Indra Ganesan
COLLEGE OF ENGINEERING
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC
IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 2

TEACHING-LEARNING AND EVALUATION

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Sl. No	Particulars Page	Page Number
1.	Anna University Academic Schedule	3
2.	College Academic Calendar	33
3.	Circular of Internal Assessment Test	72
4.	Internal Assessment Test Question Paper	77
5.	Internal Assessment Test Answer Key	100
6.	Internal Assessment Test Answer Booklet	158
7.	CO Based Mark Entry	181
8.	Circular for Retest	212
9.	Retest Question Paper Model	217
10.	Web Portal Assessment Report	227
11.	Web Portal Internal Mark Report	236
12.	External Examination-End Semester Examination Result Declared by Anna University	253
13.	Anna University Circular for Photocopy	260
14.	Anna University Circular for Revaluation	262
15.	Anna University Circular for Review	264
16.	Format for Recommendation of Revaluation by Subject Expert	266
17.	Anna University Revaluation Results	273
18.	Fees Procedure for correction in certificates	277
19.	University Exam Related Grievances Redressal	284

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Anna University Academic Schedule

Date: 30.03.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

REVISED

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

February 2023 – June 2023 (Even Semester – Except Semester II)

UG / PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised*	Existing	Revised*
1.	B.E. / B.Tech.(Full-Time)	IV,VI	06.02.2023	12.05.2023	24.05.2023***	15.05.2023	26.05.2023	26.05.2023	05.06.2023
2.	B.E. / B.Tech.(Full-Time)	VIII	06.02.2023	12.05.2023**	-	15.05.2023	-	26.05.2023	-
3.	B.Arch. (Full-Time)	IV,VI,VIII,X							
4.	B.E. / B.Tech. (Part-Time)	IV,VI							
5.	M.B.A.(Full-Time & Part-Time)	IV							
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII,X							

RE - OPENING DAY FOR THE NEXT SEMESTER: 07.08.2023 (Monday)

*** To provide additional classes for Skill Based Courses.**

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	11.02.2023	Monday
2.	18.02.2023	Tuesday
3.	25.02.2023	Wednesday
4.	04.03.2023	Thursday
5.	11.03.2023	Friday
6.	18.03.2023	Monday
7.	25.03.2023	Tuesday
8.	01.04.2023	Wednesday
9.	29.04.2023	Thursday
10	06.05.2023	Friday
11.	13.05.2023	Monday***
12.	20.05.2023	Tuesday***

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 04.05.2023

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

May 2023 – August 2023 (Even Semester)

UG (FT/PT) & PG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	10.05.2023	07.08.2023**	09.08.2023	21.08.2023
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.E. / M. Tech. / M. Arch. (FT)	IV				

RE - OPENING DAY FOR THE NEXT SEMESTER: 11.09.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	13.05.2023	Friday
2.	20.05.2023	Monday
3.	27.05.2023	Tuesday
4.	03.06.2023	Wednesday
5.	10.06.2023	Thursday
6.	17.06.2023	Friday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	24.06.2023	Monday
8.	01.07.2023	Tuesday
9.	08.07.2023	Wednesday
10.	15.07.2023	Thursday
11.	22.07.2023	Friday
12.	05.08.2023	Monday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

04/05/2023
DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 06.10.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

October 2022 – February 2023 (Odd Semester – Semester I)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.E. / M. Tech. / M. Arch.(FT)	I	10.10.2022	25.01.2023	27.01.2023	06.02.2023

RE-OPENING DAY FOR THE NEXT SEMESTER: 08.03.2023 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR i/c
ACADEMIC COURSES

DAC - SB

Date: 06.10.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

October 2022 – February 2023 (SEMESTER I)

PG (FT/PT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.B.A. (Full-Time & Part-Time)	I	10.10.2022	25.01.2023	27.01.2023	06.02.2023
2.	M.B.A. (5 Yrs-Integrated)					

RE-OPENING DAY FOR THE NEXT SEMESTER: 08.03.2023 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

DIRECTOR i/c
ACADEMIC COURSES

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DAC - SB

Date: 02.11.2022

REVISED - I

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (Semester III)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised	Existing	Revised
1.	B.E. / B.Tech. (Full-Time)	III	22.08.2022	08.12.2022	27.12.2022	10.12.2022	18.01.2023	21.12.2022	29.12.2022
2.	B.Arch. (Full-Time)	III	22.08.2022	08.12.2022	-	10.12.2022	18.01.2023	21.12.2022	29.12.2022
3.	B.E. / B.Tech (Part-Time)	III							
4.	M.B.A. (5 Yrs-Integrated)	III							
5.	M.B.A. (Full-Time & Part-Time)	III	01.09.2022	19.12.2022	-	21.12.2022	18.01.2023	02.01.2023	29.12.2022

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.02.2023 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

02/11/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 02.11.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

August 2022 – December 2022 (ODD SEMESTER – Except Semester III)

UG Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day		Commencement of Practical Examinations		Commencement of End Semester Examinations	
				Existing	Revised	Existing	Revised	Existing	Revised
1.	B.E. / B.Tech.(Full-Time)	V, VII	10.08.2022	19.11.2022	06.12.2022**	21.11.2022	18.01.2023	01.12.2022	08.12.2022
2.	B.E. / B.Tech (Part-Time)	V, VII	10.08.2022	19.11.2022	-	21.11.2022	-	01.12.2022	-
3.	B.Arch. (Full-Time)	V, VII, IX							

RE - OPENING DAY FOR THE NEXT SEMESTER: 30.01.2023 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.08.2022	Monday
2.	03.09.2022	Friday
3.	17.09.2022	Wednesday
4.	15.10.2022	Tuesday
5.	29.10.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
6.	05.11.2022	Monday
7.	12.11.2022	Tuesday
8.	19.11.2022	Wednesday
9.	26.11.2022**	Thursday
10.	03.12.2022**	Friday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

02/11/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 27.08.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

June 2022 – October 2022 (Even Semester –Semester II)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations	
						Existing	Revised
1.	M.E. / M. Tech. / M. Arch.(FT)	II	27.06.2022	30.09.2022**	06.10.2022	17.10.2022	26.10.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 16.11.2022 (Wednesday)

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	02.07.2022	Thursday
2.	16.07.2022	Tuesday
3.	30.07.2022	Friday
4.	13.08.2022	Monday
5.	27.08.2022	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
6.	03.09.2022	Wednesday
7.	10.09.2022	Thursday
8.	17.09.2022	Friday
9.	24.09.2022	Monday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

27/8/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.03.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

April 2022 – July 2022 (Semester II)

UG (FT/PT) & PG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	04.04.2022	04.07.2022**	06.07.2022	18.07.2022
2.	B.Arch. (Full-Time)	II				
3.	B.E. / B.Tech (Part-Time)	II				
4.	M.B.A. (Full-Time & Part-Time)	II				
5.	M.B.A. (5 Yrs-Integrated)	II				

RE - OPENING DAY FOR THE NEXT SEMESTER: 22.08.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.04.2022	Thursday
2.	23.04.2022	Friday
3.	30 04.2022	Tuesday
4.	07.05 2022	Monday
5.	14.05.2022	Tuesday
6.	21.05.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	28.05.2022	Thursday
8.	04.06.2022	Friday
9.	11.06.2022	Monday
10.	18.06.2022	Tuesday
11.	25.06.2022	Wednesday
12.	02.07.2022	Thursday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR i/c
ACADEMIC COURSES

DAC - SB

Date: 04.03.2022

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

March 2022 – June 2022 (Even Semester – Except Semester II)

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.03.2022	16.06.2022**	18.06.2022	28.06.2022
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				

RE - OPENING DAY FOR THE NEXT SEMESTER: 10.08.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	19.03.2022	Tuesday
2.	26.03.2022	Wednesday
3.	09.04.2022	Thursday
4.	23.04.2022	Friday
5.	30.04.2022	Tuesday
6.	07.05.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.05.2022	Tuesday
8.	21.05.2022	Wednesday
9.	28.05.2022	Thursday
10.	04.06.2022	Friday
11.	11.06.2022	Monday

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

04/03/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 16.02.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

April 2022 – July 2022 (Even Semester – Except Semester II)

PG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.E. / M.Tech./ M.Arch.(FT)	IV	04.04.2022	04.07.2022**	06.07.2022	18.07.2022
2.	M.C.A. (Full-Time)	IV,VI				
3.	M.B.A. (FT)	IV				
4.	M.Sc. (5 Yrs-Integrated)	IV,VI,VIII,X				
5.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII,X				

RE - OPENING DAY FOR THE NEXT SEMESTER: 22.08.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.04.2022	Thursday
2.	23.04.2022	Friday
3.	30.04.2022	Tuesday
4.	07.05.2022	Monday
5.	14.05.2022	Tuesday
6.	21.05.2022	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	28.05.2022	Thursday
8.	04.06.2022	Friday
9.	11.06.2022	Monday
10.	18.06.2022	Tuesday
11.	25.06.2022	Wednesday
12.	02.07.2022	Thursday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
I.G. Valley, Madurai Main Road,
Manikandam, Trichy-620 012.

16/02/2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 20.01.2022

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

February 2022 – May 2022 (Odd Semester – Semester I)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.E. / M. Tech. / M. Arch.(FT)	I	07.02.2022	14.05.2022**	16.05.2022	26.05.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 27.06.2022 (Monday)

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	12.02.2022	Thursday
2.	26.02.2022	Friday
3.	12.03.2022	Tuesday
4.	26.03.2022	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	09.04.2022	Tuesday
6.	23.04.2022	Wednesday
7.	07.05.2022	Thursday
8.	14.05.2022	Friday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

20.1.2022

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 10.11.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 – March 2022 (SEMESTER I)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.B.A.	I	15.11.2021	01.03.2022	03.03.2022	14.03.2022
2.	M.B.A. (5 Yrs-Integrated)	I				

RE-OPENING DAY FOR THE NEXT SEMESTER: 06.04.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 25.10.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON-AUTONOMOUS AFFILIATED COLLEGES

November 2021 – March 2022 (SEMESTER I)

UG (FT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	08.11.2021	22.11.2021	08.03.2022	10.03.2022	21.03.2022

RE-OPENING DAY FOR THE NEXT SEMESTER: 18.04.2022 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.09.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

September 2021 – December 2021 (ODD SEMESTER – III Semester)

PG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.B.A.(FT)	III	27.09.2021	31.12.2021**	03.01.2022	19.01.2022
2.	M.B.A. (5 Yrs-Integrated)	III				
3.	M.E. / M. Tech. / M. Arch.(FT)	III				

RE-OPENING DAY FOR THE NEXT SEMESTER: 14.02.2022 (Monday)

- Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	09.10.2021	Thursday
2.	23.10.2021	Friday
3.	30.10.2021	Tuesday
4.	06.11.2021	Thursday
5.	13.11.2021	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
6.	20.11.2021	Tuesday
7.	27.11.2021	Wednesday
8.	04.12.2021	Thursday
9.	11.12.2021	Friday
10.	18.12.2021	Monday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 27.07.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2021 – December 2021 (ODD SEMESTER)*

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	III, V, VII	18.08.2021	30.11.2021**	02.12.2021	13.12.2021
2.	B.E. / B.Tech (Part-Time)	III, V, VII				
3.	B.Arch. (Full-Time)	III, V, VII, IX				
4.	M.C.A. (Full-Time)	V				
5.	M.Sc (5 Yrs-Integrated)	V, VII, IX				
6.	M.B.A. (5 Yrs-Integrated)	V, VII, IX				

*** As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode**

RE - OPENING DAY FOR THE NEXT SEMESTER: 19.01.2022 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 7 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	28.08.2021	Friday
2.	11.09.2021	Monday
3.	25.09.2021	Friday
4.	09.10.2021	Thursday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	23.10.2021	Friday
6.	06.11.2021	Tuesday
7.	20.11.2021	Thursday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

27.07.2021

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 31.03.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

April 2021 – July 2021 (EVEN SEMESTER – II Semester)*

UG (FT/PT) Degree Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	08.04.2021	08.07.2021**	10.07.2021	22.07.2021
2.	B.Arch. (Full-Time)	II				
3.	B.E./ B.Tech. (Part Time)	II				

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE-OPENING DAY FOR THE NEXT SEMESTER: 16.08.2021 (MONDAY)

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays for UG (FT/PT))	Time Table of the Week Day to be Followed
1.	10.04.2021	Thursday
2.	17.04.2021	Friday
3.	24.04.2021	Monday
4.	08.05.2021	Tuesday
5.	15.05.2021	Wednesday
6.	22.05.2021	Thursday

Sl. No.	Working Days (Saturdays for UG (FT/PT))	Time Table of the Week Day to be Followed
7.	29.05.2021	Friday
8.	05.06.2021	Monday
9.	12.06.2021	Tuesday
10.	19.06.2021	Wednesday
11.	26.06 2021	Thursday
12.	03.07.2021	Friday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

31.3.2021
DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.01.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

February 2021 – June 2021 (Even Semester – Except II & Final Semester)*

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full-Time)	IV,VI	18.02.2021	21.05.2021**	24.05.2021	02.06.2021
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII				
4.	M.C.A. (Full-Time)	IV				
5.	M.Sc. (5 Yrs-Integrated)	IV,VI,VIII				
6.	M.B.A. (5 Yrs-Integrated)	IV,VI,VIII				

*** As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode**

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.07.2021 (Thursday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 12 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.02.2021	Friday
2.	27.02.2021	Tuesday
3.	06.03.2021	Wednesday
4.	13.03.2021	Friday
5.	20.03.2021	Monday
6.	27.03.2021	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	03.04.2021	Wednesday
8.	10.04.2021	Thursday
9.	17.04.2021	Friday
10.	24.04.2021	Monday
11.	08.05.2021	Tuesday
12.	15.05.2021	Wednesday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

21.1.2021

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 21.01.2021

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

December 2020 – May 2021 (Even Semester – Final Semester*)

UG & PG Programmes

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	VIII	14.12.2020	12.04.2021**	15.04.2021	26.04.2021
2.	B.Arch. (Full-Time)	X				
3.	M.E. / M.Tech./ M.Arch.(FT)	IV				
4.	M.C.A. (Full-Time)	VI				
5.	M.B.A. (FT)	IV				
6.	M.Sc. (5 Yrs-Integrated)	X				
7.	M.B.A. (5 Yrs-Integrated)	X				

*** Odd Semester - End Semester Examinations Holidays from 01.02.2021 to 17.02.2021.**

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 8 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	20.02.2021	Friday
2.	27.02.2021	Tuesday
3.	06.03.2021	Wednesday
4.	13.03.2021	Friday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
5.	20.03.2021	Monday
6.	27.03.2021	Tuesday
7.	03.04.2021	Wednesday
8.	10.04.2021	Thursday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

21.1.2021

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date : 13.11.2020

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

November 2020 – December 2020 (ODD SEMESTER)

UG - Lateral Entry only

Sl. No.	Programme	Commencement of Classes	Last working day	Commencement of End Semester Examinations
1.	All UG (Lateral Entry) Programmes	16.11.2020	16.12.2020**	21.12.2020

RE - OPENING DAY FOR THE NEXT SEMESTER: 04.01.2021 (Monday)

NOTE:

1. The Theory Examination schedule will be published in due course by the Controller of Examinations, Anna University, Chennai and the same should be followed.
2. Assessments shall be conducted during November 2020 – December 2020.

**** In order to ensure minimum no. of working days, the all Saturdays and Sundays are declared as working days.**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR i/c
CENTRE FOR ACADEMIC COURSES

DAC - SB

Date: 21.11.2020

REVISED

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

November 2020 – March 2021 (ODD SEMESTER – I Semester)*

UG (FT) Degree Programmes

Sl. No	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (Full Time)	I	09.11.2020	23.11.2020	24.02.2021**	26.02.2021	08.03.2021
2.	B. Arch. (Full Time)	I	23.11.2020	30.11.2020	03.03.2021***	05.03.2021	15.03.2021

* As per the directives of the Government of Tamil Nadu, the classes will be conducted in ONLINE mode

RE-OPENING DAY FOR THE NEXT SEMESTER: 05.04.2021 (Monday)

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays for UG (FT))	Time Table of the Week Day to be Followed
1.	28.11.2020	Monday
2.	05.12.2020	Tuesday
3.	12.12.2020	Wednesday
4.	19.12.2020	Thursday
5.	26.12.2020	Friday
6.	02.01.2021	Friday

Sl. No.	Working Days (Saturdays for UG (FT))	Time Table of the Week Day to be Followed
7.	09.01.2021	Thursday
8.	23.01.2021	Friday
9.	30.01.2021	Tuesday
10.	06.02.2021	Monday
11.	13.02.2021	Tuesday
12.	20.02.2021	Wednesday
13	27.02.2021***	Thursday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

21.11.2020

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date : 06.08.2020

CENTRE FOR ACADEMIC COURSES

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE FOR NON AUTONOMOUS AFFILIATED COLLEGES

August 2020 – November 2020 (ODD SEMESTER – Except I Semester)

UG & PG Programmes

Sl. No.	Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	All UG/PG Programmes (except I Semester)	12.08.2020	26.10.2020**	28.10.2020	09.11.2020
2.	B.E. / B. Tech.(Part-Time) – III, V , VII				

RE - OPENING DAY FOR THE NEXT SEMESTER: 14.12.2020 (Monday)

NOTE:

1. The Theory and Practical Examination schedules which will be published in due course by the Controller of Examinations, Anna University, Chennai should be followed. (Practical Examinations will be conducted before the theory examinations).
2. Assessment Schedule for the August 2020 – November 2020 should be followed strictly.
3. Saturdays included in the Assessment period shall be used for conducting the Assessment Tests.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays for UG & PG)	Time Table of the Week Day to be Followed
1.	05.09.2020	Tuesday
2.	12.09.2020	Friday
3.	19.09.2020	Monday
4.	26.09.2020	Tuesday

Sl. No.	Working Days (Saturdays for UG & PG)	Time Table of the Week Day to be Followed
5.	03.10.2020	Wednesday
6	10.10.2020	Thursday
7.	17.10.2020	Friday
8.	24.10.2020	Monday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 02.01.2020

REVISED

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE

for the

January 2020 – May 2020 (Even Semester – II Semester) Session of the

ACADEMIC YEAR 2019 – 2020

UG Degree Programmes offered in **Affiliated Engineering Colleges**

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	II	20.01.2020	24.04.2020**	27.04.2020	11.05.2020
2.	B.Arch. (Full-Time)	II				
3.	B.E./ B.Tech. (Part Time)	II				

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.07.2020 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 9 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	25.01.2020	Wednesday
2.	01.02.2020	Wednesday
3.	15.02.2020	Thursday
4.	29.02.2020	Friday
5.	07.03.2020	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
6.	21.03.2020	Monday
7.	28.03.2020	Friday
8.	04.04.2020	Tuesday
9.	18.04.2020	Monday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

02012020

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 03.12.2019

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE

ACADEMIC YEAR 2019 – 2020

December 2019 – May 2020 Session (EVEN SEMESTER – Except II Semester)

UG & PG Degree Programmes offered in **Affiliated Engineering Colleges**

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	16.12.2019	27.03.2020**	30.03.2020	17.04.2020
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				
4.	M.E. / M.Tech./ M.Arch.(FT)	IV				
5.	M.C.A. (Full-Time)	IV,VI				
6.	M.B.A. (FT)	IV				
7.	M. Sc (5 Yrs-Integrated)	IV,VI,VIII,X				
8.	M.B.A (5 Yrs-Integrated)	IV,VI,VIII				

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.07.2020 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

** In order to ensure minimum no. of working days, the following 6 Saturdays are declared as working days.

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	25.01.2020	Wednesday
2.	01.02.2020	Wednesday
3.	15.02.2020	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
4.	29.02.2020	Thursday
5.	07.03.2020	Friday
6.	21.03.2020	Wednesday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

03/12/19

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 14.01.2020

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE

for the

January 2020 – May 2020 (Even Semester – II Semester) Session of the

ACADEMIC YEAR 2019 – 2020

PG Degree Programmes offered in **Affiliated Engineering Colleges**

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	M.E. / M.Tech./ M.Arch.(FT)	II	29.01.2020	29.04.2020**	30.04.2020	08.05.2020
2.	M.C.A. (Full-Time)	II				
3.	M.B.A. (Full-Time)	II				
4.	M.B.A. (5 Yrs-Integrated)	II				

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.07.2020 (Wednesday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 13 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	01.02.2020	Wednesday
2.	08.02.2020	Monday
3.	15.02.2020	Friday
4.	22.02.2020	Tuesday
5.	29.02.2020	Monday
6.	07.03.2020	Tuesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	14.03.2020	Wednesday
8.	21.03.2020	Thursday
9.	28.03.2020	Friday
10.	04.04.2020	Monday
11.	11.04.2020	Tuesday
12.	18.04.2020	Wednesday
13.	25.04.2020	Thursday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

14/01/2020

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 27.08.2019

ANNA UNIVERSITY, CHENNAI

ACADEMIC SCHEDULE

for the

September 2019 – December 2019 ODD SEMESTER ACADEMIC SESSION OF THE

ACADEMIC YEAR 2019 – 2020

I SEMESTER

PG (FT) Degree Programmes offered at Affiliated Engineering Colleges

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of End Semester Examinations
1.	M.B.A./ M.C.A (FT)	I	12.09.2019	14.12.2019**	16.12.2019
2.	M.E. / M. Tech. / M. Arch.(FT)	I			

RE-OPENING DAY FOR THE NEXT SEMESTER: 29.01.2020 (Wednesday)

NOTE:

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted after the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 11 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	14.09.2019	Wednesday
2.	21.09.2019	Monday
3.	28.09.2019	Tuesday
4.	12.10.2019	Monday
5.	26.10.2019	Tuesday
6.	02.11.2019	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	16.11.2019	Thursday
8.	23.11.2019	Friday
9.	30.11.2019	Monday
10.	07.12.2019	Tuesday
11.	14.12.2019	Wednesday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 05.08.2019

ANNA UNIVERSITY, CHENNAI

ACADEMIC SCHEDULE

for the

August 2019 – December 2019 ODD SEMESTER ACADEMIC SESSION OF THE

ACADEMIC YEAR 2019 – 2020

I SEMESTER

UG (FT) Degree Programmes offered at Affiliated Engineering Colleges

Sl. No.	Programme	Semester	Commencement of Induction Programme	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech. (FT)	I	05.08.2019	14.08.2019	20.11.2019**	22.11.2019	10.12.2019

RE-OPENING DAY FOR THE NEXT SEMESTER: 06.01.2020 (Monday)

NOTE:

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	10.08.2019	Monday
2.	31.08.2019	Thursday
3.	07.09.2019	Friday
4.	14.09.2019	Monday
5.	21.09.2019	Tuesday
6.	28.09.2019	Wednesday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	05.10.2019	Monday
8.	12.10.2019	Tuesday
9.	19.10.2019	Monday
10.	26.10.2019	Tuesday
11.	02.11.2019	Wednesday
12.	09.11.2019	Thursday
13.	16.11.2019	Friday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 06.06.2019

ANNA UNIVERSITY, CHENNAI

ACADEMIC SCHEDULE

for the

July 2019 – December 2019 ODD SEMESTER ACADEMIC SESSION OF THE

ACADEMIC YEAR 2019 – 2020

UG & PG (Full-Time) Degree Programmes offered at Affiliated Engineering Colleges

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B. Tech.(Full-Time)	III, V, VII	01.07.2019	19.10.2019**	21.10.2019	06.11.2019
2.	B.E. / B. Tech.(Part-Time)	III, V, VII				
3.	B. Arch.(Full-Time)	III, V, VII, IX				
4.	M.E. / M. Tech./ M. Arch. (FT)	III				
5.	M.C.A. (Full-Time)	III, V				
6.	M.B.A. (Full-Time)	III				
7.	M.Sc.(5 Yrs - Integrated)	III, V, VII, IX				
8.	M.B.A.(5 Yrs – Integrated)	III, V, VII				

RE-OPENING DAY FOR THE NEXT SEMESTER: 16.12.2019 (Monday)

NOTE:

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 3 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	03.08.2019	Monday
2.	07.09.2019	Tuesday
3.	19.10.2019	Wednesday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 13.06.2018

ANNA UNIVERSITY, CHENNAI

ACADEMIC SCHEDULE

for the

July 2018 – December 2018 ODD SEMESTER ACADEMIC SESSION OF THE

ACADEMIC YEAR 2018 – 2019

UG & PG (Full-Time) Degree Programmes offered at Affiliated Engineering Colleges

Sl. No	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B. Tech (Full-Time)	III, V, VII	02.07.2018	17.10.2018**	22.10.2018	01.11.2018
2.	B.E. / B. Tech.(Part-Time)	III, V, VII				
3.	B. Arch.(Full-Time)	III, V. VII, IX				
4.	M.E. / M. Tech./ M. Arch. (FT)	III				
5.	M.C.A. (Full-Time)	III, V				
6.	M.B.A. (Full-Time)	III				
7.	M.Sc.(5 Yrs - Integrated)	III, V, VII, IX				
8.	M.B.A.(5 Yrs – Integrated)	III, V				

RE-OPENING DAY FOR THE NEXT SEMESTER: 17.12.2018 (Monday)

**** - In order to ensure minimum no. of working days any 1 Saturday should also be declared as working day**

NOTE:

1. Theory and Practical Examination schedules will be published in due course. (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Date: 28.11.2018

ANNA UNIVERSITY: : CHENNAI – 600 025

ACADEMIC SCHEDULE

ACADEMIC YEAR 2018 – 2019

December 2018 – May 2019 Session (EVEN SEMESTER – Except II Semester)

UG & PG Degree Programmes offered in **Affiliated Engineering Colleges**

Sl. No.	Programme	Semester	Commencement of Classes	Last working day	Commencement of Practical Examinations	Commencement of End Semester Examinations
1.	B.E. / B.Tech.(Full-Time)	IV,VI,VIII	19.12.2018	22.03.2019**	25.03.2019	08.04.2019
2.	B.E. / B.Tech (Part-Time)	IV,VI				
3.	B.Arch. (Full-Time)	IV,VI,VIII,X				
4.	M.E. / M.Tech./ M.Arch.(FT)	IV				
5.	M.C.A. (Full-Time)	IV,VI				
6.	M.B.A. (FT)	IV				
7.	M.Sc (5 Yrs-Integrated)	IV,VI,VIII,X				
8.	M.B.A. (5 Yrs-Integrated)	IV,VI				

RE - OPENING DAY FOR THE NEXT SEMESTER: 01.07.2019 (Monday)

NOTE:

1. The Theory and Practical Examination schedules will be published in due course (Practical Examinations will be conducted before the theory examinations).
2. If necessary, loss of classes due to various curricular / co-curricular activities of the department / college may be compensated by conducting classes on Saturdays.

**** In order to ensure minimum no. of working days, the following 12 Saturdays are declared as working days.**

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
1.	22.12.2018	Tuesday
2.	29.12.2018	Tuesday
3.	05.01.2019	Tuesday
4.	12.01.2019	Wednesday
5.	19.01.2019	Thursday
6.	02.02.2019	Monday

Sl. No.	Working Days (Saturdays)	Time Table of the Week Day to be Followed
7.	09.02.2019	Tuesday
8.	16.02.2019	Wednesday
9.	23.02.2019	Thursday
10.	02.03.2019	Friday
11.	09.03.2019	Monday
12.	16.03.2019	Tuesday

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

DIRECTOR
ACADEMIC COURSES

DAC - SB

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

College Academic Calendar

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2018-19- ODD SEMESTER

Date	Day	Jul-18	Otr*	I YR	Remarks	Date	Day	Aug-18	Otr*	I YR	Remarks
01.07.2018	Sunday					01.08.2018	Wednesday	COMPLETION OF II UNIT	D23	D1	REOPEN:I SEM (UG&PG)
02.07.2018	Monday	REOPEN:III,V&VII SEM	D1		HOD'S MEETING	02.08.2018	Thursday	**UNIT TEST -II**	D24	D2	
03.07.2018	Tuesday		D2			03.08.2018	Friday	**UNIT TEST -II**	D25	D3	
04.07.2018	Wednesday		D3			04.08.2018	Saturday				
05.07.2018	Thursday		D4			05.08.2018	Sunday				
06.07.2018	Friday		D5			06.08.2018	Monday	**UNIT TEST -II**	D26	D4	HOD'S MEETING
07.07.2018	Saturday					07.08.2018	Tuesday		D27	D5	
08.07.2018	Sunday					08.08.2018	Wednesday		D28	D6	
09.07.2018	Monday		D6		HOD'S MEETING	09.08.2018	Thursday		D29	D7	
10.07.2018	Tuesday		D7			10.08.2018	Friday		D30	D8	
11.07.2018	Wednesday		D8			11.08.2018	Saturday				
12.07.2018	Thursday		D9			12.08.2018	Sunday				
13.07.2018	Friday	COMPLETION OF I UNIT	D10			13.08.2018	Monday		D31	D9	HOD'S MEETING
14.07.2018	Saturday					14.08.2018	Tuesday		D32	D10	COMPLETION OF I UNIT
15.07.2018	Sunday					15.08.2018	Wednesday	INDEPENDENCE DAY			
16.07.2018	Monday	**UNIT TEST -I**	D11		HOD'S MEETING	16.08.2018	Thursday		D33	D11	**UNIT TEST -I**
17.07.2018	Tuesday	**UNIT TEST -I**	D12			17.08.2018	Friday		D34	D12	**UNIT TEST -I**
18.07.2018	Wednesday	**UNIT TEST -I**	D13			18.08.2018	Saturday				
19.07.2018	Thursday		D14			19.08.2018	Sunday				
20.07.2018	Friday		D15			20.08.2018	Monday		D35	D13	**UNIT TEST -I**
21.07.2018	Saturday					21.08.2018	Tuesday	COMPLETION OF III UNIT	D36	D14	
22.07.2018	Sunday					22.08.2018	Wednesday		D37	D15	BAHRID
23.07.2018	Monday		D16		HOD'S MEETING	23.08.2018	Thursday	MODEL I	D38	D16	
24.07.2018	Tuesday		D17			24.08.2018	Friday	MODEL I	D39	D17	
25.07.2018	Wednesday		D18			25.08.2018	Saturday				
26.07.2018	Thursday		D19			26.08.2018	Sunday				
27.07.2018	Friday		D20			27.08.2018	Monday	MODEL I	D40	D18	HOD'S MEETING
28.07.2018	Saturday					28.08.2018	Tuesday	MODEL I	D41	D19	
29.07.2018	Sunday					29.08.2018	Wednesday	MODEL I	D42	D20	
30.07.2018	Monday		D21		HOD'S MEETING	30.08.2018	Thursday	MODEL I	D43	D21	
31.07.2018	Tuesday		D22			31.08.2018	Friday		D44	D22	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
16 Valley, Madurai Main Road
Manikandam, Trichy-620 012.

EXAMCELL COORDINATOR

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2018-19- ODD SEMESTER

Date	Day	Sep-18	Otr*	I YR	Remarks
01.09.2018	Saturday				**COMPLETION OF II UNIT**
02.09.2018	Sunday	KRISHNA JAYANTHI			
03.09.2018	Monday	HOD'S MEETING	D45	D23	**UNIT TEST -II**
04.09.2018	Tuesday		D46	D24	**UNIT TEST -II**
05.09.2018	Wednesday		D47	D25	**UNIT TEST -II**
06.09.2018	Thursday		D48	D26	
07.09.2018	Friday		D49	D27	
08.09.2018	Saturday				
09.09.2018	Sunday				
10.09.2018	Monday		D50	D28	HOD'S MEETING
11.09.2018	Tuesday	**COMPLETION OF IV UNIT**	D51	D29	
12.09.2018	Wednesday		D52	D30	
13.09.2018	Thursday	**VINAYAGAR CHADURTHI**			
14.09.2018	Friday	**UNIT TEST -IV**	D53	D31	
15.09.2018	Saturday	**ENGINEER'S DAY**			
16.09.2018	Sunday				
17.09.2018	Monday	**UNIT TEST -IV**	D54	D32	HOD'S MEETING
18.09.2018	Tuesday	**UNIT TEST -IV**	D55	D33	
19.09.2018	Wednesday		D56	D34	
20.09.2018	Thursday		D57	D35	**COMPLETION OF III UNIT**
21.09.2018	Friday	**MUHHARAM**	D58	D36	MODEL I
22.09.2018	Saturday				
23.09.2018	Sunday				
24.09.2018	Monday	HOD'S MEETING	D59	D37	MODEL I
25.09.2018	Tuesday		D60	D38	MODEL I
26.09.2018	Wednesday		D61	D39	MODEL I
27.09.2018	Thursday		D62	D40	MODEL I
28.09.2018	Friday		D63	D41	MODEL I
29.09.2018	Saturday				
30.09.2018	Sunday				

Date	Day	Oct-18	Otr*	I YR	Remarks
01.10.2018	Monday	COMPLETION OF V UNIT	D64	D42	HOD'S MEETING
02.10.2018	Tuesday	**GANTHI JAYANTHI**			
03.10.2018	Wednesday	*Revision subject 1/MODEL II*	D65	D43	
04.10.2018	Thursday	*Revision subject 1/MODEL II*	D66	D44	
05.10.2018	Friday	*Revision subject 2/MODEL II*	D67	D45	
06.10.2018	Saturday	*Revision subject 2/MODEL II*			
07.10.2018	Sunday				
08.10.2018	Monday	*Revision subject 3/MODEL II*	D68	D46	HOD'S MEETING
09.10.2018	Tuesday	*Revision subject 3/MODEL II*	D69	D47	
10.10.2018	Wednesday	*Revision subject 4/MODEL II*	D70	D48	
11.10.2018	Thursday	*Revision subject 4/MODEL II*	D71	D49	
12.10.2018	Friday	*Revision subject 5MODEL II*	D72	D50	
13.10.2018	Saturday	*Revision subject 5/MODEL II*			
14.10.2018	Sunday				
15.10.2018	Monday	*Revision subject 6/MODEL II*	D73	D51	**COMPLETION OF IV UNIT**
16.10.2018	Tuesday	*Revision subject 6/MODEL II*	D74	D52	
17.10.2018	Wednesday		D75	D53	
18.10.2018	Thursday	*AYUTHA POOJA*			
19.10.2018	Friday	*VIJAYADASAMI*			
20.10.2018	Saturday				
21.10.2018	Sunday				
22.10.2018	Monday	*Practical Exam starts*	D76	D54	**UNIT TEST -IV**
23.10.2018	Tuesday		D77	D55	**UNIT TEST -IV**
24.10.2018	Wednesday		D78	D56	**UNIT TEST -IV**
25.10.2018	Thursday		D79	D57	
26.10.2018	Friday		D80	D58	
27.10.2018	Saturday				
28.10.2018	Sunday				
29.10.2018	Monday		D81	D59	HOD'S MEETING
30.10.2018	Tuesday		D82	D60	
31.10.2018	Wednesday		D83	D61	

EXAMCELL COORDINATOR

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2018-19- ODD SEMESTER

Date	Day	Nov-18	Otr*	I YR	Remarks	Date	Day	Dec-18	Otr*	I YR	Remarks
01.11.2018	Thursday	*Theory Exam Starts*		D62		01.12.2018	Saturday				
02.11.2018	Friday			D63							
03.11.2018	Saturday			D64	COMPLETION OF V UNIT	03.12.2018	Monday	HOD'S MEETING			
						04.12.2018	Tuesday			D92	
05.11.2018	Monday	HOD'S MEETING				05.12.2018	Wednesday			D93	
06.11.2018	Tuesday	DEEPAVALI				06.12.2018	Thursday			D94	
07.11.2018	Wednesday					07.12.2018	Friday			D95	
08.11.2018	Thursday			D65	*Revision subject 1/MODEL II*	08.12.2018	Saturday			D96	
09.11.2018	Friday			D66	*Revision subject 1/MODEL II*						
10.11.2018	Saturday			D67	*Revision subject 2/MODEL II*	10.12.2018	Monday	HOD'S MEETING			
						11.12.2018	Tuesday			D98	
12.11.2018	Monday	HOD'S MEETING		D68	*Revision subject 2/MODEL II*	12.12.2018	Wednesday			D99	
13.11.2018	Tuesday			D69	*Revision subject 3/MODEL II*	13.12.2018	Thursday			D100	
14.11.2018	Wednesday			D70	*Revision subject 3/MODEL II*	14.12.2018	Friday			D101	
15.11.2018	Thursday			D71	*Revision subject 4/MODEL II*	15.12.2018	Saturday			D102	
16.11.2018	Friday			D72	*Revision subject 4/MODEL II*						
17.11.2018	Saturday					17.12.2018	Monday	HOD'S MEETING			
						18.12.2018	Tuesday			D104	
19.11.2018	Monday	HOD'S MEETING		D73	*Revision subject 5/MODEL II*	19.12.2018	Wednesday			D105	
20.11.2018	Tuesday			D74	*Revision subject 5/MODEL II*	20.12.2018	Thursday			D106	
21.11.2018	Wednesday	MILAD-UN- NABI		D75	*Revision subject 6/MODEL II*	21.12.2018	Friday			D107	
22.11.2018	Thursday			D76	*Revision subject 6/MODEL II*	22.12.2018	Saturday			D108	
23.11.2018	Friday			D77							
24.11.2018	Saturday					24.12.2018	Monday	HOD'S MEETING			
						25.12.2018	Tuesday	CHRISTMAS		D110	
26.11.2018	Monday	HOD'S MEETING		D78		26.12.2018	Wednesday			D111	
27.11.2018	Tuesday			D79		27.12.2018	Thursday			D112	
28.11.2018	Wednesday			D80		28.12.2018	Friday			D113	
29.11.2018	Thursday			D81		29.12.2018	Saturday			D114	
30.11.2018	Friday			D82							
						31.12.2018	Monday				

EXAMCELL COORDINATOR

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2018-19- EVEN SEMESTER

Date	Day	Dec-18	Qtr*	I YR	Remarks	Date	Day	Jan-19	Qtr*	I YR	Remarks
01.12.2018	Saturday					01.01.2019	Tuesday	NEW YEAR			
02.12.2018	Sunday					02.01.2019	Wednesday	**UNIT TEST -I**	D13		
03.12.2018	Monday	HOD'S MEETING				03.01.2019	Thursday	**UNIT TEST -I**	D14		
04.12.2018	Tuesday					04.01.2019	Friday		D15		
05.12.2018	Wednesday					05.01.2019	Saturday	***Tuesday order***	D16		
06.12.2018	Thursday					06.01.2019	Sunday				
07.12.2018	Friday					07.01.2019	Monday	HOD'S MEETING	D17		
08.12.2018	Saturday					08.01.2019	Tuesday		D18		
09.12.2018	Sunday					09.01.2019	Wednesday		D19		
10.12.2018	Monday	HOD'S MEETING				10.01.2019	Thursday		D20		
11.12.2018	Tuesday					11.01.2019	Friday		D21		
12.12.2018	Wednesday					12.01.2019	Saturday	***Wednesday order***	D22		
13.12.2018	Thursday					13.01.2019	Sunday				
14.12.2018	Friday					14.01.2019	Monday	**PONGAL HOLIDAY**			
15.12.2018	Saturday					15.01.2019	Tuesday	**PONGAL HOLIDAY**			
16.12.2018	Sunday					16.01.2019	Wednesday	**PONGAL HOLIDAY**			
17.12.2018	Monday	REOPEN:IV,VI&VIII SEM	D1		HOD'S MEETING	17.01.2019	Thursday	**PONGAL HOLIDAY**			
18.12.2018	Tuesday		D2			18.01.2019	Friday		D23	D1	REOPEN II SEM
19.12.2018	Wednesday		D3			19.01.2019	Saturday	**Thursday order**	D24	D2	
20.12.2018	Thursday		D4			20.01.2019	Sunday				
21.12.2018	Friday		D5			21.01.2019	Monday	HOD'S MEETING	D25	D3	
22.12.2018	Saturday	***Tuesday order***	D6			22.01.2019	Tuesday	COMPLETION OF II UNIT	D26	D4	
23.12.2018	Sunday					23.01.2019	Wednesday	**UNIT TEST -II**	D27	D5	
24.12.2018	Monday	HOD'S MEETING	D7			24.01.2019	Thursday	**UNIT TEST -II**	D28	D6	
25.12.2018	Tuesday	CHRISTMAS				25.01.2019	Friday	**UNIT TEST -II**	D29	D7	
26.12.2018	Wednesday		D8			26.01.2019	Saturday	REPUBLIC DAY			
27.12.2018	Thursday		D9			27.01.2019	Sunday				
28.12.2018	Friday		D10			28.01.2019	Monday	HOD'S MEETING	D30	D8	
29.12.2018	Saturday	COMPLETION OF I UNIT	D11		***Tuesday order***	29.01.2019	Tuesday		D31	D9	
30.12.2018	Sunday					30.01.2019	Wednesday		D32	D10	
31.12.2018	Monday	**UNIT TEST -I**	D12		HOD'S MEETING	31.01.2019	Thursday		D33	D11	COMPLETION OF I UNIT

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

EXAMCELL COORDINATOR

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2018-19- EVEN SEMESTER

Date	Day	Feb-19	Otr*	I YR	Remarks	Date	Day	Mar-19	Otr*	I YR	Remarks
01.02.2019	Friday		D34	D12	**UNIT TEST -I**	01.03.2019	Friday		D58	D36	
02.02.2019	Saturday	***Monday order***	D35	D13	**UNIT TEST -I**	02.03.2019	Saturday	COMPLETION OF IV UNIT	D59	D37	**Friday order**
03.02.2019	Sunday					03.03.2019	Sunday				
04.02.2019	Monday	HOD'S MEETING	D36	D14	**UNIT TEST -I**	04.03.2019	Monday	**UNIT TEST -IV**	D60	D38	HOD'S MEETING
05.02.2019	Tuesday		D37	D15		05.03.2019	Tuesday	**UNIT TEST -IV**	D61	D39	
06.02.2019	Wednesday		D38	D16		06.03.2019	Wednesday	**UNIT TEST -IV**	D62	D40	
07.02.2019	Thursday		D39	D17		07.03.2019	Thursday		D63	D41	
08.02.2019	Friday	COMPLETION OF III UNIT	D40	D18		08.03.2019	Friday		D64	D42	**COMPLETION OF III UNIT**
09.02.2019	Saturday	**Tuesday order**	D41	D19	**FDP-RM 2019**	09.03.2019	Saturday	**Monday order**	D65	D43	
10.02.2019	Sunday					10.03.2019	Sunday				
11.02.2019	Monday	**MODEL I**	D42	D20	**HOD'S MEETING**	11.03.2019	Monday	**HOD'S MEETING**	D66	D44	**MODEL I**
12.02.2019	Tuesday	**MODEL I**	D43	D21		12.03.2019	Tuesday		D67	D45	**MODEL I**
13.02.2019	Wednesday	**MODEL I**	D44	D22		13.03.2019	Wednesday		D68	D46	**MODEL I**
14.02.2019	Thursday	MODEL I	D45	D23		14.03.2019	Thursday		D69	D47	**MODEL I**
15.02.2019	Friday	MODEL I	D46	D24		15.03.2019	Friday		D70	D48	**MODEL I**
16.02.2019	Saturday	MODEL I	D47	D25	**Wednesday order**	16.03.2019	Saturday	**Tuesday order**	D71	D49	**MODEL I**
17.02.2019	Sunday					17.03.2019	Sunday				
18.02.2019	Monday		D48	D26	**HOD'S MEETING**	18.03.2019	Monday	COMPLETION OF V UNIT	D72	D50	HOD'S MEETING
19.02.2019	Tuesday		D49	D27	**COMPLETION OF II UNIT**	19.03.2019	Tuesday	***Revision subject 1/MODEL II***	D73	D51	
20.02.2019	Wednesday		D50	D28	**UNIT TEST -II**	20.03.2019	Wednesday	***Revision subject 1/MODEL II***	D74	D52	
21.02.2019	Thursday		D51	D29	**UNIT TEST -II**	21.03.2019	Thursday	***Revision subject 2/MODEL II***	D75	D53	
22.02.2019	Friday		D52	D30	**UNIT TEST -II**	22.03.2019	Friday	***Revision subject 2/MODEL II***	D76	D54	
23.02.2019	Saturday	Thursday order	D53	D31	***IGNITE '19***	23.03.2019	Saturday	**Practical Exam Starts**	D77	D55	
24.02.2019	Sunday					24.03.2019	Sunday				
25.02.2019	Monday	HOD'S MEETING	D54	D32		25.03.2019	Monday		D78	D56	HOD'S MEETING
26.02.2019	Tuesday		D55	D33		26.03.2019	Tuesday		D79	D57	
27.02.2019	Wednesday		D56	D34		27.03.2019	Wednesday	***Revision subject 3/MODEL II***	D80	D58	
28.02.2019	Thursday		D57	D35		28.03.2019	Thursday	***Revision subject 3/MODEL II***	D81	D59	
						29.03.2019	Friday	***Revision subject 4/MODEL II***	D82	D60	**COMPLETION OF IV UNIT**
						30.03.2019	Saturday	***Revision subject 4/MODEL II***	D83	D61	
						31.03.2019	Sunday				

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

EXAMCELL COORDINATOR

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2018-19- EVEN SEMESTER

Date	Day	Apr-19	Otr*	I YR	Remarks	Date	Day	May-19	Otr*	I YR	Remarks
01.04.2019	Monday	*Revision subject 5/MODELII*	D84	D62	**UNIT TEST -IV**	01.05.2019	Wednesday	MAY DAY	D110	D88	*Revision subject 5/MODELII*
02.04.2019	Tuesday	*Revision subject 5/MODELII*	D85	D63	**UNIT TEST -IV**	02.05.2019	Thursday		D111	D89	*Revision subject 6/MODELII*
03.04.2019	Wednesday	*Revision subject 6/MODELII*	D86	D64	**UNIT TEST -IV**	03.05.2019	Friday		D112	D90	*Revision subject 6/MODELII*
04.04.2019	Thursday	*Revision subject 6/MODELII*	D87	D65		04.05.2019	Saturday		D113	D91	
05.04.2019	Friday		D88	D66		05.05.2019	Sunday				
06.04.2019	Saturday		D89	D67		06.05.2019	Monday	HOD'S MEETING	D114	D92	
07.04.2019	Sunday					07.05.2019	Tuesday		D115	D93	
08.04.2019	Monday	**Theory Exams Starts**	D90	D68	HOD'S MEETING	08.05.2019	Wednesday		D116	D94	
09.04.2019	Tuesday		D91	D69		09.05.2019	Thursday		D117	D95	
10.04.2019	Wednesday		D92	D70		10.05.2019	Friday		D118	D96	
11.04.2019	Thursday		D93	D71		11.05.2019	Saturday		D119	D97	
12.04.2019	Friday		D94	D72		12.05.2019	Sunday				
13.04.2019	Saturday		D95	D73		13.05.2019	Monday	HOD'S MEETING	D120	D98	
14.04.2019	Sunday					14.05.2019	Tuesday		D121	D99	
15.04.2019	Monday	HOD'S MEETING	D96	D74		15.05.2019	Wednesday		D122	D100	
16.04.2019	Tuesday		D97	D75		16.05.2019	Thursday		D123	D101	
17.04.2019	Wednesday		D98	D76	**COMPLETION OF V UNIT**	17.05.2019	Friday		D124	D102	
18.04.2019	Thursday		D99	D77	*Revision subject 1/MODELII*	18.05.2019	Saturday		D125	D103	
19.04.2019	Friday	GOOD FRIDAY	D100	D78	*Revision subject 1/MODELII*	19.05.2019	Sunday				
20.04.2019	Saturday		D101	D79		20.05.2019	Monday	HOD'S MEETING		D104	
21.04.2019	Sunday					21.05.2019	Tuesday			D105	
22.04.2019	Monday	HOD'S MEETING	D102	D80	*Revision subject 2/MODELII*	22.05.2019	Wednesday			D106	
23.04.2019	Tuesday		D103	D81	*Revision subject 2/MODELII*	23.05.2019	Thursday			D107	
24.04.2019	Wednesday		D104	D82	*Revision subject 3/MODELII*	24.05.2019	Friday			D108	
25.04.2019	Thursday		D105	D83	*Revision subject 3/MODELII*	25.05.2019	Saturday	CHRISTMAS		D109	
26.04.2019	Friday		D106	D84	*Revision subject 4/MODELII*	26.05.2019	Sunday				
27.04.2019	Saturday		D107	D85		27.05.2019	Monday	HOD'S MEETING		D110	
28.04.2019	Sunday					28.05.2019	Tuesday			D111	
29.04.2019	Monday	HOD'S MEETING	D108	D86	*Revision subject 4/MODELII*	29.05.2019	Wednesday			D112	
30.04.2019	Tuesday		D109	D87	*Revision subject 5/MODELII*	30.05.2019	Thursday			D113	
						31.05.2019	Friday			D114	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

EXAMCELL COORDINATOR

PRINCIPAL

ACADEMIC CALENDAR 2019-20- ODD SEMESTER

Date	Day	Jul-19	Oth	I YR	Remarks	Date	Day	Aug-19	Oth	I YR	Remarks
01.07.2019	Monday	REOPEN:III,V&VII SEM	D1		HOD'S MEETING	01.08.2019	Thursday	UNIT TEST -II	D24	D1	REOPEN:I SEM (UG)
02.07.2019	Tuesday		D2			02.08.2019	Friday	UNIT TEST -II	D25	D2	
03.07.2019	Wednesday		D3			03.08.2019	Saturday				
04.07.2019	Thursday		D4			04.08.2019	Sunday				
05.07.2019	Friday		D5			05.08.2019	Monday	UNIT TEST -II	D26	D3	HOD'S MEETING
06.07.2019	Saturday					06.08.2019	Tuesday		D27	D4	
07.07.2019	Sunday					07.08.2019	Wednesday		D28	D5	
08.07.2019	Monday		D6		HOD'S MEETING	08.08.2019	Thursday		D29	D6	
09.07.2019	Tuesday		D7			09.08.2019	Friday		D30	D7	
10.07.2019	Wednesday		D8			10.08.2019	Saturday				
11.07.2019	Thursday		D9			11.08.2019	Sunday				
12.07.2019	Friday	COMPLETION OF I UNIT	D10			12.08.2019	Monday	BAKRID	D31	D8	HOD'S MEETING
13.07.2019	Saturday					13.08.2019	Tuesday		D32	D9	
14.07.2019	Sunday					14.08.2019	Wednesday		D33	D10	COMPLETION OF I UNIT
15.07.2019	Monday	UNIT TEST -I	D11		HOD'S MEETING	15.08.2019	Thursday	INDEPENDENCE DAY			
16.07.2019	Tuesday	UNIT TEST -I	D12			16.08.2019	Friday		D34	D11	
17.07.2019	Wednesday	UNIT TEST -I	D13			17.08.2019	Saturday				
18.07.2019	Thursday		D14			18.08.2019	Sunday				
19.07.2019	Friday		D15			19.08.2019	Monday	HOD'S MEETING	D35	D12	UNIT TEST -I
20.07.2019	Saturday					20.08.2019	Tuesday	COMPLETION OF III UNIT	D36	D13	UNIT TEST -I
21.07.2019	Sunday					21.08.2019	Wednesday	MODEL I	D37	D14	UNIT TEST -I
22.07.2019	Monday		D16		HOD'S MEETING	22.08.2019	Thursday	MODEL I	D38	D15	
23.07.2019	Tuesday		D17			23.08.2019	Friday	MODEL I	D39	D16	KRISHNA JAYANTHI
24.07.2019	Wednesday		D18			24.08.2019	Saturday				
25.07.2019	Thursday		D19			25.08.2019	Sunday				
26.07.2019	Friday		D20			26.08.2019	Monday	MODEL I	D40	D17	HOD'S MEETING
27.07.2019	Saturday					27.08.2019	Tuesday	MODEL I	D41	D18	
28.07.2019	Sunday					28.08.2019	Wednesday	MODEL I	D42	D19	
29.07.2019	Monday		D21		HOD'S MEETING	29.08.2019	Thursday		D43	D20	
30.07.2019	Tuesday		D22			30.08.2019	Friday		D44	D21	
31.07.2019	Wednesday	COMPLETION OF II UNIT	D23			31.08.2019	Saturday				

PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ACADEMIC CALENDAR 2019-20- ODD SEMESTER

Date	Day	Sep-19	Oth	I YR	Remarks	Date	Day	Oct-19	Oth	I YR	Remarks
01.09.2019	Sunday					01.10.2019	Tuesday	*Revision subject 2/MODEL II*	D66	D43	
02.09.2019	Monday	**VINAYAGAR CHADURTHI**	D45	D22	**HOD'S MEETING**	02.10.2019	Wednesday	**GANTHI JAYANTHI**			
03.09.2019	Tuesday		D46	D23	**COMPLETION OF II UNIT**	03.10.2019	Thursday	*Revision subject 3/MODEL II*	D67	D44	
04.09.2019	Wednesday		D47	D24	**UNIT TEST -II**	04.10.2019	Friday	*Revision subject 3/MODEL II*	D68	D45	
05.09.2019	Thursday		D48	D25	**UNIT TEST -II**	05.10.2019	Saturday				
06.09.2019	Friday		D49	D26	**UNIT TEST -II**	06.10.2019	Sunday				
07.09.2019	Saturday					07.10.2019	Monday	*AYUTHA POOJA*			
08.09.2019	Sunday					08.10.2019	Tuesday	*VIJAYADASAMI*			
09.09.2019	Monday		D50	D27	**HOD'S MEETING**	09.10.2019	Wednesday	*Revision subject 4/MODEL II*	D69	D46	
10.09.2019	Tuesday	**MUHHARAM**	D51	D28		10.10.2019	Thursday	*Revision subject 4/MODEL II*	D70	D47	
11.09.2019	Wednesday	**COMPLETION OF IV UNIT**	D52	D29		11.10.2019	Friday	*Revision subject 5MODEL II*	D71	D48	
12.09.2019	Thursday	**UNIT TEST -IV**	D53	D30		12.10.2019	Saturday				
13.09.2019	Friday	**UNIT TEST -IV**	D54	D31		13.10.2019	Sunday				
14.09.2019	Saturday					14.10.2019	Monday	*Revision subject 5MODEL II*	D72	D49	**HOD'S MEETING**
15.09.2019	Sunday					15.10.2019	Tuesday	*Revision subject 6/MODEL II*	D73	D50	
16.09.2019	Monday	**UNIT TEST -IV**	D55	D32	**HOD'S MEETING**	16.10.2019	Wednesday	*Revision subject 6/MODEL II*	D74	D51	**COMPLETION OF IV UNIT**
17.09.2019	Tuesday		D56	D33		17.10.2019	Thursday		D75	D52	**UNIT TEST -IV**
18.09.2019	Wednesday		D57	D34		18.10.2019	Friday		D76	D53	**UNIT TEST -IV**
19.09.2019	Thursday		D58	D35		19.10.2019	Saturday	***LAST WORKING DAY***	D77	D54	**UNIT TEST -IV**
20.09.2019	Friday		D59	D36	**COMPLETION OF III UNIT**	20.10.2019	Sunday				
21.09.2019	Saturday					21.10.2019	Monday	*PRACTICAL EXAM STARTS*	D78	D55	**HOD'S MEETING**
22.09.2019	Sunday					22.10.2019	Tuesday		D79	D56	
23.09.2019	Monday	**HOD'S MEETING**	D60	D37	**MODEL I**	23.10.2019	Wednesday		D80	D57	
24.09.2019	Tuesday		D61	D38	**MODEL I**	24.10.2019	Thursday		D81	D58	
25.09.2019	Wednesday		D62	D39	**MODEL I**	25.10.2019	Friday		D82	D59	
26.09.2019	Thursday	**COMPLETION OF V UNIT**	D63	D40	**MODEL I**	26.10.2019	Saturday				
27.09.2019	Friday	*Revision subject 1/MODEL II*	D64	D41	**MODEL I**	27.10.2019	Sunday	*DEEPAVALI*			
28.09.2019	Saturday	*Revision subject 1/MODEL II*			**MODEL I**	28.10.2019	Monday		D83	D60	**HOD'S MEETING**
29.09.2019	Sunday					29.10.2019	Tuesday		D84	D61	
30.09.2019	Monday	*Revision subject 2/MODEL II*	D65	D42	**HOD'S MEETING**	30.10.2019	Wednesday		D85	D62	
						31.10.2019	Thursday		D86	D63	

PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph...
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ACADEMIC CALENDAR 2019-20- ODD SEMESTER

Date	Day	Nov-19	Oth	I YR	Remarks	Date	Day	Dec-19	Oth	I YR	Remarks
01.11.2019	Friday		D87	D64	COMPLETION OF V UNIT	01.12.2019	Sunday				
02.11.2019	Saturday					02.12.2019	Monday				HOD'S MEETING
03.11.2019	Sunday					03.12.2019	Tuesday				
04.11.2019	Monday	HOD'S MEETING	D88	D65	*Revision subject 1/MODEL II*	04.12.2019	Wednesday				
05.11.2019	Tuesday		D89	D66	*Revision subject 1/MODEL II*	05.12.2019	Thursday				
06.11.2019	Wednesday	*Theory Exam Starts*	D90	D67	*Revision subject 2/MODEL II*	06.12.2019	Friday				
07.11.2019	Thursday		D91	D68	*Revision subject 2/MODEL II*	07.12.2019	Saturday				
08.11.2019	Friday		D92	D69	*Revision subject 3/MODEL II*	08.12.2019	Sunday				
09.11.2019	Saturday			D70	*Revision subject 3/MODEL II*	09.12.2019	Monday				HOD'S MEETING
10.11.2019	Sunday	MILAD-UN- NABI				10.12.2019	Tuesday				
11.11.2019	Monday	HOD'S MEETING		D71	*Revision subject 4/MODEL II*	11.12.2019	Wednesday				
12.11.2019	Tuesday			D72	*Revision subject 4/MODEL II*	12.12.2019	Thursday				
13.11.2019	Wednesday			D73	*Revision subject 5/MODEL II*	13.12.2019	Friday				
14.11.2019	Thursday			D74	*Revision subject 5/MODEL II*	14.12.2019	Saturday				
15.11.2019	Friday			D75	*Revision subject 6/MODEL II*	15.12.2019	Sunday				
16.11.2019	Saturday			D76	*Revision subject 6/MODEL II*	16.12.2019	Monday				HOD'S MEETING
17.11.2019	Sunday					17.12.2019	Tuesday				
18.11.2019	Monday	HOD'S MEETING		D77	MODEL III STARTS	18.12.2019	Wednesday				
19.11.2019	Tuesday			D78		19.12.2019	Thursday				
20.11.2019	Wednesday			D79		20.12.2019	Friday				
21.11.2019	Thursday			D80		21.12.2019	Saturday				
22.11.2019	Friday			D81		22.12.2019	Sunday				
23.11.2019	Saturday					23.12.2019	Monday				HOD'S MEETING
24.11.2019	Sunday					24.12.2019	Tuesday				
25.11.2019	Monday				HOD'S MEETING	25.12.2019	Wednesday	CHRISTMAS			
26.11.2019	Tuesday			D78		26.12.2019	Thursday				
27.11.2019	Wednesday			D79		27.12.2019	Friday				
28.11.2019	Thursday			D80		28.12.2019	Saturday				
29.11.2019	Friday			D81		29.12.2019	Sunday				
30.11.2019	Saturday			D82		30.12.2019	Monday				
						31.12.2019	Thursday				

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2019-20- EVEN SEMESTER

Date	Day	Dec-19	Otr*	I YR	Remarks	Date	Day	Jan-20	Otr*	I YR	Remarks
01.12.2019	Sunday					01.01.2020	Wednesday	New Year			
02.12.2019	Monday				HOD'S MEETING	02.01.2020	Thursday	UNIT TEST -I	D13		
03.12.2019	Tuesday					03.01.2020	Friday	UNIT TEST -I	D14		
04.12.2019	Wednesday					04.01.2020	Saturday				
05.12.2019	Thursday					05.01.2020	Sunday				
06.12.2019	Friday					06.01.2020	Monday		D15	D1	REOPEN:II SEM (UG&PG)
07.12.2019	Saturday					07.01.2020	Tuesday	Result Analysis Meeting -I	D16	D2	
08.12.2019	Sunday					08.01.2020	Wednesday		D17	D3	
09.12.2019	Monday				HOD'S MEETING	09.01.2020	Thursday		D18	D4	
10.12.2019	Tuesday					10.01.2020	Friday	*Tamil Mandram Program*	D19	D5	
11.12.2019	Wednesday					11.01.2020	Saturday		D20	D6	
12.12.2019	Thursday					12.01.2020	Sunday				
13.12.2019	Friday					13.01.2020	Monday		D21	D7	HOD'S MEETING
14.12.2019	Saturday					14.01.2020	Tuesday	PONGAL			
15.12.2019	Sunday					15.01.2020	Wednesday	PONGAL			
16.12.2019	Monday	REOPEN:IV,VI&VIII SEM	D1		HOD'S MEETING	16.01.2020	Thursday	PONGAL			
17.12.2019	Tuesday		D2			17.01.2020	Friday	PONGAL			
18.12.2019	Wednesday		D3			18.01.2020	Saturday				
19.12.2019	Thursday		D4			19.01.2020	Sunday				
20.12.2019	Friday		D5			20.01.2020	Monday		D22	D8	
21.12.2019	Saturday					21.01.2020	Tuesday	COMPLETION OF II UNIT	D23	D9	Feedback from students
22.12.2019	Sunday					22.01.2020	Wednesday	UNIT TEST -II	D24	D10	COMPLETION OF I UNIT
23.12.2019	Monday		D6		HOD'S MEETING	23.01.2020	Thursday	UNIT TEST -II	D25	D11	UNIT TEST -I
24.12.2019	Tuesday		D7			24.01.2020	Friday	UNIT TEST -II	D26	D12	UNIT TEST -I
25.12.2019	Wednesday	CHRISTMAS				25.01.2020	Saturday	Wednesday Order	D27	D13	PARENT'S MEETING/UT-I
26.12.2019	Thursday		D8			26.01.2020	Sunday	REPUBLIC DAY			
27.12.2019	Friday	Feedback from students	D9			27.01.2020	Monday		D28	D14	
28.12.2019	Saturday	*PARENT'S MEETING I*	D10			28.01.2020	Tuesday	Result Analysis Meeting -II	D29	D15	Result Analysis Meeting -I
29.12.2019	Sunday					29.01.2020	Wednesday	CSE Symposium	D30	D16	
30.12.2019	Monday	COMPLETION OF I UNIT	D11		HOD'S MEETING	30.01.2020	Thursday	Mechanical Symposium	D31	D17	NSS Camp-Day1
31.12.2019	Tuesday	UNIT TEST -I	D12			31.01.2020	Friday	EEE Symposium	D32	D18	NSS Camp-Day2

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road

VicePrincipal

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

ACADEMIC CALENDAR 2019-20- EVEN SEMESTER

Date	Day	Feb-20	Otr*	I YR	Remarks	Date	Day	Mar-20	Otr*	I YR	Remarks
01.02.2020	Saturday	Wednesday Order	D33	D19	NSS Camp-Day3	01.03.2020	Sunday				
02.02.2020	Sunday	Bhogi Pongal			NSS Camp-Day4	02.03.2020	Monday		D56	D42	MODEL I
03.02.2020	Monday	ECE Symposium	D34	D20		03.03.2020	Tuesday	Result Analysis Meeting -IV	D57	D43	
04.02.2020	Tuesday	Civil Symposium	D35	D21		04.03.2020	Wednesday		D58	D44	Feedback from students
05.02.2020	Wednesday	COMPLETION OF III UNIT	D36	D22		05.03.2020	Thursday		D59	D45	Model I Review Meeting
06.02.2020	Thursday	MODEL I	D37	D23	COMPLETION OF II UNIT	06.03.2020	Friday	Feedback from students	D60	D46	
07.02.2020	Friday	MODEL I	D38	D24	UNIT TEST -II	07.03.2020	Saturday				
08.02.2020	Saturday	MODEL I	D39	D25	Wednesday Order /UT-II	08.03.2020	Sunday				
09.02.2020	Sunday					09.03.2020	Monday		D61	D47	
10.02.2020	Monday	MODEL I	D40	D26	UNIT TEST -II	10.03.2020	Tuesday		D62	D48	
11.02.2020	Tuesday	MODEL I	D41	D27		11.03.2020	Wednesday	COMPLETION OF V UNIT	D63	D49	IG MTP 2019
12.02.2020	Wednesday	MODEL I	D42	D28	Result Analysis Meeting -II	12.03.2020	Thursday	*Revision subject 1/MODEL II*	D64	D50	
13.02.2020	Thursday		D43	D29		13.03.2020	Friday	*Revision subject 1/MODEL II*	D65	D51	GRADUATION DAY 2019
14.02.2020	Friday	Feedback from students	D44	D30		14.03.2020	Saturday	*Friday Order/ MODEL II*	D66	D52	*PTM II/ COMP IV UNIT*
15.02.2020	Saturday					15.03.2020	Sunday				
16.02.2020	Sunday					16.03.2020	Monday	*Revision subject 2/MODEL II*	D67	D53	UNIT TEST -IV
17.02.2020	Monday	IT Symposium	D45	D31		17.03.2020	Tuesday	*Revision subject 3/MODEL II*	D68	D54	UNIT TEST -IV
18.02.2020	Tuesday	Model I Review Meeting	D46	D32		18.03.2020	Wednesday	*Revision subject 3/MODEL II*	D69	D55	UNIT TEST -IV
19.02.2020	Wednesday		D47	D33		19.03.2020	Thursday	*Revision subject 4/MODEL II*	D70	D56	
20.02.2020	Thursday		D48	D34		20.03.2020	Friday	*Revision subject 4/MODEL II*	D71	D57	Result Analysis Meeting -IV
21.02.2020	Friday		D49	D35		21.03.2020	Saturday	*Revision subject 5/MODEL II*	D72	D58	Wednesday Order
22.02.2020	Saturday	*PTM- II/ Thursday Order*	D50	D36	COMPLETION OF III UNIT	22.03.2020	Sunday				
23.02.2020	Sunday					23.03.2020	Monday	*Revision subject 5/MODEL II*	D73	D59	
24.02.2020	Monday		D51	D37	MODEL I	24.03.2020	Tuesday	*Revision subject 6/MODEL II*	D74	D60	Feedback from student
25.02.2020	Tuesday	COMPLETION OF IV UNIT	D52	D38	MODEL I	25.03.2020	Wednesday	*Revision subject 6/MODEL II*	D75	D61	*TELUGU NEW YEAR*
26.02.2020	Wednesday	UNIT TEST -IV	D53	D39	MODEL I	26.03.2020	Thursday		D76	D62	
27.02.2020	Thursday	UNIT TEST -IV	D54	D40	MODEL I	27.03.2020	Friday	*Last Working Day*	D77	D63	
28.02.2020	Friday	UNIT TEST -IV	D55	D41	MODEL I	28.03.2020	Saturday	Model II Review Meeting	D78	D64	COMPLETION OF V UNIT
29.02.2020	Saturday					29.03.2020	Sunday				
						30.03.2020	Monday	*PRACTICAL EXAM STARTS*	D79	D65	*Revision subject 1/MODEL II*
						31.03.2020	Tuesday		D80	D66	*Revision subject 1/MODEL II*

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

VicePrincipal

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai

ACADEMIC CALENDAR 2020 - 2021 - ODD SEMESTER

Date	Day	Aug-20	Sr. Yr	I Yr	Remarks	Date	Day	Sep-20	Sr. Yr	I Yr	Remarks
01-08-2020	Saturday					01-09-2020	Tuesday		D16		
02-08-2020	Sunday					02-09-2020	Wednesday		D17		
03-08-2020	Monday				HOD's Meeting	03-09-2020	Thursday		D18		
04-08-2020	Tuesday					04-09-2020	Friday		D19		
05-08-2020	Wednesday					05-09-2020	Saturday		D20		*Tuesday Order*
06-08-2020	Thursday					06-09-2020	Sunday				
07-08-2020	Friday					07-09-2020	Monday		D21		HOD's Meeting
08-08-2020	Saturday					08-09-2020	Tuesday		D22		
09-08-2020	Sunday					09-09-2020	Wednesday	COMPLETION OF II UNIT	D23		
10-08-2020	Monday				HOD's Meeting	10-09-2020	Thursday	UNIT TEST - II	D24		
11-08-2020	Tuesday	KRISHNA JAYANTHI				11-09-2020	Friday	UNIT TEST - II	D25		
12-08-2020	Wednesday	REOPEN:UG III,V&VII SEM	D1			12-09-2020	Saturday	UNIT TEST - II	D26		*Friday Order*
13-08-2020	Thursday		D2			13-09-2020	Sunday				
14-08-2020	Friday		D3			14-09-2020	Monday	*Result Analysis Meeting - 2*	D27		HOD's Meeting
15-08-2020	Saturday	INDEPENDENCE DAY				15-09-2020	Tuesday	ENGINEER'S DAY	D28		
16-08-2020	Sunday					16-09-2020	Wednesday		D29		
17-08-2020	Monday		D4		HOD's Meeting	17-09-2020	Thursday		D30		
18-08-2020	Tuesday		D5			18-09-2020	Friday		D31		
19-08-2020	Wednesday		D6			19-09-2020	Saturday		D32		*Monday Order*
20-08-2020	Thursday		D7			20-09-2020	Sunday				
21-08-2020	Friday		D8			21-09-2020	Monday		D33		HOD's Meeting
22-08-2020	Saturday	VINAYAKA CHATURTHI				22-09-2020	Tuesday		D34		
23-08-2020	Sunday					23-09-2020	Wednesday		D35		
24-08-2020	Monday		D9		HOD's Meeting	24-09-2020	Thursday		D36		
25-08-2020	Tuesday		D10			25-09-2020	Friday	COMPLETION OF III UNIT	D37		
26-08-2020	Wednesday	COMPLETION OF I UNIT	D11			26-09-2020	Saturday	MODEL I	D38		*Tuesday Order*
27-08-2020	Thursday	UNIT TEST - I	D12			27-09-2020	Sunday				
28-08-2020	Friday	UNIT TEST - I	D13		Feedback From Students	28-09-2020	Monday	MODEL I	D39		HOD's Meeting
29-08-2020	Saturday	UNIT TEST - I	D14		*PARENT'S MEETING*	29-09-2020	Tuesday	MODEL I	D40		Feedback From Students
30-08-2020	Sunday	MUHARRAM				30-09-2020	Wednesday	MODEL I	D41		*PARENT'S MEETING*
31-08-2020	Monday	*Result Analysis Meeting - 1*	D15		HOD's Meeting						

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
I.G. Valley, Madurai Main Road

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai

ACADEMIC CALENDAR 2020 - 2021 - ODD SEMESTER

Date	Day	Oct-20	Sr. Yr	I Yr	Remarks	Date	Day	Nov-20	Sr. Yr	I Yr	Remarks
01-10-2020	Thursday	MODEL I	D42			01-11-2020	Sunday				
02-10-2020	Friday	GANDHI JAYANTI				02-11-2020	Monday		D67		HOD's Meeting
03-10-2020	Saturday	MODEL I	D43		*Wednesday Order*	03-11-2020	Tuesday		D68		
04-10-2020	Sunday					04-11-2020	Wednesday		D69		
05-10-2020	Monday	*Model I Review Meeting*	D44		HOD's Meeting	05-11-2020	Thursday		D70		
06-10-2020	Tuesday		D45			06-11-2020	Friday		D71		
07-10-2020	Wednesday		D46			07-11-2020	Saturday		D72		
08-10-2020	Thursday		D47			08-11-2020	Sunday				
09-10-2020	Friday		D48			09-11-2020	Monday	*THEORY EXAM STARTS*		D1	INDUCTION PROGRAMME
10-10-2020	Saturday		D49		*Thursday Order*	10-11-2020	Tuesday			D2	
11-10-2020	Sunday					11-11-2020	Wednesday			D3	
12-10-2020	Monday		D50		HOD's Meeting	12-11-2020	Thursday			D4	
13-10-2020	Tuesday		D51			13-11-2020	Friday			D5	
14-10-2020	Wednesday	COMPLETION OF IV UNIT	D52			14-11-2020	Saturday	DEEPAVALI			
15-10-2020	Thursday	UNIT TEST - IV	D53			15-11-2020	Sunday				
16-10-2020	Friday	UNIT TEST - IV	D54			16-11-2020	Monday			D6	HOD's Meeting
17-10-2020	Saturday	UNIT TEST - IV	D55		*Fridat Order*	17-11-2020	Tuesday			D7	
18-10-2020	Sunday					18-11-2020	Wednesday			D8	
19-10-2020	Monday	*Result Analysis Meeting - 4*	D56		HOD's Meeting	19-11-2020	Thursday			D9	
20-10-2020	Tuesday	MODEL II	D57			20-11-2020	Friday			D10	
21-10-2020	Wednesday	MODEL II	D58			21-11-2020	Saturday			D11	
22-10-2020	Thursday	MODEL II	D59			22-11-2020	Sunday				
23-10-2020	Friday	MODEL II	D60			23-11-2020	Monday	HOD's Meeting		D12	CLASSES START : UG I SEM
24-10-2020	Saturday	MODEL II	D61		*Monday Order*	24-11-2020	Tuesday			D13	
25-10-2020	Sunday	AYUTHA POOJA				25-11-2020	Wednesday	CHRISTMAS			
26-10-2020	Monday	VIJAYADASAMI			*LAST WORKING DAY*	26-11-2020	Thursday			D14	
27-10-2020	Tuesday	MODEL II	D62		HOD's Meeting	27-11-2020	Friday	Feedback From Students		D15	
28-10-2020	Wednesday	*PRACTICAL EXAM STARTS*	D63		*Model II Review Meeting*	28-11-2020	Saturday	*PARENT'S MEETING*		D16	*Monday Order*
29-10-2020	Thursday		D64			29-11-2020	Sunday				
30-10-2020	Friday		D65		Feedback From Students	30-11-2020	Monday			D17	HOD's Meeting
31-10-2020	Saturday		D66		*PARENT'S MEETING*						

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai

ACADEMIC CALENDAR 2020 - 2021 - ODD SEMESTER

Date	Day	Dec-20	Sr. Yr	I Yr	Remarks
01-12-2020	Tuesday			D18	
02-12-2020	Wednesday			D19	
03-12-2020	Thursday			D20	
04-12-2020	Friday			D21	
05-12-2020	Saturday	COMPLETION OF I UNIT		D22	*Tuesday Order*
06-12-2020	Sunday				
07-12-2020	Monday	UNIT TEST - I		D23	HOD's Meeting
08-12-2020	Tuesday	UNIT TEST - I		D24	
09-12-2020	Wednesday	UNIT TEST - I		D25	
10-12-2020	Thursday			D26	*Result Analysis Meeting - 1*
11-12-2020	Friday			D27	
12-12-2020	Saturday			D28	*Wednesday Order*
13-12-2020	Sunday				
14-12-2020	Monday			D29	HOD's Meeting
15-12-2020	Tuesday			D30	
16-12-2020	Wednesday			D31	
17-12-2020	Thursday			D32	
18-12-2020	Friday			D33	
19-12-2020	Saturday			D34	*Thursday Order*
20-12-2020	Sunday				
21-12-2020	Monday	COMPLETION OF II UNIT		D35	HOD's Meeting
22-12-2020	Tuesday	UNIT TEST - II		D36	
23-12-2020	Wednesday	UNIT TEST - II		D37	
24-12-2020	Thursday	UNIT TEST - II		D38	
25-12-2020	Friday	CHRISTMAS			
26-12-2020	Saturday			D39	*Friday Order*
27-12-2020	Sunday				
28-12-2020	Monday	*Result Analysis Meeting - 2*		D40	HOD's Meeting
29-12-2020	Tuesday			D41	
30-12-2020	Wednesday			D42	Feedback From Students
31-12-2020	Thursday			D43	*PARENT'S MEETING*

Date	Day	Jan-21	Sr. Yr	I Yr	Remarks
01-01-2021	Friday	NEW YEAR			
02-01-2021	Saturday			D44	*Friday Order*
03-01-2021	Sunday				
04-01-2021	Monday			D45	HOD's Meeting
05-01-2021	Tuesday			D46	
06-01-2021	Wednesday	COMPLETION OF III UNIT		D47	
07-01-2021	Thursday	MODEL I		D48	
08-01-2021	Friday	MODEL I		D49	
09-01-2021	Saturday	MODEL I		D50	*Thursday Order*
10-01-2021	Sunday				
11-01-2021	Monday	MODEL I		D51	HOD's Meeting
12-01-2021	Tuesday	MODEL I		D52	
13-01-2021	Wednesday	MODEL I		D53	
14-01-2021	Thursday	PONGAL			
15-01-2021	Friday	PONGAL			
16-01-2021	Saturday	PONGAL			
17-01-2021	Sunday				
18-01-2021	Monday	*Model I Review Meeting*		D54	HOD's Meeting
19-01-2021	Tuesday			D55	
20-01-2021	Wednesday			D56	
21-01-2021	Thursday			D57	
22-01-2021	Friday			D58	
23-01-2021	Saturday			D59	*Friday Order*
24-01-2021	Sunday				
25-01-2021	Monday			D60	HOD's Meeting
26-01-2021	Tuesday	REPUBLIC DAY			
27-01-2021	Wednesday	COMPLETION OF IV UNIT		D61	
28-01-2021	Thursday	UNIT TEST - IV		D62	Feedback From Students
29-01-2021	Friday	UNIT TEST - IV		D63	*PARENT'S MEETING*
30-01-2021	Saturday	UNIT TEST - IV		D64	*Tuesday Order*
31-01-2021	Sunday				

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
Accredited by NAAC with B+ Grade

Academic Calendar: Even Semester 2020-21

December 2020	IV YR	Date	Day	II & III yr	Remarks	January 2021	IV YR	Date	Day	II & III yr	Remarks
		01.12.202	Tuesday			NEW YEAR		01.01.202	Friday		
		02.12.202	Wednesda			Result Analysis Meeting -I	D16	02.01.202	Saturday		
		03.12.202	Thursday					03.01.202	Sunday		
		04.12.202	Friday				D17	04.01.202	Monday		HOD'S MEETING
		05.12.202	Saturday				D18	05.01.202	Tuesday		
		06.12.20	Sunday				D19	06.01.202	Wednesd		
		07.12.202	Monday		HOD'S MEETING		D20	07.01.202	Thursday		
		08.12.202	Tuesday				D21	08.01.202	Friday		
		09.12.202	Wednesda			COMPLETION OF II UNIT	D22	09.01.202	Saturday		
		10.12.202	Thursday					10.01.202	Sunday		
		11.12.202	Friday			UNIT TEST -II	D23	11.01.202	Monday		HOD'S MEETING
		12.12.202	Saturday			UNIT TEST -II	D24	12.01.202	Tuesday		
		13.12.20	Sunday			UNIT TEST -II	D25	13.01.202	Wednesd		
REOPEN:VIII SEM	D1	14.12.202	Monday		HOD'S MEETING	PONGAL		14.01.202	Thursda		
	D2	15.12.202	Tuesday			PONGAL		15.01.202	Friday		
	D3	16.12.202	Wednesda			PONGAL		16.01.202	Saturday		
	D4	17.12.202	Thursday			PONGAL		17.01.202	Sunday		
	D5	18.12.202	Friday			Result Analysis Meeting -II	D26	18.01.202	Monday		HOD'S MEETING
	D6	19.12.202	Saturday				D27	19.01.202	Tuesday		
		20.12.20	Sunday				D28	20.01.202	Wednesd		
	D7	21.12.202 0	Monday		HOD'S MEETING		D29	21.01.202 1	Thursday		
	D8	22.12.202	Tuesday				D30	22.01.202	Friday		
Feedback from students	D9	23.12.202	Wednesda				D31	23.01.202	Saturday		
PARENT'S MEETING I	D10	24.12.202	Thursday					24.01.202	Sunday		
CHRISTMAS		25.12.20	Friday			HOD'S MEETING	D32	25.01.202	Monday		
COMPLETION OF I UNIT	D11	26.12.202	Saturday			REPUBLIC DAY		26.01.202	Tuesday		
		27.12.20	Sunday				D33	27.01.202	Wednesd		
UNIT TEST -I	D12	28.12.202	Monday		HOD'S MEETING		D34	28.01.202	Thursday		
UNIT TEST -I	D13	29.12.202	Tuesday			Feedback from students	D35	29.01.202	Friday		
UNIT TEST -I	D14	30.12.202	Wednesda			COMPLETION OF III UNIT	D36	30.01.202	Saturday		
	D15	31.12.202	Thursday					31.01.202	Sunday		

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

Indra Ganesan

COLLEGE OF ENGINEERING

Madural Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
Accredited by NAAC with B+ Grade

Academic Calendar: Even Semester 2020-21

February-2021	IV YR	Date	Day	II & III yr	Remarks	March-2021	IV YR	Date	Day	II & III yr	Remarks
Holiday for final year students		01.02.202	Monday		HOD'S MEETING	HOD'S MEETING	D46	01.03.202	Monday	D10	*PARENT'S MEETING I*
		02.02.202	Tuesday				D47	02.03.202	Tuesday	D11	COMPLETION OF I UNIT
		03.02.202	Wednesda				D48	03.03.202	Wednesd	D12	UNIT TEST -I
		04.02.202	Thursday				D49	04.03.202	Thursday	D13	UNIT TEST -I
		05.02.202	Friday				D50	05.03.202	Friday	D14	UNIT TEST -I
		06.02.202	Saturday			COMPLETION OF IV UNIT	D51	06.03.202	Saturday	D15	
		07.02.20	Sunday					07.03.202	Sunday		
		08.02.202	Monday		HOD'S MEETING	UNIT TEST -IV	D52	08.03.202	Monday	D16	Result Analysis Meeting -I
		09.02.202	Tuesday			UNIT TEST -IV	D53	09.03.202	Tuesday	D17	
		10.02.202	Wednesda			UNIT TEST -IV	D54	10.03.202	Wednesd	D18	
		11.02.202	Thursday				D55	11.03.202	Thursday	D19	
		12.02.202	Friday				D56	12.03.202	Friday	D20	
		13.02.202	Saturday			Result Analysis Meeting -IV	D57	13.03.202	Saturday	D21	
		14.02.20	Sunday					14.03.202	Sunday		
		15.02.202	Monday		HOD'S MEETING		D58	15.03.202	Monday	D22	HOD'S MEETING
		16.02.202	Tuesday				D59	16.03.202	Tuesday	D23	COMPLETION OF II UNIT
		17.02.202	Wednesda				D60	17.03.202	Wednesd	D24	UNIT TEST -II
MODEL I	D37	18.02.202	Thursday	D1	REOPEN:IV & VI SEM	Feedback from students	D61	18.03.202	Thursday	D25	UNIT TEST -II
MODEL I	D38	19.02.202	Friday	D2		COMPLETION OF V UNIT	D62	19.03.202	Friday	D26	UNIT TEST -II
MODEL I	D39	20.02.202	Saturday	D3			D63	20.03.202	Saturday	D27	
		21.02.20	Sunday					21.03.202	Sunday		
MODEL I	D40	22.02.202	Monday	D4	HOD'S MEETING	*Revision subject 1/MODEL*	D64	22.03.202	Monday	D28	Result Analysis Meeting -II
MODEL I	D41	23.02.202	Tuesday	D5		*Revision subject 1/MODEL*	D65	23.03.202	Tuesday	D29	
MODEL I	D42	24.02.202	Wednesda	D6		*Revision subject 2/MODEL*	D66	24.03.202	Wednesd	D30	
	D43	25.02.202	Thursday	D7		*Revision subject 2/MODEL*	D67	25.03.202	Thursday	D31	
PARENT'S MEETING II	D44	26.02.202	Friday	D8		*Revision subject 3/MODEL*	D68	26.03.202	Friday	D32	
Model I Review Meeting	D45	27.02.202	Saturday	D9	Feedback from students	*Revision subject 3/MODEL*	D69	27.03.202	Saturday	D33	
		28.02.20	Sunday					28.03.202	Sunday		
						Revision subject 4/MODEL	D70	29.03.202	Monday	D34	HOD'S MEETING
						Revision subject 4/MODEL	D71	30.03.202	Tuesday	D35	
						Revision subject 5MODEL	D72	31.03.202	Wednesd	D36	COMPLETION OF III UNIT

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
Accredited by NAAC with B+ Grade

Academic Calendar: Even Semester 2020-21

April - 2021	IV YR	Date	Day	II & III yr	Remarks	May - 2021	IV YR	Date	Day	II & III yr	Remarks
Revision subject 5MODEL	D73	01.04.202	Thursday	D37	MODEL I	MAY DAY	D97	01.05.202	Saturday	D61	COMPLETION OF V UNIT
Revision subject 6MODEL		02.04.20	Friday		GOOD FRIDAY			02.05.202	Sunday		
Revision subject 6MODEL	D74	03.04.202	Saturday	D38	MODEL I	HOD'S MEETING	D98	03.05.202	Monday	D62	*Revision subject 1/MODEL*
		04.04.20	Sunday				D99	04.05.202	Tuesday	D63	*Revision subject 1/MODEL*
HOD'S MEETING	D75	05.04.202	Monday	D39	MODEL I		D10	05.05.202	Wednesd	D64	*Revision subject 2/MODEL*
	D76	06.04.202	Tuesday	D40	MODEL I		D10	06.05.202	Thursday	D65	*Revision subject 2/MODEL*
Model II Review Meeting	D77	07.04.202	Wednesda	D41	MODEL I		D10	07.05.202	Friday	D66	*Revision subject 3/MODEL*
	D78	08.04.202	Thursday	D42	MODEL I		D10	08.05.202	Saturday	D67	*Revision subject 3/MODEL*
	D79	09.04.202	Friday	D43	Feedback from students			09.05.202	Sunday		
	D80	10.04.202	Saturday	D44	Model I Review Meeting	HOD'S MEETING	D10	10.05.202	Monday	D68	*Revision subject 4/MODEL*
		11.04.20	Sunday				D10	11.05.202	Tuesday	D69	*Revision subject 4/MODEL*
Last Working Day	D81	12.04.202	Monday	D45	HOD'S MEETING		D10	12.05.202	Wednesd	D70	*Revision subject 5/MODEL*
	D82	13.04.202	Tuesday	D46			D10	13.05.202	Thursday	D71	*Revision subject 5/MODEL*
TAMIL NEW YEAR		14.04.20	Wednesd				D10	14.05.202	Friday	D72	*Revision subject 6/MODEL*
PRACTICAL EXAM STARTS	D83	15.04.202	Thursday	D47	*PARENT'S MEETING II*		D10	15.05.202	Saturday	D73	*Revision subject 6/MODEL*
	D84	16.04.202	Friday	D48				16.05.202	Sunday		
	D85	17.04.202	Saturday	D49		HOD'S MEETING	D11	17.05.202	Monday	D74	
		18.04.20	Sunday				D11	18.05.202	Tuesday	D75	
HOD'S MEETING	D86	19.04.202	Monday	D50			D11	19.05.202	Wednesd	D76	Model II Review Meeting
	D87	20.04.202	Tuesday	D51	COMPLETION OF IV		D11	20.05.202	Thursday	D77	
	D88	21.04.202	Wednesda	D52	UNIT TEST -IV		D11	21.05.202	Friday	D78	Last Working Day
	D89	22.04.202	Thursday	D53	UNIT TEST -IV		D11	22.05.202	Saturday	D79	
	D90	23.04.202	Friday	D54	UNIT TEST -IV			23.05.202	Sunday		
	D91	24.04.202	Saturday	D55		HOD'S MEETING	D11	24.05.202	Monday	D80	*PRACTICAL EXAM STARTS*
		25.04.20	Sunday			RAMZAN		25.05.202	Tuesday		
Theory Exam Starts	D92	26.04.202	Monday	D56	HOD'S MEETING		D11	26.05.202	Wednesd	D81	
	D93	27.04.202	Tuesday	D57			D11	27.05.202	Thursday	D82	
	D94	28.04.202	Wednesda	D58			D11	28.05.202	Friday	D83	
	D95	29.04.202	Thursday	D59			D12	29.05.202	Saturday	D84	
	D96	30.04.202	Friday	D60				30.05.202	Sunday		
							D12	31.05.202	Monday	D85	

Dr. G. Balakrishnan M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
Accredited by NAAC with B+ Grade

ACADEMIC CALENDAR 2021 - 2022 - ODD SEMESTER

Date	Day	Oct-21	Sr. Yr	I Yr	Remarks
01-10-2021	Friday		D39		
02-10-2021	Saturday	GANDHI JAYANTI			
03-10-2021	Sunday				
04-10-2021	Monday		D40		HOD's Meeting
05-10-2021	Tuesday		D41		
06-10-2021	Wednesday		D42		
07-10-2021	Thursday	*Webportal Slot 2 Entry* / MODEL I	D43		
08-10-2021	Friday	MODEL I	D44		
09-10-2021	Saturday	MODEL I	D45		*Thursday Order*
10-10-2021	Sunday				
11-10-2021	Monday	MODEL I	D46		HOD's Meeting
12-10-2021	Tuesday	MODEL I	D47		
13-10-2021	Wednesday	MODEL I	D48		
14-10-2021	Thursday	AYUTHA POOJA			
15-10-2021	Friday	VIJAYADASAMI			
16-10-2021	Saturday				
17-10-2021	Sunday				
18-10-2021	Monday	*Model I Result Analysis Meeting*	D49		HOD's Meeting
19-10-2021	Tuesday		D50		
20-10-2021	Wednesday		D51		
21-10-2021	Thursday		D52		
22-10-2021	Friday		D53		
23-10-2021	Saturday	*Friday Order*	D54		
24-10-2021	Sunday				
25-10-2021	Monday		D55		HOD's Meeting
26-10-2021	Tuesday	Feedback From Students	D56		
27-10-2021	Wednesday	COMPLETION OF IV UNIT	D57		
28-10-2021	Thursday	UNIT TEST - IV	D58		*Webportal PG III SEM Slot 1 Entry*
29-10-2021	Friday	UNIT TEST - IV	D59		
30-10-2021	Saturday	UNIT TEST - IV	D60		*PARENT'S MEETING*
31-10-2021	Sunday				

Date	Day	Nov-21	Sr. Yr	I Yr	Remarks
01-11-2021	Monday	*Result Analysis Meeting - 4*	D60		HOD's Meeting
02-11-2021	Tuesday		D61		
03-11-2021	Wednesday		D62		
04-11-2021	Thursday	DEEPAVALI			
05-11-2021	Friday	*Webportal Slot 3 Entry*	D63		
06-11-2021	Saturday	*Tuesday Order*	D64		
07-11-2021	Sunday				
08-11-2021	Monday	HOD's Meeting	D65	D1	INDUCTION PROGRAMME
09-11-2021	Tuesday		D66	D2	
10-11-2021	Wednesday		D67	D3	
11-11-2021	Thursday		D68	D4	
12-11-2021	Friday		D69	D5	
13-11-2021	Saturday	*Monday Order*	D70	D6	
14-11-2021	Sunday				
15-11-2021	Monday	RS 1 / *Webportal PG III Sem Slot2*	D71	D7	HOD's Meeting
16-11-2021	Tuesday	Revision Subject 1 /MODEL II	D72	D8	
17-11-2021	Wednesday	Revision Subject 2 /MODEL II	D73	D9	
18-11-2021	Thursday	Revision Subject 2 /MODEL II	D74	D10	
19-11-2021	Friday	Revision Subject 3 /MODEL II	D75	D11	
20-11-2021	Saturday	MODEL II / *Thursday Order*	D76	D12	GRADUATION DAY 19 & 20
21-11-2021	Sunday				
22-11-2021	Monday	Revision Subject 4 / *HOD's Meeting*	D77	D13	CLASSES START : UG I SEM
23-11-2021	Tuesday	Revision Subject 4 /MODEL II	D78	D14	
24-11-2021	Wednesday	Revision Subject 5 /MODEL II	D79	D15	
25-11-2021	Thursday	Revision Subject 5 /MODEL II	D80	D16	
26-11-2021	Friday	Revision Subject 6 /MODEL II	D81	D17	
27-11-2021	Saturday	Revision Subject 6 /MODEL II	D82	D18	*Wednesday Order*
28-11-2021	Sunday				
29-11-2021	Monday	*PARENT'S MEETING*	D83	D19	HOD's Meeting
30-11-2021	Tuesday	*Webportal Slot 4 Entry* / *LAST WORKING DAY*	D84	D20	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan

COLLEGE OF ENGINEERING

Madural Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
Accredited by NAAC with B+ Grade

ACADEMIC CALENDAR 2021 - 2022 - ODD SEMESTER

Date	Day	Dec-21	Sr. Yr	I Yr	Remarks	Date	Day	Jan-22	Sr. Yr	I Yr	Remarks
01-12-2021	Wednesday	*Model II Result Analysis Meeting*	D87	D21		01-01-2022	Saturday	NEW YEAR			
02-12-2021	Thursday	*PRACTICAL EXAM STARTS*	D88	D22		02-01-2022	Sunday				
03-12-2021	Friday		D89	D23		03-01-2022	Monday	*PRACTICAL EXAM STARTS PG III SEM*		D45	HOD's Meeting /RA Meeting - 2
04-12-2021	Saturday	*Thursday Order*	D90	D24		04-01-2022	Tuesday			D46	
05-12-2021	Sunday					05-01-2022	Wednesday			D47	
06-12-2021	Monday		D91	D23	HOD's Meeting	06-01-2022	Thursday			D48	
07-12-2021	Tuesday	*Webportal PG III Sem Slot 3 Entry*	D92	D24		07-01-2022	Friday			D49	
08-12-2021	Wednesday		D93	D25	COMPLETION OF I UNIT	08-01-2022	Saturday			D50	
09-12-2021	Thursday		D94	D26	UNIT TEST - I	09-01-2022	Sunday				
10-12-2021	Friday		D95	D27	UNIT TEST - I	10-01-2022	Monday			D51	HOD's Meeting
11-12-2021	Saturday	*Friday Order*	D96	D28	UNIT TEST - I	11-01-2022	Tuesday			D52	
12-12-2021	Sunday					12-01-2022	Wednesday			D53	
13-12-2021	Monday	*THEORY EXAM STARTS*		D29	HOD's Meeting	13-01-2022	Thursday	PONGAL			
14-12-2021	Tuesday			D30		14-01-2022	Friday	PONGAL			
15-12-2021	Wednesday			D31	*Result Analysis Meeting - 1*	15-01-2022	Saturday	PONGAL			
16-12-2021	Thursday			D32		16-01-2022	Sunday				
17-12-2021	Friday			D33		17-01-2022	Monday			D54	HOD's Meeting
18-12-2021	Saturday	*Monday Order*		D34		18-01-2022	Tuesday			D55	
19-12-2021	Sunday					19-01-2022	Wednesday	*THEORY EXAM STARTS PG III SEM*		D56	
20-12-2021	Monday			D35	HOD's Meeting	20-01-2022	Thursday			D57	
21-12-2021	Tuesday			D36		21-01-2022	Friday			D58	Feedback From Students
22-12-2021	Wednesday			D37		22-01-2022	Saturday			D59	COMPLETION OF III UNIT
23-12-2021	Thursday			D38	Feedback From Students	23-01-2022	Sunday				
24-12-2021	Friday			D39	*PARENT'S MEETING*	24-01-2022	Monday	HOD's Meeting		D60	MODEL I
25-12-2021	Saturday	CHRISTMAS				25-01-2022	Tuesday			D61	MODEL I
26-12-2021	Sunday					26-01-2022	Wednesday	REPUBLIC DAY / ALUMNI MEET			
27-12-2021	Monday			D40	HOD's Meeting	27-01-2022	Thursday			D62	MODEL I
28-12-2021	Tuesday			D41	COMPLETION OF II UNIT	28-01-2022	Friday			D63	MODEL I
29-12-2021	Wednesday			D42	UNIT TEST - II	29-01-2022	Saturday			D64	MODEL I
30-12-2021	Thursday			D43	UNIT TEST - II	30-01-2022	Sunday				
31-12-2021	Friday	*Webportal PG III Sem Slot 4 Entry*		D44	UNIT TEST - II	31-01-2022	Monday			D65	*PARENT'S MEETING*

Dr. C. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan

COLLEGE OF ENGINEERING

Madural Main Road (NH-45B),Manikandam,Tiruchirapalli- 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
Accredited by NAAC with B+ Grade

ACADEMIC CALENDAR 2021 - 2022 - ODD SEMESTER

Date	Day	Feb-22	Sr. Yr	I Yr	Remarks	Date	Day	Mar-22	Sr. Yr	I Yr	Remarks
01-02-2022	Tuesday			D66	*Model I Result Analysis Meeting*	01-03-2022	Tuesday			D90	Revision Subject 3 /MODEL II
02-02-2022	Wednesday			D67		02-03-2022	Wednesday			D91	Revision Subject 4 /MODEL II
03-02-2022	Thursday			D68		03-03-2022	Thursday			D92	Revision Subject 4 /MODEL II
04-02-2022	Friday			D69		04-03-2022	Friday			D93	Revision Subject 5 /MODEL II
05-02-2022	Saturday			D70		05-03-2022	Saturday			D94	Revision Subject 5 /MODEL II
06-02-2022	Sunday					06-03-2022	Sunday				
07-02-2022	Monday			D71		07-03-2022	Monday			D95	*Model II Result Analysis Meeting*
08-02-2022	Tuesday			D72		08-03-2022	Tuesday			D96	*LAST WORKING DAY*
09-02-2022	Wednesday			D73	COMPLETION OF IV UNIT	09-03-2022	Wednesday			D97	
10-02-2022	Thursday			D74	UNIT TEST - IV	10-03-2022	Thursday			D98	*PRACTICAL EXAM STARTS*
11-02-2022	Friday			D75	UNIT TEST - IV	11-03-2022	Friday			D99	
12-02-2022	Saturday			D76	UNIT TEST - IV	12-03-2022	Saturday			D100	
13-02-2022	Sunday					13-03-2022	Sunday				
14-02-2022	Monday			D77		14-03-2022	Monday			D101	
15-02-2022	Tuesday			D78		15-03-2022	Tuesday			D102	
16-02-2022	Wednesday			D79	*Result Analysis Meeting - 4*	16-03-2022	Wednesday			D103	
17-02-2022	Thursday			D80		17-03-2022	Thursday			D104	
18-02-2022	Friday			D81		18-03-2022	Friday			D105	
19-02-2022	Saturday			D82		19-03-2022	Saturday			D106	
20-02-2022	Sunday					20-03-2022	Sunday				
21-02-2022	Monday			D83		21-03-2022	Monday				*THEORY EXAM STARTS*
22-02-2022	Tuesday			D84	Feedback From Students	22-03-2022	Tuesday				
23-02-2022	Wednesday			D85	COMPLETION OF V UNIT	23-03-2022	Wednesday				
24-02-2022	Thursday			D86	Revision Subject 1 /MODEL II	24-03-2022	Thursday				
25-02-2022	Friday			D87	Revision Subject 1 /MODEL II	25-03-2022	Friday				
26-02-2022	Saturday			D88	Revision Subject 2 /MODEL II	26-03-2022	Saturday				
27-02-2022	Sunday					27-03-2022	Sunday				
28-02-2022	Monday			D89	*PARENT'S MEETING / MODEL II*	28-03-2022	Monday				
						29-03-2022	Tuesday				
						30-03-2022	Wednesday				
						31-03-2022	Thursday				

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2021 - 2022 - EVEN SEMESTER

Date	Day	May-22	Sr. Yr	I Yr	Remarks	Date	Day	Jun-22	Sr. Yr	I Yr	Remarks
01-05-2022	SUN					01-06-2022	WED		D62	D47	
02-05-2022	MON		D37	D22	HOD's Meeting	02-06-2022	THU		D63	D48	
03-05-2022	TUE	*RAMZAN*				03-06-2022	FRI		D64	D49	
04-05-2022	WED		D38	D23	Continuous Internal Assessment-I	04-06-2022	SAT	*CSE/IT SEMINAR*	D65	D50	*Friday Order*
05-05-2022	THU		D39	D24	Continuous Internal Assessment-I	05-06-2022	SUN				World Environment Day
06-05-2022	FRI	*CSE/IT WORKSHOP*	D40	D25	Continuous Internal Assessment-I	06-06-2022	MON	HOD's Meeting	D66	D51	Continuous Internal Assessment-II
07-05-2022	SAT	*CSE/IT WORKSHOP*	D41	D26	*Monday Order*	07-06-2022	TUE		D67	D52	
08-05-2022	SUN	World Red Cross Day			Mother's Day	08-06-2022	WED		D68	D53	
09-05-2022	MON	HOD's Meeting	D42	D27	*Result Analysis Meeting - I*	09-06-2022	THU		D69	D54	
10-05-2022	TUE		D43	D28		10-06-2022	FRI		D70	D55	
11-05-2022	WED		D44	D29		11-06-2022	SAT	*Monday Order*	D71	D56	*Result Analysis Meeting - II*
12-05-2022	THU		D45	D30		12-06-2022	SUN				
13-05-2022	FRI		D46	D31		13-06-2022	MON	Continuous Internal Assessment-III	D72	D57	HOD's Meeting
14-05-2022	SAT	*CIVIL WORKSHOP*	D47	D32	*Tuesday Order*	14-06-2022	TUE	Continuous Internal Assessment-III	D73	D58	
15-05-2022	SUN					15-06-2022	WED	Continuous Internal Assessment-III	D74	D59	
16-05-2022	MON	Continuous Internal Assessment-II	D48	D33	HOD's Meeting	16-06-2022	THU	*Last Working Day* SLOT 3 ENTRY PERIOD	D75	D60	
17-05-2022	TUE	Continuous Internal Assessment-II	D49	D34		17-06-2022	FRI	*Result Analysis Meeting - III*	D76	D61	
18-05-2022	WED	Continuous Internal Assessment-II	D50	D35		18-06-2022	SAT	*PRACTICAL EXAM STARTS*	D77	D62	*Tuesday Order*
19-05-2022	THU		D51	D36		19-06-2022	SUN				
20-05-2022	FRI		D52	D37		20-06-2022	MON	Model Exam I	D78	D63	HOD's Meeting
21-05-2022	SAT	*CIVIL/ECE GUEST LECTURE*	D53	D38	*Wednesday Order*	21-06-2022	TUE	Model Exam I	D79	D64	International Day of Yoga
22-05-2022	SUN					22-06-2022	WED	Model Exam I	D80	D65	
23-05-2022	MON	*Result Analysis Meeting - II*	D54	D39	HOD's Meeting	23-06-2022	THU	Model Exam I	D81	D66	
24-05-2022	TUE	*SLOT 3 ENTRY PERIOD*	D55	D40		24-06-2022	FRI	Model Exam I	D82	D67	
25-05-2022	WED		D56	D41		25-06-2022	SAT	Model Exam I	D83	D68	*Wednesday Order*
26-05-2022	THU		D57	D42		26-06-2022	SUN				
27-05-2022	FRI		D58	D43		27-06-2022	MON	*Model Result Analysis Meeting*	D84	D69	HOD's Meeting
28-05-2022	SAT	*Thursday Order*	D59	D44	*SYMPOSIUM*	28-06-2022	TUE	*THEORY EXAM STARTS*		D70	
29-05-2022	SUN					29-06-2022	WED			D71	Continuous Internal Assessment-III
30-05-2022	MON		D60	D45	HOD's Meeting	30-06-2022	THU			D72	
31-05-2022	TUE		D61	D46							

Dr. G. Balakrishnan, M.E., Ph.D
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2021 - 2022 - EVEN SEMESTER

Date	Day	Jul-22	Sr. Yr	I Yr	Remarks
01-07-2022	FRI			D73	CIA-III
02-07-2022	SAT			D74	*Thursday Order*
03-07-2022	SUN				
04-07-2022	MON	*Last Working Day*		D75	*Result Analysis Meeting - III*
05-07-2022	TUE			D76	
06-07-2022	WED			D77	*PRACTICAL EXAM STARTS*
07-07-2022	THU			D78	
08-07-2022	FRI			D79	
09-07-2022	SAT			D80	
10-07-2022	SUN				
11-07-2022	MON			D81	Model Exam I
12-07-2022	TUE			D82	Model Exam I
13-07-2022	WED			D83	Model Exam I
14-07-2022	THU			D84	Model Exam I
15-07-2022	FRI			D85	Model Exam I
16-07-2022	SAT			D86	Model Exam I
17-07-2022	SUN				
18-07-2022	MON	*Model Result Analysis Meeting*			*THEORY EXAM STARTS*
19-07-2022	TUE				
20-07-2022	WED				
21-07-2022	THU				
22-07-2022	FRI				
23-07-2022	SAT				
24-07-2022	SUN				
25-07-2022	MON				
26-07-2022	TUE				
27-07-2022	WED				
28-07-2022	THU				
29-07-2022	FRI				
30-07-2022	SAT				
31-07-2022	SUN				

Date	Day	Aug-22	Sr. Yr	I Yr	Remarks
01-08-2022	MON				
02-08-2022	TUE				
03-08-2022	WED				
04-08-2022	THU				
05-08-2022	FRI				
06-08-2022	SAT				
07-08-2022	SUN				
08-08-2022	MON				
09-08-2022	TUE				
10-08-2022	WED	REOPEN:UG V, VII SEM			
11-08-2022	THU				
12-08-2022	FRI				
13-08-2022	SAT				
14-08-2022	SUN				
15-08-2022	MON	*INDEPENDENCE DAY*			
16-08-2022	TUE				
17-08-2022	WED				
18-08-2022	THU				
19-08-2022	FRI				
20-08-2022	SAT				
21-08-2022	SUN				
22-08-2022	MON	REOPEN:UG III SEM			
23-08-2022	TUE				
24-08-2022	WED				
25-08-2022	THU				
26-08-2022	FRI				
27-08-2022	SAT				
28-08-2022	SUN				
29-08-2022	MON				National Sports Day
30-08-2022	TUE				
31-08-2022	WED				

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2021 - 2022 - EVEN SEMESTER

Date	Day	Jul-22	Sr. Yr	I Yr	Remarks	Date	Day	Aug-22	Sr. Yr	I Yr	Remarks
01-07-2022	FRI			D73	CIA-III	01-08-2022	MON				
02-07-2022	SAT			D74	*Thursday Order*	02-08-2022	TUE				
03-07-2022	SUN					03-08-2022	WED				
04-07-2022	MON	*Last Working Day*		D75	*Result Analysis Meeting - III*	04-08-2022	THU				
05-07-2022	TUE			D76		05-08-2022	FRI				
06-07-2022	WED			D77	*PRACTICAL EXAM STARTS*	06-08-2022	SAT				
07-07-2022	THU			D78		07-08-2022	SUN				
08-07-2022	FRI			D79		08-08-2022	MON				
09-07-2022	SAT			D80		09-08-2022	TUE				
10-07-2022	SUN					10-08-2022	WED	REOPEN:UG V, VII SEM			
11-07-2022	MON			D81	Model Exam I	11-08-2022	THU				
12-07-2022	TUE			D82	Model Exam I	12-08-2022	FRI				
13-07-2022	WED			D83	Model Exam I	13-08-2022	SAT				
14-07-2022	THU			D84	Model Exam I	14-08-2022	SUN				
15-07-2022	FRI			D85	Model Exam I	15-08-2022	MON	*INDEPENDENCE DAY*			
16-07-2022	SAT			D86	Model Exam I	16-08-2022	TUE				
17-07-2022	SUN					17-08-2022	WED				
18-07-2022	MON	*Model Result Analysis Meeting*			*THEORY EXAM STARTS*	18-08-2022	THU				
19-07-2022	TUE					19-08-2022	FRI				
20-07-2022	WED					20-08-2022	SAT				
21-07-2022	THU					21-08-2022	SUN				
22-07-2022	FRI					22-08-2022	MON	REOPEN:UG III SEM			
23-07-2022	SAT					23-08-2022	TUE				
24-07-2022	SUN					24-08-2022	WED				
25-07-2022	MON					25-08-2022	THU				
26-07-2022	TUE					26-08-2022	FRI				
27-07-2022	WED					27-08-2022	SAT				
28-07-2022	THU					28-08-2022	SUN				
29-07-2022	FRI					29-08-2022	MON				National Sports Day
30-07-2022	SAT					30-08-2022	TUE				
31-07-2022	SUN					31-08-2022	WED				

Dr.G.Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Aug-22	Sr. Yr	II Yr	I Yr
01-08-2022	MON	**INTERNSHIP STARTS**			
02-08-2022	TUE				
03-08-2022	WED				
04-08-2022	THU				
05-08-2022	FRI				
06-08-2022	SAT				
07-08-2022	SUN	**HOLIDAY**			
08-08-2022	MON				
09-08-2022	TUE	***MUHARRAM***			
10-08-2022	WED	**REOPEN:UG V, VII SEM :: PARENSTS MEETING - I**	D1		
11-08-2022	THU		D2		
12-08-2022	FRI		D3		
13-08-2022	SAT				
14-08-2022	SUN	**HOLIDAY**			
15-08-2022	MON	***INDEPENDENCE DAY - EEE, S&H***			
16-08-2022	TUE	**INTERNSHIP ENDS**	D4		
17-08-2022	WED		D5		
18-08-2022	THU		D6		
19-08-2022	FRI	***KRISHNA JAYANTHI***			
20-08-2022	SAT	***MONDAY ORDER***	D7		
21-08-2022	SUN	**HOLIDAY**			
22-08-2022	MON	**REOPEN:UG III SEM**	D8	D1	
23-08-2022	TUE		D9	D2	
24-08-2022	WED		D10	D3	
25-08-2022	THU	**WORLD WATER DAY - AGRI**	D11	D4	
26-08-2022	FRI	**MENTOR MEETING** **Entrepreneurship And Innovation Awareness Programme - Mech**	D12	D5	
27-08-2022	SAT				
28-08-2022	SUN	**HOLIDAY**			
29-08-2022	MON		D13	D6	
30-08-2022	TUE		D14	D7	
31-08-2022	WED	***VINAYAKAR CHATHURTHI***			

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Sep-22	Sr. Yr	II Yr	I Yr
01-09-2022	THU	FRESHER'S DAY	D15	D8	
02-09-2022	FRI	MENTOR MEETING	D16	D9	
03-09-2022	SAT	*FRIDAY ORDER*	D17	D10	
04-09-2022	SUN	HOLIDAY			
05-09-2022	MON	TEACHER'S DAY - MBA	D18	D11	
06-09-2022	TUE		D19	D12	
07-09-2022	WED		D20	D13	
08-09-2022	THU	CIA -I - V, VII SEM QUESTION PAPER SUBMISSION	D21	D14	
09-09-2022	FRI	MENTOR MEETING	D22	D15	
10-09-2022	SAT				
11-09-2022	SUN	HOLIDAY			
12-09-2022	MON	CIA -I - V, VII SEM STARTS	D23	D16	
13-09-2022	TUE	DAY OF PROGRAMMER - CSE	D24	D17	
14-09-2022	WED		D25	D18	
15-09-2022	THU	ENGINEER'S DAY - AGRI , S&H	D26	D19	
16-09-2022	FRI		D27	D20	
17-09-2022	SAT	*WEDNESDAY ORDER* / CIA -I - V, VII SEM ENDS	D28	D21	
18-09-2022	SUN	HOLIDAY			
19-09-2022	MON	CIA - I -RESULT ANALYSIS MEETING	D29	D22	
20-09-2022	TUE		D30	D23	
21-09-2022	WED		D31	D24	
22-09-2022	THU	CLASS COMMITTEE MEETING - I	D32	D25	
23-09-2022	FRI	MENTOR MEETING / CCM- I	D33	D26	
24-09-2022	SAT				
25-09-2022	SUN	HOLIDAY			
26-09-2022	MON		D34	D27	
27-09-2022	TUE	INTERNATIONAI LITERACY DAY -IT	D35	D28	
28-09-2022	WED		D36	D29	
29-09-2022	THU		D37	D30	
30-09-2022	FRI	MENTOR MEETING	D38	D31	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Oct-22	Sr. Yr	II Yr	I Yr
01-10-2022	SAT	NATIONAL VOLUNTARY BLOOD DONATION DAY - S&H			
02-10-2022	SUN	*GANDHI JAYANTI - IT, S&H*			
03-10-2022	MON		D39	D32	
04-10-2022	TUE	*AYUTHA POOJA*			
05-10-2022	WED	*VIJAYADASAMI*			
06-10-2022	THU	CIA -II - V, VII SEM QUESTION PAPER SUBMISSION	D40	D33	
07-10-2022	FRI	MENTOR MEETING	D41	D34	
08-10-2022	SAT				
09-10-2022	SUN	HOLIDAY - MILAD-UN-NABI			
10-10-2022	MON	CIA - I - III SEM STARTS	D42	D35	
11-10-2022	TUE	NATIONAL GIRL CHILD DAY-ECE, S&H	D43	D36	
12-10-2022	WED		D44	D37	
13-10-2022	THU		D45	D38	
14-10-2022	FRI		D46	D39	
15-10-2022	SAT	WORLD STUDENT'S DAY - APJ - CSE, S&H/ CIA -I - III SEM ENDS / *TUESDAY ORDER*	D47	D40	
16-10-2022	SUN	HOLIDAY			
17-10-2022	MON	CIA - I -III SEM -RESULT ANALYSIS MEETING	D48	D41	
18-10-2022	TUE		D49	D42	
19-10-2022	WED		D50	D43	
20-10-2022	THU	CLASS COMMITTEE MEETING - II	D51	D44	
21-10-2022	FRI	MENTOR MEETING / CCM - II	D52	D45	
22-10-2022	SAT		D53		
23-10-2022	SUN	HOLIDAY			
24-10-2022	MON	*DEEPAVALI*			
25-10-2022	TUE		D54	D46	
26-10-2022	WED	CIA - II - V, VII SEM STARTS	D55	D47	
27-10-2022	THU		D56	D48	
28-10-2022	FRI	MENTOR MEETING / CIA -II - V, VII SEM ENDS	D57	D49	
29-10-2022	SAT	*WEDNESDAY ORDER*	D58	D50	
30-10-2022	SUN	HOLIDAY			
31-10-2022	MON		D59	D51	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Nov-22	Sr. Yr	II Yr	I Yr
01-11-2022	TUE	CIA - 2 - III SEM STARTS	D60	D52	
02-11-2022	WED		D61	D53	
03-11-2022	THU		D62	D54	
04-11-2022	FRI	MENTOR MEETING	D63	D55	
05-11-2022	SAT	*MONDAY ORDER*	D64	D56	
06-11-2022	SUN	HOLIDAY			
07-11-2022	MON		D65	D57	
08-11-2022	TUE		D66	D58	
09-11-2022	WED	NATIONAL ENTREPRENEURSHIP DAY - MECH, S&H	D67	D59	
10-11-2022	THU	CIA -III - QUESTION PAPER SUBMISSION	D68	D60	
11-11-2022	FRI	MENTOR MEETING	D69	D61	
12-11-2022	SAT	*TUESDAY ORDER*	D70	D62	
13-11-2022	SUN	HOLIDAY			
14-11-2022	MON	CIA - III - V, VII SEM STARTS / INDUCTION PROGRAMME	D71	D63	D1
15-11-2022	TUE		D72	D64	D2
16-11-2022	WED		D73	D65	D3
17-11-2022	THU		D74	D66	D4
18-11-2022	FRI		D75	D67	D5
19-11-2022	SAT	CIA - III - V, VII SEM ENDS / *WEDNESDAY ORDER*	D76	D68	D6
20-11-2022	SUN	HOLIDAY			
21-11-2022	MON	PRACTICAL EXAM STARTS / FEEDBACK REPORT	D77	D69	D7
22-11-2022	TUE	CIA - III -RESULT ANALYSIS MEETING	D78	D70	D8
23-11-2022	WED		D79	D71	D9
24-11-2022	THU		D80	D72	D10
25-11-2022	FRI		D81	D73	D11
26-11-2022	SAT	NSS AWARENESS CAMP - MECH, S&H / WEDNESDAY ORDER	D82	D74	D12
27-11-2022	SUN	HOLIDAY			
28-11-2022	MON	CLASSES START : UG I SEM	D83	D75	D13
29-11-2022	TUE		D84	D76	D14
30-11-2022	WED		D85	D77	D15

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Dec-22	Sr. Yr	II Yr	I Yr
01-12-2022	THU		D86	D78	D16
02-12-2022	FRI	**NATIONAL POLLUTION CONTROL DAY**	D87	D79	D17
03-12-2022	SAT	**LAST WORKING DAY:UG V, VII SEM / FRIDAY *ORDER***	D88	D80	D18
04-12-2022	SUN	**HOLIDAY**			
05-12-2022	MON			D81	D19
06-12-2022	TUE			D82	D20
07-12-2022	WED			D83	D21
08-12-2022	THU			D84	D22
09-12-2022	FRI			D85	D23
10-12-2022	SAT				
11-12-2022	SUN	**HOLIDAY**			
12-12-2022	MON	***VALUE ADDED COURSE STARTS - V, VII SEM***		D86	D24
13-12-2022	TUE			D87	D25
14-12-2022	WED			D88	D26
15-12-2022	THU			D89	D27
16-12-2022	FRI			D90	D28
17-12-2022	SAT				
18-12-2022	SUN	**HOLIDAY**			
19-12-2022	MON	**S&H- WORKSHOP**		D91	D29
20-12-2022	TUE			D92	D30
21-12-2022	WED			D93	D31
22-12-2022	THU	**NATIONAL MATHEMATICS DAY S&H, MBA**		D94	D32
23-12-2022	FRI			D95	D33
24-12-2022	SAT	***VALUE ADDED COURSE ENDS - V, VII SEM***			
25-12-2022	SUN	**CHRISTMAS HOLIDAY**			
26-12-2022	MON	**CIA - 1- I SEM STARTS**		D96	D34
27-12-2022	TUE	**LAST WORKING DAY:UG III SEM /**		D97	D35
28-12-2022	WED				D36
29-12-2022	THU	**THEORY EXAM STARTS - V, VII SEM**			D37
30-12-2022	FRI	**CIA - 1 - I SEM ENDS**			D38
31-12-2022	SAT				

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Jan-23	Sr. Yr	II Yr	I. Yr
01-01-2023	SUN	**HOLIDAY**			
02-01-2023	MON				D39
03-01-2023	TUE	**CIA - 1 -I SEM RESULT ANALYSIS MEETING**			D40
04-01-2023	WED				D41
05-01-2023	THU				D42
06-01-2023	FRI				D43
07-01-2023	SAT				
08-01-2023	SUN	**HOLIDAY**			
09-01-2023	MON				D44
10-01-2023	TUE				D45
11-01-2023	WED				D46
12-01-2023	THU				D47
13-01-2023	FRI				D48
14-01-2023	SAT	***PONGAL***			
15-01-2023	SUN	**HOLIDAY**			
16-01-2023	MON	***PONGAL***			
17-01-2023	TUE	***PONGAL***			
18-01-2023	WED				D49
19-01-2023	THU				D50
20-01-2023	FRI				D51
21-01-2023	SAT				
22-01-2023	SUN	**HOLIDAY**			
23-01-2023	MON	**Azadi Ka Amrit Mahotsav - Freedom Struggle - S&H**			D52
24-01-2023	TUE				D53
25-01-2023	WED				D54
26-01-2023	THU	***REPUBLIC DAY*** ***Azadi Ka Amrit Mahotsav - Atmanirbhar Bharat - S&H***			
27-01-2023	FRI	**Internship Starts**			D55
28-01-2023	SAT				
29-01-2023	SUN	**HOLIDAY**			
30-01-2023	MON	**Azadi Ka Amrit Mahotsav - Swachhta - S&H**			D56
31-01-2023	TUE				D57

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Feb-23	Sr. Yr		I. Yr
01-02-2023	WED	CIA - 2- I SEM STARTS			D58
02-02-2023	THU				D59
03-02-2023	FRI				D60
04-02-2023	SAT	Internship Ends			
05-02-2023	SUN	HOLIDAY			
06-02-2023	MON				D61
07-02-2023	TUE	CIA - 2- I SEM ENDS			D62
08-02-2023	WED				D63
09-02-2023	THU	CIA - 2 -I SEM RESULT ANALYSIS MEETING			D64
10-02-2023	FRI				D65
11-02-2023	SAT	*Monday Order*			
12-02-2023	SUN	HOLIDAY			
13-02-2023	MON	World Day For Social Justice, Employee Legal Awarness Day - MBA & S&H			D66
14-02-2023	TUE				D67
15-02-2023	WED				D68
16-02-2023	THU				D69
17-02-2023	FRI				D70
18-02-2023	SAT				
19-02-2023	SUN	HOLIDAY			
20-02-2023	MON				D71
21-02-2023	TUE	Azadi Ka Amrit Mahotsav - Languages (Bhasha) of India - CSE			D72
22-02-2023	WED	National Science Day- S&H & MECH			D73
23-02-2023	THU				D74
24-02-2023	FRI				D75
25-02-2023	SAT				
26-02-2023	SUN	HOLIDAY			
27-02-2023	MON	World Sustainable Day - EEE Azadi Ka Amrit Mahotsav - Sustainable Development Under the Concept of Life - EEE & AGRI			D76
28-02-2023	TUE				D77

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - ODD SEMESTER

Date	Day	Mar-23	Sr. Yr		I. Yr
01-03-2023	WED				D78
02-03-2023	THU				D79
03-03-2023	FRI				D80
04-03-2023	SAT				D81
05-03-2023	SUN	**HOLIDAY**			
06-03-2023	MON	**MODEL 1- I SEM STARTS**			D82
07-03-2023	TUE				D83
08-03-2023	WED				D84
09-03-2023	THU				D85
10-03-2023	FRI	**MODEL 1- I SEM ENDS**			D86
11-03-2023	SAT				
12-03-2023	SUN	**HOLIDAY**			
13-03-2023	MON				D87
14-03-2023	TUE	**MOEL 1 -I SEM RESULT ANALYSIS MEETING**			D88
15-03-2023	WED				D89
16-03-2023	THU				D90
17-03-2023	FRI	*IGNITE'23*			D91
18-03-2023	SAT	***Monday Order***			
19-03-2023	SUN	**HOLIDAY**			
20-03-2023	MON				D92
21-03-2023	TUE				D93
22-03-2023	WED	***TELUGU NEW YEAR***			
23-03-2023	THU	**Last Working Day :: UG I SEM :: Feedback Report**			D94
24-03-2023	FRI				
25-03-2023	SAT	**Practical Exam Starts :: UG I Sem**			
26-03-2023	SUN	**HOLIDAY**			
27-03-2023	MON				
28-03-2023	TUE				
29-03-2023	WED				
30-03-2023	THU				
31-03-2023	FRI	*SYPOSIUM*			

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - EVEN SEMESTER

Date	Day	Feb-23	Sr. Yr	I. Yr
01-02-2023	WED			D58
02-02-2023	THU			D59
03-02-2023	FRI			D60
04-02-2023	SAT	**Internship Ends**		
05-02-2023	SUN	**HOLIDAY**		
06-02-2023	MON	**Reopen :UG IV, VI, VIII SEM**	D1	D61
07-02-2023	TUE		D2	D62
08-02-2023	WED		D3	D63
09-02-2023	THU		D4	D64
10-02-2023	FRI		D5	D65
11-02-2023	SAT	***Monday Order***	D6	
12-02-2023	SUN	**HOLIDAY**		
13-02-2023	MON	**World Day For Social Justice, Employee Legal Awarness Day - MBA & S&H**	D7	D66
14-02-2023	TUE		D8	D67
15-02-2023	WED		D9	D68
16-02-2023	THU		D10	D69
17-02-2023	FRI		D11	D70
18-02-2023	SAT	***Tuesday Order***	D12	
19-02-2023	SUN	**HOLIDAY**		
20-02-2023	MON		D13	D71
21-02-2023	TUE	**Azadi Ka Amrit Mahotsav - Languages (Bhasha) of India - CSE**	D14	D72
22-02-2023	WED	**National Science Day- S&H & MECH**	D15	D73
23-02-2023	THU	**Class Committee Meeting - I**	D16	D74
24-02-2023	FRI		D17	D75
25-02-2023	SAT	***Wednesday Order***	D18	
26-02-2023	SUN	**HOLIDAY**		
27-02-2023	MON	**World Sustainable Day - EEE** **Azadi Ka Amrit Mahotsav - Sustainable Development Under the Concept of Life - EEE & AGRI**	D19	D76
28-02-2023	TUE		D20	D77

Dr. G. Balakrishnan, M.E., [illegible]
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - EVEN SEMESTER

Date	Day	Mar-23	Sr. Yr	I. Yr
01-03-2023	WED		D21	D78
02-03-2023	THU		D22	D79
03-03-2023	FRI	CIA -I - Question Paper Submission	D23	D80
04-03-2023	SAT	***Thursday Order***	D24	D81
05-03-2023	SUN	**HOLIDAY**		
06-03-2023	MON	CIA -I - IV, VI, VIII Sem Starts	D25	D82
07-03-2023	TUE		D26	D83
08-03-2023	WED	Women's Day - CSE & ECE Azadi Ka Amrit Mahotsav - Empowerment of Women and Children - ECE	D27	D84
09-03-2023	THU		D28	D85
10-03-2023	FRI		D29	D86
11-03-2023	SAT	*CIA -I - IV, VI, VIII SEM ENDS* ***Friday Order***	D30	
12-03-2023	SUN	**HOLIDAY**		
13-03-2023	MON	CIA - I -Result Analysis Meeting	D31	D87
14-03-2023	TUE		D32	D88
15-03-2023	WED		D33	D89
16-03-2023	THU		D34	D90
17-03-2023	FRI	*IGNITE'23*	D35	D91
18-03-2023	SAT	***Monday Order***	D36	
19-03-2023	SUN	**HOLIDAY**		
20-03-2023	MON		D37	D92
21-03-2023	TUE		D38	D93
22-03-2023	WED	***TELUGU NEW YEAR***		
23-03-2023	THU	Last Working Day :: UG I SEM :: Feedback Report	D39	D94
24-03-2023	FRI		D40	
25-03-2023	SAT	Practical Exam Starts :: UG I Sem ***Tuesday Order***	D41	
26-03-2023	SUN	**HOLIDAY**		
27-03-2023	MON	World IPR Day - EEE & S&H	D42	
28-03-2023	TUE	CIA -II - Question Paper Submission	D43	
29-03-2023	WED		D44	
30-03-2023	THU	Class Committee Meeting - II	D45	
31-03-2023	FRI	*SYPOSIUM*	D46	

Dr. G. Balakrishnan, M.E., ...
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - EVEN SEMESTER

Date	Day	Apr-23	Sr. Yr	I. Yr
01-04-2023	SAT	***Wednesday Order***	D47	
02-04-2023	SUN	**HOLIDAY**		
03-04-2023	MON	**CIA -II - IV, VI, VIII Sem Starts**	D48	
04-04-2023	TUE		D49	
05-04-2023	WED	**Theory Exam Starts :: UG I Sem**	D50	
06-04-2023	THU		D51	
07-04-2023	FRI	***GOOD FRIDAY***		
08-04-2023	SAT	**CIA -II - IV, VI, VIII Sem Ends**		
09-04-2023	SUN	**HOLIDAY**		
10-04-2023	MON	**CIA - II -Result Analysis Meeting**	D52	
11-04-2023	TUE		D53	
12-04-2023	WED		D54	
13-04-2023	THU		D55	
14-04-2023	FRI	***TAMIL NEW YEAR***		
15-04-2023	SAT			
16-04-2023	SUN	**HOLIDAY**		
17-04-2023	MON		D56	
18-04-2023	TUE		D57	
19-04-2023	WED		D58	
20-04-2023	THU		D59	
21-04-2023	FRI		D60	
22-04-2023	SAT			
23-04-2023	SUN	**HOLIDAY**		
24-04-2023	MON		D61	
25-04-2023	TUE		D62	
26-04-2023	WED		D63	
27-04-2023	THU	**CIA -III - Question Submission**	D64	
28-04-2023	FRI		D65	
29-04-2023	SAT	***Thursday Order***	D66	
30-04-2023	SUN	**HOLIDAY**		

Dr. G. Balak... Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - EVEN SEMESTER

Date	Day	May-23	Sr. Yr	I. Yr
01-05-2023	MON	*MAY DAY*		
02-05-2023	TUE	CIA -III - IV, VI, VIII Sem Starts	D67	
03-05-2023	WED	*RAMZAN*		
04-05-2023	THU		D68	
05-05-2023	FRI		D69	
06-05-2023	SAT	*Friday Order*	D70	
07-05-2023	SUN	HOLIDAY		
08-05-2023	MON		D71	
09-05-2023	TUE		D72	
10-05-2023	WED	CIA -III - IV, VI, VIII Sem Ends Reopen :UG II SEM	D73	D1
11-05-2023	THU	National Technology Day- AGRI & S&H	D74	D2
12-05-2023	FRI	Last Working Day :: UG VIII SEM :: Feedback Report	D75	D3
13-05-2023	SAT	CIA -III - Result Analysis *Friday Order*		D4
14-05-2023	SUN	HOLIDAY		
15-05-2023	MON	Practical Exam Starts :: UG VIII Sem		D5
16-05-2023	TUE	*ANNUAL DAY*		D6
17-05-2023	WED	*FAREWELL* World Telecommunication Day - ECE		D7
18-05-2023	THU			D8
19-05-2023	FRI			D9
20-05-2023	SAT	*5th INTERNATIONAL CONFERENCE* *Monday Order*		D10
21-05-2023	SUN	HOLIDAY		
22-05-2023	MON			D11
23-05-2023	TUE			D12
24-05-2023	WED	Last Working Day :: UG IV, VI SEM :: Feedback Report		D13
25-05-2023	THU	Stress Management - S&H		D14
26-05-2023	FRI	Practical Exam Starts :: UG VI, VI, VIII Sem Theory Exam Starts :: UG VIII Sem UNIT TEST - I - II Sem Question Paper Submission		D15
27-05-2023	SAT	*Tuesday Order*		D16
28-05-2023	SUN	HOLIDAY		
29-05-2023	MON	UNIT TEST - I		D17
30-05-2023	TUE	UNIT TEST - I		D18
31-05-2023	WED	UNIT TEST - I		D19

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - EVEN SEMESTER

Date	Day	Jun-23	Sr. Yr	I. Yr
01-06-2023	THU	Azadi Ka Amrit Mahotsav - Health and Wellness - ECE		D20
02-06-2023	FRI	UNIT I Result Analysis		D21
03-06-2023	SAT			D22
04-06-2023	SUN	HOLIDAY		
05-06-2023	MON	Theory Exam Starts :: UG IV, VI Sem		D23
06-06-2023	TUE			D24
07-06-2023	WED			D25
08-06-2023	THU	UNIT TEST - II - II Sem Question Paper Submission		D26
09-06-2023	FRI			D27
10-06-2023	SAT			D28
11-06-2023	SUN	HOLIDAY		
12-06-2023	MON	UNIT TEST - II		D29
13-06-2023	TUE	UNIT TEST - II		D30
14-06-2023	WED	UNIT TEST - II		D31
15-06-2023	THU	World Elder Abuse Awareness Day- S&H		D32
16-06-2023	FRI			D33
17-06-2023	SAT			D34
18-06-2023	SUN	HOLIDAY		
19-06-2023	MON	*Value Added Course Starts* UNIT II Result Analysis		D35
20-06-2023	TUE			D36
21-06-2023	WED	International Yoga Day- IT & S&H		D37
22-06-2023	THU			D38
23-06-2023	FRI			D39
24-06-2023	SAT			D40
25-06-2023	SUN	HOLIDAY		
26-06-2023	MON	Parents Meet :: CSE, EEE, AI&DS - II SEM		D41
27-06-2023	TUE			D42
28-06-2023	WED	Model Exam I- II Sem Question Paper Submission		D43
29-06-2023	THU	*BAKRID*		
30-06-2023	FRI			D44

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - EVEN SEMESTER

Date	Day	Jul-23	Sr. Yr	I. Yr
01-07-2023	SAT			D45
02-07-2023	SUN	HOLIDAY		
03-07-2023	MON	Model Exam I		D46
04-07-2023	TUE	Model Exam I		D47
05-07-2023	WED	Model Exam I		D48
06-07-2023	THU	Model Exam I		D49
07-07-2023	FRI	Model Exam I		D50
08-07-2023	SAT	Model Exam I		D51
09-07-2023	SUN	HOLIDAY		
10-07-2023	MON	Model Exam I - Result Analysis		D52
11-07-2023	TUE			D53
12-07-2023	WED			D54
13-07-2023	THU			D55
14-07-2023	FRI			D56
15-07-2023	SAT			D57
16-07-2023	SUN	HOLIDAY		
17-07-2023	MON	UNIT TEST - IV - II Sem Question Paper Submission		D58
18-07-2023	TUE			D59
19-07-2023	WED	UNIT TEST - IV		D60
20-07-2023	THU	UNIT TEST - IV		D61
21-07-2023	FRI	UNIT TEST - IV		D62
22-07-2023	SAT			D63
23-07-2023	SUN	HOLIDAY		
24-07-2023	MON	UNIT IV Result Analysis		D64
25-07-2023	TUE			D65
26-07-2023	WED			D66
27-07-2023	THU	Model Exam II - II Sem Question Paper Submission		D67
28-07-2023	FRI	Parents Meet :: IT, MECH, AGRI - II SEM		D68
29-07-2023	SAT	*MUHARRAM*		
30-07-2023	SUN	HOLIDAY		
31-07-2023	MON	Model Exam II		D69

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

ACADEMIC CALENDAR 2022 - 2023 - EVEN SEMESTER

Date	Day	Aug-23	Sr. Yr	I. Yr
01-08-2023	TUE	Model Exam II		D70
02-08-2023	WED	Model Exam II		D71
03-08-2023	THU	Model Exam II		D72
04-08-2023	FRI	Model Exam II		D73
05-08-2023	SAT	*Monday Order* Model Exam II		D74
06-08-2023	SUN	HOLIDAY		
07-08-2023	MON	Last Working Day :: UG II SEM :: Feedback Report		D75
08-08-2023	TUE	Model Exam II Result Analysis		
09-08-2023	WED	Practical Exam Starts :: UG II , PG IV Sem		
10-08-2023	THU			
11-08-2023	FRI			
12-08-2023	SAT			
13-08-2023	SUN	HOLIDAY		
14-08-2023	MON			
15-08-2023	TUE			
16-08-2023	WED			
17-08-2023	THU			
18-08-2023	FRI			
19-08-2023	SAT			
20-08-2023	SUN	HOLIDAY		
21-08-2023	MON	Theory Exam Starts :: UG II Sem		
22-08-2023	TUE			
23-08-2023	WED			
24-08-2023	THU			
25-08-2023	FRI			
26-08-2023	SAT			
27-08-2023	SUN	HOLIDAY		
28-08-2023	MON			
29-08-2023	TUE			
30-08-2023	WED			

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)
2.5.1.

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Circular of Internal Assessment Test

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

IGCE/EXAMCELL/IA/2022-23/ODD/003

27-02-2023

Circular for Internal Assessment Test - I (Higher Semester) - 2022-23

This is to inform you that the Internal Assessment Test - I for II, III & IV year will be Conducted from 06-03-2023 to 13.03-2023.The schedule is given below.

Time: 09.15 am to 11.15 am

S.No.	Date	Day	Subject code & Name
1	06.03.2023	Monday	Refer the Enclosed time table
2	07.03.2023	Tuesday	
3	08.03.2023	Wednesday	
4	09.03.2023	Thursday	
5	10.03.2023	Friday	
6	13.03.2023	Monday	

The concern subject Faculty members are asked to submit their two set of question papers as per question template on or before 02-03-2023 and also send the soft copy to Exam cell mail id.

M. Bhuvaneswari 27/2/23
Exam cell coordinator

27/2/23
Principal

Copy to:

1 .The director for favour of kind information

2. The Principal (file copy)

3. All HoDs: Request to circulate among their faculty members

4. Exam cell file

5. Notice board

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

Internal Assessment Test - I Time Table (Higher Semester) - 2022-23

S.No	Branch	YEAR	06.03.23	07.03.23	08.03.23	09.03.23	10.03.23	13.03.23
1	CIVIL	II						
		III	CE8601 & DSSE	CE8602&SA-II	CE8603&IE	CE8604&HE	EN8592&WWE	
		IV						
2	CSE	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	CS3401&ALG	GE3451&EVS	CS3451&OS
		III	CS8651&IP	CS8691&AI	CS8601&MC	CS8602&CD	CS8603&DS	
		IV	GE8076&PE	CS8080&IRT				
3	EEE	II	EE3404&MPMC	EE3405&EM II	EE3401&TD	EE3403&MI	GE3451&EVS	EE3402&LIC
		III	EE8601&SSD	EE8602&PSG	EE8691&ES	EE8005&SEM	EE8002&DEA	
		IV	EE8015&EEG	EE8018&MCB				
4	ECE	II	EC3452&EMF	EC3401&NS	EC3491&CS	EC3451&LIC	GE3451&EVS	EC3492&DSP
		III	MG8591&POM	EC8651&TLRF	EC8691&MPMC	EC8652&WC	EC8095&VLSI	
		IV	GE8076&PE	EC8094&SATCOM				
5	MECH	II	ME3491&TOM	ME3451 &TE	ME3493 &MT-II	ME3492&H&P	GE3451&EVS	CE3491&SM
		III	ME8651&DTS	ME8691&CAD/CAM	ME8693& HMT	ME8692&FEA	ME8694&HP	
		IV	MG8591&POM	ME8094&CIM				
6	AGRI	II	AI3401&TES	AI3402&SWC	AI3403&SOM	CE3691&HWE	GE3451&EVS	ME3391&TD
		III						
		IV						
7	AI&DS	II	MA3391&PS	AL3452&OS	AL3451&ML	AD3491&FDS	GE3451&EVS	CS3591&CN
		III						
		IV						
8	IT	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	IT3491&WE	GE3451&EVS	CS3451&OS
		III	IT8601&CI	CS8592&OOAD	IT8602&MC	CS8091&BDA	CS8092&CGM	
		IV	GE8076&PE	CS8080&IRT				

M. Bhuvaneswari 27/02/23
Exam cell Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

27/2
Principal

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

IGCE/EXAMCELL/IA/2022-23/ODD/005

07-04-2023

Circular for Internal Assessment Test - II (Higher Semester) - 2022-23

This is to inform you that the Internal Assessment Test - I for II, III & IV year will be Conducted from 17-04-2023 to 24-04-2023.The schedule is given below.

Time: 02.00 pm to 03.30 pm

S.No.	Date	Day	Subject code & Name
1	17.04.2023	Monday	Refer the Enclosed time table
2	18.04.2023	Tuesday	
3	19.04.2023	Wednesday	
4	20.04.2023	Thursday	
5	21.04.2023	Friday	
6	24.04.2023	Monday	

The concern subject Faculty members are asked to submit their two set of question papers as per question template on or before 12-04-2023 and also send the soft copy to Exam cell mail: **examcell@igceng.com**

EXAM CELL COORDINATOR

PRINCIPAL

Copy to:

1 .The Director for favour of kind information

2. The Principal (file copy)

3. All HoDs: Request to circulate among their faculty members

4. Exam cell file

5. Notice board

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

Internal Assessment Test - II Time Table (Higher Semester) - 2022-23

S.No	Branch	YEAR	17.04.23 AN	18.04.23 AN	19.04.23 AN	20.04.23 AN	21.04.23 AN	24.04.23 AN
1	CIVIL	II						
		III	CE8601 & DSSE	CE8602&SA-II	CE8603&IE	CE8604&HE	EN8592&WWE	
		IV						
2	CSE	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	CS3401&ALG	GE3451&EVS	CS3451&OS
		III	CS8651&IP	CS8691&AI	CS8601&MC	CS8602&CD	CS8603&DS	
		IV	GE8076&PE	CS8080&IRT				
3	EEE	II	EE3404&MPMC	EE3405&EM II	EE3401&TD	EE3403&MI	GE3451&EVS	EE3402&LIC
		III	EE8601&SSD	EE8602&PSG	EE8691&ES	EE8005&SEM		
		IV	EE8015&EEG	EE8018&MCB				
4	ECE	II	EC3401&NS	EC3452&EMF	EC3491&CS	EC3451&LIC	GE3451&EVS	EC3492&DSP
		III	MG8591&POM	EC8652&WC	EC8691&MPMC	EC8651&TLRF	EC8095&VLSI	
		IV	GE8076&PE	EC8094&SATCOM				
5	MECH	II	ME3491&TOM	ME3451 &TE	CE3491&SM	ME3492&H&P	GE3451&EVS	ME3493 &MT-II
		III	ME8651&DTS	ME8691&CAD/CAM	ME8693& HMT	ME8692&FEA	ME8694&HP	
		IV	MG8591&POM	ME8094&CIM				
6	AGRI	II	AI3401&TES	AI3402&SWC	AI3403&SOM	CE3691&HWE	GE3451&EVS	ME3391&TD
		III						
		IV						
7	AI&DS	II	MA3391&PS	CS3591&CN	AL3451&ML	AD3491&FDS	GE3451&EVS	AL3452&OS
		III						
		IV						
8	IT	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	IT3491&WE	GE3451&EVS	CS3451&OS
		III	IT8601&CI	CS8592&OOAD	IT8602&MC	CS8091&BDA	CS8092&CGM	
		IV	GE8076&PE	CS8080&IRT				

EXAM CELL COORDINATOR

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Internal Assessment Test Question Paper

Register Number:

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session	12.10.2022/FN	Marks	60
Course code	AD3391	Course Title	Database Design and Management			
Regulation	2022	Duration	90 minutes	Academic Year	2022-2023	
Year	II	Semester	III	Department	AI&DS	

COURSE OUTCOMES

CO1:	Understand the database development life cycle and apply conceptual modeling.
CO2:	Apply SQL and programming in SQL to create, manipulate and query the database
CO3:	Apply the conceptual-to-relational mapping and normalization to design relational database.
CO4:	Determine the serializability of any non-serial schedule using concurrency techniques
CO5:	Apply the data model and querying in Object-relational and No-SQL databases.
CO6:	Familiar with the basic issues of transaction processing and concurrency control..

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 9 x 2 = 18 Marks)		
1	Define the tuple?	1	2
2	Define Primary key?Give example	1	3
3	Define Foreign key?	2	1
4	Why key is essential? Write the different types of keys	1	2
5	What is referential integrity?	2	1
6	Define Anomalies?	1	2
7	Define normalization?	1	3
8	Define functional Dependency?	1	1
9	Why it is necessary to decompose a relation?	2	2
	PART B (Answer all the Questions 2 x 14 = 28 Marks)		
11a	List the properties of decomposition. Explain lossless join with example	1	2
	OR		
11b	Explain the various types of Normalization?	1	3
12a	Consider the following relation R(A,B,C,D) AND FDs A->BC,IS the decomposition of R into R1(A,B,C),R2(A,D).Check if the decomposition is lossless join or not	1	1
	OR		
12b	Consider the relation R-{A,B,C,D,E,F,G,H,I,J} and the set of functional dependencies F={{A,B}->C,A->{D,E},B->F,F->{G,H},D->{I,J}} 1. What is the key for R? Demonstrate it using the inference rules. 2. Decompose R into 2NF then 3 NF relation.	1	1
	PART C (Answer all the Questions 1 x 14 = 14 Marks)		
13a	Explain DDL and DML	1	3
	OR		
13b	Explain join and its types	1	3

Course Faculty
(Name /Sign / Date) 10/10/22

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

Register Number: | | | | | | | | | | | | |

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I					
Course code	CS3352	Course Title	Foundations of Data Science		
Regulation	2021	Duration	90 minutes	Academic Year	2022 - 2023
Year	II	Semester	III	Department	CSE

COURSE OUTCOMES

CO1:	Explain the data science process and the basic concept of data science fundamentals
CO2:	Illustrate to convert the values from the normal distribution into z scores using data with tables, graphs, averages, and variability
CO3:	Examine the data to describe the relationship by examining the form, direction, and strength of the association by quantitatively and qualitatively.
CO4:	Examine the NumPy libraries to perform a wide variety of high-level mathematical functions that operate on the arrays and matrices.
CO5:	Examine the Pandas libraries for analyzing, cleaning, exploring, and manipulating data.
CO6:	Explain the visualization libraries in Python to identify patterns, trends, and outliers in large data sets along with its libraries, graphs, charts, and histogram

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	Define data science?	1	1
2	Define streaming data	1	1
3	Define outliers?	1	1
4	Define Sanity Check?	1	1
5	List the disadvantage of combining data?	1	1
6	Define Key-Value stores	1	1
7	Define frequency distribution?	2	1
8	Define Percentile Ranks	2	1
9	Explain Histogram?	2	2
10	Define Mean, Median and Mode	2	1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Describe the research goal, retrieving data and Data preparation process in Data Science	1	2
	OR		
11b	Explain the benefits, uses, and facets of data	1	2
12a	Describe the architecture of Data Warehouse	1	2
	OR		
12b	Explain the Data Exploration, data modelling, and presentation process in Data Science	1	2
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	GRE scores for a group of graduate school applicants are distributed as follows: (i) Convert to a relative frequency distribution. When calculating proportions, round numbers to two digits to the right of the decimal point. (ii) Convert to a cumulative frequency distribution. (iii) Convert to a cumulative percent frequency distribution.	2	2

GRE	725-749	700-724	675-699	650-674	625-649	600-624	575-599	550-574	525-549	500-524	475-499	Total1
f	1	3	14	30	34	42	30	27	13	4	2	200

	OR		
13b	Explain the different types of data and variables with example	2	2

Course Faculty
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

Register Number:											

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session	29/08/22/FN	Marks	50
Course code	CP4391	Course Title	SECURITY PRACTICES			
Regulation	2021	Duration	90 minutes	Academic Year	2022-2023	
Year	II	Semester	III	Department	CSE	

COURSE OUTCOMES

CO1:	To learn the core fundamentals of system and web security concepts
CO2:	To have through understanding in the security concepts related to networks
CO3:	To deploy the security essentials in IT Sector
CO4:	To be exposed to the concepts of Cyber Security and cloud security
CO5:	To perform a detailed study of Privacy and Storage security and related Issues
CO6:	To design and develop a security architecture for an organization

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	List out basic primitives of communication service interface	C1	K1
2	Define send and confirm primitives	C2	K2
3	What is mean by Access control	C1	K1
4	Define Application security	C1	K1
5	Define Cryptography	C2	K2
6	What is mean by Malicious code (Malware)?	C1	K1
7	Define Physical security?	C2	K2
8	List the various aspects in IT Security	C2	K2
9	Define Injection attack	C2	K2
10	Define Byzantine attack	C2	K2
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Explain about Security policies and variety functions of IDS	C1	K1
	OR		
11b	Explain about Types of firewalls	C1	K1
12a	Write short notes on Security management Security	C2	K2
	OR		
12b	Write short notes on control for Enforcing security Policies in Distributed System	C2	K2
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	Explain about Symmetric and Asymmetric Mutual Authentication Methods	C1	K1
	OR		
13b	Explain about Security policies and variety functions of IDS	C1	K1

Course Faculty
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session	24.10.21/FN	Marks	50
Course code	CP4152	Course Title	DATABASE PRACTICES			
Regulation	2021	Duration	90 minutes	Academic Year	2021 -2023	
Year	I	Semester	I	Department	CSE	

COURSE OUTCOMES

CO1:	Design data structures and algorithms to solve computing problems
CO2:	Choose and implement efficient data structures and apply them to solve problems
CO3:	Design algorithms using graph structure and various string-matching algorithms to solve real-life problems.
CO4:	Design one's own algorithm for an unknown problem.
CO5:	To learn and use hierarchical data structures and its operation
CO6:	Apply suitable design strategy for problem solving

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	What is entity relationship model with an example.	1	1
2	what is foreign key?give examples.	1	1
3	What is SQL injection	1	1
4	What is XPATH and XQUERY	1	1
5	Difference between xpath and xquery	1	1
6	What is active database	2	1
7	What is distributed transaction	2	1
8	What is xml schema	1	1
9	Write a note on access control	2	1
10	What is NOSQL	2	1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	What is an active database? Elaborate the event condition action model with an example.	1	1
	OR		
11b	What is XML hierarchical data model with an examples.	1	1
12a	What is XPATH and XQUERY ? Elaborate XML querying using Xpath and X query with an example.	1	1
	OR		
12b	What is SQL injection ? give example	2	1
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	What is a distributed transaction ? outline disturbed query processing with an examples.	2	1
	OR		
13b	What is NoSQL ? Describe the features of NOSQL DATABASE.	2	1

Course Faculty

(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD

(Name /Sign / Date)

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - III			**Date/Session**	**08/03/23 AN**		**Marks**	**50**
Course code	EE8602	**Course Title**	Protection & Switch Gear				
Regulation	**2017**	**Duration**	**90 minutes**		**Academic Year**		**2018-19**
Year	**2ND**	**Semester**	**III**		**Department**		**EEE**

COURSE OUTCOMES

CO1:	Ability to understand and analyze Electromagnetic and Static Relays.
CO2:	Ability to suggest suitability circuit breaker.
CO3:	Ability to find the causes of abnormal operating conditions of the apparatus and system.
CO4:	Ability to analyze the characteristics and functions of relays and protection schemes.
CO5:	Ability to study about the apparatus protection, static and numerical relays.
CO6:	Ability to acquire knowledge on functioning of circuit breaker.

Q.No.	Question	CO
	PART A **(Answer all the Questions 10 x 2 = 20 Marks)**	
1	List the basic requirement of protective relay	CO4
2	Show the different type of electromagnetic relay	CO4
3	Discuss R-X Diagram	CO4
4	In What way a distance relay is superior to over current protection of transmission line	CO4
5	Define differential relay	CO4
6	Show the merits of mho relay	CO5
7	Define under frequency relay	CO5
8	When is under frequency relay require in power system	CO5
9	which type of relay is best suited for long distance very high voltage transmission line	CO5
10	What is RRRV?	CO5
	PART B **(Answer all the Questions 2 x 10 = 20 Marks)**	
11a	Explain the Principle of working of distance relays. Describe with neat sketch the following type of relays and Indicate difference on RX diagrams and show each type	CO4
	OR	
11b	Explain the construction details & principle of operation of directional induction cup relay	CO4
12a	Describe the Principle of percentage biased differential relay with necessary diagram. also discuss it application	CO5
	OR	
12b	Describe the principle of i) Negative sequence relay (ii) under frequency relay	CO5
	PART C **(Answer all the Questions 1 x 10 = 10 Marks)**	
13a	Explain in details Merce -Price Differential relay	CO4

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number: | | | | | | | | | | | |

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

IA Exam - 1			Date/Session	29/12/2021/AN	Marks	50
Course code	CY3151	Course Title	ENGINEERING CHEMISTRY			
Regulation	2021	Duration	90 min	Academic Year	2021-2022	
Year	I	Semester	I	Department	ALL Department	

COURSE OUTCOMES

C104.1	To infer the quality of water from quality parameter data and propose suitable treatment methodologies to treat water.
C104.2	To identify and apply basic concepts of nanoscience and nanotechnology in designing the synthesis of nanomaterials for engineering and technology applications.
C104.3	To apply the knowledge of phase rule and composites for material selection requirements.
C104.4	To recommend suitable fuels for engineering processes and applications.
C104.5	To recognize different forms of energy resources
C104.6	To apply energy resources applications in energy sectors.

Q.No.	Question	CO	BTS
	PART A		
	(Answer all the Questions 9 x 2 = 18 Marks)		
1	What is sterilization?	CO1	1
2	Explain the term COD & BOD?	CO1	1
3	What is meant by break point chlorination?	CO1	1
4	Distinguish between internal conditioning and external conditioning?	CO1	1
5	Mention any two compounds that cause caustic embrittlement in boiler?	CO1	1
6	Define nano particles?	CO2	2
7	List any four nano materials?	CO2	2
8	Write the difference between bulk particles and nano particles?	CO2	2
9	What are properties of nanorodes?	CO2	2
	PART B		
	(Answer all the Questions 2 x 16= 32 Marks)		
10a	Explain with neat sketch the various steps in the treatment of water for municipal water supply?	CO1	1
	OR		
10b	(i) Discuss the process of desalination of the Brackish water by Reverse Osmosis method? (ii) What are boiler troubles and explain about the notes on scale and sludge?	CO1	1
11a	Write briefly on the size dependence properties of nanomaterials?	CO2	2
11b	(i) Write the properties and uses of Nano wires? (ii) Write a brief notes on properties and uses of nano clusters?	CO2	2

S. Boobalan

S. Boobalan

CourseFaculty

Name/Sign/Date)

S. Boobalan.

S. Boobalan.

HoD

(Name/Sign/Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number:

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I

Course code	**CS8493**	**Course Title**	**Operating System**	**Date/Session**	**12.10.2022/FN**	**Marks**	**50**
Regulation	**2017**	**Duration**	**90 minutes**	**Academic Year**	**2021-2022**		
Year	**II**	**Semester**	**III**	**Department**	**AI&DS**		

COURSE OUTCOMES

CO1:	Analyze various scheduling algorithms
CO2:	Understand deadlock, prevention and avoidance algorithms
CO3:	Compare and contrast various memory management schemes
CO4:	Understand the functionality of file systems.
CO5:	Perform administrative tasks on Linux Servers.
CO6:	Compare iOS and Android Operating Systems.

Q.No.	Question	CO	BT
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	Define operating system?	1	2
2	What is batch processing?	1	3
3	What is spooling?	2	1
4	What is tightly coupled system?	1	2
5	What is system call	2	1
6	Define Real time system?	1	2
7	What are the five major categories of system call?	1	3
8	What is dual mode operation	1	1
9	Why API need rather than system call	2	2
10	Different type of OS?	1	1
	PART B (Answer all the Questions 2 x 10 = 10 Marks)		
11a	Write about Computer System and overview of OS?	1	2
	OR		
11b	Explain Evolution of OS?	1	3
12a	Explain Multiprocessor system?	1	1
	OR		
12b	Write briefly about OS Structure?.	1	1
	PART C (Answer all the Questions 1 x 10 = 10Marks)		
13a	Explain OS Service?	1	3
	OR		
13b	Explain System Call?	1	3

Course Faculty

(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD

(Name /Sign / Date)

Register Number: | | | | | | | | | | | |

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session	20/04/22 AN	Marks	50
Course code	EE8403	Course Title	MEASUREMENTS & INSTRUMENTATION			
Regulation	2021	Duration	90 minutes	Academic Year	2020-21	
Year	2ND	Semester	IV	Department	EEE	

COURSE OUTCOMES

CO1:	To Explain the structure of power system, computation of transmission line parameters for different configurations.
CO2:	Model the transmission lines to determine the line performance and to understand the impact of Ferranti effect and corona on line performance.
CO3:	Do Mechanical design of transmission lines, grounding and to understand about the insulators in transmission system
CO4:	Design the underground cables and understand the performance analysis of underground cable
CO5:	To Explain the modeling, performance analysis and modern trends in distribution system.
CO6:	Explain the working principle, speed control methods of DC motor and estimate the performance of DC motors through various testing methodologies.

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	What is standard? What are the different types of standards?	CO3	K3
2	Define calibration.	CO3	K1
3	Give the international standards of instruments.	CO3	K2
4	What is drift?	CO3	K2
5	Define limiting errors.	CO3	K1
6	Define Range and Span.	CO3	K1
7	What are the different types of standard available?	CO3	K2
8	Draw the functional block diagram of an instrument.	CO4	K3
9	Define Gross and Random errors.	CO4	K2
10	What are the sources of error?	CO4	K3
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Explain the functional elements of measurement system with neat block diagram?	CO1	K2
	OR		
11b	Explain the static characteristics of measurement system in detail.	CO1	K2
12a	With a neat block diagram explain the construction and operating principle of digital voltmeter.	CO4	K3
	OR		
12b	Discuss the different types of standards of measurement.	CO4	K3
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	Classify and explain the different errors of measurements.	CO3	K2
	OR		
13b	Describe the functional operation of energy meter	CO3	K3

Course Faculty

(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD

(Name /Sign / Date

Register Number: | | | | | | | | | | | | |

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session	17/07/19 AN	Marks	50
Course code	EE8552	Course Title	Power Electronics			
Regulation	2017	Duration	90 minutes	Academic Year	2019-20	
Year	3ND	Semester	V	Department	EEE	

COURSE OUTCOMES

CO1:	Understand different types of power semiconductor devices, their switching characteristics and driver circuits
CO2:	Classify the various performance parameters in controlled rectifiers with different load conditions
CO3:	Analyze DC –DC switching regulators with its Commutation Techniques and apply it for real time applications like SMPS
CO4:	Explain the various pulse width modulated inverters for different loads and infer the effect of power quality disturbances over the system.
CO5:	Analyze AC voltage controllers, Matrix Converters & Cyclo converters with various loads and infer its various configurations.
CO6:	Explain the working principle in 180 degree & 120 degree mode inverter.

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	Give any two differences between single phase full converter and semi converter?	CO1	K1
2	What is meant by line commutated converter?	CO1	K2
3	Define total harmonic distortion.	CO1	K2
4	Compare half controlled and fully controlled rectifier.	CO1	K1
5	What is the effect of source impedance?	CO3	K2
6	What is the displacement factor for two pulse converter?	CO1	K2
7	Why is power factor of semi converter better than full converter?	CO2	K2
8	What is the inversion mode of rectifiers?	CO1	K2
9	What is circuit turn off time for single phase full converter?	CO1	K2
10	Define Power factor.	CO1	K1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Describe the operation of single phase two pulse bridge converter with RL load	CO1	K2
	OR		
11b	A single phase full converter is supplied from 220V, 50Hz source. The load consists of R = 12 Ω and a large inductance so as to render the load current constant. For a firing angle delay of 45°, determine i) average output voltage, ii) average output current iii) average and RMS values of thyristor currents and iv) power factor.	CO1	K3
12a	Describe the operation of three phase full bridge converter with RL load	CO4	K3
	OR		
12b	Explain the two functional modes of dual converter with waveforms	CO4	K2
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	xplain the operation of single phase half wave controlled rectifier with RL load	CO3	K2
	OR		
13b	Explain the operation of single phase half wave controlled rectifier with RL load with freewheeling diode.	CO3	K2

Course Faculty

(Name /Sign / Date)

HoD

(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number: | | | | | | | | | | | |

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

	Internal Assessment Exam - III	**Date/Session**	**08/03/23 AN**	**Marks**	**50**
Course code	**EE8301**	**Course Title**	**ELECTRICAL MACHINES – I**		
Regulation	**2017**	**Duration**	**90 minutes**	**Academic Year**	**2018-19**
Year	**2ND**	**Semester**	**III**	**Department**	**EEE**

COURSE OUTCOMES

CO1:	Ability to analyze the magnetic-circuits.
CO2:	Ability to acquire the knowledge in constructional details of transformers.
CO3:	Ability to understand the concepts of electromechanical energy conversion.
CO4:	Ability to acquire the knowledge in working principles of DC Generator.
CO5:	Ability to acquire the knowledge in working principles of DC Motor
CO6:	Ability to acquire the knowledge in various losses taking place in D.C. Machines

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	What will happen to the speed of a DC motor when its flux approaches zero?	CO4	K2
2	Mention the effects of differential compounding and cumulatively compound on the performance of DC Compound motor	CO4	K1
3	Compare lap and wave windings?	CO4	K4
4	What is the use of Inter poles in D.C machine?	CO4	K2
5	Write the E.M.F equation of generator?	CO4	K2
6	Classify the different types of DC Generators based on method of excitation?	CO5	K5
7	What are the methods to improve commutation?	CO5	K4
8	State the applications of DC Generator.	CO5	K1
9	Define back pitch and front pitch.	CO5	K1
10	Explain the significance of back emf in a DC Motor?	CO5	K2
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Explain the constructional and working principle of DC machine with its necessary emf equations.	CO4	K2
	OR		
11b	Explain the Armature Reaction in a D.C generator?	CO4	K2
12a	Explain in detail about the characteristics of DC motor with neat diagram.	CO5	K3
	OR		
12b	Describe the process of commutation in D.C machine?	CO5	K3
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	A separately excited generator when running at 1000 r.p.m supplied 200A at 125V.What will be the load current when the speed drops to 800r.p.m. If I f is unchanged? Given that armature resistance= 0.04 ohm and brus drop = 2 v .Derive the necessary equations?	CO4	K2
	OR		
13b	A 4 pole lap wound shunt generator supplies 60 lamps of 100 watts , 240 V each; the field and armature resistances are 55ohm and 0.18ohm respectively .If the brush drop is 1V for each brush.Find (i) Armature current (ii) current per path Generated emf (iv) power out put of DC machines	CO4	K3

K. Sathasivam

Course Faculty

G Malathi

HoD

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number:											

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment			Date/Session	03/10/2018/FN	Marks	100
Course code	MA8151	Course Title	Engineering Mathematics - I			
Regulation	2017	Duration	2 hrs	Academic Year	2018 - 2019	
Year	I	Semester	I	Department	All Course	

COURSE OUTCOMES

CO1:	Develop algorithmic solutions to simple computational problems.
CO2:	Develop and execute simple python programs.
CO3:	Write simple python programs using conditionals and loops for solving problems.
CO4:	Decompose a python program into functions.
CO5:	Represent compound data using python lists, tuples ,dictionaries etc.
CO6:	Read and write data from/to files in python programs.

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 9 x 2 = 18 Marks)**		
1	Prove that following integral by interpreting each in terms of areas $\int_a^b x\,dx = \frac{b^2-a^2}{2}$.	CO1	1
2	luate $\int \frac{tan\,tan\,x}{sec\,sec\,x+tan\,tan\,x}$.	CO1	1
3	Evaluate $\int \frac{x+sin\,sin\,x}{1+cos\,cos\,x}\,dx$.	CO1	1
4	If f is continuous and $\int_0^4 f(x)\,dx = 10$, find $\int_0^2 f(2x)\,dx$.	CO1	1
5	Evaluate $\int_0^\infty \frac{1}{x^2+4}\,dx$.	CO1	1
6	Evaluate $\int sin\,sin\,4x\ cos\,cos\,5x\,dx$.	CO1	1
7	Define Riemann sum.	CO1	1
8	For what values of p in the integral $\int_1^\infty \frac{1}{x^p}dx$ convergent ?	CO1	1
9	Evaluate $\int \frac{1}{\sqrt{a^2-x^2}}\,dx$ by using trigonometric substitution.	CO1	1
	PART B **(Answer all the Questions 3 x 14= 42 Marks)**		
10 a	Using integration by parts, evaluate $\int \frac{(ln\,x)^2}{x^2}\,dx$.	CO1	1
	OR		
10 b	Evaluate $\int_{\frac{\pi}{6}}^{\frac{\pi}{3}} cosec^3 x dx$.	CO1	1
11 a	Integrate the following fraction $\int \frac{x^4-2x^2+4x+1}{x^3-x^2-x+1}\,dx$.	CO1	1
	OR		
11 b	Integrate the following with respect to x $\int x\sqrt{1+x-x^2}\,dx$.	CO1	1
12 a	Determine whether the integral $\int_1^\infty \frac{log\,log\,x}{x^2}\,dx$ is convergent or divergent.	CO1	1
	OR		
12 b	i) Integrate the following $\int \frac{10}{(x-1)(x^2+9)}\,dx$. ii) Evaluate $\int \frac{2x+3}{x^2+x+1}\,dx$.	CO1	1

Course Faculty 8/10/2018
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

RegisterNumber:

INDRAGANESANCOLLEGEOFENGINEERING

IGValley, Manikandam,Tiruchirappalli, TamilNadu–620012,India

(ApprovedbyAICTE, NewDelhiandaffiliatedtoAnnaUniversity, Chennai)

InternalAssessmentExam -I			Date/Session		Marks	50
Coursecode	CP5292	CourseTitle	Internet of Things			
Regulation	2017	Duration	90 minutes	AcademicYear	2019-20	
Year	2019-20	Semester	II	Department	CSE	

COURSEOUTCOMES

CO1:	Analyze various protocols for IoT
CO2:	Develop web services to access/control IoT devices
CO3:	Design a portable IoT using Rasperry Pi
CO4:	Deploy an IoT application and connect to the cloud
CO5:	Analyze applications of IoT in real time scenario

Q.No.	Question	CO	BTS
	PARTA (Answer all the Questions10x2 =20Marks)		
1	Define IoT and how it works	1	1
2	List and explain in brief about Features of IoT.	2	1
3	Differentiate web of things and IoT.	2	1
4	Give the basic operations in IoT.	2	2
5	List out various IoT Protocol	1	1
6	Formulate the IoT maturity levels.	2	2
7	How IoT templates are classified?	2	2
8	Summarize the application of YANG.	2	2
9	List out the features of NETCONF.	2	2
10	Bring out the system management in IoT.	3	2
	PARTB (Answer all theQuestions 2x10=20Marks)		
11a	Explain the working methodology of IoT in detail	2	2
	OR		
11b	Explain physical design in detail with an example.	2	2
12a	Write about the IoT enabling technologies ii)Explain the Categories of enabling technologies in detail	2 2	2 2
	OR		
12b	Explain the hardware's neededfor preventing intrusions in smart cities	2	2
	PARTC (Answer all theQuestions 1x10=10Marks)		
13a	Analyze in Deployment templates in detail (13)	2	2
	OR		
13b	Explain Domain specific IoT with an example	2	3

B. R
D. B. Rena 24.1.20
CourseFaculty
(Name/Sign/Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

D. Thudd
HoD
(Name/Sign/Date)

RegisterNumber:

INDRA GANESAN COLLEGE OF ENGINEERING

IGValley,Manikandam,Tiruchirappalli,TamilNadu–620012,India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam-I			Date/Session	24.9.24/FN	Marks	50
Course code	CS6008	Course Title	Human Computer Interaction			
Regulation	2013	Duration	90minutes	Academic Year	2018-2019	
Year	2018	Semester	VIII	Department	CSE	

COURSEOUTCOMES

CO1:	Design effective dialog for HCI.
CO2:	Design effective HCI for individuals and persons with disabilities.
CO3:	Assess the importance of user feedback.
CO4:	Explain the HCI implications for designing multimedia/ecommerce/e-learning Websites.
CO5:	Develop meaningful user interface.
CO6:	Design effective dialog for HCI

Q.No.	Question	CO	BTS
	PART A		
	(Answer all the Questions 10x2 =20Marks)		
1	Bring out the layers of mobile ecosystem.	1	1
2	List the pros and cons of mobile game application.	2	1
3	Why JavaScript and Ajax have been ignored for web application on the mobile?	2	1
4	Define Color palettes	2	2
5	Give some examples of world largest mobile operators.	1	1
6	Identify the categories of mobile platforms.	2	2
7	Compare the various mobile application type.	2	2
8	Define application context.	2	2
9	List the disciplines of information architecture.	2	2
10	List the mobile prototyping.	3	2
	PART B		
	(Answer all the Questions 2x10=20Marks)		
11a	Describe the following a. Mobile EcoSystem b. Platforms	2	2
	OR		
11b	Appraise the types of mobile applications with examples.	2	2
12a	List and explain the elements of mobile design.	2	2
	OR		
12b	Explain briefly about mobile information architecture.	2	2
	PART C		
	(Answer all the Questions 1x10=10Marks)		
13a	Elaborate on Mobile application medium types	2	2
	OR		
13b	With neat diagram of mobile ecosystem,discuss its platforms and application frameworks	2	3

Course Faculty

(Name/Sign/Date)

CSE/HoD

(Name/Sign/Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number:											

INDRA GANESAN COLLEGE OF ENGINEERING

IGValley,Manikandam,Tiruchirappalli,TamilNadu–620012,India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam-I			Date/Session		Marks	50
Course code	CP5151	Course Title	Advanced Data Structures and algorithms			
Regulation	2017	Duration	90 minutes	AcademicYear	2018-2019	
Year	2018/I	Semester	I	Department	M.E.CSE	

COURSE OUTCOMES

CO1:	Design data structures and algorithms to solve computing problems
CO2:	Design algorithms using graph structure
CO3:	Design various string matching algorithms to solve real-life problems
CO4:	Apply suitable design strategy for problem solving
CO5:	Algorithm design techniques solved
CO6:	NP–Completeness of problem solving

Q.No.	Question	CO	BTS
	PARTA		
	(AnsweralltheQuestions10x2=20Marks)		
1	What is called as a Data Structure?	1	1
2	Differentiate between data type and data structures.	2	1
3	What is a postfix expression?.	2	1
4	What is a queue Data Structure?	2	2
5	Write an algorithm to count the nodes in a circular queue.	1	1
6	Define the terms: Infix, postfix and prefix.	2	2
7	Define Linked list and give its applications.	2	2
8	Define Full binary tree(or) Complete binary tree.	2	2
9	Define expression tree.	2	2
10	Traverse the given tree using Inorder, Preorder and Postorder traversals.	3	2
	PARTB		
	(AnswerallthQuestions2x10=20Marks)		
11a	Write the algorithm for performing operations in a stack. Trace your algorithm with suitable example.	2	2
	OR		
11b	Explain the algorithm for implementing Singly Linked list.	2	2
12a	Explain creation, insertion and deletion of doubly linked list with example.	2	2
	OR		
12b	Construct a dequeue data structure in which the following operations to be implemented.	2	2
	PARTC		
	(AnswerallthQuestions1x10=10Marks)		
13a	What is Binary search tree? Write an algorithm to add a node into a binary search tree.	2	2
	OR		
13b	Construct a minimum spanning tree using Kruskal's algorithm with your own example	2	3

Course Faculty

(Name/Sign/Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD

(Name/Sign/Date)

Register Number:

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session		Marks	50
Course code	CS8691	Course Title	ARTIFICIAL INTELLIGENCE			
Regulation	2017	Duration	90 minutes	Academic Year	2020-2021	
Year	III	Semester	VI	Department	CSE	

COURSE OUTCOMES

CO1:	Use appropriate search algorithms for any AI problem
CO2:	Represent a problem using first order and predicate logic
CO3:	Provide the apt agent strategy to solve a given problem
CO4:	Design software agents to solve a problem
CO5:	Design software agents to solve a problem
CO6:	Design applications for NLP that use Artificial Intelligence

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	What is meant by robotic agent?	1	1
2	Define an agent?	1	1
3	Define rational agent?	1	1
4	Give the general model of learning agent?	1	1
5	What is A.I?	1	1
6	How will you measure the problem-solving performance?	2	1
7	What is the application of BFS?	2	1
8	What is the power of heuristic search?	2	1
9	list some of the uninformed search techniques?	2	1
10	When is the class of problem said to be intractable?	2	1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Explain properties of environment.	1	1
	OR		
11b	Explain in detail, the structure of different intelligent agents	1	1
12a	What is an agent? Explain the basic kinds of agent program.	1	1
	OR		
12b	Discuss any 2 uninformed search methods with examples	2	1
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	Explain the A* search and give the proof of optimality of A*	2	1
	OR		
13b	Explain AO* algorithm with a suitable example. State the limitations in the algorithm?	2	1

Course Faculty
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			**Date/Session**		**Marks**	**60**
Course code	**CS8391**	**Course Title**	Data Structures			
Regulation	**2017**	**Duration**	**90 minutes**	**Academic Year**	**2019-2020**	
Year	**2020**	**Semester**	**III**	**Department**	**CSE**	

COURSE OUTCOMES

CO1:	Define linear and non-linear data structures.
CO2:	Implement abstract data types for linear data structures.
CO3:	Implement linear and non–linear data structure operations.
CO4:	Apply the different linear/non–linear data structure operations for solving a given problem.
CO5:	Apply appropriate graph algorithms for graph applications.
CO6:	Critically analyze the various sorting algorithms.

Q.No.	Question	CO	BTS
	PART A		
	(Answer all the Questions 9x 2 = 18 Marks)		
1	Define: Data Structure.	1	1
2	List out the disadvantages of Arrays.	2	1
3	List out the advantages of using a linked list.	2	1
4	Differentiate: Arrays and Linked Lists.	2	2
5	Define: Linked List.	1	1
6	List out the applications of a linked list.	2	2
7	List the various types of queues.	2	2
8	List the applications of stacks	2	2
9	List out the basic operations that can be performed on a stack.	2	2
	PART B		
	(Answer all the Questions 2 x 14 = 28 Marks)		
11a	Explain Array based implementation of elements.	2	2
	OR		
11b	Elaborate the various operations on Singly Linked List.	2	2
12a	Describe the various operations on Circularly Linked List.	2	2
	OR		
12b	Explain the Various Operations of stack using array.	2	2
	PART C		
	(Answer all the Questions 1 x 14 = 14 Marks)		
13a	Explain Polynomial manipulation in detail.	2	2
	OR		
13b	Outline, how to convert Infix to Postfix expression with an example.	2	3

Course Faculty

(Name /Sign / Date)

HoD

(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number: | | | | | | | | | | | | |

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session		Marks	50
Course code	CE8591	Course Title	FOUNDATION ENGINEERING			
Regulation	2022	Duration	90 minutes	Academic Year	2022-2023	
Year	III	Semester	V	Department	CIVIL	

COURSE OUTCOMES

CO1:	Explain the basic concept of site investigation and selection of foundation.
CO2:	Explain the basic concept of shallow foundation.
CO3:	To explain about footing.
CO4:	To illustrate about the raft foundation.
CO5:	Explain about pile foundation.
CO6:	Explain about the basic concepts of retaining wall construction.

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	Define standard penetration number.	CO1	K1
2	Write short notes on Augur boring	CO1	K1
3	Define Auger boring	CO1	K1
4	List out the various methods of site exploration?	CO1	K2
5	What are the factors influencing in depth of exploration of sub soil?	CO1	K1
6	Describe is shallow foundation.	CO2	K1
7	State the different modes of shear failure.	CO2	K1
8	List out the various components of settlement?	CO2	K2
9	What are the factors affecting bearing capacity of soil?	CO2	K2
10	Formulate the Terzaghi's equation.	CO2	K1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Discus List any two methods of site exploration and write about in detail.	CO1	K2
	OR		
11b	What are the various factors affecting quality of samples? Explain the various types of samples	CO1	K2
12a	Discuss about the Plate load test for determining the Bearing capacity of foundation and How do you estimate the settlement of a footing on sand using the results of a plate load test?	CO2	K5
	OR		
12b	Explain terzaghi's analysis of bearing capacity of soil in general shear failure with assumptions.	CO2	K5
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	Build up points on various methods of taking undisturbed samples in non-cohesive and cohesive soil.	CO1	K2
	OR		
13b	When in the field static cone penetration test is applied and explain the same in detail.	CO1	K2

Course Faculty
(Ms.J.VAISHYA / 08.08.2022)

HoD
(MrsK.Vanisri/09.08.2022)

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING
IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

IA Exam - I			Date/Session	21.01.20/FN	Marks	50
Course code	CE8603	Course Title	IRRIGATION ENGINEERING			
Regulation	2017	Duration	90 min	Academic Year	2019-20	
Year	III	Semester	VI	Department	CIVIL	

COURSE OUTCOMES

C303.1	Have knowledge and skills on crop water requirements
C303.2	Illustrate the methods and management of irrigation
C303.3	Gain knowledge on types of Impounding structures
C303.4	Derive the methods of irrigation including canal irrigation
C303.5	Get knowledge on water management on optimization of water use
C303.6	The student will possess knowledge about irrigation and canals

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	Define irrigation.	CO1	K1
2	List the advantages of irrigation.	CO1	K1
3	Name the types of irrigation	CO1	K2
4	Classify sprinkler systems	CO1	K1
5	What are the advantages of sprinkler irrigation	CO1	K2
6	Define tank irrigation	CO2	K1
7	What is Micro irrigation?	CO2	K2
8	Classify the types of canals.	CO2	K1
9	Define Net irrigation.	CO2	K1
10	Discuss the disadvantages of sub surface irrigation	CO2	K1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Define Irrigation? What are the merits and demerits of irrigation?	CO1	K2
	OR		
11b	Define consumptive use of water. Explain the Factors affecting consumptive use of Water	CO1	K2
12a	List the merits and demerits of tank irrigation.	CO2	K4
	OR		
12b	Infer the advantages and disadvantages of drip irrigation system.	CO2	K4
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	List and write a detailed note on the Experimental methods to calculate the Evapotranspiration.	CO1	K1
	OR		
13b	Explain the following terms: (i) Soil water (ii) Soil available water (iii) Water holding capacity (iv) Soil-water-plant relationship	CO1	K3

Course Faculty

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD/ CIVI

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING
IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

IA Exam - I			**Date/Session**	**20.09.21/FN**	**Marks**	**50**
Course code	**EN8591**	**Course Title**	**SURVEYING AND LEVELLING**			
Regulation	**2017**	**Duration**	**90 min**	**Academic Year**		**2021-22**
Year	**IV**	**Semester**	**III**	**Department**		**CIVIL**

COURSE OUTCOMES	
C404.1	Comprihenced of the nature and characteristics of municipal solid wastes and the regulatory requirements regarding municipal solid waste management
C404.2	Reduction, reuse and recycling of waste.
C404.3	ability to plan and design systems for storage, collection, transport, processing anddisposal of municipal solid waste.
C404.4	knowledge on the issues on solid waste management from an integrated and holistic
C404.5	perspective, as well as in the local and international context
C404.6	Design and operation of sanitary landfill

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 10 x 2 = 20 Marks)**		
1	Define waste minimization	1	K2
2	what is the purpose of onsite processing?	1	K1
3	What is the legal requirement in India regarding onsite storage and collection of MSW?	1	K2
4	What is meant by transfer station?	1	K1
5	What are the factors to be considered during onsite storage of solid wastes?	1	K1
6	Name any two disease transmitted through improper storage of MSW.	2	K2
7	What are the 4 R 's in waste hierarchy?	2	K2
8	List the various advantages of waste segregation.	2	K1
9	What are the qualities of materials used for the containers?	2	K2
10	List out the materials used for containers of municipal solid waste.	2	K1
	PART B **(Answer all the Questions 2 x 10 = 20 Marks)**		
11a	Describe possibilities in solid waste management with respect to reduction,reuse,and recovery.	1	K2
	OR		
11b	Explain briefly about the onsite storage methods	1	K2
12a	Explain different operation of onsite segregation of solid waste keeping public health in mind	2	K3
	OR		

12b	Explain the various issues related to public health and economic aspect of open storage of msw	2	K3
	PART C **(Answer all the Questions 1 x 10 = 10 Marks)**		
13a	What is the magnetic separation of solid waste? Explain process for magnetic separation. What are the factors influencing effectiveness of magnetic separation?	1	K2
	OR		
13b	Discuss strategies of source reduction, reduction, recycling and reuse of solid waste	1	K2

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Course Faculty

Name /Sign / Date)

HoD/ CIVIL

(Name /Sign / Date)

Register Number:

INDRA GANESAN COLLEGE OF ENGINEERING
IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

IA Exam - I			Date/Session	20.09.22/FN	Marks	50
Course code	CE3351	Course Title	SURVEYING AND LEVELLING			
Regulation	2021	Duration	90 min	Academic Year	2022-23	
Year	II	Semester	III	Department	AGRI	

COURSE OUTCOMES

C206.1	Introduce the rudiments of various surveying and its principles
C206.2	Imparts knowledge in computation of levels of terrain and ground features
C206.3	Imparts concepts of Theodolite Surveying for complex surveying operations
C206.4	Derive the procedure for establishing horizontal and vertical control
C206.5	Imparts the knowledge on modern surveying instruments
C206.6	The student will possess knowledge about survey field techniques

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 10 x 2 = 20 Marks)**		
1	What is the object of surveying?	1	K2
2	Define plane surveying?	1	K1
3	what is compass surveying and its Types?	1	K2
4	Define the principle of levelling?	1	K1
5	List the source and errors in levelling?	1	K1
6	What is meant by geodetic surveying?	2	K2
7	What Is Two Point Problem?	2	K2
8	Name the different ways of classification of Surveying.	2	K1
9	What are the Sources Of Local Attraction?	2	K2
10	Explain the range of reciprocal ranging.	2	K1
	PART B **(Answer all the Questions 2 x 10 = 20 Marks)**		
11a	Equipment used in chaining and ranging?	1	K2
	OR		
11b	Explain the methods of ranging?	1	K2
12a	Determine the sag correction for a 30 m steel tape under a pull of 80 N in 3 bays of 10 m each. The area of the cross section of the tape is 8 mm2 and the unit weight of steel may be taken as 77 kN/m3 .	2	K3
	OR		
12b	Explain the methods of chaining while there are obstacles such as building or river.	2	K3
	PART C **(Answer all the Questions 1 x 10 = 10 Marks)**		
13a	Explain how you will conduct chain survey to measure a land parcel in agriculture field.	1	K2
	OR		
13b	Explain the field and office work in chain surveying?	1	K2

Course Faculty
Name /Sign / Date)
VAISHNAVA-J

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session	11.09.2023& FN	Marks	50
Course code	EN 8491	Course Title	Water Supply Engineering			
Regulation	2017	Duration	90 minutes	Academic Year	2020-2021	
Year	III	Semester	V	Department	Civil	

COURSE OUTCOMES

CO1:303.1	Enumerate knowledge on identification of sources and characteristics of water.
CO2:303.2	Explain the concept in collection and conveyance of water supply system.
CO3:303.3	Design the various functional units in water treatment.
CO4:303.4	Design the various functional units in advanced water treatment.
CO5:303.5	Analysis and design of distribution networks for a water supply system.
CO6:303.6	Design and evaluate water supply project alternatives on basis of chosen criteria.

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	List the objectives of the water supply system.	C303.1	K1
2	Enumerate the components of a water supply scheme.	C303.1	K1
3	Define "Design Period".	C303.1	K1
4	What is water demand? State its types.	C303.1	K1
5	Define Per Capita Demand.	C303.1	K2
6	What is intake?	C303.2	K1
7	How to estimate storm runoff?	C303.2	K4
8	What are the sources of wastewater from a community?	C303.2	K1
9	List the factors governing the selection of a particular source of water?	C303.2	K2
10	Differentiate between rainfall and runoff.	C303.2	K2
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	The population of 5 decades from 1930 to 1970 are given below .Find out the population after one, two and three decades beyond the last known decade by arithmetic increase and geometric increase method.	C303.1	K3

Year	1930	1940	1950	1960	1970
Population	25000	28000	34000	42000	47000

	OR		
11b	In two periods of each 20 years a city has grown from 30000 to 170000 and then 300000.Determine the saturation population.	C303.1	K3
12a	Explain about river intake structures with neat sketch?	C303.2	K2
	OR		
12b	Explain about type of joints in pipes.	C303.2	K2
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	Discuss the physical, chemical and biological characteristics of water.	C303.1	K2
	OR		
13b	Explain about various types of pipes and its advantages and disadvantages?	C303.2	K1

Course Faculty
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Internal Assessment Answer Key

INDRA GANESAN COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Internel Assessment Exam-1
Answer Key
Part-1

1.A tuple, pronounced TUH-pul, is an ordered and finite list of elements in various fields of interest, including computing. The exact nature of that list depends on the context in which it is used, although the meaning is conceptually similar across disciplines

2.A primary key, also called a primary keyword, is a column in a relational database table that's distinctive for each record. It's a unique identifier, such as a driver's license number, telephone number with area code or vehicle identification number

3.A *foreign key* is a column or columns in a database that (e.g. table_1.column_a) that are linked to a column in a different table (table_2.column_b)

4.database management systems, keys play a crucial role in maintaining data integrity and facilitating efficient data retrieval

5. Data quality is any company's most valuable asset.
The purpose of this article is to provide best data quality management practices for creating database with referential integrity.

6. Anomalies are irregularities or inconsistencies that occur in a database, disrupting the normal functioning and data integrity

7. Normalization is the process of reorganizing data in a database so that it meets two basic requirements

8. functional dependency is a relationship that exists between two attributes. It typically exists between the primary key and non-key attribute within a table.

9. Decomposition is used to eliminate some of the problems of bad design like anomalies, inconsistencies, and redundancy

Part-B

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
GC Valley, Madurai Main Road,
Manikandam, Trichy-620 012.

11 a.What is Lossless Decomposition?
Lossless join decomposition is a decomposition of a relation R into relations R1, and R2 such that if we perform a natural join of relation R1 and R2, it will return the original relation R. This is effective in removing redundancy from databases while preserving the original data.
In other words by lossless decomposition, it becomes feasible to reconstruct the relation R from decomposed tables R1 and R2 by using Joins.
Advantages of Lossless Decomposition

1. **Reduced Data Redundancy:** Lossless decomposition helps in reducing the data redundancy that exists in the original relation. This helps in improving the efficiency of the database system by reducing storage requirements and improving query performance.
2. **Maintenance and Updates:** Lossless decomposition makes it easier to maintain and update the database since it allows for more granular control over the data.
3. **Improved Data Integrity:** Decomposing a relation into smaller relations can help to improve data integrity by ensuring that each relation contains only data that is relevant to that relation. This can help to reduce data inconsistencies and errors.

11 b. **irst Normal Form (1NF):** All data must be atomic, meaning that each cell in a table should contain only a single value and not a list of values.

Second Normal Form (2NF): In addition to meeting the rules of 1NF, a table must not contain any partial dependencies. A partial dependency exists when a non-primary key column depends on only part of a composite primary key.

Third Normal Form (3NF): In addition to meeting the rules of 2NF, a table must not contain any transitive dependencies. A transitive dependency exists when a non-primary key column depends on another non-primary key column.

Boyce-Codd Normal Form (BCNF): A relation is in BCNF if and only if for every one of its non-trivial functional dependencies $X \rightarrow Y$, X is a superkey.

Fourth Normal Form (4NF): A table is in 4NF if it is in BCNF and it has no multi-valued dependencies.

Fifth Normal Form (5NF): A relation is in 5NF if every non-trivial join dependency in R is implied by the candidate keys of R

12a.. R(A,B,C,D) AND FDs A->BC,IS the decomposition of R into R1(A,B,C),R2(A,D).\

12b. R(A, B, C, D, E, F, G)

Closure of (BC)* = BCEDAFG

{BC} is a key of R

Minimal cover of F is F'

F'={BC→A,BC→E,A→F,F→G,C→D}

Now decompose into BCNF,

R1(B, C, A, E), R2(A, F), R3(F,G), R4(C, D)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

13a. Data Definition Language

- DDL is used to specify a database's structure, which includes its tables, views, indexes, and constraints.
- DDL commands come in the following types: CREATE, ALTER, DROP, RENAME, and TRUNCATE.
- DDL statements only modify the database's schema; they have no direct effect on the data within the database.
- DDL declarations are irreversible and difficult to undo

Data Manipulation Language

- Inserting, updating, removing, and retrieving data from a database are all possible with DML.
- DML commands come in the following types: SELECT, INSERT, UPDATE, DELETE, and MERGE.

- DML statements have a direct impact on the database's data.
- In the event of an error, data can be recovered thanks to the reversibility of DML statements.

14Join

In DBMS, a join statement is mainly used to combine two tables based on a specified common field between them. If we talk in terms of Relational algebra, it is the cartesian product of two tables followed by the selection operation. Thus, we can execute the product and selection process on two tables using a single join statement. We can use either 'on' or 'using' clause in MySQL to apply predicates to the join queries.

A Join can be broadly divided into two types:

1. **Inner Join**
2. **Outer Join**

For all the examples, we will consider the below-mentioned employee and department table

Inner Join

Inner Join is a join that can be used to return all the values that have matching values in both the tables

1. Equi Join

Equi Join is an inner join that uses the equivalence condition for fetching the values of two tables.

2. Natural Join

Natural Join is an inner join that returns the values of the two tables on the basis of a common attribute that has the same name and domain. It does not use any comparison operator. It also removes the duplicate attribute from the results.

Outer Join

Outer Join is a join that can be used to return the records in both the tables whether it has matching records in both the tables or not.

The outer join can be further divided into three types:

1. **Left-Outer Join**
2. **Right-Outer Join**
3. **Full-Outer Join**

we'll learn about these outer joins one-by-one.

Staff Incharge

Hod/AI&DS

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

CS3352 – Foundation of Data Science
Internal Assessment 1 Test
Question with Key
Part A

1. Define data science?
   Data science is an interdisciplinary field that seeks to extract knowledge or insights from various forms of data.
2. Define streaming data
   Streaming data is data that is generated continuously by thousands of data sources, which typically send in the data records simultaneously and in small sizes (order of Kilobytes).
3. Define outliers?
   An outlier is an observation that lies an abnormal distance from other values in a random sample from a population
4. Define Sanity Check?
   A sanity check or sanity test is a basic test to quickly evaluate whether a claim or the result of a calculation can possibly be true.
5. List the disadvantage of combining data?
   Data from different sources may be stored in different formats, making it difficult to create a seamless integration. This may require additional time and resources for data cleaning and validation.
6. Define Key-Value stores
   A key-value store, or key-value database is a simple database that uses an associative array (think of a map or dictionary) as the fundamental data model where each key is associated with one and only one value in a collection.
7. Define frequency distribution?
   Frequency distribution is a representation, either in a graphical or tabular format, that displays the number of observations within a given interval. The interval size depends on the data being analyzed and the goals of the analyst.
8. Define Percentile Ranks
   The percentile rank of a score is the percentage of scores in its frequency distribution that are equal to or lower than it
9. Explain Histogram?
   A histogram is a graphical representation of data points organized into user-specified ranges.
10. Define Mean, Median and Mode
    The arithmetic mean is found by adding the numbers and dividing the sum by the number of numbers in the list. This is what is most often meant by an average. The median is the middle value in a list ordered from smallest to largest. The mode is the most frequently occurring value on the list

Part B

11. Describe the research goal, retrieving data and Data preparation process in Data Science
    Defining research goals
    Spend time understanding the goals and context of your research
    Create a project charter
    Retrieving data
    Internal Data
    External Data
    Data Preparation (Cleansing, Integrating, Transforming Data)
    Cleansing data
    Overview of common errors
    Data Entry Errors
    Redundant Whitespace
    Fixing Capital Letter Mismatches
    Impossible Values and Sanity Checks
    Outliers
    Dealing with Missing Values
    Integrating data
12. Explain the benefits, uses, and facets of data
    Benefits and uses of data science
    Data science and big data are used almost everywhere in both commercial and noncommercial Settings

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

- Commercial companies in almost every industry use data science and big data to gain insights into their customers, processes, staff, completion, and products.
- Many companies use data science to offer customers a better user experience, as well as to cross-sell, up-sell, and personalize their offerings.
- Governmental organizations are also aware of data's value. Many governmental organizations not only rely on internal data scientists to discover valuable information, but also share their data with the public.
- Nongovernmental organizations (NGOs) use it to raise money and defend their causes.
- Universities use data science in their research but also to enhance the study experience of their students. The rise of massive open online courses (MOOC) produces a lot of data, which allows universities to study how this type of learning can complement traditional classes.

Facets of data

In data science and big data you'll come across many different types of data, and each of them tends to require different tools and techniques. The main categories of data are these:

- Structured
- Unstructured
- Natural language
- Machine-generated
- Graph-based
- Audio, video, and images
- Streaming

13. Describe the architecture of Data Warehouse

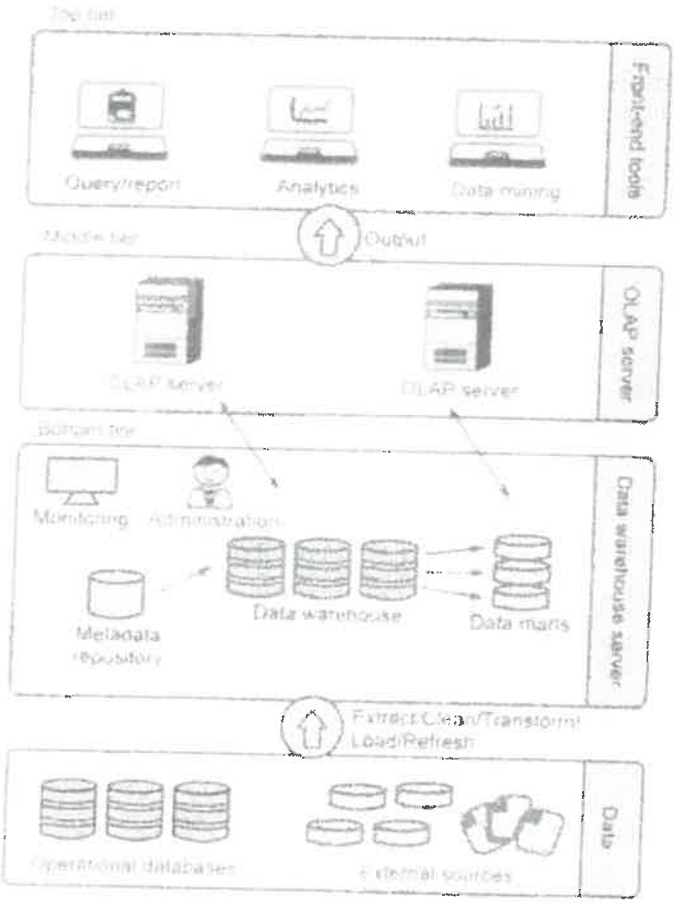


Fig. 1.11.1. Three tier architecture

14. Explain the Data Exploration, data modelling, and presentation process in Data Science

•The **visualization techniques** you use in this phase range from simple line graphs or histograms, to more complex diagrams such as Sankey and network graphs.

Data Modelling

- Selection of a modeling technique and variables to enter in the model
- Execution of the model
- Diagnosis and model comparison

Presenting findings and building applications

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

15. GRE scores for a group of graduate school applicants are distributed as follows:

(i) Convert to a relative frequency distribution. When calculating proportions, round numbers to two digits to the right of the decimal point.

GRE	RELATIVE *f*
725–749	.01
700–724	.02
675–699	.07
650–674	.15
625–649	.17
600–624	.21
575–599	.15
550–574	.14
525–549	.07*
500–524	.02
475–499	.01
	Totals 1.02

**From 13/200 = .065, which rounds to .07.*

(ii) Convert to a cumulative frequency distribution.

(iii) Convert to a cumulative percent frequency distribution.

GRE	(a) CUMULATIVE *f*	(b) CUMULATIVE PERCENT(%)
725–749	200	100
700–724	199	100
675–699	196	98
650–674	182	91
625–649	152	76
600–624	118	59
575–599	76	38
550–574	46	23
525–549	19	10
500–524	6	3
475–499	2	1

16. Explain the different types of data and variables with example

THREE TYPES OF DATA

Qualitative data

Ranked data.

Quantitative data

TYPES OF VARIABLES

Discrete and Continuous Variables

Independent and Dependent Variables

Signature of the Faculty

HOD/CSE

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

CS3352 – Foundation of Data Science
Internal Assessment Retest 1
Question with Key
Part A

1. Define mining?
   Data mining is the process of sorting through large data sets to identify patterns and relationships that can help solve business problems through data analysis. Data mining techniques and tools enable enterprises to predict future trends and make more-informed business decisions.
2. Define streaming data
   Streaming data is data that is generated continuously by thousands of data sources, which typically send in the data records simultaneously and in small sizes (order of Kilobytes).
3. Define outliers?
   An outlier is an observation that lies an abnormal distance from other values in a random sample from a population
4. Differentiate structure data and unstructured data

Structured Data	Unstructured Data
In this type of data, the data is stored in processed form or containing labels in which searching of data is easy.	In this type, the data is stored in unprocessed form or raw form in which searching is complex.
This form of data is generally used to store quantitative data such as height, weight, age.	This form of data is used to store qualitative data such as invoices, records, and media-related data.
To store such types of data, data warehouses are used.	To store unstructured data, data lakes are used.
In this form, the data is stored in predefined formats support by underlying database architecture.	In this form, the data can be stored in different formats.
Several analytical tools are available for mining structured data.	There are no tools present currently for mining unstructured data.

5. List the disadvantage of combining data?
   Data from different sources may be stored in different formats, making it difficult to create a seamless integration. This may require additional time and resources for data cleaning and validation.
6. Define Key-Value stores
   A key-value store, or key-value database is a simple database that uses an associative array (think of a map or dictionary) as the fundamental data model where each key is associated with one and only one value in a collection.
7. Define frequency distribution?
   Frequency distribution is a representation, either in a graphical or tabular format, that displays the number of observations within a given interval. The interval size depends on the data being analyzed and the goals of the analyst.
8. Define Percentile Ranks
   The percentile rank of a score is the percentage of scores in its frequency distribution that are equal to or lower than it
9. Explain Histogram?
   A histogram is a graphical representation of data points organized into user-specified ranges.
10. Define Mean, Median and Mode
    The arithmetic mean is found by adding the numbers and dividing the sum by the number of numbers in the list. This is what is most often meant by an average. The median is the middle value in a list ordered from smallest to largest. The mode is the most frequently occurring value on the list

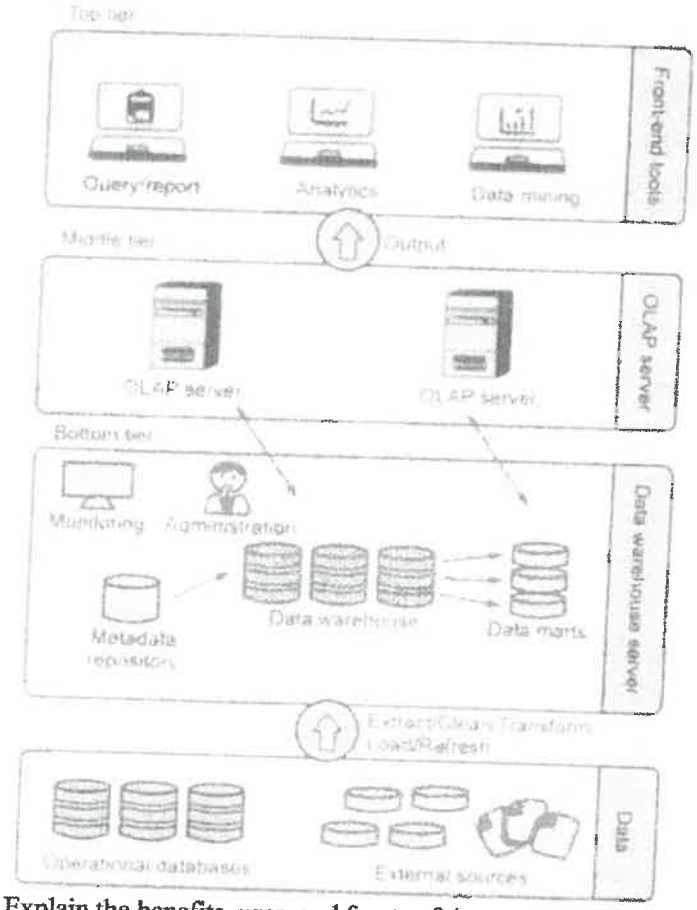
Part B

11. Describe the research goal, retrieving data and Data preparation process in Data Science
    Defining research goals
    Spend time understanding the goals and context of your research
    Create a project charter
    Retrieving data
    Internal Data
    External Data
    Data Preparation (Cleansing, Integrating, Transforming Data)
    Cleansing data
    Overview of common errors
    Data Entry Errors

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Redundant Whitespace
Fixing Capital Letter Mismatches
Impossible Values and Sanity Checks
Outliers
Dealing with Missing Values
Integrating data

12. Describe the architecture of Data Warehouse



13. Explain the benefits, uses, and facets of data

Benefits and uses of data science

Data science and big data are used almost everywhere in both commercial and noncommercial Settings

- Commercial companies in almost every industry use data science and big data to gain insights into their customers, processes, staff, completion, and products.
- Many companies use data science to offer customers a better user experience, as well as to cross-sell, up-sell, and personalize their offerings.
- Governmental organizations are also aware of data's value. Many governmental organizations not only rely on internal data scientists to discover valuable information, but also share their data with the public.
- Nongovernmental organizations (NGOs) use it to raise money and defend their causes.
- Universities use data science in their research but also to enhance the study experience of their students. The rise of massive open online courses (MOOC) produces a lot of data, which allows universities to study how this type of learning can complement traditional classes.

Facets of data

In data science and big data you'll come across many different types of data, and each of them tends to require different tools and techniques. The main categories of data are these:

- Structured
- Unstructured
- Natural language
- Machine-generated
- Graph-based
- Audio, video, and images
- Streaming

14. Explain the Data Exploration, data modelling, and presentation process in Data Science

•The **visualization techniques** you use in this phase range from simple line graphs or histograms, to more complex diagrams such as Sankey and network graphs.

Data Modelling

- Selection of a modeling technique and variables to enter in the model
- Execution of the model
- Diagnosis and model comparison

Presenting findings and building applications

15. The IQ scores for a group of 35 high school dropouts are as follows

(a) Construct a frequency distribution for grouped data.

(a) Calculating the class width,

$$\frac{123-69}{10}=\frac{54}{10}=5.4$$

Round off to a convenient number, such as 5

IQ	TALLY*	f
120–124	/	1
115–119		0
110–114	//	2
105–109	///	3
100–104	////	4
95–99	//// /	6
90–94	//// //	7
85–89	////	4
80–84	///	3
75–79	///	3
70–74	/	1
65–69	/	1
	Total	35

(b) Specify the real limits for the lowest class interval in this frequency distribution

64.5–69.5

16. Explain the different types of data and variables with example

Three types of data

Qualitative data

Ranked data.

Quantitative data

Types of Variables

Discrete and Continuous Variables

Independent and Dependent Variables

Signature of the Faculty

HOD/CSE

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

CP4152 –DATABASE PRACTICES
QUESTION WITH KEY INTERNAL
ASSESSMENT 1 TEST

PART A

1. What is entity relationship model with an example.

ER model stands for an Entity-Relationship model. It is a high-level data model. This model is used to define the data elements and relationship for a specified system.

It develops a conceptual design for the database. It also develops a very simple and easy to design view of data.

2. what is foreign key?give examples

A foreign key is a column or a set of columns that references the primary key of another table1234.Examples of foreign key are123

3. What is SQL injection

SQL injection is a code injection technique that might destroy your database.

4. What is XPATH and XQUERY

XQuery is an active programming language which is used to interact with XML data groups. **XPath** is an XML method language which is applied for node selection in XML dataset using queries. 2. **XQuery** is case sensitive so when interacting with XML

5. Difference between xpath and xquery

XQuery is a language that is used to interact with XML datasets so its main purpose is to retrieve data that is saved in the format of XML. It was developed by World Wide Web Consortium. It can read and write the data in the database which is used in software and services integration for making analysis reports. It follows the concept of declarative programming for querying databases. It was firstly used in 2007.

XPath is basically a track declaration used in deriving results which are in the form of string or boolean values, these values are actually the location of data files that are used in computation hence it is considered as a path driven language used for interacting with XML data.

6. What is active database

An **active Database** is a **database** consisting of a set of triggers. These databases are very difficult to be maintained because of the complexity that arises in understanding the effect of these triggers

7. What is distributed transaction

A **distributed transaction** is a set of operations on data that is performed across two or more data repositories (especially databases). It is typically coordinated across separate nodes connected by a network, but may also span multiple databases on a single server

8. What is xml schema

An XML Schema describes the structure of an XML document.

The XML Schema language is also referred to as XML Schema Definition (XSD).

9. Write a note on access control

Access control is a method of limiting access to a system or to physical or virtual resources. It is a process by which users can access and are granted certain prerogative to systems, resources or information. Access control is a security technique that has control over who can view different aspects, what can be viewed and who can use resources in a computing environment. It is a fundamental concept in security that reduces risk to the business or organization.

10. What is NOSQL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

NoSQL originally referring to non SQL or non relational is a database that provides a mechanism for storage and retrieval of data. This data is modeled in means other than the tabular relations used in relational databases.

PART B

11. A. What is an active database? Elaborate the event condition action model with an example

An active Database is a database consisting of a set of triggers. These databases are very difficult to be maintained because of the complexity that arises in understanding the effect of these triggers. In such database, DBMS initially verifies whether the particular trigger specified in the statement that modifies the database is activated or not, prior to executing the statement. If the trigger is active then DBMS executes the condition part and then executes the action part only if the specified condition is evaluated to true. It is possible to activate more than one trigger within a single statement. In such situation, DBMS processes each of the trigger randomly. The execution of an action part of a trigger may either activate other triggers or the same trigger that Initialized this action. Such types of trigger that activates itself is called as 'recursive trigger'. The DBMS executes such chains of trigger in some pre-defined manner but it effects the concept of understanding.

Features of Active Database:

It possess all the concepts of a conventional database i.e. data modelling facilities, query language etc.
It supports all the functions of a traditional database like data definition, data manipulation, storage management etc.
It supports definition and management of ECA rules.
It detects event occurrence.
It must be able to evaluate conditions and to execute actions. It means that it has to implement rule execution.

Advantages :

Enhances traditional database functionalities with powerful rule processing capabilities.
Enable a uniform and centralized description of the business rules relevant to the information system.
Avoids redundancy of checking and repair operations.
Suitable platform for building large and efficient knowledge base and expert systems.

11.B. What is XML hierarchical data model with an examples.

We now introduce the data model used in XML. The basic object in XML is the XML document. Two main structuring concepts are used to construct an XML document: **elements** and **attributes**. It is important to note that the term *attribute* in XML is not used in the same manner as is customary in database terminology, but rather as it is used in document description languages such as HTML and SGML. Attributes in XML provide additional information that describes elements, as we will see. There are additional concepts in XML, such as entities, identifiers, and references, but first we concentrate on describing elements and attributes to show the essence of the XML model.

Complex elements are constructed from other elements hierarchically, whereas **simple elements** contain data values. A major difference between XML and HTML is that XML tag names are defined to describe the meaning of the data elements in the document, rather than to describe how the

text is to be displayed. This makes it possible to process the data elements in the XML document automatically by computer programs. Also, the XML tag (element) names can be defined in another document, known as the *schema document*, to give a semantic meaning to the tag names that can be exchanged among multiple users. In HTML, all tag names are predefined and fixed; that is why they are not extendible.

12. A What is XPATH and XQUERY ? Elaborate XML querying using Xpath and X query with an example

XPath Path Expressions
XPath uses path expressions to select nodes or node-sets in an XML document. These path expressions look very much like the expressions you see when you work with a traditional computer file system.

XPath expressions can be used in JavaScript, Java, XML Schema, PHP, Python, C and C++, and lots of other languages.XPath is Used in XSLT
XPath is a major element in the XSLT standard.
With XPath knowledge you will be able to take great advantage of XSL.

XPath Example
We will use the following XML document:

```
<?xml version="1.0" encoding="UTF-8"?>

<bookstore>

<book category="cooking">
 <title lang="en">Everyday Italian</title>
 <author>Giada De Laurentiis</author>
 <year>2005</year>
 <price>30.00</price>
</book>

<book category="children">
 <title lang="en">Harry Potter</title>
 <author>J K. Rowling</author>
 <year>2005</year>
 <price>29.99</price>
</book>
```

12.B
SQL injection is a technique used to extract user data by injecting web page inputs as statements through SQL commands. Basically, malicious users can use these instructions to manipulate the application's web server.
SQL injection is a code injection technique that can compromise your database.
SQL injection is one of the most common web hacking techniques.
SQL injection is the injection of malicious code into SQL statements via web page input.
The Exploitation of SQL Injection in Web Applications
Web servers communicate with database servers anytime they need to retrieve or store user data. SQL statements by the attacker are designed so that they can be executed while the web server is fetching content from the application server. It compromises the security of a web application.
Example of SQL Injection
Suppose we have an application based on student records. Any student can view only his or her own records by entering a unique and private student ID
Query:
SELECT * from STUDENT

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

SELECT * from USER where
USERNAME = "" and PASSWORD=""

PART C

13 What is NoSQL ? Describe the features of NOSQL DATABASE

NoSQL is a type of database management system (DBMS) that is designed to handle and store large volumes of unstructured and semi-structured data. Unlike traditional relational databases that use tables with pre-defined schemas to store data, NoSQL databases use flexible data models that can adapt to changes in data structures and are capable of scaling horizontally to handle growing amounts of data.

The term NoSQL originally referred to "non-SQL" or "non-relational" databases, but the term has since evolved to mean "not only SQL," as NoSQL databases have expanded to include a wide range of different database architectures and data models. NoSQL databases are generally classified into four main categories:

Document databases: These databases store data as semi-structured documents, such as JSON or XML, and can be queried using document-oriented query languages.

Key-value stores: These databases store data as key-value pairs, and are optimized for simple and fast read/write operations.

Column-family stores: These databases store data as column families, which are sets of columns that are treated as a single entity. They are optimized for fast and efficient querying of large amounts of data.

Graph databases: These databases store data as nodes and edges, and are designed to handle complex relationships between data.

NoSQL databases are often used in applications where there is a high volume of data that needs to be processed and analyzed in real-time, such as social media analytics, e-commerce, and gaming. They can also be used for other applications, such as content management systems, document management, and customer relationship management.

Name and Signature of the Faculty Incharge

HoD/CSE

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

CP4391 Security Practices
Answer Key
II M.E (CSE)
Internal Assessment-1

1 **List out basic primitives of communication service interface**

- Request – A service node wants some service from its adjacent layer to pass the parameters to mention the requested service.
- Indication – Another Service node or receiver node gets an indication that a procedure has been invoked by the adjacent service node.

2 **Define send and confirm primitives.**

SEND primitive does not block even if there is no corresponding execution of the RECEIVE primitive.

The corresponding Confirm primitive can be either blocking or non-blocking

3 **What is mean by Access control?**

Identifying a user based on their credentials and then authorizing the appropriate level of access once they are authenticated.

4 **Define Application security**

Application security is the process of developing, adding, and testing security features within applications to prevent security vulnerabilities against threats such as unauthorized access and modification

5 **Define Cryptography**

Cryptography is the process of hiding or coding information so that only the person a message was intended for can read it

6 **What is mean by Malicious code (Malware)?**

Malicious code is harmful computer programming scripts designed to create or exploit system vulnerabilities

7 **Define Physical security?**

Physical security is the protection of personnel, hardware, software, networks and data from physical actions and events that could cause serious loss or damage to an enterprise, agency or institution

8 **List the various aspects in IT Security**

The basic tenets of information security are confidentiality, integrity and availability. Every element of the information security program must be designed to implement one or more of these principles.

9 **Define Injection attack**

An injection attack is a form of cyberattack in which information is sent to alter the system's interpretation of commands

10 **Define Byzantine attack**

The game theory analogy behind the Byzantine Generals Problem is that several generals are besieging Byzantium. They have surrounded the city, but they must collectively decide when to attack

11a **Explain about Security policies and variety functions of IDS**

An intrusion detection system definition includes installing a monitoring system that helps detect suspicious activities and issue alerts about them. Depending upon these alerts, a SOC (security operations center) analyst or the incident responder investigates the issue and takes the required steps to eradicate the threat.

While these systems are quite effective for detecting malicious activity, they sometimes generate false alarms. So, organizations need to fine-tune them at the time of installation. This means you need to properly set up the intrusion detection system to identify what normal traffic on the network looks like.

Additionally, the intrusion prevention system also keeps a check on the network packets to detect malicious activity.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

OR

11b **Explain about Types of firewalls**

There are mainly three types of firewalls, such as **software firewalls, hardware firewalls, or both**, depending on their structure. Each type of firewall has different functionality but the same purpose. However, it is best practice to have both to achieve maximum possible protection.

A hardware firewall is a physical device that attaches between a computer network and a gateway. For example- a broadband router. A hardware firewall is sometimes referred to as an **Appliance Firewall**. On the other hand, a software firewall is a simple program installed on a computer that works through port numbers and other installed software. This type of firewall is also called a **Host Firewall**.

Besides, there are many other types of firewalls depending on their features and the level of security they provide. The following are types of firewall techniques that can be implemented as software or hardware:

Packet-filtering Firewalls
Circuit-level Gateways
Application-level Gateways (Proxy Firewalls)
Stateful Multi-layer Inspection (SMLI) Firewalls
Next-generation Firewalls (NGFW)
Threat-focused NGFW
Network Address Translation (NAT) Firewalls
Cloud Firewalls

Unified Threat Management (UTM) Firewalls
Packet-filtering Firewalls
Application-level Gateways (Proxy Firewalls)
Stateful Multi-layer Inspection (SMLI) Firewalls
Next-generation Firewalls (NGFW)
Threat-focused NGFW

12a **Write short notes on Security management Security**

Security management covers all aspects of protecting an organization's assets – including computers, people, buildings, and other assets – against risk. A security management strategy begins by identifying these assets, developing and implementing policies and procedures for protecting them, and maintaining and maturing these programs over time.

.

Purpose of Security Management

2. Network Security Management

3. Cybersecurity Management

12b Write short notes on control for Enforcing security Policies in Distributed System

13a Explain about Symmetric and Asymmetric Mutual Authentication Methods

Asymmetric and symmetric encryption are two primary techniques used to secure data. Symmetric encryption uses the same key for both encryption and decryption, while asymmetric encryption uses a pair of keys: a public key for encryption and a private key for decryption. ELI5: Imagine symmetric encryption as a single key that locks and unlocks a treasure chest, while asymmetric encryption uses two keys—a key to lock (public) and a different key to unlock (private).

Choosing between asymmetric vs symmetric encryption can be a difficult choice, so here are some key differences:

Speed: Symmetric encryption is generally faster than asymmetric encryption, as it

requires less computational power, making it suitable for encrypting large amounts of data.

Key distribution: In symmetric encryption, secure key distribution is crucial, as the same key is used for both encryption and decryption. Asymmetric encryption simplifies key distribution, as only the public key needs to be shared, while the private key remains confidential.

Key usage: Symmetric encryption uses a single shared key for both encryption and decryption, while asymmetric encryption employs a pair of keys: a public key for encryption and a private key for decryption.

Use cases: Symmetric encryption is ideal for bulk data encryption and secure communication within closed systems, whereas asymmetric encryption is often used for secure key exchanges, digital signatures, and authentication in open systems.

Security: Asymmetric encryption is considered more secure due to the use of two separate keys, making it harder for attackers to compromise the system. However, symmetric encryption can still provide strong security when implemented correctly with strong key management practices.

13b **Explain about Security policies and variety functions of IDS**

A system called an intrusion detection system (IDS) observes network traffic for malicious transactions and sends immediate alerts when it is observed. It is software that checks a network or system for malicious activities or policy violations. Each illegal activity or violation is often recorded either centrally using a SIEM system or notified to an administration. IDS monitors a network or system for malicious activity and protects a computer network from unauthorized access from users, including perhaps insiders. The intrusion detector learning task is to build a predictive model (i.e. a classifier) capable of distinguishing between 'bad connections' (intrusion/attacks) and 'good (normal) connections'.

IDS work

- An IDS (Intrusion Detection System) monitors the traffic on a computer network to detect any suspicious activity.
- It analyzes the data flowing through the network to look for patterns and signs of abnormal behavior.
- The IDS compares the network activity to a set of predefined rules and patterns to identify any activity that might indicate an attack or intrusion.
- If the IDS detects something that matches one of these rules or patterns, it sends an alert to the system administrator.
- The system administrator can then investigate the alert and take action to prevent any damage or further intrusion

Course Faculty
(Name /Sign / Date)
G REVATHI

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

RegisterNumber:

INDRA GANESANCOLLEGEOFENGINEERING
IGValley,Manikandam,Tiruchirappalli,TamilNadu –620012,India
(ApprovedbyAICTE,NewDelhiandaffiliatedtoAnnaUniversity,Chennai)

IAExam-I			Date/Session	27/01/2022/AN	Marks	50
Coursecode	CY3151	CourseTitle	ENGINEERING CHEMISTRY			
Regulation	2021	Duration	90min	AcademicYear	2021-22	
Year	I	Semester	I	Department	ALL Department	

COURSEOUTCOMES

C104.1	To infer the quality of water from quality parameter data and propose suitable treatment methodologies to treat water.
C104.2	To identify and apply basic concepts of nanoscience and nanotechnology in designing the synthesis of nanomaterials for engineering and technology applications.
C104.3	To apply the knowledge of phase rule and composites for material selection requirements.
C104.4	To recommend suitable fuels for engineering processes and applications.
C104.5	To recognize different forms of energy resources
C104.6	To apply energy resources applications in energy sectors.

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 9 x 2 = 18 Marks)		
1	What is sterilization? Destroying bacterias, process method titles. Ozone, UV, Chlorine	CO1	1
2	Explain the term COD & BOD? COD : amount of O_2 required – oxidisable impurities $K_2Cr_2O_7$ BOD : amount of O_2 required by bacteria, Periods 5 days	CO1	1
3	What is meant by break point chlorination? 1. Combined residual chlorine decrease. 2. Graph	CO1	1
4	Distinguish between internal conditioning and external conditioning? Internal 1. adding chemicals directly into the boiler 2. Types Heading : Phosphate Sodium Alo_2 External Adding before feeding to boiler. Types Heading : Ion exchange zeolite	CO1	1
5	Mention any two compounds that cause caustic embrittlement in boiler? 1. Na_2CO_3 2. NaOH	CO1	1

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

6	Define **nano particles?** size range 1–50 nm, colloids.	CO2	2
7	List any four nano materials? 1. Nano particle, 2. Nano wire, 3. Nano rode, 4. Nano clusters	CO2	2
8	Write the difference between bulk particles and nano particles?	CO2	2
9	What are properties of nanorodes? 1. Adsorb near IR, 2. Unique mechanical, electrical, optical activity 3. Generate heat when executed with IR light. 4. Isotropic arrangements.	CO2	2

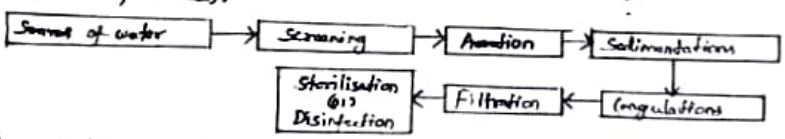
PART B

(Answer all the Questions 2 x 16= 32 Marks)

10a	Explain with neat sketch the various steps in the treatment of water for municipal water supply?	CO1	1

Municipal Water Treatment: (or) (Domestic Supply) (or) (Potable water Treatment).

Rivers and lakes are the most common sources of water used by municipalities. These water should be free from colloidal impurities, domestic sewages, industrial effluents and disease producing bacterias. Hence domestic supply of water involves the following stages in the purification processes.



Primary Treatment:

Screening:

It is a process of removing the floating materials like leaves, wood pieces, etc., from water. The raw water is allowed to pass through a screen, having large number of holes, which retains the floating materials and allows the water to pass.

Aeration:

The process of mixing water with air is known as aeration. The main purpose of aeration is

(i) to remove gases like CO_2, H_2S and other volatile impurities causing bad taste and odour to water.

ii) to remove ferrous and manganous salts as insoluble ferric and manganic salts.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Sedimentation:

It is a process of removing suspended impurities by allowing the water to stand undisturbed for 2–6 hours in a big tank. Most of the suspended particles settle down at the bottom, due to forces of gravity, and they are removed.

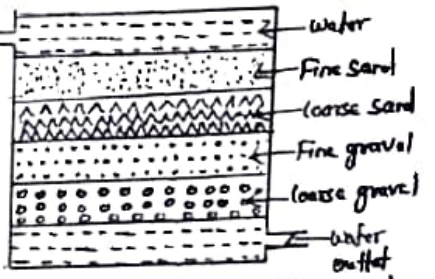
Coagulation:

Finely divided clay, silica, etc, do not settle down easily and hence cannot be removed by sedimentation. Such impurities are removed by coagulation method.

In this method certain chemicals called coagulants like alum $Al_2(SO_4)_3$ etc., are added to water. When the $Al_2(SO_4)_3$ is added to water, it gets hydrolysed to form a gelatinous precipitate of $Al(OH)_3$. The gelatinous precipitate of $Al(OH)_3$ entraps the finely divided and colloidal impurities, settles to the bottom and can be removed easily.

$$Al_2(SO_4)_3 + 6H_2O \longrightarrow 2\,Al(OH)_3\downarrow + 3\,H_2SO_4$$

Filtration:



It is the process of removing bacteria, colour, taste, odour and suspended particles, etc., by passing the water through filter beds containing fine sand, coarse sand and gravel. A typical sand filter consists of a tank containing a thick top layer of fine sand followed by coarse sand, fine gravel and coarse gravel. When the water passes through the filtering medium, it flows through the various beds slowly. The rate of filtration decreases slowly due to the clogging of impurities in the pores of the sand bed. When the rate of filtration becomes very slow, the filtration is stopped and thick top layer of fine sand is scrapped off and replaced with clean sand. Bacteries are also partly removed by this process.

OR

10b	(i) Discuss the process of desalination of the Brackish water by Reverse Osmosis method?	CO1	1

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Desalination of Brackish water:

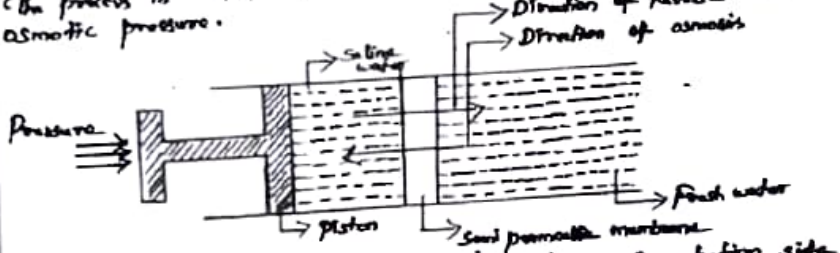
Definition: The process of removing common salt (NaCl) from the water is known as desalination. The water containing dissolved salts with a peculiar salty taste is called brackish water.

Depending upon the amount of dissolved solids there are three types.

1. Fresh water – Contains < 1000 ppm of dissolved solids.
2. Brackish water – Contains 1000 – 35,000 ppm
3. Sea water – Contains > 35,000 ppm.

Brackish and sea water can be converted into drinking water by desalination. It is carried out by reverse osmosis process.

Reverse osmosis (RO) Process: When two solutions of different concentrations are separated by a semi-permeable membrane, water flows from lower concentration side to higher concentration side. The process is called osmosis and the driving force is called osmotic pressure.



If hydrostatic pressure is applied on higher concentration side, solvent flows from higher to lower concentration. This is called reverse osmosis.

This pure water can be separated from salt water. This process is also known as Super filtration.

Advantages:

1) Life time of membrane is high and can be easily replaced.
2) Capital cost is low.

(ii) What are boiler troubles and explain about the notes on scale and sludge?

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Boiler Troubles:

The water fed into the boiler for the production of steam is called boiler feed water. If feed water is fed directly into the boilers the following troubles may occur.

1. Formation of scales and sludges in boilers
2. Priming and foaming (Carry over)
3. Caustic Embrittlement
4. Boiler Corrosion.

Formation of scales and sludges in boilers:-

When water is continuously converted into steam in boilers, the concentration of dissolved salts in water increases. When the concentration of the salts reaches their saturation point, they are formed as precipitate at the inner walls of the boiler.

Sludge: The precipitate which is present as loose and slimy with non-adherent is called sludge. The following substances are responsible for sludge formation like $MgCO_3$, $MgCl_2$, $MgSO_4$ etc.

Methods to remove sludges:

Sludges are removed by "Blow down operation".

The blow down operation is a process of removing concentrated water by fresh water from the boiler during steam production.

Disadvantages of sludge:

i) Sludges are poor conductors of heat
ii) They decrease the efficiency of boilers.

Prevention: Sludge formation can be prevented by using softened water.

Scale: The precipitate which is formed as hard and adherent coating on the inner walls of the boiler. The following substances are responsible for scale formation like $Ca(HCO_3)_2$, $CaSO_4$ and $Mg(OH)_2$.

Methods to remove scale:

Scale formation can be removed by i) Mechanical treatment, ii) Chemical treatment.

If can be also removed by applying thermal shocks, scrapers, wire brush.

Disadvantages of scale:

i) Scale decreases the efficiency of Boiler.
ii) Scale act as thermal insulators
iii) Any crack developed on the scale leads to explosion.

Prevention:

Scale formation can be prevented by dissolving using acids like HCl, H_2SO_4.

11a	Write briefly on the size dependence properties of nanomaterials?	CO1	1

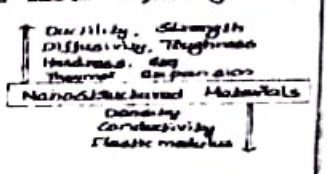
Size dependent Properties:

All properties like hardness, strength, ductility, elastic modulus, melting point, density, thermal conductivity, thermal expansion co-efficient, diffusivity and so on, change for nanomaterials. The material behavior vary significantly by a mere reduction in grain size. Nanostructured materials are composed of grains and grain boundaries. Nanometer sized grains contain only a few thousands of atoms within each grain. A large number of atoms reside at the grain boundaries. As the grain size decreases, there is a significant increase in the volume of grain boundaries or interfaces.

The properties of materials are found to be governed to a large extent by defect configurations, dynamics and interactions. Hence the mechanical and chemical properties of nanomaterials are significantly affected due to defect dynamics.

The elastic modulus of nanomaterials can be significantly different from that of bulk alloys, due to the presence of increased fraction of defects.

- Nanocrystalline ceramics are tougher and stronger than those with coarse grains
- Nano-sized metals exhibit significant increase in yield strength and the toughness decreases



Property	Change in property in comparison to bulk
Hardness	5 times increase
Strength	3-10 times increase
Wear Resistance	110 times increase
Thermal Coefficient	Reduced to half
Corrosion resistance	Reduced on localised corrosion to stopped
Magnetic Properties	Lower coercivity, Saturation magnetisation reduced by 3%.
Electrical Properties	Resistivity increased by 3 times
Hydrogen diffusion	Higher
Electrocatalytic Properties	Improved electrocatalytic activities for hydrogen evolution

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

(ii) Write the properties and uses of Nano wires? | CO1 | 1

Nanowires:

Nano wire is two dimensional cylindrical solid material having an aspect ratio ie, length to width ratio greater than 1000. Diameter of the nanowire ranges from 10 - 100 nm.

Examples:

Metallic nanowires - Au, Ni, Pt | Nanowire of Insulators - SiO_2, TiO_2
Molecular nanowires - DNA | Nanowire of Semiconductors - InP, Si, GaN

Synthesis of nanowires:

1. Template - assisted Synthesis - It is a simple way to fabricate nanostructures. These templates contain very small cylindrical pores or voids within the host material and the empty spaces are filled with the chosen material to form nanowires.
2. Vapour - Liquid - Solid (VLS) method - It involves the deposition of the source material from the gas phase into a liquid phase of catalyst. Upon supersaturation of the liquid alloy, a nucleation event generates a solid precipitate of the source material. This seed serves as a preferred site for further deposition of material at the interface of the liquid droplet, promoting the elongation of the seed into a nanowire.

Properties of nanowires:

* Nanowires are two dimensional material.
* Conductivity of a nanowire less than that of bulk material.
* It exhibits distinct optical, chemical, thermal and electrical properties due to this large surface area.
* Silicon nanowire shows strong photoluminescence characteristics.

Uses of nanowires:

* Nanowires are used for enhancing mechanical properties of composites.
* Nanowires replace conventional copper wires used in computers, televisions.
* It is also used to prepare active electronic components such as P-n junction and logic gates.
* Semiconductor nanowire crossings are expected to play a important role in future of digital computing.
* Nanowires find applications in high density data storage either as magnetic read heads or as patterned storage media.
* It is also used to link tiny components into very small circuits.

(ii) Write a brief notes on properties and uses of nano clusters?

Nanoclusters:

Nanoclusters are fine aggregates of atoms or molecules. The size of which ranges from 0.1 to 10 nm. Of all the nanomaterials, nanoclusters are the smallest sized nanomaterials due to their close packing arrangement.
Example: CdS, ZnO.

In nanocluster, all the atom are bound by forces like metallic, Covalent, ionic, hydrogen bond or Vanderwaals force of attraction.

Clusters of certain critical size are more stable than others. Nanoclusters consisting of up to a couple of hundred atoms, but larger aggregates, containing 10^3 or more atoms are called nanoparticles.

Magic Number - The number of atoms present in the clusters of critical sizes with higher stability.

Nanoclusters can be distinguished from the nature of forces present between atoms. The property of clusters can vary with the number of constituent atoms, the type of elements and the net charge of cluster.

Properties of nanoclusters:

* Atomic or Molecular clusters are formed by the nucleation of atoms or molecules respectively.
* Reactivity of nanoclusters are decreased due to their decrease in size.
* Melting point of nanoclusters are lower than the bulk due to high surface to volume ratio.
* Electronic structure of the nanocluster is more confined than the bulk materials.

Applications of nanoclusters:

→ Nanoclusters are used as catalyst in many reactions.
→ It is used in nano based chemical sensors.
→ It is used as a LED in quantum computers.

CourseFaculty (Name/Sign/Date) S. Boobalan

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD (Name/Sign/Date) S. Boobalan

Internal Assessment Exam-1
Answer Key

Part-A

1. An Operating System (OS) is an interface between a computer user and computer hardware. An operating system is a software that performs all the basic tasks like file management, memory management, process management, handling input and output, and controlling peripheral devices such as disk drives and printers.

2 . Batch processing is the method computers use to periodically complete high-volume, repetitive data jobs. Certain data processing tasks, such as backups, filtering, and sorting, can be compute intensive and inefficient to run on individual data transactions.

3. Spooling is the temporary storage of data for usage and execution by a device, program, or system. Data is transmitted to and held in memory or other volatile storage until the software or computer asks for it to be executed. SPOOL stands for Simultaneous Peripheral Operations On-Line.

4. Tightly-coupled software means routines (modules, programs) that work in only one type of system and are dependent upon each other. For example, an operating system depends on its drivers to activate a peripheral device. Such drivers would require extensive programming changes to work in another environment.

5. A system call is a method for a computer program to request a service from the kernel of the operating system on which it is running. A system call is a method of interacting with the operating system via programs..

6. The term "real-time system" refers to any information processing system with hardware and software components that perform real-time application functions and can respond to events within predictable and specific time constraints.

7. There are five types of system calls:

Process control.

File management.

Device management.

Information maintenance.

Communications.

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

8. Dual-mode operation forms the basis for I/O protection, memory protection and CPU protection. In dual-mode operation, there are two separate modes: monitor mode (also called 'system mode' and 'kernel mode') and user mode. In monitor mode, the CPU can use all instructions and access all areas of memory.

9 API lets the operating system manage the requests so your software is less likely to affect other software when it crashes. There are many APIs. They simplify system calls, implement cross-platform interface so you can port the app, manage access to secure areas, and do many other useful things.

10. Batch Operating System. ...
Real-Time Operating System. ...
Time-Sharing Operating System. ...
Distributed Operating System. ...
Embedded Operating System. ...
Network Operating System. ...
Mobile Operating System.

Part-B

11 a. An operating system (OS) is the program that, after being initially loaded into the computer by a boot program, manages all of the other application programs in a computer. The application programs make use of the operating system by making requests for services through a defined application program interface (API) .

A computer system is a set of integrated devices that input, output, process, and store data and information. Computer systems are currently built around at least one digital processing device. There are five main hardware components in a computer system: Input, Processing, Storage, Output and Communication devices.

Batch Operating System. ...

Real-Time Operating System. ...

Time-Sharing Operating System. ...

Distributed Operating System. ...

Embedded Operating System. ...

Network Operating System. ...

Mobile Operating System.

11 b. An operating system is a type of software that acts as an interface between the user and the hardware. It is responsible for handling various critical functions of the computer or any other machine. Various tasks

that are handled by OS are file management, task management, garbage management, memory management, process management, disk management, I/O management, peripherals management, etc.

Generation of Operating System

Below are four generations of operating systems.

The First Generation

The Second Generation

The Third Generation

The Fourth Generation

1. The First Generation (1940 to early 1950s)

In 1940, an operating system was not included in the creation of the first electrical computer. Early computer users had complete control over the device and wrote programs in pure machine language for every task. During the computer generation, a programmer can merely execute and solve basic mathematical calculations. an operating system is not needed for these computations.

2. The Second Generation (1955 – 1965)

GMOSIS, the first operating system (OS) was developed in the early 1950s. For the IBM Computer, General Motors has created the operating system. Because it gathers all related jobs into groups or batches and then submits them to the operating system using a punch card to finish all of them, the second-generation operating system was built on a single-stream batch processing system.

3. The Third Generation (1965 – 1980)

Because it gathers all similar jobs into groups or batches and then submits them to the second generation operating system using a punch card to finish all jobs in a machine, the second-generation operating system was based on a single stream batch processing system. Control is transferred to the operating system upon each job's completion, whether it be routinely or unexpectedly.

4. The Fourth Generation (1980 – Present Day)

The fourth generation of personal computers is the result of these PDPs. The Generation IV (1980–Present)The evolution of the personal computer is linked to the fourth generation of operating systems. Nonetheless, the third-generation minicomputers and the personal computer have many similarities. At that time, minicomputers were only slightly more expensive than personal computers, which were highly expensive.

12a.. The operating system functions like a manager of all the available resources. Therefore operating system is defined as an interface between the system and the user. There are various types of operating systems such as Batch Operating Systems, Multi-programming Operating Systems, distributed operating

systems time-sharing operating systems, real-time operating systems, and distributed operating systems. Each operating system offers different types of features and advantages. The below article covers in detail the Multiprocessing operating system.

A multiprocessing operating system is defined as a type of operating system that makes use of more than one CPU to improve performance. Multiple processors work parallelly in multi-processing operating systems to perform the given task. All the available processors are connected to peripheral devices, computer buses, physical memory, and clocks. The main aim of the multi-processing operating system is to increase the to increase the speed of execution of the system. The use of a multiprocessing operating system improves the overall performance of the system. For example, UNIX, LINUX, and Solaris are the most widely used multi-processing operating system.

Working of Multi-Processing Operating System Multi-processing operating system consists of multiple CPUs. Each CPU is connected to the main memory.The task to be performed id divided among all the processors. For faster execution and improved performance, each processor is assigned a specific task. Once all the tasks of each processor are completed they are compiled together in order to produce a single output. The allocation of resources for each processor is handled by the operating system. This process results in better utilization of the available resources and improved performance.

12b. Operating system is a software that acts as an intermediary between the user and computer hardware. It is a program with the help of which we are able to run various applications. It is the one program that is running all the time. Every computer must have an operating system to smoothly execute other programs. The OS coordinates the use of the hardware and application programs for various users. It provides a platform for other application programs to work. The operating system is a set of special programs that run on a computer system that allows it to work properly. It controls input-output devices, execution of programs, managing files, etc.

Services of Operating System

Program execution

Input Output Operations

Communication between Process

File Management

Memory Management

Process Management

Security and Privacy

Resource Management

User Interface

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Networking

Error handling

Time Management

Part-C

13a. a system call is a programmatic way in which a computer program requests a service from the kernel of the operating system it is executed on. A system call is a way for programs to interact with the operating system. A computer program makes a system call when it makes a request to the operating system's kernel. System call provides the services of the operating system to the user programs via Application Program Interface(API). It provides an interface between a process and an operating system to allow user-level processes to request services of the operating system. System calls are the only entry points into the kernel system. All programs needing resources must use system calls.

A user program can interact with the operating system using a system call. A number of services are requested by the program, and the OS responds by launching a number of systems calls to fulfill the request. A system call can be written in high-level languages like C or Pascal or in assembly language. If a high-level language is used, the operating system may directly invoke system calls, which are predefined functions.

A system call is a mechanism used by programs to request services from the operating system (OS). In simpler terms, it is a way for a program to interact with the underlying system, such as accessing hardware resources or performing privileged operations.

A system call is initiated by the program executing a specific instruction, which triggers a switch to kernel mode, allowing the program to request a service from the OS. The OS then handles the request, performs the necessary operations, and returns the result back to the program.

Staff Incharge

Hod/CSE

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANSWER KEY

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 10 x 2 = 20 Marks)**		
1	Define irrigation. Irrigation is defined as the science of artificial applications of water to the land in accordance with the crop requirement.	CO1	K1
2	List the advantages of irrigation. • Increase in food production • Optimum benefits • General prosperity • Afforestation	CO1	K1
3	Name the types of irrigation • surface irrigation • sub-surface irrigation	CO1	K2
4	Classify the types of sprinkler systems? • Permanent system • Semi-permeable system • Portable system	CO1	K1
5	What are the advantages of sprinkler irrigation? • Land leveling is not required • Fertilizers can be uniformly applied • It is less labour oriented	CO1	K2
6	Define tank irrigation An irrigation tank is an artificial reservoir of any size. It utilizes tanks and connected to direct water to the crops. This surface irrigation method can be used to grow crop like rice.	CO2	K1
7	What is Micro irrigation? Micro irrigation is a modern method of irrigation by this methods water is irrigated through drippers, sprinklers, foggers and by other emitters on surface or subsurface of the land.	CO2	K2
8	Classify the types of canals? • Permanent canal • Irrigation canal • Feeder canal • Navigation canal	CO2	K1
9	Define tank irrigation An irrigation tank is an artificial reservoir of any size. It utilizes tanks and connected to direct water to the crops. This surface irrigation method can be used to grow crop like rice.	CO2	K1
10	What is Micro irrigation? Micro irrigation is a modern method of irrigation by this methods water is irrigated through drippers, sprinklers, foggers and by other emitters on surface or subsurface of the land.	CO2	K1
	PART B **(Answer all the Questions 2 x 10 = 20 Marks)**		
11a	Define Irrigation? What are the merits and demerits of irrigation? Irrigation is defined as the science of artificial applications of water to the land in	CO1	K2

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

12a	accordance with the crop requirement. **Merits of irrigation:** ○ Insufficient rainfall will make it challenging to meet the need for water. The shortfall brought on by inadequate rainfall is attempted to be overcome via irrigation. In drought years, irrigation therefore helps. ○ Crop yields are increased, and irrigation increases local livelihoods. Thus, the people's quality of life is raised. ○ Additionally, irrigation increases the nation's wealth in two ways. Irrigation firstly makes the country self-sufficient in food needs by producing abundant harvests. Second, the revenue increases because irrigation is taxed when provided to the producers. ○ With irrigation, farmers may plant cash crops that yield higher returns than the regular crops they could have produced without irrigation. The cash crops include potatoes, tobacco, sugarcane, and fruit gardens. ○ Large irrigation channels may occasionally be utilized for communication. ○ A hydroelectric power plant might be built using the falls that intersect irrigation channels. ○ It is essential to consider the domestic benefits. Improved freshwater circulation and easier access to it are two benefits of irrigation. ○ As water lost through seepage increases groundwater storage, irrigation increases it. ○ Planting may be done effectively along the banks of substantial irrigation channels, which not only aids in introducing social forestry but also enhances the environmental condition of the area. ○ When there are natural disasters, new irrigation projects are developed to give big population jobs. These projects are referred to as relief or disaster works. The value of dry land increases when irrigation facilities are made available		
	OR		
11b	Define consumptive use of water. Explain the Factors affecting consumptive use of Water Define consumptive use of water. Explain the Factors affecting consumptive use of Water **Consumptive water use** is water removed from available supplies without return to a water resource system (e.g., water used in manufacturing, agriculture, and food preparationn that is not returned to a stream, river, or water treatment plant). Evaporation from the surface of the earth into clouds of water in the air which then falls to the ground as "rain" is excluded from this model. Crop consumptive water use is the amount of water transpired during plant growth plus what evaporates from the soil surface and foliage in the crop area. The portion of water consumed in crop production depends on many factors, especially the irrigation technology. Factors affecting the consumptive use of water: 1. Evaporation which depends on humidity 2. Mean Monthly temperature 3. Growing season of crops and cropping pattern 4. Monthly precipitation in area 5. Wind velocity in locality 6. Soil and topography 7. Irrigation practices and method of irrigation 8. Sunlight hours	CO1	K2
12a	List the merits and demerits of tank irrigation. Merits of tank irrigation: • **Water conservation** – Tank irrigation systems collect and store rainwater, allowing	CO2	K4

	farmers to conserve water and use it during dry periods. • **Flexibility** – Tank irrigation systems can be used for irrigation at any time, making it suitable for a wide range of crops. • **Cost-effective** – Tank irrigation systems can be a cost-effective solution as it reduces the dependence on municipal water supply, thus reducing water bills. • **Suitable for small scale farming** – Tank irrigation systems are suitable for small scale farming as it can be easily installed and maintained. • **Enhancing soil moisture** – Tank irrigation systems can help to maintain soil moisture and improve the overall health of the crops. Demerits of tank irrigation: • **Limited water supply** – Tank irrigation systems rely on rainwater or other sources of water, which may not be sufficient during dry periods or droughts. • **High maintenance** – Tank irrigation systems require regular cleaning and maintenance to prevent the growth of algae or bacteria. • **Limited to small scale** – Tank irrigation systems may not be suitable for large scale farming as it may require a large number of tanks to irrigate a large area. • **Risk of contamination** – Tank irrigation systems may be at risk of contamination if not properly cleaned and maintained. **Space requirement** – Tank irrigation systems require a significant amount of space to store water, which may not be feasible for some farmers who have limited space on their property.		
	OR		
12b	Infer the advantages and disadvantages of drip irrigation system. Advantages: Saving Water and Costs: Drip irrigation reduces operating costs, which is a fundamental issue in this new method. Drip systems require less water than other common irrigation systems. For example, in orchards of young trees, drip irrigation uses only half of the water needed for sprinkler or surface irrigation. As trees grow older, water savings using drip systems decrease, however, due to the scarcity and high cost of water, effective drip irrigation is still important to many gardeners. The labor cost for irrigation can be reduced because, in the drip system, it is enough to the water distribution and start the system. These settings are done by automatic devices that do not require many workers. Use of Salt Water: Frequent watering keeps the soil moisture at a level where it does not fluctuate between very dry and very wet states, and most parts of the soil have enough air. Keeping the soil wet between irrigations causes the salts in the solution to be more diluted. For this reason, in the drip system, water with more salinity can be used than other irrigation methods. Used in rocky soils and steep slopes: drip irrigation systems can be designed in such a way that in every topography can be used effectively. In rocky lands, even if the distance between the trees is irregular, and their sizes are different, drip irrigation can be used effectively because the water is distributed very close to each tree. Disadvantages: Soil Conditions: Some soils do not have enough final infiltration speed to receive the discharge of drippers which leads to runoff or waterlogging conditions. Given a discharge rate of 1 gallon per hour, the soil must have a final infiltration rate of 0.5 inches per hour so that the diameter of the wetted circle around the dripper does not exceed 2 feet. Hazards: If uncontrolled events stop irrigation, the plant is quickly damaged, because the ability of the roots to take up water and nutrients is limited to a relatively small part of the wetted soil. Rodents chew polyethylene sub-pipes; to solve this problem and control rodents, you should use PVC sub-pipes. Salt Accumulation: Salts accumulate on the soil surface, and cause a potential risk for the plant, as light rains transmit minerals to the root of the plant. Therefore, when it rains after the salt accumulation, the irrigation should continue as planned, to enter the soil as much as 5 cm, and remove the salts from the root of the plant	CO2	K4
	PART C **(Answer all the Questions 1 x 10 = 10 Marks)**		
13a	List and write a detailed note on the Experimental methods to calculate the Evapotranspiration. Evapotranspiration (ET): The combination of two separate processes whereby water is lost on the one hand from the soil surface by evaporation and on the other hand from the crop by transpiration is referred to as evapotranspiration (ET)	CO1	K1

	Pan Evaporation Method Evaporation pans provide a measurement of the combined effect of temperature, humidity, wind speed and sunshine on the reference crop evapotranspiration ETo The principle of the evaporation pan is the following: the pan is installed in the field the pan is filled with a known quantity of water (the surface area of the pan is known and the water depth is measured) the water is allowed to evaporate during a certain period of time (usually 24 hours). For example, each morning at 7 o'clock a measurement is taken. The rainfall, if any, is measured simultaneously after 24 hours, the remaining quantity of water (i.e. water depth) is measured the amount of evaporation per time unit (the difference between the two measured water depths) is calculated; this is the pan evaporation: E pan (in mm/24 hours). **Lysimeters** A lysimeter is a measuring device which can be used to measure the amount of actual evapotranspiration which is released by plants, usually crops or trees. By recording the amount of precipitation that an area receives and the amount lost through the soil, the amount of water lost to evapotranspiration can be calculated. Lysimeters are of two types: Weighing and non-weighing. A lysimeter is most accurate when vegetation is grown in a large soil tank which allows the rainfall input and water lost through the soil to be easily calculated. The amount of water lost by evapotranspiration can be worked out by calculating the difference between the weight before and after the precipitation input. **Factors affecting evapotranspiration**: Weather parameters, crop characteristics, management and environmental aspects are factors affecting evaporation and transpiration. The related ET concepts presented in Figure 3 are discussed in the section on evapotranspiration concepts. 1. Weather parameters: The principal weather parameters affecting evapotranspiration are radiation, air temperature, humidity and wind speed. The evaporation power of the atmosphere is expressed by the reference crop evapotranspiration (ETo). The reference crop evapotranspiration represents the evapotranspiration from a standardized vegetated surface. 2. Crop factors: The crop type, variety and development stage should be considered when assessing the evapotranspiration from crops grown in large, well-managed fields. Differences in resistance to transpiration, crop height, crop roughness, reflection, ground cover and crop rooting characteristics result in different ET levels in different types of crops under identical environmental conditions. 3. Management and environmental conditions: Factors such as soil salinity, poor land fertility, limited application of fertilizers, the presence of hard or impenetrable soil horizons, the absence of control of diseases and pests and poor soil management may limit the crop development and reduce the evapotranspiration. Other factors to be considered when assessing ET are ground cover, plant density and the soil water content. The effect of soil water content on ET is conditioned primarily by the magnitude of the water deficit and the type of soil. On the other hand, too much water will result in water logging which might damage the root and limit root water uptake by inhibiting respiration.		
	OR		
13b	Explain the following terms: (i) Soil water (ii) Soil available water (iii) Water holding capacity (iv) Soil-water-plant relationship (i). solid water: Water exists in all three forms of matter solid, liquid and gas. The solid form of water is ice. Ice is less dense than water as when water freezes, its molecules move farther apart. The intermolecular forces in a solid are stronger than that of liquids.eg. on earth , water is found in solid form as ice caps etc a very small quantity of water is present in the form of solid water on earth. (ii). Soil available water: Available water is the difference between field capacity which is the maximum amount of water the soil can hold and wilting point water the plant can no longer extract water from the soil. Water holding capacity is the total amount of water a soil can hold at field capacity. (iii).water holding capacity: Water holding capacity is the ability of a certain soil texture to physically hold water against the force of gravity. It does this by soil particles holding water molecules by the force of cohesion (iv). Soil water plant relationship: Soil acts as a medium for plant roots, a plant receives its food, water and air, all from the soil. Water is required by plants to carry out metabolic activities like photosynthesis, respiration, and the synthesis and degradation of organic compounds. Water is an important constituent of the plant cells; it is absorbed by the roots and travels through the stems to the chloroplast in the leaves. Water also carries large amount of nutrients from the soil to the plant. ***Soil Forming Elements*** Soil is a four phase system based on the elements it is comprised of, the phases of soil are:	CO1	K3

- Solid Elements (made of minerals, organic matter & various chemical compounds)
- Liquid Elements (Soil moisture)
- Gaseous Elements (Soil Air)
- Biological Elements (Living organisms)

Physical Particles forming the Soil are:

- Sand (0.02 – 2.00 mm)
- Silt (0.002 – 0.02 mm)
- Clay (< 0.002 mm)

Soil Structure

- The volume that is not occupied by solid particles forms the soil pore space.
- The total pore space comprises of micro (Capillary pores) and macro pores.
- The ratio between them depends on the soil structure and texture.
- Fine textured soils (Heavy) contain high percentage of micro pores (Capillary Pores).
- Coarse textured soils (Light) contain high percentage of macro pores.
- The micro pores (Capillary Pores) make a soil -water reservoir.
- It is in these pores that water is retained under surface tension to later be used by the plants.
- From the macro pores, water drains downwards, under gravity, leaving behind air that is essential for proper plant growth.
- The Density of Heavy soil is less (approx. 1.2 gm/cm3), compared to the Medium Soil (1.4 gm/cm3) & Light Soil (1.55 gm/cm3)

Soil Conditions Based On The Moisture Content Are:

- Saturated Condition- All soil pores are full of water, soil air is absent.
- Field Capacity- There is water only in Micro or Capillary Pores & the air is in Macro Pores after the water is drained.

Wilting Point- Water is stuck in the soil particles forming micro (capillary) Pores, not useful for plants.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan [illegible] ineering

Course Faculty

HoD

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 10 x 2 = 20 Marks)**		
1	**Define waste minimization ?** Waste minimization or waste minimisation can be defined as "systematically reducing waste at source".It means:Prevention and/or reduction of waste generated.Efficient use of raw materials and packaging	1	K2
2	**what is the purpose of onsite processing?** reduce volume of waste generated alter physical form recover usable materials	1	K1
3	**What is the legal requirement in India regarding onsite storage and collection of MSW?** The 2000 rules were applicable on "every municipal authority responsible for the collection, segregation, storage, transportation, processing, and disposal of municipal solid wastes". It fixed certain responsibility for municipal authorities, State Governments, and UT Administrations as well as Central Pollution Control Board and the State Board or the Committees in infrastructure development, setting up landfills and other waste processing and disposal facilities, monitoring and ensuring eco-friendly compliance and submitting Annual Reports	1	K2
4	**What is meant by transfer station?** A transfer station is a facility where municipal solid waste (MSW) is unloaded from collection vehicles and briefly held while it is reloaded onto larger long-distance transport vehicles.	1	K1
5	**What are the factors to be considered during onsite storage of solid wastes?** There are four factors that should be considered in the on-site storage of solid waste. The type of container to be used, the location where the containers to be kept, public health, the collection method and time.	1	K1
6	**Name any disease transmitted through improper storage of MSW.** Hepatitis – Hepatitis B is transmitted in the same way as the AIDS virus. Risks of exposure increase from needlestick injury scenarios. Hepatitis B can lead to both acute and chronic hepatitis, cirrhosis of the liver, and even liver cancer.	2	K2
7	**What are the 4 R 's in waste hierarchy?** Reduce Reuse Recycling Recovery	2	K2
8	**List the various advantages of waste segregation.** 1. Increase the efficiency of waste management 2. Save money on garbage disposal costs 3. Reduce our carbon footprint and help save the planet 4. Lessen health risks by reducing the proliferation of pests and rodents	2	K1
9	**What are the qualities of materials used for the containers?** Suitable container should be water tight, rust resistant, with tight fitting covers, fire resistant, adequate in size ,light in weight, with side handles and washable.	2	K2
10	**List out the materials used for containers of municipal solid waste.** Containers and packaging products in MSW are made of several materials: paper and paperboard, glass, steel, aluminum, plastics, wood, and small amounts of other materials.	2	K1

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

	Municipal recycling a)Different cities have different guidelines for pickup etc. b)characteristics ofa successful recycling program PAYT charges mandatory, with fines for violators curbside pickup with free bins a community effort—business and residential organized and clear-cut guidelines and goals recycling of paper and paper products a) **Plain paper**, envelopes, newspaper, magazines, p b) **Post-consumer waste**—paper recycled by consumers waste on the label c) **Pre-consumer waste**—scrap paper at the processing plant, not ever sent out as a product **Demand** for recycled paper fluctuates		

Course Faculty

(Name /Sign / Date)

HoD/CIVIL

(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

Register Number: | | | | | | | | | | | | |

INDRA GANESAN COLLEGE OF ENGINEERING
IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

IA Exam - I			Date/Session	20.09.22/FN	Marks	50
Course code	CE3351	Course Title	SURVEYING AND LEVELLING			
Regulation	2021	Duration	90 min	Academic Year	2022-23	
Year	II	Semester	III	Department	AGRI	

COURSE OUTCOMES

C206.1	Introduce the rudiments of various surveying and its principles
C206.2	Imparts knowledge in computation of levels of terrain and ground features
C206.3	Imparts concepts of Theodolite Surveying for complex surveying operations
C206.4	derive the procedure for establishing horizontal and vertical control
C206.5	Imparts the knowledge on modern surveying instruments
C206.6	The student will possess knowledge about survey field techniques

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 10 x 2 = 20 Marks)**		
1	**What is the object of surveying?** • Surveying is the Art of determining the relative position on above or beneath the Surface of the earth by means of direct or indirect measurements of distance,direction and elevation. • It also includes the art of establishing points by predetermined angular & Linear Measurements.	1	K1
2	**Define plane surveying?** • Plane Surveying is defined as the divison of Surveying in which all the survey works are carried based on the assumption that,the surface of earth is a plane and curvature of the earth is Ignored. • In Dealing with the plane Surveying,plane geometry and Trignometry are only required. • The Surveys having an area of about 260km2 may only be treated as plane surveys.	2	K1
3	**what is compass surveying and its Types?** • Compass surveying is a type of surveying in which the directions of surveying lines are determined with a magnetic compass, and the length of the surveying lines are measured with a tape or chain or laser range finder. i)Prismatic Compass ii)Surveyor Compass	2	K1
4	**Define the principle of levelling?** BASIC PRINCIPLE OF LEVELING • The fundamental principle of leveling lies in finding out the separation of level lines passing through a point of known elevation (B.M.) and that through an unknown point (whose elevation is required to be determined)	3	K1
5	**List the source and errors in levelling?** SOURCES OF ERRORS IN LEVELLING There are following types of Errors in Leveling :- 1. Instrumental Errors 2. Collimation Error 3. Error due to Curvature & Refraction 4. Other Errors	4	K1
6	**What is meant by geodetic surveying?** Geodetic surveying is a process of surveying in which the shape and size of the earth are considered. The methods used in geodetic surveying are beyond the scope of this training manual	5	K2
7	**What Is Two Point Problem?** Two Point Problem is defined as the process of locating the plane table on the sheet by sighting two well defined Points And its locations are already plotted on the Paper.	1	K1
8	**Name the different ways of classification of Surveying.** Classification Of Survey is based on i. Purpose of Surveying ii. Nature of the field iii. Methods employed	2	K1

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Trichy-620

13a	**Explain how you will conduct chain survey to measure a land parcel in agriculture field.** • Using chaining and ranging the distance between two points can be measured. The instruments required are chain, arrows, ranging rods, pegs and hammers. **Procedures:** • First mark a straight line of a standard length on a flat firm ground. The two end points A and B are selected on a survey line which is to be measured. • A ranging rod is erected at the point B, while the surveyor stands with another rod at point A. A rod is established at a point in line with AB at a distance not greater than one chain length from A. • The surveyor at A then signals the assistant to move transverse to the chain line till he is line with A and B. Similarly other intermediate points can be established. • Then by using chain, the distance is measured. To find the pacing length, we should walk along the chain line and it is found from pacing length. Pacing length = Distance between the points/No of steps ***The distance between two points = (No of arrow x Nominal length +Fractional length) m*** • The distance between two points can be calculated and also same procedure is used to find the other side of the line. The finally land parcel of agricultural field is measured	3	K2
	OR		
13b	**Explain the field and office work in chain surveying?** **Field and Office work:** The practice of surveying actually boils down to fieldwork and office work. The Fieldwork Consists Of Taking Measurements, Collecting Engineering Data, And Testing Materials. The Office Work Includes Taking Care Of The Computation And Drawing The Necessary Information For The Purpose Of The Survey. **Field Work** • Field work is of primary importance in all types of surveys. To be a skilled surveyor, you must spend a certain amount of time in the field to acquire needed experience. • The study of this training manual will enable you to understand the underlying theory of surveying, the instruments and their uses, and the surveying methods. • However, a high degree of proficiency in actual surveying, as in other professions, depends largely upon the duration, extent, and variation of your actual experience. • You should develop the habit of STUDYING the problem thoroughly before going into the field, you should know exactly what is to be done; how you will do it; why you prefer a certain approach over other possible solutions; and what instruments and materials you will need to accomplish the project. • It is essential that you develop SPEED and CONSISTENT ACCURACY in all your fieldwork. This means that you will need practice in handling the instruments, taking observations and keeping field notes, and planning systematic moves. • It is important that you also develop the habit of CORRECTNESS. You should not accept any measurement as correct without verification. Verification, as much as possible, should be different from the original method used in measurement. • The precision of measurement must be consistent with the accepted standard for a particular purpose of the survey. Fieldwork also includes adjusting the instruments and caring for field equipment. • Do not attempt to adjust any instrument unless you understand the workings or functions of its parts. Adjustment of instruments in the early stages of your career requires close supervision from a senior EA. **Office Work:** • Office work in surveying consists of converting the field measurements into a usable format.The conversion of computed, often mathematical, values may be required immediately to continue the work, or it may be delayed until a series of field measurements is completed. • Although these operations are performed in the field during lapses between measurements, they can also be considered office work. Such operations are normally done to save time. • Special equipment, such as calculators, conversion tables, and some drafting equipment is used in most office work. In office work, converting field measurements (also called reducing) involves the process of computing, adjusting, and applying a standard rule to numerical values	3	K2

Course Faculty

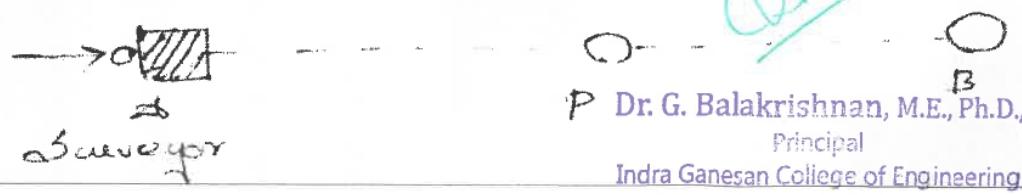
(Name /Sign / Date)

VALSHABA.J

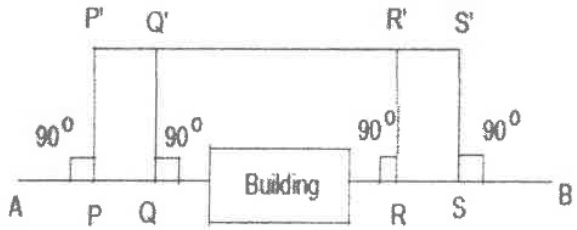
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD

(Name /Sign / Date)

	iv. Instruments Used		
9	**What are the Sources Of Local Attraction?** • Magnetic Materials such As magenetic Rocks,iron Ores,Electrical cables etc..are sources of Local Attraction.	2	K2
10	**Explain the range of reciprocal ranging.** The vision ranging and line ranger can be adopted only when the end stations are inter visible. The line of sight between two stations is obstructed by natural or man-made objects or not clearly visible. Under such conditions, indirect or reciprocal ranging is applicable.	2	K1
	PART B **(Answer all the Questions 2 x 10 = 20 Marks)**		
11a	**Equipment used in chaining and ranging?** EQUIPMENT AND ACCESSORIES FOR CHAINING AND RANGING: (i)Chain (ii)Arrows (iii) Pegs (iv)Surveyors' band (v) Ranging rods and ranging poles (vi) Offset rods (vii) Laths (viii) Whites (ix) Plumb bobs and (x) Line ranger. 1.CHAIN: • The Chain Is Made Up Of Steel Wire Which Is Divided Into Links And Togs (Rings) To Facilitate Folding. • It Is Sometimes Used As A Unit Of Measurement • It Has Brass Handles At Both Ends For Easy Handling. The Link Is 0.2m Or 200mm In Diameter. • The Length Is 20m Or 30m. (ii) ARROWS: • Arrows are made of steel wire of diameter 4mm and their ends are bent into a circle where red cloth is tied to facilitate visibility. They are used for showing points on the ground. iii)PEGS • Pegs are made of wood 40mm square by 50cm long and are used for permanently marking positions during survey iv)SURVEYORS' BAND • The surveyor's band is made of a steel strip which is rolled into a metal frame with a winding handle. It is 30m, 50m or 100m long. Is used in projects where more accuracy measurement is required (v) RANGING RODS AND RANGING POLES: • A ranging rod is a surveying instrument used for marking the position of stations and for sightings of those stations as well as for ranging • Ranging poles are used to mark areas and to set out straight lines on the field. They are also used to mark points which must be seen from a distance, in which case a flag may be attached to improve the visibility. (vi) OFFSET RODS • These rods are also similar to ranging rods and they are 3 m long. They are made up of hard wood and are provided with iron shoe at one end. • A hook or a notch is provided at other end. At height of eye, two narrow slits at right angles to each other are also provided for using it for setting right angles. (vii) LATHS Laths are 0.5 to 1.0 m long sticks of soft wood. They are sharpened at one end and are painted with white or light colours. They are used as intermediate points while ranging or while crossing depressions. viii) WHITES • Whites are the pieces of sharpened thick sticks cut from the nearest place in the field. One end of the stick is sharpened and the other end is split. White papers are inserted in the split to improve the visibility. Whites are also used for the same purpose as laths. (IX) PLUMB BOBS: • In measuring horizontal distances along sloping ground plumb bobs are used to transfer the position to ground.They are also used to check the verticality of ranging poles. (X) LINE RANGER: • It is an optical instrument used for locating a point on a line and hence useful for ranging. It consists of two isosceless prisms placed one over the other and fixed in an instrument with handle	2	K1
	OR		
11b	**Explain the methods of ranging?** METHODS OF RANGING i)Direct Ranging ii)Indirect Ranging i)DIRECT RANGING: • Direct Ranging is done when the two ends of the survey lines are intervisible.  	2	K1

ii)INDIRECT RANGING • It is done when both the ends of the survey line are not intervisible either due to Long distance between them.

12a	**Determine the sag correction for a 30 m steel tape under a pull of 80 N in 3 bays of 10 m each. The area of the cross section of the tape is 8 mm2 and the unit weight of steel may be taken as 77 kN/m3 .** Solution: Given: L = 30 m; n = 3; P = 80 N; Area = 8 mm2 = 8 x 10-6 m2 : γ = 77 kN/m3 Total weight of tape = 77 x 103 x 8 x 10-6 x 10 = 6.16 N Cs = LW 2 / 24n 2 P 2 =10 X 6.16 2 /24 X 1 2 X 80 2 = 0.00247 m Cs = 3 x 0.00247 = 0.00741 m True length = 30 – 0.00741 True length = 29.993 m	2	K1
	OR		
12b	**Explain the methods of chaining while there are obstacles such as building or river.** In this case it is required to prolong the chain line beyond the obstacle and to find the distance across it. In this case the typical obstacle is a building. One of the following two methods may be adopted. **FIRST METHOD:** On one side of the chain line AB, two points P and Q are selected. Perpendiculars of equal length PP' and QQ' are erected. The line P'Q' is extended till the building is passed. On the extended line, two points R and S are selected. The perpendicular at R and S are so erected such that RR' = SS' = QQ' = PP'. then the points P', Q', R' and S' will lie on the same line. Then Q'R = QR and the distance Q'R' is measured to set QR. then the line is extended.  **SECOND METHOD:** This method is also equally applicable for this condition. Two points P and Q on the chain line AB are selected on the one side of the chain line. A perpendicular QR is erected at Q such that QR = PR. Points P and R are jointed and extended upto S. A perpendicular SV is set at S such that PS = SV. On the line SV a point T is marked such that ST = SR. with V as centre and radius equal to QR cut an arc such that PQ = QR = VT = UT. Then U and V are on the chain line AB. The distance RT is measured. Thus the obstructed length, QU = RT.	3	K1

PART C

(Answer all the Questions 1 x 10 = 10 Marks)

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam – I Answer Key			Date/Session	11.09.2020 FN	Marks	50
Course code	EN 8491	Course Title	Water Supply Engineering			
Regulation	2017	Duration	90 minutes	Academic Year	2020-2021	
Year	III	Semester	V	Department	Civil	

COURSE OUTCOMES	
CO1:303.1	Enumerate knowledge on identification of sources and characteristics of water.
CO2:303.2	Explain the concept in collection and conveyance of water supply system.
CO3:303.3	Design the various functional units in water treatment.
CO4:303.4	Design the various functional units in advanced water treatment.
CO5:303.5	Analysis and design of distribution networks for a water supply system.
CO6:303.6	Design and evaluate water supply project alternatives on basis of chosen criteria.

Q.No.	Question
	PART A (Answer all the Questions 10 x 2 = 20 Marks)
1	List the objectives of the water supply system. The main objective of water supply system is to provide portable water to the various sections of community in accordance with their demand and requirement. i. It should ensure a constant and reliable water supply to the people. ii. It should help in supplying safe wholesome water to the people thereby promoting better health
2	What are the methods of population forecasting? a. Arithmetic increase method b. Geometric increase method c. Method of varying increment (or) Incremental increase method d. Decreasing rate of growth method e. Simple graphical method f. Comparative graphical method
3	Define "Design Period". The future period for which a provision is mode in the water supply scheme is known as design period.
4	What is water demand? State its types. a. Domestic water demand b. Industrial c. Institution and commercial d. Demand for public use e. Fire demands
5	Define wholesome water Wholesome water is defined as the water which containing minerals in small quantities and free from harmfu

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

	chemical impurities. It should be free from bacteria and should be colourless, tasty and odour free.
6	What is intake structures? Intakes are the structures used for admitting water from the surface source and conveying it further to the treatment plant. It is a masonry or concrete structure with an aim of providing relatively clean water, free from pollution, sand and objectionable floating material.
7	How to estimate storm runoff? (i) Inglis formula (ii) Khosla's formula (iii) Justin's formula (iv) Vermule's formula (v) Run-off co-efficient formula.
8	What are the sources of wastewater from a community? Surface water: (vi) Rivers (vii) Lakes (viii) Impounding reservoirs Ground waters: (i) Springs (ii) Infiltration galleries (iii) Wells
9	List the factors governing the selection of a particular source of water? (i) The quantity of available water (ii) The quality of available water (iii) Distance of the source of supply (iv) General topography of the intervening area
10	Differenciate between rainfall and runoff Run off is the portion which flows over the surface of ground as storm water or flood flow to appear in the form of stream. Rainfall results from precipitation which are measured as the vertical depth of water that would accumulate on a level surface.

PART B

(Answer all the Questions 2 x 10 = 20 Marks)

11a The population of 5 decades from 1930 to 1970 are given below .Find out the population after one, two a three decades beyond the last known decade by arithmetic increase and geometric increase method.

Year	1930	1940	1950	1960	1970
Population	25000	28000	34000	42000	47000

Arithmetic Increase Method:

P1=54200
P2=63500
P3= 72420

Geometric Increase Method:

P1=58400

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

	P2=66000 P3= 75400
	OR
11b	In two periods of each 20 years a city has grown from 30000 to 170000 and then 300000.Determine the saturation population. Ans:Population Saturation= 342600
12a	Explain about river intake structures with neat sketch? RIVER INTAKE: Water from the rivers is always drawn from the upstream side, because it is free from the contamination caused by the disposal of sewage in it. It is circular masonary tower of 4 to 7 m in diameter constructed along the bank of the river at such place from where required quantity of water can be obtained even in the dry period. The water enters in the lower portion of the intake known as sump well from penstocks.
	OR
12b	Explain about type of joints in pipes. (i) Spigot and socket joint. (ii) Expansion joint (iii) Flanged joint (iv) Screwed joint. (v) Collar joint. (vi) Flexible joint. SPIGOT AND SOCKET JOINT Sometimes this is called bell and spigot joint. This type of joint is mostly used for cast iron pipes. For the construction of tins joint the spigot or normal end of one pipe is slipped in socket or bell end of the other pipe until contact is made at the base of the bell. After this yarn of hemp is wrapped around the spigot end of the pipe and is tightly filled in the joint by means of yarning iron upto 5 cm depth. The hemp is tightly packed to maintain regular annular space and for preventing jointing material from falling inside the pipe.
	PART C (Answer all the Questions 1 x 10 = 10 Marks)
13a	Discuss the physical, chemical and biological characteristics of water. Characteristics of water are physical, chemical and bacteriological which defines water quality.

Physical Characteristics

- Turbidity
- Colour
- Taste and Odour
- Temperature

Chemical Characteristics:

- pH (Power or Percentage of Hydrogen)
- Acidity
- Alkalinity
- Hardness
- Chlorides
- Sulphates
- Iron
- Solids
- Nitrates

Bacteriological Characteristics:

Tests to indentify bacteria

- Standard plate count test
- Most probable number
- Membrane filter technique

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

OR

13b Explain about various types of pipes and its advantages and disadvantages?

1. Cast iron
2. Wrought iron
3. Steel
4. Galvanized iron
5. Cement concrete
6. Asbestos cement
7. Plastic
8. Copper
9. Lead

Course Faculty
(Name /Sign / Date)

HoD
(Name /Sign / Date)

management. Examples include PayPal, Mint, and Robinhood.
Education: These apps provide learning resources and educational content. Examples include Duolingo, Khan Academy, and Coursera.

These categories are not exhaustive, and many apps may fall into multiple categories, offering a combination of functionalities to meet users' diverse needs.

12a **List and explain the elements of mobile design.**

Mobile design involves creating interfaces and experiences for mobile devices. Several key elements are crucial for effective mobile design:

Responsive Design: Mobile devices come in various screen sizes and resolutions. A responsive design ensures that your app or website adapts and looks good on different devices, from smartphones to tablets.
User Interface (UI): The UI includes all the visual elements users interact with, such as buttons, menus, and forms. It should be intuitive, visually appealing, and easy to use on a small touchscreen.
User Experience (UX): UX encompasses the overall experience of using the app or website, including how easy it is to navigate, the speed of interactions, and the overall satisfaction of the user.
Navigation: Mobile apps should have simple and clear navigation to help users move between different sections or pages. Common navigation patterns include tab bars, side menus, and bottom navigation bars.
Typography: Text should be legible and easy to read on a small screen. Use appropriate font sizes and styles to enhance readability.
Color Scheme: Choose a color scheme that is visually appealing and consistent with your brand. Be mindful of color contrast to ensure readability, especially for users with visual impairments.
Icons and Images: Use icons and images to enhance visual appeal and convey information quickly. Ensure that icons are intuitive and have clear meanings.
Touch Gestures: Mobile devices rely on touch gestures for interaction. Design interfaces that are optimized for touch, with elements that are easy to tap and swipe.
Loading Times: Mobile users have limited patience for slow-loading apps or websites. Optimize your design to reduce loading times and improve performance.
Feedback and Confirmation: Provide feedback to users when they perform actions, such as button presses or form submissions. This helps users understand that their actions have been registered.

By considering these elements in your mobile design, you can create a user-friendly and engaging experience for your mobile app or website users.

OR

12b **Explain briefly about mobile information architecture.**

Mobile information architecture (IA) refers to the organization and structure of information within a mobile app or website. It involves designing a hierarchy that allows users to navigate and find information easily on small screens.

Key principles of mobile IA include:

Simplicity: Mobile screens have limited space, so the IA should be simple and straightforward. Avoid clutter and prioritize essential information.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Hierarchy: Create a clear hierarchy of information, with important content easily accessible from the main screen and less critical information nested within menus or subpages.

Navigation: Use intuitive navigation patterns, such as tabs, drawers, or bottom bars, to help users move between sections of the app or website.

Consistency: Maintain consistency in the placement of navigation elements and the organization of content throughout the app or website to reduce cognitive load for users.

Searchability: Provide a search function to allow users to quickly find specific information if the app or website contains a large amount of content.

Accessibility: Ensure that the IA is accessible to all users, including those with disabilities, by following best practices for accessibility in design.

Mobile IA plays a crucial role in the usability and user experience of a mobile app or website. A well-designed IA can help users find what they need quickly and efficiently, leading to higher user satisfaction and engagement.

PART C
(Answer all the Questions 1x10=10Marks)

13a **Elaborate on Mobile application medium types.**

Mobile applications can be categorized into different types based on the medium through which they deliver content and functionality. Here are some common types:

Native Apps: Native apps are developed for a specific platform, such as iOS or Android, using platform-specific programming languages (Swift or Objective-C for iOS, Java or Kotlin for Android). These apps can access the device's hardware and software features and offer the best performance and user experience. Examples include Facebook for iOS and Instagram for Android.

Web Apps: Web apps are accessed through a web browser and do not need to be downloaded or installed on the device. They are built using web technologies like HTML, CSS, and JavaScript and are responsive to different screen sizes. Web apps can be accessed on any device with a browser and an internet connection. Examples include Twitter's mobile web app.

Hybrid Apps: Hybrid apps are built using web technologies but are packaged as native apps. They can be distributed through app stores like native apps but use web views to display content. Hybrid apps can access some device features but may not offer the same performance as native apps. Examples include the Amazon Appstore and the Gmail app.

Progressive Web Apps (PWAs): PWAs are web apps that use modern web technologies to provide a native app-like experience. They can be installed on the device's home screen and can work offline. PWAs offer fast performance and can access some device features, making them a popular choice for mobile development. Examples include Twitter Lite and Pinterest.

Cross-Platform Apps: Cross-platform apps are developed using frameworks like React Native, Xamarin, or Flutter, which allow developers to write code once and deploy it to multiple platforms. These apps can access native features and offer near-native performance. Examples include Facebook Ads Manager and Alibaba.

AR/VR Apps: Augmented Reality (AR) and Virtual Reality (VR) apps use technology to enhance the user experience by overlaying digital content onto the real world (AR) or creating immersive virtual environments (VR). Examples include Pokémon GO (AR) and Oculus VR (VR).

Each type of mobile application medium has its advantages and disadvantages, and the choice of medium depends on factors such as the target audience, required features, development resources, and budget.

OR

13b **With neat diagram of mobile ecosystem,discuss its platforms and application frameworks.**

Mobile Ecosystem Overview: The mobile ecosystem consists of various components that work together to enable mobile computing and communication. At its core are the mobile devices themselves, including smartphones, tablets, and wearables. These devices run on different operating systems, each with its own ecosystem of apps and services. The mobile ecosystem also includes app stores, development tools, and the networks that connect devices to the internet.

Platforms: The two main platforms in the mobile ecosystem are Android and iOS.

Android: Developed by Google, Android is an open-source operating system used by many device manufacturers. It offers a high level of customization and flexibility for both users and developers. Android apps are primarily developed using Java or Kotlin.

iOS: Developed by Apple, iOS is a closed operating system exclusive to Apple devices. It is known for its smooth user experience and tight integration with Apple's hardware. iOS apps are developed using Swift or Objective-C.

Application Frameworks: Mobile app development frameworks provide developers with tools and libraries to simplify the development process. Some popular frameworks include:

React Native: Developed by Facebook, React Native allows developers to build cross-platform apps using JavaScript and React. It provides a native-like user experience and allows for code reuse across platforms.

Xamarin: Owned by Microsoft, Xamarin allows developers to build cross-platform apps using C# and .NET. It provides access to native APIs and UI controls, resulting in high-performance apps.

Flutter: Developed by Google, Flutter is a UI toolkit for building natively compiled applications for mobile, web, and desktop from a single codebase. It uses the Dart programming language and provides a rich set of customizable widgets.

These frameworks help developers create mobile apps more efficiently, allowing them to reach a broader audience across different platforms.

CS8691

Aritificial Inteligence
Answer Key

What is AI?

Artificial intelligence is the branch of computer science that deals with the automation of intelligent behavior. AI gives basis for developing human like programs which can be useful to solve real life problems and thereby become useful to mankind.

2. What is meant by robotic agent?

A machine that looks like a human being and performs various complex acts of a human being. It can do the task efficiently and repeatedly without fault. It works on the basis of a program feeder to it; it can have previously stored knowledge from environment through its sensors. It acts with the help of actuators.

3 Define an agent?

An agent is anything (a program, a machine assembly) that can be viewed as perceiving its environment through sensors and acting upon that environment through actuators

4 Define rational agent?

A rational agent is one that does the right thing. Here right thing is one that will cause agent to be more successful. That leaves us with the problem of deciding how and when to evaluate the agent's success.

5 Give the general model of learning agent

Learning agent model has 4 components – 1) Learning element. 2) Performance element. 3) Critic 4) Problem Generator

6. How will you measure the problem-solving performance?

Problem solving performance is measured with 4 factors. 1) Completeness - Does the algorithm (solving procedure) surely finds solution if really the solution exists. 2) Optimality – If multiple solutions exits then do the algorithm returns optimal amongst them. 3) Time requirement. 4) Space requirement.

7. What is the application of BFS?

It is simple search strategy, which is complete i.e. it surely gives solution if solution exists. If the depth of search tree is small then BFS is the best choice. It is useful in tree as well as in graph search.

8. list some of the uninformed search techniques?

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

The uninformed search strategies are those that do not take into account the location of the goal. That is these algorithms ignore where they are going until they find a goal and report success. The three most widely used uninformed search strategies are 1.depth-first search-it expands the deepest unexpanded node 2.breadth-first search-it expands shallowest unexpanded node 3.lowest -cost-first search (uniform cost search)- it expands the lowest cost node

9. When is the class of problem said to be intractable?

The problems whose algorithm takes an unreasonably large amount of resources (time and / or space) are called intractable. For example – TSP Given set of 'N' points, one should find shortest tour which connects all of them. 16!□Algorithm will consider all N! Orderings, i.e. consider n = 16 > 250 which is impractical for any computer

10. What is the power of heuristic search?

search uses problem specific knowledge while searching in state space. This helps to improve average search performance. They use evaluation functions which denote relative desirability (goodness) of a expanding node set. This makes the search more efficient and faster. One should go for heuristic search because it has power to solve large, hard problems in affordable times.

PART B

11.A. Properties of Environment The environment has multifold properties – 1. Fully observable vs Partially Observable 2. Static vs Dynamic 3. Discrete vs Continuous 4. Deterministic vs Stochastic 5. Single-agent vs Multi-agent 6. Episodic vs sequential 7. Known vs Unknown 8. Accessible vs Inaccessible

Fully observable vs Partially Observable: o If an agent sensor can sense or access the complete state of an environment at each point of time then it is a fully observable environment, else it is partially observable. o A fully observable environment is easy as there is no need to maintain the internal state to keep track history of the world. o An agent with no sensors in all environments then such an environment is called as unobservable.
Deterministic vs Stochastic: o If an agent's current state and selected action can completely determine the next state of the environment, then such environment is called a deterministic environment. o A stochastic environment is random in nature and cannot be determined completely by an agent. o In a deterministic, fully observable environment, agent does not need to worry about uncertainty.
Episodic vs Sequential: o In an episodic environment, there is a series of one-shot actions, and only the current percept is required for the action. o However, in Sequential environment, an agent requires memory of past actions to determine the next best actions.
Static vs Dynamic: o If the environment can change itself while an agent is deliberating then such environment is called a dynamic environment else it is called a static environment. o Static environments are easy to deal because an agent does not need to continue looking at the world while deciding for an action. o However for dynamic environment, agents need to keep looking at the world at each action. o Taxi driving is an example of a dynamic environment whereas Crossword puzzles are an example of a static environment.

Discrete vs Continuous: o If in an environment there are a finite number of percepts and actions that can be performed within it, then such an environment is called a discrete environment else it is called continuous environment. o A chess gamecomes under discrete environment as there is a finite number of moves that can be performed.

11.B. The Structure of Intelligent Agents Agent's structure can be viewed as – Agent = Architecture + Agent Program

Architecture = the machinery that an agent executes on.

Agent Program = an implementation of an agent function.

Different forms of Agent As the degree of perceived intelligence and capability varies to frame into four categories as, A. Simple Reflex Agents B. Model Based Reflex Agents C. Goal Based Agents D. Utility Based agents (A)Simple Reflex Agents They choose actions only based on the current percept.

- They are rational only if a correct decision is made only on the basis of current precept.
- Their environment is completely observable.

• Condition-Action Rule – It is a rule that maps a state (condition) to an action. Example1: ATM system if PIN matches with given account number than customer get money. Example2: (B)Model Based Reflex Agents They use a model of the world to choose their actions. They maintain an internal state. Model –

The knowledge about how the things happen in the world. Internal State – It is a representation of unobserved aspects of current state depending on percept history. Updating the state requires the information about – How the world evolves

.□ How the agent's actions affect the world.

• Example: Car driving agent which maintains its own internal state and then take action as environment appears to it. Goal Based Agents They choose their actions in order to achieve goals. Goal-based approach is more flexible than reflex agent since the knowledge supporting a decision is explicitly

modeled, thereby allowing for modifications. Goal – It is the description of desirable situations. Example: Searching solution for 8-queen puzzle. Utility Based Agents They choose actions based on a preference (utility) for each state. Goals are inadequate when – There are conflicting goals, out of which only few can be achieved.

- Goals have some uncertainty of being achieved and you need to weigh likelihood of

• success against the importance of a goal. Example: Millitary planning robot which provides certain plan of action to be taken.

12.A. AGENT Introduction An AI system is composed of an agent and its environment.

The agents act in their environment. The environment may contain other agents. An agent is

anything that can perceive its environment through sensors and acts upon that environment through actuators. Sensor:

Sensor is a device which detects the change in the environment and sends the information to other electronic devices. An agent observes its environment through sensors. Actuators: Actuators are the component of machines that converts energy into motion.

The actuators are only responsible for moving and controlling a system. An actuator can be an electric motor, gears, rails, etc. Effectors:

Effectors are the devices which affect the environment. Effectors can be legs, wheels, arms, fingers, wings, fins, and display screen. A human agent has sensory organs such as eyes, ears, nose, tongue and skin parallel to the sensors, and other organs such as hands, legs, mouth, for effectors. A robotic agent replaces cameras and infrared range finders for the sensors, and

- various motors and actuators for effectors. A software agent has encoded bit strings as its programs and actions Agent Terminology Performance Measure of Agent – It is the criteria, which determines how successful anagent is. Behavior of Agent – It is the action that agent performs after any given sequence of
- percepts. Percept – It is agent's perceptual inputs at a given instance
- Percept Sequence – It is the history of all that an agent has perceived till date
- Agent Function – It is a map from the precept sequence to an action

12.B. Breadth first search is a general technique of traversing a graph.

Breadth first search may use more memory but will always find the shortest path first. In this type of search the state space is represented in form of a tree.

The solution is obtained by traversing through the tree.

The nodes of the tree represent the start value or starting state, various intermediate states and the final state.

In this search a queue data structure is used and it is level by level traversal. Breadth first search expands nodes in order of their distance from the root. It is a path finding algorithm that is capable of always finding the solution if one exists.

The solution which is found is always the optional solution. This task is completed in a very memory intensive manner. Each node in the search tree is expanded in a breadth wise at each level.

Concept:

Step 1: Traverse the root node

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Step 2: Traverse all neighbours of root node.

Step 3: Traverse all neighbours of neighbours of the root node.

Step 4: This process will continue until we are getting the goal node.

Algorithm:

Step 1: Place the root node inside the queue.

Step 2: If the queue is empty then stops and return failure.

Step 3: If the FRONT node of the queue is a goal node then stop and return success

. Step 4: Remove the FRONT node from the queue.

Process it and find all its neighbours that are in readystate then place them inside the queue in any order.

Step 5: Go to Step 3.
Step 6: Exit.

Advantages:

In this procedure at any way it will find the goal. It does not follow a single unfruitful path for a long time. It finds the minimal solution in case of multiple paths.

Disadvantages:

BFS consumes large memory space. Its time complexity is more. It has long pathways, when all paths to a destination are on approximately the same search depth.

13.A. A* is a cornerstone name of many AI systems and has been used since it was developed in 1968 by Peter Hart; Nils Nilsson and Bertram Raphael. It is the combination of Dijkstra's algorithm and Best first search. It can be used to solve many kinds of problems. A* search finds the shortest path through a search space to goal state using heuristic function. This technique finds minimal cost solutions and is directed to a goal state called A* search. In A*, the * is written for optimality purpose. The A* algorithm also finds the lowest cost path between the start and goal state, where changing from one state to another requires some cost. A* requires heuristic function to evaluate the cost of path that passes through the particular state. This algorithm is complete if the branching factor is finite and every action has fixed cost. A* requires heuristic function to evaluate the cost of path that passes through the particular state. It

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number:											

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Exam - I			Date/Session		Marks	60
Course code	CS8391	Course Title	Data Structures			
Regulation	2017	Duration	120 minutes	Academic Year	2019-2020	
Year	2019	Semester	III	Department	CSE	

COURSE OUTCOMES

CO1:	Define linear and non-linear data structures.
CO2:	Implement abstract data types for linear data structures.
CO3:	Implement linear and non–linear data structure operations.
CO4:	Apply the different linear/non–linear data structure operations for solving a given problem.
CO5:	Apply appropriate graph algorithms for graph applications.
CO6:	Critically analyze the various sorting algorithms.

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 9x 2 = 18 Marks)**		
1	Define: Data Structure. Data structures is defined as the way of organizing all data items that consider not only the elements stored but also stores the relationship between the elements.	1	1
2	List out the disadvantages of Arrays. Fixed size It will support elements of data type	2	1
3	List out the advantages of using a linked list. It is not necessary to Specify the number of elements in a linked list during its declaration Linked list can grow and shrink in size depending upon the insertion and deletion that occurs in the list Insertions and deletions at any place in a list can be handled easily and efficiently A linked list does not waste any memory space	2	1
4	Differentiate: Arrays and Linked Lists.	2	2

Arrays	Linked Lists
Size of an array is fixed	Size of a list is variable
It is necessary to specify the number of elements during declaration.	It is not necessary to specify the number of elements during declaration
Insertions and deletions are somewhat difficult	Insertions and deletions are carried out easily
It occupies less memory than a linked list for the same number of elements	It occupies more memory

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

	Linked list consist of a series of structures which are not necessarily adjacent in memory each structure contains the element and a pointer to a structure containing its successor we call this the next pointer The last cell's next pointer points to NULL		
6	List out the applications of a linked list. Some of the important applications of linked lists are manipulation of polynomials, sparse matrices, stacks and queues.	2	2
7	List the various types of queues. Linear Queues Circular Queues Double-Ended-Queue	2	2
8	List the applications of stacks Towers of Hanoi Reversing a string Balanced parenthesis Recursion using stack Evaluation of arithmetic expressions	2	2
9	List out the basic operations that can be performed on a stack. Basic operations that can be performed on a stack are • push operation • pop operation • empty check • fully occupied check	2	2
	PART B **(Answer all the Questions 2 x 14 = 28 Marks)**		
11a	Explain Array based implementation of elements. - What is Array? - Operations on Array. - Insertion - Deletion - Print - Find - Advantages - Disadvantages	2	2
	OR		
11b	Elaborate the various operations on Singly Linked List. - Insertion - Deletion - Find - IsLast - IsEmpty - Advantages - Disadvantages	2	2
12a	Describe the various operations on Circularly Linked List. - Creation - Insertion - Deletion - Traversing	2	2

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

	- Advantages - Disadvantages		
	OR		
12b	Explain the Various Operations of stack using array. - Push() - Pop() - IsFull() - IsEmpty()	2	2
	PART C **(Answer all the Questions 1 x 14 = 14 Marks)**		
13a	Explain Polynomial manipulation in detail. - What is polynomial? - Polynomial ADT - Creation of the polynomial - Addition of two polynomial - Subtraction of two polynomial	2	2
	OR		
13b	Outline, how to convert Infix to Postfix expression with an example. - Steps - Program - Example	2	3

Course Faculty
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

INDRAGANESANCOLLEGEOFENGINEERING

IGValley, Manikandam,Tiruchirappalli, TamilNadu–620012,India

(ApprovedbyAICTE, NewDelhiandaffiliatedtoAnnaUniversity, Chennai)

InternalAssessmentExam -I

Coursecode	**CP5292**	**CourseTitle**	**Date/Session**	**Marks**	**50**
Regulation	**2017**	**Duration**	Internet of Things		
Year	**2019-20**	**Semester**	**90 minutes**	**AcademicYear**	**2019-20**
COURSEOUTCOMES			**II**	**Department**	**CSE**
CO1:	Analyze various protocols for IoT				
CO2:	Develop web services to access/control IoT devices				
CO3:	Design a portable IoT using Rasperry Pi				
CO4:	Deploy an IoT application and connect to the cloud				
CO5:	Analyze applications of IoT in real time scenario				

ANSWER KEY

PARTA

(Answer all the Questions 10x2 =20Marks)

1. Define IoT and how it works.

The internet of things, or IoT, is a network of interrelated devices that connect and exchange data with other IoT devices and the cloud. IoT devices are typically embedded with technology such as sensors and software and can include mechanical and digital machines and consumer objects.

An IoT ecosystem consists of web-enabled smart devices that use embedded systems -- such as processors, sensors and communication hardware -- to collect, send and act on data they acquire from their environments.

2. List and explain in brief about Features of IoT

Connectivity

Connectivity is the cornerstone of all IoT applications. Devices connected can share information and resources, helping them operate more efficiently and collaboratively. It also facilitates communication between devices and the cloud, allowing for data collection, processing, and storage. IoT devices can be connected through different communication protocols. Wired and wireless technologies are common methods for connecting devices, especially for long-distance connections that may require high data rates.

Autonomy & Interoperability

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

As technologies evolve, their features change and improve over time. As a relatively new technology, the IoT is evolving rapidly, with an increasing focus on autonomy and interoperability. Autonomy is a key feature of IoT that allows devices to operate without human intervention. This is especially important in industrial automation. Advanced IoT devices can sense and respond to changes in their environments. Interoperability is an essential feature of IoT that allows devices to communicate with one another across different brands, types, and protocols. Interoperable IoT devices can share data and resources and can be controlled remotely by authorized users.

Security & Privacy

Security is an essential feature of all computing systems, particularly when they are connected to the internet and collect sensitive data. IoT devices can often collect and process data, including personal information like names, addresses, and medical records. IoT devices also often have internet-facing interfaces that authorized users can access remotely. These features make them particularly vulnerable to security breaches. While security is an essential feature of IoT devices, it's important to note that security updates may not be available for all devices.

3. Differentiate web of things and IoT

    1. From the developers perspective, the WoT enables access and control over IoT resources and applications using mainstream web technologies (such as HTML 5.0, JavaScript, Ajax, PHP, Ruby n Rails, etc)
    2. The approach to building WoT is therefore based on RESTful principles and REST API s, which enable s both developers and deployers to benefit from the popularity and maturity of web technologies.
    3. Still, building the WoT has various scalability security etc challenges especially as part of a roadmap towards a global WoT.
    4. While IoT is about creating a network of objects, things, people, system and applications, WoT tries to integrate them to Web.
    5. Technically speaking WoT can be thought as flavor/Option of an application layer added over the IoT's network layer.
    6. However, the scope of the Internet of things applications is broader and includes systems that not accessible through the web (e.g. conventional WSN and RFID system)

4. Give the basic operations in IoT.

    The basic process of how IoT works is as follows: A group of physical devices is wired or wirelessly linked to each other and/or a central area. The devices collect data from the external world using some kind of sensor.

5. List out various IoT Protocol

    The Open Systems Interconnection (OSI) model provides a map of the various layers that send and receive data. Each IoT protocol in the IoT system architecture enables device-to-device, device-to-gateway, gateway-to-data center, or gateway-to-cloud communication, as well as communication between data centers.

6. Formulate the IoT maturity levels

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

First stage: Using IoT data to streamline processes

Second stage: Creating new revenue streams

Third stage: Using data-led insights to transform the business

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
...ndam, Trichy-620 012.

7. **How IoT templates are classified?**

ThingsBoard Cloud provides convenient IoT solution templates to reduce time-to-market for your IoT products. The template includes interactive dashboards, processing logic, sample devices, users and all other required entities.

8. **Summarize the application of YANG.**

Positioned as a next-generation modeling language, YANG is used to build data models. It is used to model the configuration data, status data, RPCs, and notifications used by network configuration management protocols (such as NETCONF and RESTCONF).

9. **List out the features of NETCONF.**

NETCONF Standard Features

NETCONF defines a series of standard capabilities, which enhance the NETCONF functionality and strengthen the fault tolerance and scalability. This facilitates the implementation of the NETCONF-based open network management architecture, and provides an efficient method for vendors to develop new functions.

Writable-running capability

This capability indicates that a device supports direct writes to the <running/> configuration datastore. Specifically, the device supports <edit-config> and <copy-config> operations on the <running/> configuration database.

Candidate configuration capability

This capability indicates that a device supports the <candidate/> configuration datastore, which stores a complete set of the device's configuration data. Such configuration data can be manipulated without impacting the device's current configuration.

Confirmed commit capability

This capability indicates that a device supports the <confirmed> and <confirm-timeout> parameters for the <commit> operation. This capability is mainly used in service trial run and verification scenarios.

<confirmed>: commits and converts the configuration data in the <candidate/> datastore into configuration data in the <running/> datastore.

<confirm-timeout>: specifies a timeout period for confirming the <commit> operation, in seconds. The default value is 600.

This capability is valid only when a device supports the candidate configuration capability.

Rollback-on-error capability

This capability allows a device to perform a rollback if an error occurs. Specifically, "rollback-on-error" can be carried in the <error-option> parameter of the <edit-config> operation. If an error occurs and the <rpc-error> element is generated, the server stops performing the <edit-config> operation and restores the specified configuration to the state before the <edit-config> operation is performed.

10. Bring out the system management in IoT.

IoT systems have complex software, hardware (sensors, actuators), network resources, data collection, analysis services, communication protocols, and user interfaces.

The need for managing IoT systems are:

1. **Automating Configuration:**

System management interfaces provide predicate and easy-to-use management capability to automation system configuration when a system consists of multiple devices or nodes.

Ensures all devices have the same configuration and variations or errors due to manual configurations are avoided.

2. **Monitoring Operational & Statistical Data:**

Operational data:- the system's operating parameters that are collected by the system at runtime.

Statistical data:- system performance (e.g. CPU and memory usage) data for fault diagnosis or prognosis (forecasting).

3. **Improved Reliability:**

By validating the system configurations before use.

4. **System-Wide Configuration:**

IoT systems consist of multiple devices or nodes, which have wide system configurations for the correct functioning.

Each device is configured separately (either manual or automated).

Used in system faults or undesirable outcomes.

Ensures that the configuration changes are either applied to all devices or to none.

In the failure, the configuration changes are rolled back.

5. **Multiple System Configurations:**

Some systems have multiple valid configurations according to different times or in certain conditions.

6. **Retrieving & Reusing Configurations**

Help in reusing the configurations for other devices of the same type.

Ensure that when a new device is added, the same configuration is applied.

The management system can retrieve the current configuration from a device and apply the same to the new devices.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Internal Assessment Answer Booklet

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	DHARANI · R			**Year/ Semester/Section**	2022/III
Batch No.	811221240009	**Date/Session**	13.10.22/FN	**Department**	AI&DS
Course code	AD3391	**Course Title**	Database Design and Management		
Internal Assessment Test	**IAT 1** ☑	**IAT 2** ☐	**IAT 3** ☐	**Model** ☐	
Name and Signature of the Invigilator with date			13/10/22 A. RAMYA		

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1	✓	2	11	✓	13			13
2		2	12	✓	12			12
3		1	13					
4		2	14	✓	13			13
5		2	15					
6	✓	2	16					
7	✓	2			38		Total	38
8	✓	1						
9	✓	2						
10	✓	2						
Total		18	Grand Total		56		Name and Signature of the Examiner with date	

To be filled by the examiner							
Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	25	35					
Marks Obtained	23	33					

IQAC Audit - Remarks

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Name and Signature of the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	Resika A.V.R			Year/ Semester/Section	2022/ II
Batch No.	812211xx1030	Date/Session	23.09.22	Department	CSE
Course code	CS3352	Course Title	Foundation of Data Science		
Internal Assessment Test	IAT 1 ☑	IAT 2 ☐	IAT 3 ☐	Model ☐	
Name and Signature of the Invigilator with date	Richard Sethinesany.				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	Total Marks
1	✓	2	11	✓	10			10
2	✓	2	12			✓	10	10
3	✓	2	13	✓	9			9
4	✓	2	14					
5	✓	1	15					
6	✓	2	16					
7	✓	2					Total	29
8	✓	2						
9	✓	2						
10	✓	2						
Total		19	Grand Total	48 v.good			Name and Signature of the Examiner with date	T. Santhi

To be filled by the examiner							
Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	32	18					50
Marks Obtained	31	17					48

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Retest Answer Book

Name	S. Vasanthavel			**Year/ Semester/Section**	II / III
Batch No.	811221104045	**Date/Session**	22.10.2022	**Department**	CSE
Course code	CS3352	**Course Title**	Foundation of Data Science		
Internal Assessment Test	**IAT 1** Retest ☑	**IAT 2** ☐	**IAT 3** ☐	**Model** ☐	
Name and Signature of the Invigilator with date	G Paneeth.				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C						Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks		
1		1	11		7				7
2		1	12				–		
3		2	13	✓	10				10
4		2	14						
5		2	15						
6		1	16						17
7		1					Total		
8		2							
9		1							
10		2							
Total		15	32						
			Grand Total						

T. Sasi
Name and Signature of the Examiner with date

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	32	18					50
Marks Obtained	22	10					32

IQAC Audit - Remarks

Dr. C. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Name and Signature of the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	P. Vinitha Devi			**Year/ Semester/Section**	I / I
Batch No.	811221405002	**Date/Session**	24.10.21	**Department**	CSE
Course code	CP4152	**Course Title**	Database		
Internal Assessment Test	**IAT 1** ☑	**IAT 2** ☐	**IAT 3** ☐	**Model** ☐	
Name and Signature of the Invigilator with date					

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		2	11		10			10
2		2	12				10	10
3		2	13		10			10
4		1	14					
5		1	15					
6		2	16					
7		2					Total	30
8		2						
9		1	47				Lakshmi.R	
10		2						
Total		17	Grand Total				Name and Signature of the Examiner with date	

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20					50
Marks Obtained	30	17					47

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	P. Vinitha Devi			**Year/ Semester/Section**	II / A
Batch No.	8112214505002	**Date/Session**	3/9/22	**Department**	CSE
Course code	CB 2391	**Course Title**	Security Practical		
Internal Assessment Test	**IAT 1** ☑	**IAT 2** ☐	**IAT 3** ☐	**Model** ☐	
Name and Signature of the Invigilator with date	T. Sooki				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		2	11		10			10
2		2	12				10	10
3		2	13		10			10
4		1	14					
5		1	15					
6		2	16					
7		2					Total	30
8		2						
9		1	47					
10		2						
Total		17	Grand Total				Name and Signature of the Examiner with date	

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20					50
Marks Obtained	30	17					47

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	A. Nithya			Year/ Semester/Section	I, I Sem
Batch No.	211911CH0214	Date/Session	29-12-21	Department	CSE
Course code	CY 3151	Course Title	Engineering Chemistry		
Internal Assessment Test	IAT1 ☐	IAT2 ☐	IAT3 ☐	Model	☑
Name and Signature of the Invigilator with date	S. Manikandan 29/12/2021				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1	✓	02	10	✓	15			15
2	✓	02	11	✓	14			14
3	✓	02	12					
4	✓	02	13					
5	✓	02	14					
6	✓	02	15					
7	✓	02					Total	29
8	✓	02	45		S. Baalan			
9		–			S. Baalan 29/12/21			
					Name and Signature of the Examiner with date			
Total		16	Grand Total					

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allocated	15	14					50
Marks Obtained	25	10					45

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	S. Naveen kumar			Year/ Semester/Section	I
Batch No.	812221104023	Date/Session	04-01-23	Department	CSE
Course code	CY3151	Course Title	Engineering Chemistry		
Internal Assessment Test		IAT 1 Retest ☐	IAT 2 ☐	IAT 3 ☐	Model ☐
Name and Signature of the Invigilator with date		A. Manimegalai 04/01/2023			

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	Total Marks
1	✓	02	10	✓	12			12
2	✓	01	11	✓	11			11
3	✓	01	12					
4	–	–	13					
5	✓	01	14					
6	✓	01	15					
7	✓	02					Total	23
8	✓	02	Grand Total: 35			Name and Signature of the Examiner with date: S. Boobalan, S. Barathi 04/01/23		
9	✓	02						
Total		12						

To be filled by the examiner							
Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20					50
Marks Obtained	20	15					35

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu - 622 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name | Year/Semester/Section

Batch No | Date/Session | Department

Course code | Course Title

Internal Assessment Test | IAT I ☐ | IAT II ☐ | IAT III ☐ | Model ☐

Name and Signature of the Invigilator with date

Instruction to the Student: Do not mark in the question attended in the column ignore question

Part A		Part B / Part C		
Q. No	Marks	Q. NO.	a Marks	b Marks	Total Marks
1		11	06		06
2		12	07		07
3		13	06		06
4		14			
5		15			
6		16			
7				Total	
8					
9					
10					
Total		Grand Total		Name and Signature of the Examiner with date	

To be filled by the examiner

Staff Audit - Remarks

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	Janani ✓			Year/ Semester/Section	I C
Batch No.	2018 - 2019	Date/Session	3/10/2018	Department	ECE
Course code	MA8151	Course Title	Engineering Mathematics		
Internal Assessment Test	IAT 1 ☐	IAT 2 ☐	IAT 3 ☐	Model	☑
Name and Signature of the Invigilator with date	M Ramesh 03/10/2018				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		2	11		(i) 8 (ii) 7			15
2		2	12				(i) 7 (ii) 7	14
3		1	13				(ii) 6 8	14
4		1	14		(i) 7 (ii) 8			15
5		0	15		15			15
6		0	16					73
7		1					Total	73
8		2						
9		1						
10		2						
Total		12	85/100 Grand Total				Mrs. Poonkodi Name and Signature of the Examiner with date	

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	20	80					100
Marks Obtained	12	73					85

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	T. Manoharan			Year/ Semester/Section	I – B
Batch No.	8112182051 / 2018 – 2019	Date/Session	10/10/2018	Department	IT
Course code	MA8151	Course Title	Engineering Mathematics		
Internal Assessment Test		IAT 1 ☐ Re Test	IAT 2 ☐	IAT 3 ☐	Model ☐
Name and Signature of the Invigilator with date			10/10/2018		

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		02	11		12			12
2		02	12		11			11
3		01	13		-			-
4		-	14				14	14
5		01	15					
6		01	16					37
7		02					Total	37
8		02						
9		02						
10		01						
Total		14	Grand Total		51			

10/10/2018
Mrs. Poonkodi
Name and Signature of the Examiner with date

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	20	80					100
Marks Obtained	14	37					51

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	P. Gayathri			**Year/ Semester/Section**	II / III		
Batch No.	811220104016	**Date/Session**	12.10.22. FN	**Department**	CSE		
Course code	CS8493	**Course Title**	Operating Systems				
Internal Assessment Test		**IAT 1** ☑	**IAT 2** ☐	**IAT 3** ☐	**Model** ☐		
Name and Signature of the Invigilator with date			S. Suganya 12/10/22				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					
Q. No.	✓	**Marks**	**Q. NO.**	✓	**a** Marks	✓	**b** Marks	**Total Marks**
1		2	11	✓	7			7
2		1	12				.	0
3		1	13			✓	8	8
4		1	14					
5		2	15					
6		2	16					
7		2					**Total**	15
8		2						
9		1						
10		1						
Total		15	**Grand Total** 30.				**Name and Signature of the Examiner with date**	

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	32	18					
Marks Obtained	17	13					

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	Vishwa . S			Year/ Semester/Section	III/V
Batch No.	811220103041	Date/Session	13/09/22	Department	Civil
Course code	CE8591	Course Title	foundation Engineering		
Internal Assessment Test	IAT 1 ☑	IAT 2 ☐	IAT 3 ☐	Model ☐	
Name and Signature of the Invigilator with date	G. DEEPAKKUMAR / 13/9/22.				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		2	11		–		10	10
2		2	12		10		–	10
3		2	13		–		10	10
4		2	14					–
5		2	15					–
6		–	16					
7		2					Total	40 30
8		2						
9		2						
10		–						
Total		16	Grand Total					

40 4b.
50

VAISHYAA.J
Vishya
Name and Signature of the Examiner with date 14/09/22

To be filled by the examiner							
Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20	–				50
Marks Obtained	26	20	–				40

IQAC Audit - Remarks

Mistake found in total but rectified and paper to student and the correction entered in the log book.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Name and Signature of the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book – Retest

Name	Muthu selvam. A			Year/ Semester/Section	IV / VII
Batch No.	811220103032	Date/Session	16/09/23	Department	civil
Course code	CE8591	Course Title	Foundation Engineering		
Internal Assessment Test		IAT 1 ☑	IAT 2 ☐	IAT 3 ☐	Model ☐
Name and Signature of the Invigilator with date					

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		2	11		7		–	7
2		2	12		7		–	7
3		2	13		–		7	7
4		2	14					
5		2	15					
6		–	16					
7		–					Total	21
8		2						
9		2						
10		2						
Total		16	Grand Total		37/50		Name and Signature of the Examiner with date	

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20	–	–	–	–	50
Marks Obtained	24	13	–	–	–	–	37

IQAC Audit - Remarks

Dr. C. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Name and Signature of the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	A. Gayathri			Year/ Semester/Section	III/VI/A
Batch No.	8112171103009	Date/Session		Department	CIVIL
Course code	CE8603	Course Title	Irrigation Engineering		
Internal Assessment Test		IAT 1 ☑	IAT 2 ☐	IAT 3 ☐	Model ☐
Name and Signature of the Invigilator with date					

Instruction to the Student: Put tick mark to the question attended in the column against question

Part A			Part B / Part C						Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks		
1		1	11		10		-		10
2		2	12		-		10		10
3		-	13		-		10		10
4		2	14						
5		2	15						
6		2	16						
7		2						Total	30
8		2	Grand Total			Name and Signature of the Examiner with date			
9		2	47/50						
10		2							
Total		17							

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20	-	-	-	-	50
Marks Obtained	30	17	-	-	-	-	47

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book – Retest

Name	Prabhu JJ			Year/ Semester/Section	IV/VII/A
Batch No.	8112810 3004	Date/Session		Department	CIVIL
Course code	EN8591	Course Title	Municipal Solid waste Management		
Internal Assessment Test	IAT 1 ☑	IAT 2 ☐	IAT 3 ☐	Model ☐	
Name and Signature of the Invigilator with date	K. GP				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		2	11		8		–	8
2		2	12		–		8	8
3		–	13		8		–	8
4		2	14					
5		2	15					
6		2	16					
7		2					Total	24
8		–	Grand Total			Name and Signature of the Examiner with date		
9		2	40/50			K. GP		
10		2						
Total		16						

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20	–	–	–	–	50
Marks Obtained	25	15	–	–	–	–	40

IQAC Audit - Remarks

Name and Signature of the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	M Hasiharan			Year/ Semester/Section	II/III
Batch No.	8112212250011	Date/Session	20/09/22	Department	Agri
Course code	CE3351	Course Title	Surveying and Levelling		
Internal Assessment Test	IAT 1 ☑	IAT 2 ☐	IAT 3 ☐	Model ☐	
Name and Signature of the Invigilator with date	G. DEEPAN KUMAR / G. [illegible]				

Instruction to the Student: Put tick mark to the question attended in the column against question

Part A			Part B / Part C					
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	Total Marks
1		2	11		-		10	10
2		2	12		10			10
3		2	13		-		10	10
4		2	14					-
5		-	15					-
6		2	16					-
7		2					Total	30
8		2						
9		-						
10		2						
Total		16	Grand Total				Name and Signature of the Examiner with date	

VAISHYAA J
21/09/22

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20					50
Marks Obtained	28	18					46

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	T Kaviya.			Year/ Semester/Section	III/III/A
Batch No.	811720252509	Date/Session	31/09/22	Department	Agri
Course code	CE2351	Course Title	Surveying & Levelling		
Internal Assessment Test	IAT 1 RE TEST ☑	IAT 2 ☐	IAT 3 ☐	Model ☐	
Name and Signature of the Invigilator with date	K. Sinjini				

Instruction to the Student: Put tick mark to the question attended in the column against question

Part A			Part B / Part C				Total Marks
Q. No.	✓	Marks	Q. NO.	a ✓ Marks		b Marks	
1		2	11	10		-	10
2		-	12	10		-	10
3		2	13	10		-	10
4			14				
5		2	15				
6			16				
7		2				Total	30
8		-					
9		2					
10		-					
Total		10	Grand Total	40/50		Name and Signature of the Examiner with date	KAUSHYABA-J 31/09/22

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	20					50
Marks Obtained	20	10					40

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	S. MUSARAF ALI			Year/ Semester/Section	III
Batch No.		Date/Session	11.9.2020	Department	CIVIL
Course code	EN8491	Course Title	WATER SUPPLY ENGG		
Internal Assessment Test	IAT 1 ☑	IAT 2 ☐	IAT 3 ☐	Model	☐
Name and Signature of the Invigilator with date	K. Saravanan/AP. 11/9				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C					Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	
1		2	11		8			8
2		2	12				6	6
3		2	13		7			7
4		1	14					
5		2	15					
6		2	16					
7		1					Total	24
8		2						
9		2						
10		1						
Total		17						

41/50
Grand Total

13/9/2020
Name and Signature of the Examiner with date

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted							
Marks Obtained							

IQAC Audit - Remarks

Name and Signature of the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	Prem Kumar. N			**Year/ Semester/Section**	IV/VIII/A
Batch No.	8112161040 31	**Date/Session**	2.5.19	**Department**	CSE
Course code	CS6008	**Course Title**	HCI		
Internal Assessment Test	**IAT 1** ☐	**IAT 2** ☑	**IAT 3** ☐	**Model** ☐	
Name and Signature of the Invigilator with date		2/5/19			

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C						Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks		
1		2	11				12		12
2		2	12		11				11
3		2	13				13		13
4		2	14						
5		1	15						
6		0	16						
7		2						Total	36
8		1							
9		1							
10		2	51						
Total		15	Grand Total				Name and Signature of the Examiner with date		

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	30					60
Marks Obtained	15	36					51

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley,Manikandam,Tiruchirappalli,TamilNadu–622012,India
(Approved by AICTE,NewDelhi and affiliated to AnnaUniversity, Chennai)

Internal Assessment Test Answer Book

Name	Gwendolyn Rosetta . G			Year/Semester/Section	I/I
Batch No.	811218405002	Date/Session	8.9.2018	Department	M.E.CSE
Course code	CP5151	Course Title	Advance Data Structures & Algorithms		
Internal Assessment Test	IAT1 ☑	IAT2 ☐	IAT3 |	Model |	
Name and Signature of the Invigilator with date					

Instruction to the Student: Put tick mark to the question attended in the column against question.

PartA			PartB/PartC						TotalMarks
Q.No.	✓	Marks	Q.NO.	✓	a Marks	✓	b Marks		
1		2	11		10				10
2		2	12		6				6
3		1	13				6		6
4		0	14						
5		2	15						
6		2	16						
7		2						Total	22
8		2							
9		2							
10		2							
Total		18							

40
Grand Total

Name and Signature of the Examiner with date

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted							
Marks Obtained							

IQACAudit-Remarks

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

NameandSignatureof the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	R. Ajith Kumar			**Year/ Semester/Section**	II / III
Batch No.	8112181040002	**Date/Session**	2/9/19	**Department**	CSE
Course code	CS8391	**Course Title**	Data Structure		
Internal Assessment Test	**IAT 1** ☒	**IAT 2** ☐	**IAT 3** ☐	**Model** ☐	
Name and Signature of the Invigilator with date	G. REVATHI				

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C						Total Marks
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks		
1	✓	2	11				12		12
2	✓	2	12		11				11
3	✓	1	13		13				13
4	✓	2	14						
5	✓	2	15						
6	✓	1	16						
7	✓	2					Total		36
8	✓	2							
9	✓	2							
10	✗		52						
Total		16	Grand Total				Name and Signature of the Examiner with date		

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted	30	30					
Marks Obtained	26	27					

IQAC Audit - Remarks

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Name and Signature of the IQAC member

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 622 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Test Answer Book

Name	Harish. V			**Year/ Semester/Section**	I/II
Batch No.	8112184050	**Date/Session**		**Department**	ME CSE
Course code	CP5291	**Course Title**	Internet of Things		
Internal Assessment Test	**IAT 1** ☑	**IAT 2** ☐	**IAT 3** ☑	**Model** ☐	
Name and Signature of the Invigilator with date					

Instruction to the Student: Put tick mark to the question attended in the column against question.

Part A			Part B / Part C						
Q. No.	✓	Marks	Q. NO.	✓	a Marks	✓	b Marks	Total Marks
1		2	11		10			
2		2	12				10	
3		2	13		10			
4		1	14					
5		2	15					
6		1	16					
7		2					Total	30
8		2						
9		2						
10								
Total		16	46					

Grand Total

Name and Signature of the Examiner with date

To be filled by the examiner

Course Outcomes	1	2	3	4	5	6	Total
Marks allotted							
Marks Obtained							

IQAC Audit - Remarks

Name and Signature of the IQAC member

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Co Based Mark Entry

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL ASSESSMENT TEST-I

SUBJECT CODE &TITLE: CS3352 & Foundations of Data Science

YEAR/SEM: II/III **MONTH & YEAR: 12.10.2022**

S.NO	REG NO	STUDENT NAME	CO203.1 (32)	CO203.2 (18)	TOTAL (50)	TOTAL (100)
1.	811221104001	AKSHAY K	26	10	36	72
2.	811221104002	BHARATHKUMAR S M	25	12	37	74
3.	811221104004	DHINESH C	50	5	20	40
4.	811221104005	EYARKAI KAMALI R	30	16	46	92
5.	811221104006	GOKULNATH P R	28	14	42	84
6.	811221104007	HARIHARASWAMY M	14	12	26	52
7.	811221104008	HARISH R	23	6	29	58
8.	811221104009	HARRISH M	15	10	25	50
9.	811221104011	HEMA T	29	14	43	86
10.	811221104012	JACOP ANTONY L	22	8	30	60
11.	811221104013	JEEVANANTHAM S	25	9	34	68
12.	811221104014	KATHIRVEL K	20	8	28	56
13.	811221104015	KEERTHANA J	24	11	35	70
14.	811221104018	MANIKANDAN N	29	14	46	86
15.	811221104020	MOHAMED THOUFIK U	26	12	38	76
16.	811221104023	NAVEENKUMAR S	20	9	29	58
17.	811221104024	NITHYA A	27	12	39	78
18.	811221104025	POORNIMA C	26	10	36	72
19.	811221104026	PRASANNA BALAJI C	29	13	42	84
20.	811221104028	RAJAPUSHPAM V	26	11	37	74
21.	811221104029	REETHIKA R	29	15	44	88
22.	811221104030	RESIKA A V R	31	17	48	96
23.	811221104031	SANTHOSH P	12	7	19	38
24.	811221104032	SARAVANAPERUMAL S	17	9	26	52
25.	811221104034	SELVALAKSHMI G	22	11	33	66
26.	811221104035	SIVAKUMAR P	20	11	31	62
27.	811221104036	SUDHAKARAN V	19	8	27	54
28.	811221104037	SUGAVANESHWARAN S	27	13	40	80

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

29.	811221104038	SUMAIYA BEGAM S	26	12	38	96
30.	811221104040	SURUTHI Y	28	14	42	84
31.	811221104041	SURYA D	20	9	29	58
32.	811221104043	SYED ANWAR S	25	10	35	70
33.	811221104045	VASANTHAVEL S	16	18	24	48
34.	811221104046	VENGADESWARI M	24	10	34	68
35.	811221104048	VISHWA S	23	9	32	64
36.	811221104049	YOGAPRIYA N	27	10	37	74

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	3	4	9	7	9	6	2

Total No.of Candidates Present	36
Total No.of Candidates Absent	0
Total No.of Students Pass	33
Total No. of Students Fail	3
Percentage of Pass	91%

STAFF INCHARGE **HoD/CSE** **PRINCIPAL**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL ASSESSMENT RETEST-I

SUBJECT CODE &TITLE: CS3352 & Foundations of Data Science

YEAR/SEM: II/III **MONTH & YEAR:** 20.10.2022

S.NO	REG NO	STUDENT NAME	CO203.1 (32)	CO203.2 (18)	TOTAL (50)	TOTAL (100)
1.	811221104004	DHINESH C	23	6	29	58
2.	811221104031	SANTHOSH P	23	9	32	64
3.	811221104045	VASANTHAVEL S	22	10	32	64
4.						
5.						

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	1	2	0	0	0

Total No.of Candidates Present	3
Total No.of Candidates Absent	0
Total No.of Students Pass	3
Total No. of Students Fail	0
Percentage of Pass	100%

STAFF INCHARGE **HoD/CSE** **PRINCIPAL**

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620012

DEARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

ACADEMIC YEAR 2021 – 2022 (EVEN SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL ASSESSMENT I

SUBJECT CODE &TITLE: AD3391 & DATABASE DESIGN AND MANAGEMENT

YEAR/SEM: II/III **MONTH & YEAR: OCTOBER/2022**

S.NO	REG NO	STUDENT NAME	C224.1 (25)	C224.2 (35)	TOTAL (60)	TOTAL (100)
1.	811221243002	ABDUR RAHMAN J	20	32	52	86
2.	811221243004	ARUN KUMAR M	19	29	48	80
3.	811221243006	BHARATH KUMAR R	20	30	50	83
4.	811221243009	DHARANI R	24	32	56	93
5.	811221243013	JAVAHAR NISHA B	23	31	54	90
6.	811221243025	MOHAMED FAHADHU A	21	30	51	85
7.	811221243032	RAKESH S	19	29	48	80

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	0	0	2	3	2

Total No.of Candidates Present	7
Total No.of Candidates Absent	0
Total No.of Students Pass	7
Total No. of Students Fail	0
Percentage of Pass	100%

STAFF INCHARGE HoD/AI&DS PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021 – 2022 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL ASSESSMENT TEST-1

SUBJECT CODE &TITLE: CP4152 & Database practices

YEAR/SEM: II/III **MONTH & YEAR:** 2021 & Oct

S.NO	REG NO	STUDENT NAME	COX (32)	COX (18)	TOTAL (50)	TOTAL (100)
1.	811220405001	Madhumathi K	30	18	48	96
2.	811220405002	Vinitha Devi P	30	17	47	94

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	0	0	0	0	2

Total No.of Candidates Present	2
Total No.of Candidates Absent	0
Total No.of Students Pass	2
Total No. of Students Fail	0
Percentage of Pass	96%

STAFF INCHARGE **HoD/CSE** **PRINCIPAL**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL ASSESSMENT TEST-1

SUBJECT CODE &TITLE: CP4391& SECURITY PRACTICES

YEAR/SEM: II/III **MONTH & YEAR:**

S.NO	REG NO	STUDENT NAME	COX (32)	COX (18)	TOTAL (50)	TOTAL (100)
1.	811220405001	Madhumathi K	30	16	46	92
2.	811220405002	Vinitha Devi P	28	18	46	92

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	0	0	0	0	2

Total No.of Candidates Present	2
Total No.of Candidates Absent	0
Total No.of Students Pass	2
Total No. of Students Fail	0
Percentage of Pass	92

STAFF INCHARGE **HoD/CSE** **PRINCIPAL**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRAGANESANCOLLEGEOFENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012DEPARTMENT OF AGRICULTURAL ENGINEERINGACADEMICYEAR 2022 –2023 (ODDSEMESTER)

STUDENTSMARKSTATEMENT-COBASED

AIE-I

SUBJECTCODE&TITLE: CE3351- ENGINEERING CHEMISTRY

YEAR/SEM:I/I **MONTH&YEAR:SEP/2021**

S.NO	REGNO	STUDENTNAME	CO1	CO2	TOTAL (50)	TOTAL(100)
1	811221104001	AKSHAY K	16	10	26	52
2	811221104002	BHARATHKUMAR S M	AB	AB	AB	AB
3	811221104003	BHUVANESHWARI M	11	32	43	86
4	811221104004	DHINESH C	10	19	29	58
5	811221104005	EYARKAI KAMALI R	17	28	45	90
6	811221104006	GOKULNATH P R	14	25	39	78
7	811221104007	HARIHARASWAMY M	15	20	35	70
8	811221104008	HARISH R	40	20	36	72
9	811221104009	HARRISH M	10	18	28	56
10	811221104010	HARUN RASHEETH S	08	08	16	32
11	811221104011	HEMA T	16	26	42	84
12	811221104012	JACOP ANTONY L	08	10	18	36
13	811221104013	JEEVANANTHAM S	16	26	42	84
14	811221104014	KATHIRVEL K	12	23	25	50
15	811221104015	KEERTHANA J	12	18	30	60
16	811221104016	KOWSHIK G	14	10	24	48
17	811221104017	MADHAN KUMAR P	12	20	32	64
18	811221104018	MANIKANDAN N	08	15	23	46
19	811221104019	MOHAMED GANI A	16	20	36	72
20	811221104020	MOHAMED THOUFIK U	10	10	20	40
21	811221104021	MOHAMED YUNUZ R	14	29	43	86
22	811221104022	MOHAMMED RISWAAN M	AB	AB	AB	AB
23	811221104023	NAVEENKUMAR S	06	05	11	22
24	811221104024	NITHYA A	16	29	45	90
25	811221104025	POORNIMA C	14	28	42	84
26	811221104026	PRASANNA BALAJI C	12	09	21	42
27	811221104027	PRAVEEN JAYASEELAN B	10	15	25	50
28	811221104028	RAJAPUSHPAM V	12	25	37	74
29	811221104029	REETHIKA R	16	22	37	74
30	811221104030	RESIKA A V R	18	29	47	94
31	811221104031	SANTHOSH P	09	16	25	50
32	811221104032	SARAVANAPERUMAL S	16	28	44	88
33	811221104034	SELVALAKSHMI G	15	20	35	70

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRAGANESANCOLLEGEOFENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012DEPARTMENT OF AGRICULTURAL ENGINEERINGACADEMICYEAR 2022 –2023

TotalNo.ofCandidatesPresent	7
TotalNo.ofCandidatesAbsent	0
TotalNo.ofStudentsPass	7
TotalNo.ofStudentsFail	0

(ODDSEMESTER)

STUDENTSMARKSTATEMENT-COBASED

RETEST

SUBJECTCODE&TITLE: CE3151- Engineering Chemistry

YEAR/SEM:I/I **MONTH&YEAR:SEP/2021**

S.NO	REGNO	STUDENTNAME	CO1	CO2	TOTAL(50)	TOTAL(100)
1.	811221104002	BHARATHKUMAR S M	10	13	23	46
2.	811221104002	HARUN RASHEETH S	14	16	30	60
3.	811221104002	JACOP ANTONY L	13	23	36	72
4.	811221104002	MOHAMED THOUFIK U	14	20	33	66
5.	811221104002	NAVEENKUMAR S	08	16	24	48
6.	811221104002	PRASANNA BALAJI C	10	18	28	56
7.	811221104002	SURIYA R	15	28	43	86

MARKSRANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	02	2	1	1	1	0

STAFFINCHARGE **HoD** **PRINCIPAL**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIKANDAM, TIRUCHIRAPPALLI – 620012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2021 – 2022 (EVEN SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL ASSESSMENT I

SUBJECT CODE &TITLE: CS8493 & Operating System

YEAR/SEM: 2nd year / 4th Semester **MONTH & YEAR:**

S.NO	REG NO	STUDENT NAME	CO204.1 (32)	CO204.2 (18)	TOTAL (50)	TOTAL (100)
1	811220104002	Akshaya T	26	10	36	72
2	811220104004	Appas Ali D	25	12	37	74
3	811220104005	Aravindh V K	20	5	20	40
4	811220104007	Ayisha Siddeequa A	30	16	46	92
5	811220104008	Benasir S	28	28	14	84
6	811220104012	Cibina S	14	12	26	52
7	811220104013	Devi K	23	6	29	58
8	811220104014	Divyadharshini A	15	10	25	50
9	811220104015	Divyakeerthan P	29	14	43	86
10	811220104016	Gayathri P	22	8	30	60
11	811220104017	Gnanaprakasam A	25	9	34	68
12	811220104018	Gowrisankar G	20	8	28	56
13	811220104019	Hariharan K	24	11	35	70
14	811220104024	Kamali A	29	14	46	86
15	811220104025	Kamatchi S	26	12	38	76
16	811220104027	Kiruthika M	20	9	29	58
17	811220104029	Mathavan N	27	12	39	78
18	811220104031	Monisha R	26	10	36	72
19	811220104032	Priya P	29	13	42	84
20	811220104033	Priyadharshini G	26	11	37	74
21	811220104039	Sathyapriya N	29	15	44	88
22	811220104041	Sivaranjani M	31	17	48	96
23	811220104043	Sneka R	12	7	19	38

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

24	811220104046	Sumithira R	17	9	26	52
25	811220104048	Swarnambigai V	22	11	33	66
26	811220104050	Thirumavalavan K	20	11	31	62
27	811220104051	Vinith Roshan A	19	8	27	54
28	811220104052	Yuvaraj M	27	13	40	80
29	811220104053	Yuva Sri S	26	12	38	96
30	811220104301	Santhosh Kumar S	28	14	42	84

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	1	0	6	3	6	7	3

Total No.of Candidates Present	30
Total No.of Candidates Absent	0
Total No.of Students Pass	30
Total No. of Students Fail	0
Percentage of Pass	100 %

STAFF INCHARGE **HoD/CSE** **PRINCIPAL**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING
IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2022 – 2023 (EVEN SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL TEST-I

SUBJECT CODE &TITLE: EE3401 TRANSMISSION & DISTRIBUTION

YEAR/SEM: II/IV **MONTH & YEAR:**

S.NO	REG NO	STUDENT NAME	CO1 (26)	CO2 (2)	CO3 (12)	CO4 (10)	TOTAL (50)
1.	811219105001	ARULRAJ .A	12	01	10	07	30
2.	811219105002	BARATH M.M	09	01	07	02	19
3.	811219105003	MANIKANDAN A	09	00	07	02	18
4.	811219105004	MANIKANDAN K	13	01	10	07	31
5	811219105005	PONNALAGU C	12	01	10	07	30
6	811219105006	SALAMON A	13	00	10	06	29
7	811219105007	SARAVANAKUMAR M	13	00	10	05	28
8	811219105008	SOLAIMATHI .K	10	00	10	07	27
9	811219105701	DHEVENTHIRAN .P	13	00	00	00	13
10	811219105301	VENKATRAMAN	13	01	10	07	31

Total No.of Candidates Present	**10**
Total No.of Candidates Absent	**00**
Total No.of Students Pass	**07**
Total No. of Students Fail	**03**
Percentage of Pass	**70**

STAFF INCHARGE **HoD/EEE** **PRINCIPAL**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF MATHEMATICS

ACADEMIC YEAR 2018 – 2019 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

AIE-I

SUBJECT CODE &TITLE: MA8151 – Engineering Mathematics I

YEAR/SEM: I/I **MONTH & YEAR: OCT/2018**

S.NO	REG NO	NAME	CO 1	CO 2	TOTAL (50)	TOTAL (100)
1	811218205001	Deepa T	25	17	42	84
2	811218205002	Dharshini K	22	16	38	76
3	811218205003	Gopi U	28	18	46	92
4	811218205004	Harish R	23	12	35	70
5	811218205005	Irudhayaraj A	22	17	39	78
6	811218205006	Janani S	25	12	37	74
7	811218205007	Janarthanan	19	18	37	74
8	811218205008	Kamalesh A	24	17	41	82
9	811218205009	Kaviyarasu C	19	18	37	74
10	811218205010	Kayalvizhi.B	20	20	40	80
11	811218205011	Manoharan T	12	12	24	48
12	811218205012	Meena R	24	14	38	76
13	811218205013	Milton Billgates J	22	20	42	82
14	811218205014	Mohammed Aarif J	24	20	44	88
15	811218205015	Pavithra.N	22	24	46	92
16	811218205016	Priyanka A	18	17	35	70
17	811218205017	Robinson Isaiah E	AB	AB	AB	AB
18	811218205018	Selvi M	16	16	32	64
19	811218205019	Shalini Gayathri S	18	14	32	64
20	811218205020	Sivaraman S	26	14	40	80
21	811218205021	Snekaa R	24	18	42	84
22	811218205022	Suganya K	19	19	38	76
23	811218205023	Vasanth S	20	24	44	88
24	811218205024	Vijayakaran M	16	20	36	72
25	811218205025	Wilson Jayaraj S	18	14	32	64
26	811218205026	Antony Arul Doss A	AB	AB	AB	AB
27	811218205027	Geethanjali R	11	10	21	42
28	811218205001	Deepa T	13	15	28	56
29	811218205002	Dharshini K	16	18	34	68
30	811218205003	Gopi U	18	18	36	72
31	811218205004	Harish R	14	18	32	64
32	811218205005	Irudhayaraj A	24	24	48	96

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	1	2	5	14	8	5

Total No.of Candidates Present	35
Total No.of Candidates Absent	02
Total No.of Students Pass	34
Total No. of Students Fail	01
Percentage of Pass	97%

K Poogalis 5/10/2018
STAFF INCHARGE

P. Bhuvaneswari
HoD/S & H

PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF MATHEMATICS

ACADEMIC YEAR 2018 – 2019 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

RETEST

SUBJECT CODE &TITLE: MA8151 – ENGINEERING MATHEMATICS I

YEAR/SEM: I/I **MONTH & YEAR: OCT/2018**

S.NO	REG NO	STUDENT NAME	CO1	CO2	TOTAL (50)	TOTAL (100)
1.	811218205011	MANOHARAN T	25	15	40	80
2.	811218205027	GEETHANJALI R	22	10	32	64

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	0	1	1	0	0

Total No.of Candidates Present	2
Total No.of Candidates Absent	0
Total No.of Students Pass	2
Total No. of Students Fail	0

STAFF INCHARGE

HoD/S & H

PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

EPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2018 – 2019 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

CYCLE TEST-III

SUBJECT CODE &TITLE: EE8301&ELECTRICAL MACHINES – I

YEAR/SEM: II/III **MONTH & YEAR: 2018**

S.NO	REG NO	STUDENT NAME	CO4 (30)	CO5 (20)	TOTAL (50)
1.	811218105001	Arun praveen raj A	22	12	34
2.	811218105002	Hariharan M	20	12	32
3.	811218105003	Inbaraj A	23	12	35
4.	811218105004	Jeya stephen S	20	10	30
5.	811218105005	Manikandan N	10	10	20
6.	811218105006	Padmanaban A	15	12	27
7.	811218105007	Sasikumar R	24	13	37
8.	811218105008	Sivakumar P	21	17	38
9.	811218105009	Veera ragavan A	18	18	36
10.	811218105010	Yuvaraj S	29	19	48

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
-	2	7	1	-	-	-	-	-

Total No.of Candidates Present	**10**
Total No.of Candidates Absent	**NIL**
Total No.of Students Pass	**9**
Total No. of Students Fail	**1**
Percentage of Pass	**90**

K. Sivakumar G. Malathi

STAFF INCHARGE **HoD/EEE**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620012

DEARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

ACADEMIC YEAR 2021 – 2022 (EVEN SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNAL ASSESSMENT I

SUBJECT CODE &TITLE: CP5292&INTERNRT OF THINGS

YEAR/SEM: IM.E/I I **MONTH & YEAR:** OCT 2020

S.NO	REG NO	STUDENT NAME	C224.1 (25)	C224.2 (25)	TOTAL (50)	TOTAL (100)
1.	811218405001	Aswini. M	15	14	29	58
2.	811218405002	Gwendolyn Rosetta.G	14	13	27	54
3.	811218405003	Harish.V	13	13	26	52
4.	811218405004	Nirmala.N	20	10	30	60

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	4	0	0	0	0

Total No.of Candidates Present	4
Total No.of Candidates Absent	0
Total No.of Students Pass	4
Total No. of Students Fail	0
Percentage of Pass	100%

STAFF INCHARGE HoD/CSE PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012,
India (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2019 – 2020 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

Internal Exam 1

SUBJECT CODE &TITLE: CS8391 & Data Structures

YEAR/SEM: II/III **MONTH & YEAR: AUG&2019**

S.NO	REG NO	STUDENT NAME	COX (Y)	COX (Y)	TOTAL (60)
1	811218104001	Aishwarya M	20	21	41
2	811218104002	Ajith Kumar R	21	12	33
3	811218104003	Aravindh Samy P	4	7	11
4	811218104004	Arjun V	24	13	37
5	811218104005	Dharshini A	28	20	48
6	811218104006	Dinesh Kumar K	21	19	40
7	811218104007	Gowtham K	16	28	44
8	811218104008	Hariharan N	19	17	36
9	811218104009	Hema Latha B	18	22	40
10	811218104010	Jegathiswari.D	19	11	30
11	811218104011	Joshi Dayana K	25	23	48
12	811218104012	Kanagaraj K S	17	13	30
13	811218104013	Kiruthiga V	22	24	46
14	811218104014	Madhavan S	26	24	50
15	811218104015	Mahendran S	12	21	33
16	811218104017	Muthaiya P	19	12	31
17	811218104018	Neethimozhi A	23	10	33
18	811218104019	Nithya P	17	14	31
19	811218104020	Nivedha S	25	26	51
20	811218104021	Priyanga.G	20	23	43
21	811218104022	Ramya R	AB	AB	AB
22	811218104023	Sharvesh Charan.S.A	13	21	34
23	811218104024	Sathasivam P	31	12	43
24	811218104026	Shalini P	19	21	40
25	811218104027	Shanmuganathan P	21	13	34
26	811218104028	Sheela.S	26	11	37
27	811218104029	Sudhakaran C	17	16	33
28	811218104030	Sugasini.G	15	15	30
29	811218104031	Vaishnavi G	24	21	45
30	811218104032	Vigna Sri S	28	24	52

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED
INTERNAL ASSESSMENT TEST-1

SUBJECT CODE &TITLE: CP5151& ADVANCED DATASTRUCTURES AND ALGORITHMS

YEAR/SEM: I/I **MONTH & YEAR:**

S.NO	REG NO	STUDENT NAME	COX (32)	COX (18)	TOTAL (50)	TOTAL (100)
1.	81218405001	Aswini. M	30	15	45	90
2.	81218405002	Gowenddeyn Rosetta.G	25	10	35	70
3.	81218405003	Harish. V	20	9	29	58
4.	81218405004	Nirmala. N	24	12	36	72

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
				1	1	1	1	

Total No.of Candidates Present	4
Total No.of Candidates Absent	0
Total No.of Students Pass	4
Total No. of Students Fail	0
Percentage of Pass	100 %

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Signature of the Faculty In-charge

HOD/CSE

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED
INTERNAL ASSESSMENT TEST-1

SUBJECT CODE &TITLE: CS6008- Human Computer Interaction

YEAR/SEM: IV/VI **MONTH & YEAR:** MAY & 2018

S.NO	REG NO	STUDENT NAME	COX (32)	COX (18)	TOTAL (50)	TOTAL (100)
1.	811215104001	Abhinaya. R	20	11	31	62
2.	811215104002	Abirami.A	21	12	33	66
3.	811215104003	Apporvavalli.A	4	7	11	22
4.	811215104004	Aravinth.B	24	13	37	74
5.	811215104005	Balaji.G	28	10	38	76
6.	811215104006	Balaji.G[29.1.98]	21	18	39	78
7.	811215104007	Barani Kumar.M	16	18	34	68
8.	811215104009	Denima.A	19	17	36	72
9.	811215104010	Dhurga Devi.M	18	12	30	60
10.	811215104013	Giridharani.S	19	11	30	60
11.	811215104014	Gokila.R	25	13	38	76
12.	811215104015	Gomathi.A	17	13	30	60
13.	811215104016	Hema.P	22	14	36	72
14.	811215104017	Hemasivasankari.S	26	14	40	80
15.	811215104018	Indhu.S	12	11	23	46
16.	811215104019	Indira.K.J	19	12	31	62
17.	811215104020	Kanaga Raj.P	23	10	33	66
18.	811215104021	Keerthana.R.R	17	14	31	62
19.	811215104022	Keerthana.S	25	16	41	82

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

20.	811215104023	Mani Kandan.A	20	9	29	58
21.	811215104024	Mani Kandan.P	AB	AB	AB	AB
22.	811215104025	Meena.A	21	13	34	68
23.	811215104026	Murali.S	31	12	43	86
24.	811215104027	Narkis Banu.A	21	17	38	76
25.	811215104028	Nirosha.K	21	13	34	68
26.	811215104029	Pradeep.T	26	11	37	74
27.	811215104030	Praveen Kumar.V	17	16	33	66
28.	811215104031	Prem Kumar.N	15	15	30	60
29.	811215104032	Priya.M	24	11	35	70
30.	811215104033	Priyanga.P	28	14	42	84
31.	811215104034	Rajmohan.V	19	11	30	60
32.	811215104035	Ramalakshmi.M	16	14	30	60
33.	811215104036	Ramya.K	18	16	34	68
34.	811215104037	Roselin Lithveena.J	21	13	34	68
35.	811215104038	Sangeetha.I	31	12	43	86
36.	811215104039	Saranya.M	21	17	38	76
37.	811215104040	Shabika Banu.B	21	13	34	68
38.	811215104041	Subashree.M	26	11	37	74
39.	811215104042	Subathradevi.C	07	06	13	26
40.	811215104043	Suganya.S	05	04	09	18
41.	811215104044	Suhashini.R	24	01	25	50
42.	811215104047	Yogapriya.B	21	13	34	68
43.	811215104301	Annalakshmi.G	21	17	38	76
44.	811215104302	Rangeela.T	21	13	34	68

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
1	2	0	2	7	15	13	4	0

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Total No.of Candidates Present	43
Total No.of Candidates Absent	1
Total No.of Students Pass	40
Total No. of Students Fail	3
Percentage of Pass	93 %

STAFF INCHARGE

HoD/CSE

PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRAGANESANCOLLEGEOFENGINEERING

IGVALLEY,MANIDANDAM,TIRUCHIRAPPALLI–620012

DEPARTMENTOFACADEMICYEAR2022–2023(ODDSEMESTER)

STUDENTS MARK STATEMENT- CO BASED

INTERNALASSESSMENTTEST-I

SUBJECTCODE&TITLE:CE8591&FOUNDATIONENGINEERING

YEAR/SEM:III/V **MONTH&YEAR:AUGEST&2022**

S.NO	REGNO	STUDENTNAME	CO1 (Y)	CO2 (Y)	TOTAL (50)	TOTAL (100)
1.	811220103011	DharunKumarR	25	15	40	80
2.	811220103020	GunaseelanG	25	17	42	84
3.	811220103024	IyyapanManiA	10	5	15	30
4.	811220103025	KalanchiyaMuniyarajB	24	15	39	78
5.	811220103029	ManiKandanM	21	10	31	62
6.	811220103030	MohanapriyaS	24	15	39	78
7.	811220103032	MuthuSelvamA	15	3	18	36
8.	811220103041	SudhakarR	15	12	37	74
9.	811220103046	VishwaS	26	20	46	92

MARKS RANGE:

<20	20-30	31-40	41-50
2	-	3	04

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

TotalNo.ofCandidatesPresent	09
TotalNo.ofCandidatesAbsent	-
TotalNo.ofStudentsPass	09
TotalNo.ofStudents Fail	02
PercentageofPass	77.7%

STAFFINCHARGE **HoD/CIVIL** **PRINCIPAL**

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019– 2020 (EVEN SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

AIE-I

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

SUBJECT CODE &TITLE: CE8603-IRRIGATION ENGINEERING

YEAR/SEM: III/VI **MONTH & YEAR: APR/2020**

S.NO	REG NO	STUDENT NAME	CO1	CO2	TOTAL (50)	TOTAL (100)
1.	811217103001	Aishwarya P	24	17	41	82
2.	811217103002	Akash	20	13	33	66
3.	811217103003	Arockiya Renaldo J	23	12	35	70
4.	811217103004	Avinash Kumar R	22	10	32	64
5.	811217103007	Balasubramani R	21	17	38	76
6.	811217103008	Deepan S.K	25	12	37	74
7.	811217103009	Gayathri A	29	18	47	94
8.	811217103010	Kokila P	24	17	41	82
9.	811217103011	Manikandan G	19	18	37	74
10.	811217103012	Monika M	12	10	22	44
11.	811217103014	Navaneetha Krishnan K	26	18	44	88
12.	811217103015	Saleem Khan S			AB	AB
13.	811217103016	Sathish Kumar S	25	17	42	82
14.	811217103301	Thamarai Selvi K			AB	AB
15	811217103302	Arun Prasath R	21	13	34	68
16	811217103303	Joel Fernandez R	20	10	30	60
17	811217103303	Sumithra R	25	16	41	82
18	811217103304	Thirupathi G	24	16	40	80

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	1	1	4	5	5	1

Total No.of Candidates Present	**16**
Total No.of Candidates Absent	**02**
Total No.of Students Pass	**15**
Total No. of Students Fail	**1**
Percentage of Pass	**90%**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

STAFF INCHARGE **HoD/CIVIL** **PRINCIPAL**

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2019 – 2020 (EVEN SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

RETEST

SUBJECT CODE &TITLE: CE8603-IRRIGATION ENGINEERING

YEAR/SEM: III/VI **MONTH & YEAR: APR/2020**

S.NO	REG NO	STUDENT NAME	CO1	CO2	TOTAL (50)	TOTAL (100)
1.	811217103012	Monika M	27	14	41	82
2.	811217103303	Joel Fernandez R	25	15	40	80
3.	811217103004	Avinash Kumar R	20	15	35	70

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	0	1	1	2	0

Total No.of Candidates Present	3
Total No.of Candidates Absent	0
Total No.of Students Pass	3
Total No. of Students Fail	0

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

STAFF INCHARGE **HoD/CIVIL** **PRINCIPAL**

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF AGRICULTURAL ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

AIE-I

SUBJECT CODE &TITLE:EN8591 &Municipal Solid Waste Management

YEAR/SEM: IV/VII **MONTH & YEAR: SEP/2021**

S.NO	REG NO	STUDENT NAME	CO1	CO2	TOTAL (50)	TOTAL (100)
1.	811218103001	Akash J	25	17	42	84
2.	811218103002	Mahendran M	22	16	38	76
3.	811218103003	Musarf Ali S	25	17	42	82
4.	811218103004	Prabu JJ	14	AB	AB	AB

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	1	0	0	0	1	2	0

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF AGRICULTURAL ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

RETEST-I

SUBJECT CODE &TITLE:EN8591 &Municipal Solid Waste Management

YEAR/SEM: IV/VII **MONTH & YEAR: SEP/2021**

S.NO	REG NO	STUDENT NAME	CO1	CO2	TOTAL (50)	TOTAL (100)
4.	811218103004	Prabu JJ	25	15	40	80

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	0	0	1	0	0

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF AGRICULTURAL ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

AIE-I

SUBJECT CODE &TITLE: CE3351- SURVEYING AND LEVELLING

YEAR/SEM: II/III **MONTH & YEAR: SEP/2022**

S.NO	REG NO	STUDENT NAME	CO1	CO2	TOTAL (50)	TOTAL (100)
1.	811221225002	Abinaya R	25	17	42	84
2.	811221225007	Charulatha V	22	16	38	76
3.	811221225011	Hariharan M	28	18	46	92
4.	811221225013	Ilayaraja E	23	12	35	70
5.	811221225014	Jayasoundarya M	22	17	39	78
6.	811221225016	Kalpana Priya R	25	12	37	74
7.	811221225019	Kaviya T	12	12	24	48
8.	811221225022	kowsalya I	24	17	41	82
9.	811221225025	Ponniyammal B	19	18	37	74
10.	811221225028	Rajabunisha M	20	20	40	80
11.	811221225029	Rajesh	26	18	44	88
12.	811221225030	Rajeshwari D			AB	AB
13.	811221225031	Sairam M	25	17	42	82
14.	811221225040	Vijayakrishna G	14	10	AB	AB

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	1	0	0	0	0	5	5	1

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF AGRICULTURAL ENGINEERING

ACADEMIC YEAR 2022 – 2023 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

RETEST

SUBJECT CODE &TITLE: CE3351- SURVEYING AND LEVELLING

YEAR/SEM: II/III **MONTH & YEAR: SEP/2022**

S.NO	REG NO	STUDENT NAME	CO1	CO2	TOTAL (50)	TOTAL (100)
1.	811221225019	Kaviya T	25	15	40	80
2.	811221225030	Rajeshwari D	22	10	32	64
3.	811221225040	Vijayakrishna G	20	15	35	70

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
0	0	0	0	0	1	1	1	0

Total No.of Candidates Present	3
Total No.of Candidates Absent	0
Total No.of Students Pass	3
Total No. of Students Fail	0

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

STAFF INCHARGE **HoD/AGRI** **PRINCIPAL**

INDRA GANESAN COLLEGE OF ENGINEERING

IG VALLEY, MANIDANDAM, TIRUCHIRAPPALLI – 620 012

DEPARTMENT OF CIVIL ENGINEERING

ACADEMIC YEAR 2020 – 2021 (ODD SEMESTER)

STUDENTS MARK STATEMENT- CO BASED

CYCLE TEST-I

SUBJECT CODE &TITLE: EN 8491 WATER SUPPLY ENGINEERING

YEAR/SEM: III/V **MONTH & YEAR: SEP,2020**

S.NO	REG NO	STUDENT NAME	COX (Y)	COX (Y)	TOTAL (50)	TOTAL (100)
1.	811218103001	Akash J	20	19	39	78
2.	811218103002	Mahendran M	25	19	44	88
3.	811218103003	Musarf Ali S	24	17	41	82
4.	811218103004	Prabu JJ	17	15	32	64

MARKS RANGE:

<20	20-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
-	-	-	-	-	1	1	2	-

Total No.of Candidates Present	04
Total No.of Candidates Absent	Nil
Total No.of Students Pass	04
Total No. of Students Fail	0
Percentage of Pass	100%

STAFF INCHARGE HoD/CIVIL PRINCIPAL

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Main Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Circular for Retest

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

IGCE/EXAMCELL/IA/2022-23/ODD/004

10-03-2023

Circular for Internal Assessment ReTest - I (Higher Semester) - 2022-23

This is to inform you that the Internal Assessment Test - I for II, III & IV year will be Conducted from 14.03.2023to 20.03.2023.The schedule is given below.

Time: 09.15 am to 11.15 am

S.No.	Date	Day	Subject code & Name
1	14.03.2023	Tuesday	Refer the Enclosed time table
2	15.03.2023	Wednesday	
3	16.03.2023	Thursday	
4	17.03.2023	Friday	
5	18.03.2023	Saturday	
6	20.03.2023	Monday	

The concern subject Faculty members are asked to submit their two set of question papers as per question template on or before 10-03-2023 and also send the soft copy to Exam cell mail id.

Exam cell coordinator

Principal

Copy to:

1 .The director for favour of kind information

2. The Principal (file copy)

3. All HoDs: Request to circulate among their faculty members

4. Exam cell file

5. Notice board

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

Internal Assessment ReTest - I Time Table (Higher Semester) - 2022-23

S.No	Branch	YEAR	14.03.23	15.03.23	16.03.23	17.03.23	18.03.23	20.03.23
1	CIVIL	II						
		III	CE8601 & DSSE	CE8602&SA-II	CE8603&IE	CE8604&HE	EN8592&WWE	
		IV						
2	CSE	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	CS3401&ALG	GE3451&EVS	CS3451&OS
		III	CS8651&IP	CS8691&AI	CS8601&MC	CS8602&CD	CS8603&DS	
		IV	GE8076&PE	CS8080&IRT				
3	EEE	II	EE3404&MPMC	EE3405&EM II	EE3401&TD	EE3403&MI	GE3451&EVS	EE3402&LIC
		III	EE8601&SSD	EE8602&PSG	EE8691&ES	EE8005&SEM	EE8002&DEA	
		IV	EE8015&EEG	EE8018&MCB				
4	ECE	II	EC3452&EMF	EC3401&NS	EC3491&CS	EC3451&LIC	GE3451&EVS	EC3492&DSP
		III	MG8591&POM	EC8651&TLRF	EC8691&MPMC	EC8652&WC	EC8095&VLSI	
		IV	GE8076&PE	EC8094&SATCOM				
5	MECH	II	ME3491&TOM	ME3451 &TE	ME3493 &MT-II	ME3492&H&P	GE3451&EVS	CE3491&SM
		III	ME8651&DTS	ME8691&CAD/CAM	ME8693& HMT	ME8692&FEA	ME8694&HP	
		IV	MG8591&POM	ME8094&CIM				
6	AGRI	II	AI3401&TES	AI3402&SWC	AI3403&SOM	CE3691&HWE	GE3451&EVS	ME3391&TD
		III						
		IV						
7	AI&DS	II	MA3391&PS	AL3452&OS	AL3451&ML	AD3491&FDS	GE3451&EVS	CS3591&CN
		III						
		IV						
8	IT	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	IT3491&WE	GE3451&EVS	CS3451&OS
		III	IT8601&CI	CS8592&OOAD	IT8602&MC	CS8091&BDA	CS8092&CGM	
		IV	GE8076&PE	CS8080&IRT				

Exam cell Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Principal

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC

IGCE/EXAMCELL/IA/2022-23/ODD/006

28-04-2023

Circular for Internal Assessment Test – II Retest (Higher Semester) - 2022-23

This is to inform you that the Internal Assessment Test – II (Retest) for II, III & IV year will be Conducted from 01-05-2023 to 08-05-2023.The schedule is given below.

Time: 4.30pm to 6.00pm

S.No.	Date	Day	Subject code & Name
1	01.05.2023	Monday	Refer the Enclosed time table
2	02.05.2023	Tuesday	
3	03.05.2023	Wednesday	
4	04.05.2023	Thursday	
5	05.05.2023	Friday	
6	08.05.2023	Monday	

EXAM CELL COORDINATOR

PRINCIPAL

Copy to:

1 .The Director for favour of kind information

2. The Principal (file copy)

3. All HoDs: Request to circulate among their faculty members

4. Exam Cell file

5. Notice Board

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Va... Madurai Main Road
Ma... Trichy-620 012.

Indra Ganesan
COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(f) Status Institution by UGC

Internal Assessment Test - II (Retest) Time Table for Higher Semester - 2022-23

S.No	Branch	YEAR	01.05.23 AN	02.05.23 AN	03.05.23 AN	04.05.23 AN	05.05.23 AN	08.05.23 AN
1	CIVIL	II						
		III	CE8601 & DSSE	CE8602&SA-II	CE8603&IE	CE8604&HE	EN8592&WWE	
		IV						
2	CSE	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	CS3401&ALG	GE3451&EVS	CS3451&OS
		III	CS8651&IP	CS8691&AI	CS8601&MC	CS8602&CD	CS8603&DS	
		IV	GE8076&PE	CS8080&IRT				
3	EEE	II	EE3404&MPMC	EE3405&EM II	EE3401&TD	EE3403&MI	GE3451&EVS	EE3402&LIC
		III	EE8601&SSD	EE8602&PSG	EE8691&ES	EE8005&SEM		
		IV	EE8015&EEG	EE8018&MCB				
4	ECE	II	EC3401&NS	EC3452&EMF	EC3491&CS	EC3451&LIC	GE3451&EVS	EC3492&DSP
		III	MG8591&POM	EC8652&WC	EC8691&MPMC	EC8651&TLRF	EC8095&VLSI	
		IV	GE8076&PE	EC8094&SATCOM				
5	MECH	II	ME3491&TOM	ME3451 &TE	CE3491&SM	ME3492&H&P	GE3451&EVS	ME3493 &MT-II
		III	ME8651&DTS	ME8691&CAD/CAM	ME8693& HMT	ME8692&FEA	ME8694&HP	
		IV	MG8591&POM	ME8094&CIM				
6	AGRI	II	AI3401&TES	AI3402&SWC	AI3403&SOM	CE3691&HWE	GE3451&EVS	ME3391&TD
		III						
		IV						
7	AI&DS	II	MA3391&PS	CS3591&CN	AL3451&ML	AD3491&FDS	GE3451&EVS	AL3452&OS
		III						
		IV						
8	IT	II	CS3452&TOC	CS3491&AI	CS3492&DBMS	IT3491&WE	GE3451&EVS	CS3451&OS
		III	IT8601&CI	CS8592&OOAD	IT8602&MC	CS8091&BDA	CS8092&CGM	
		IV	GE8076&PE	CS8080&IRT				

EXAM CELL COORDINATOR

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIPAL

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Retest Question Paper Model

Register Number:

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

Internal Assessment Retest - I		**Date/Session**	20-10-2022	**Marks**	50
Course code	CS3352	**Course Title**	Foundations of Data Science		
Regulation	2021	**Duration**	90 minutes	**Academic Year**	2022 - 2023
Year	II	**Semester**	III	**Department**	CSE

COURSE OUTCOMES

CO1:	Explain the data science process and the basic concept of data science fundamentals
CO2:	Illustrate to convert the values from the normal distribution into z scores using data with tables, graphs, averages, and variability
CO3:	Examine the data to describe the relationship by examining the form, direction, and strength of the association by quantitatively and qualitatively.
CO4:	Examine the NumPy libraries to perform a wide variety of high-level mathematical functions that operate on the arrays and matrices.
CO5:	Examine the Pandas libraries for analyzing, cleaning, exploring, and manipulating data.
CO6:	Explain the visualization libraries in Python to identify patterns, trends, and outliers in large data sets along with its libraries, graphs, charts, and histogram

Q.No.	Question	CO	BTS
	PART A		
	(Answer all the Questions 10 x 2 = 20 Marks)		
1	Define data mining?	1	1
2	Define streaming data	1	1
3	Define outliers?	1	1
4	Differentiate structure data and unstructured data	1	1
5	List the disadvantage of combining data?	1	1
6	Define Key-Value stores	1	1
7	Define frequency distribution?	2	1
8	Define Percentile Ranks	2	1
9	Explain Histogram?	2	2
10	Define Mean, Median and Mode	2	1
	PART B		
	(Answer all the Questions 3 x 10 = 30 Marks)		
11a	Describe the research goal, retrieving data and Data preparation process in Data Science	1	2
	OR		
11b	Describe the architecture of Data Warehouse	1	2
12a	Explain the benefits, uses, and facets of data	1	2
	OR		
12b	Explain the Data Exploration, data modelling, and presentation process in Data Science	1	2
13a	The IQ scores for a group of 35 high school dropouts are as follows (a) Construct a frequency distribution for grouped data. (b) Specify the real limits for the lowest class interval in this frequency distribution.	2	2

91	85	84	79	80	112	110
87	96	75	86	104	90	109
95	71	105	90	77	90	94
123	80	100	93	108	98	100
98	69	99	95	90	89	103

	OR		
13b	Explain the different types of data and variables with example	2	2

Course Faculty
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD
(Name /Sign / Date)

RegisterNumber:

INDRAGANESANCOLLEGE OFENGINEERING

IGValley,Manikandam,Tiruchirappalli,TamilNadu–620012,India

(ApprovedbyAICTE,New DelhiandaffiliatedtoAnnaUniversity,Chennai)

RETEST- I			Date/Session	04.01.22/AN	Marks	50
Coursecode	CY3151	CourseTitle	Engineering Chemistry			
Regulation	2021	Duration	90minutes	AcademicYear	2021-22	
Year	I	Semester	I	Department	ALL Department	

COURSEOUTCOMES

C104.1	To infer the quality of water from quality parameter data and propose suitable treatment methodologies to treat water.
C104.2	To identify and apply basic concepts of nanoscience and nanotechnology in designing the synthesis of nanomaterials for engineering and technology applications.
C104.3	To apply the knowledge of phase rule and composites for material selection requirements.
C104.4	To recommend suitable fuels for engineering processes and applications.
C104.5	To recognize different forms of energy resources
C104.6	To apply energy resources applications in energy sectors.

Q.No.	Question	CO	BTS
	PARTA (AnsweralltheQuestions9x2 =18Marks)		
1	Differentiate hard water and soft water?	CO1	1
2	Define hardness.	CO1	1
3	What are the types of hardness? Differentiate them.	CO1	1
4	Give any four requirements for potable water?	CO1	1
5	What is boiler feed water? What are the basic requirements?	CO1	1
6	What are boiler problems? Name any 4 boiler problems?	CO1	1
7	Differentiate scales and sludge.	CO1	1
8	Define Nano Chemistry	CO2	2
9	What are the types of Nano materials?	CO2	2
	PARTB (AnsweralltheQuestions2x16=32Marks)		
10a	What is reverse osmosis? Bring out the methodology behind it.	1	1
	OR		
10b	How will you treat the water for drinking purpose?	1	1
11a	i) Write the properties and uses of Nano wires? (ii) Write a brief notes on properties and uses of nano clusters?	2	2
	OR		
11b	Discuss any four salient properties of nanomaterials	2	2

S. Boobalan

CourseFaculty (Name/Sign/Date) S. Boobalan

S. Boobalan.

HoD (Name/Sign/Date) S. Boobalan

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number:

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

RETEST			Date/Session	10.10.18/AN	Marks	100
Course code	MA8151	Course Title	ENGINEERING MATHEMATICS I			
Regulation	2017	Duration	3 Hrs	Academic Year	2018 - 2019	
Year	I	Semester	I	Department	All Branches	

COURSE OUTCOMES

CO1	Apply the concept of testing of hypothesis for small and large samples in real life problems.
CO2	Apply the basic concepts of classifications of design of experiments in the field of agriculture.
CO3	Appreciate the numerical techniques of interpolation in various intervals and apply the numerical techniques of differentiation and integration for engineering problems
CO4	Understand the knowledge of various techniques and methods for solving first and second order ordinary differential equations.
CO5	Solve the partial and ordinary differential equations with initial and boundary conditions by using certain techniques with engineering applications.
CO6	Techniques to get a knowledge of Engineering applications

Q.No.	Question	CO	BTS
	PART A **(Answer all the Questions 10 x 2 = 20 Marks)**		
1	State Level of Significance.	1	K2
2	Define Type I and Type II errors.	1	K1
3	State assumptions involved in ANOVA	1	K2
4	What is meant by LSD?	1	K2
5	What is the rate of convergence in NR - method	1	K1
6	State the principle used in Gauss Jordan method	2	K2
7	State the Lagrange's Interpolation formula	2	K4
8	Why Simpson's 1/3 rule is called a closed formula?	2	K2
9	What is a Predictor and Corrector method of solving a differential equation?	2	K1
10	Write Milne's Predictor formula?	2	K1
	PART B **(Answer all the Questions 5 x 16 = 80 Marks)**		
11a	Analysis data give your conclusion	1	K1

BLOCK	Yield			
I	(1) 23	a 25	b 22	ab 38
II	b 40	(1) 26	a 36	ab 38
III	(1) 29	a 20	ab 30	b 20
IV	ab 34	a 31	b 24	(1) 28

	OR		
11b	Solve the following equations by Gauss – Seidel method $27x + 6y - z = 85,\ x + y + 54z = 110,\ 6x + 15y + 2z = 72.$	1	K1

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

12a	Two independent samples of sizes 9 and 7 from a normal population had the following values of the variables **Samples I**: 18, 13, 12, 15, 12, 14, 16, 14, 15 **Samples II**: 16, 19, 13, 16, 18, 13, 15 Do the estimates of the population variance differ significantly at **5 %** level ?	**2**	K1
	OR		
12b	(i) Evaluate $\int_1^{1.2}\int_1^{1.4} \frac{1}{x+y}\,dxdy$ by Simpson's y_3 rule by taking $h = k = 0.1$. (ii) If $f(0) = 1, f(1) = 4, f(3) = 40, f(4) = 85$. Find $f(x)$ that satisfies this data using Newton divided difference formula hence find $f(5)$.	**2**	K1
	OR		
13a	An insurance agent has claimed that the average age of policy holders who insure through him is less than the average for all agents which is 30.5 years. A random sample of 100 policy holders who had insured through him gave the following age distribution **Age last birthday**: 16-20, 21-25, 26-30, 31-35, 36-40 **No.of persons**: 12, 22, 20, 30, 16 Calculate the A.M and S.D of this distribution and use these values to test his claim at the **5 %** level of significance.	**1**	K3
	OR		
13b	Two independent samples from normal population with equal variance gave the following **Sample** / **Size** / **Mean** / **S.D** 1 / 16 / 23.4 / 2.5 2 / 12 / 24.9 / 2.8 Is the difference between the means significant ?	**1**	K3
14a	Two random samples drawn from normal populations are **Sample I**: 20, 16, 26, 27, 23, 22, 18, 24, 25, 19 **Sample II**: 27, 33, 42, 35, 32, 34, 38, 28, 41, 43, 30 Obtain estimates of the variances of the populations and test whether the two populations have the same variance	**2**	K1
	OR		
14b	An insurance agent has claimed that the average age of policy holders who insure through him is less than the average for all agents which is 30.5 years. A random sample of 100 policy holders who had insured through him gave the following age distribution **Age last birthday**: 16-20, 21-25, 26-30, 31-35, 36-40 **No.of persons**: 12, 22, 20, 30, 16 Calculate the A.M and S.D of this distribution and use these values to test his claim at the **5 %** level of significance	**1**	K3

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

15a (i) Find a real root of a equation $\cos \cos x = 3x - 1$ correct to four decimal places using fixed point iteration method.

(ii) Using Jacobi method to find Eigen values and the corresponding Eigen Vectors of the matrix $\begin{pmatrix} 6 & \sqrt{3} \\ \sqrt{3} & 4 \end{pmatrix}$

1 | K1

OR

15b A group of 10 rats fed on diet **A** and another group of 8 rats fed on diet **B**, recorded the following increase in weight (gms)

Diet A	5	6	8	1	12	4	3	9	6	10
Diet B	2	3	6	8	10	1	2	8		

Does it show superiority of Diet **A** and Diet **B** ?

1 | K3

HoD
(Name /Sign / Date)

Course Faculty
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Register Number: | | | | | | | | | | | |

INDRAGANESANCOLLEGE OF ENGINEERING

IGValley,Manikandam,Tiruchirappalli,TamilNadu–620012,India

(ApprovedbyAICTE,NewDelhi andaffiliatedtoAnnaUniversity, Chennai)

InternalAssessmentExam–I(RETEST)			Date/Session		Marks	50
Coursecode	CE8591	CourseTitle	FOUNDATIONENGINEERING			
Regulation	2022	Duration	90minutes	AcademicYear	2022-2023	
Year	III	Semester	V	Department	CIVIL	

COURSEOUTCOMES

CO1:	Explainthebasicconceptofsiteinvestigationandselectionof foundation.
CO2:	Explainthebasic conceptofshallow foundation.
CO3:	Toexplain about footing.
CO4:	Toillustrateabouttheraft foundation.
CO5:	Explain about pile foundation.
CO6:	Explainaboutthebasicconcepts ofretainingwall construction.

Q.No.	Question	CO	BTS
	PARTA (AnsweralltheQuestions10 x2=20Marks)		
1	Listthevariousmethodsofsoilexplorationtechniques	CO1	K2
2	Definestandardpenetrationnumber.	CO1	K1
3	ListtheusesofBorelogreport.	CO1	K2
4	Comparerepresentativeandnon-representative.Samples.	CO1	K2
5	Explainaboutrecoveryratioofasample.	CO1	K2
6	Distinguishbetweenuniformsettlementanddifferentialsettlement	CO2	K2
7	Classifythecomponentsofsettlement	CO2	K2
8	ListthefactorsaffectingBearingcapacity	CO2	K2
9	DefinethetermSettlement	CO2	K2
10	FormulatetheTerzaghi'sequation.	CO2	K2
	PARTB (AnsweralltheQuestions2 x10=20Marks)		
11a	Demonstratearethe various factors affectingqualityof samples. Explain the various typesof samples.	CO4	K2
	OR		
11b	Explainthesalientfeaturesofagoodsub-soil investigation.	CO4	K2
12a	Explainthe proceduretointerpretthebearingcapacityfrom standard penetration testandstaticconepenetration test?	CO2	K4
	OR		
12b	Explainthefollowingmodesofshearfailure,(i) Generalshear failura(ii) Local shearfailure(iii)Punchingshearfailure	CO2	K4
	PARTC (AnsweralltheQuestions1 x10=10Marks)		
13a	ExplainTerzaghi'sanalysisofbearingcapacityofsoilingeneralshearfailurewith assumptions.	CO1	K4
	OR		
13b	Explainindetailtheloadsettlementcurvesobtainedbyplateloadtestforvarious typesofsoil. Also,list outthelimitationsof plateload test.	CO1	K4

Dr. G. Balakrishnan, M.E., ...
Principal
Indra Ganesan College of Engineering
IG Valley, ... Main Road
Manikandam, Trichy-620 012.

CourseFaculty (Name/ Sign/Date)

HoD (Name/ Sign/Date)

Register Number:

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

RETEST – I			Date/Session	31.01.20/FN	Marks	50
Course code	CE8603	Course Title	IRRIGATION ENGINEERING			
Regulation	2017	Duration	90 minutes	Academic Year	2019-2020	
Year	III	Semester	VI	Department	CIVIL	

COURSE OUTCOMES

C303.1	Have knowledge and skills on crop water requirements
C303.2	Illustrate the methods and management of irrigation
C303.3	Gain knowledge on types of Impounding structures
C303.4	Derive the methods of irrigation including canal irrigation
C303.5	Get knowledge on water management on optimization of water use
C303.6	The student will possess knowledge about irrigation and canals

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	Define irrigation.	CO1	K1
2	List the advantages of irrigation.	CO1	K1
3	Name the types of irrigation	CO1	K2
4	Classify sprinkler systems	CO1	K1
5	What are the advantages of sprinkler irrigation	CO1	K2
6	Define tank irrigation	CO2	K1
7	What is Micro irrigation?	CO2	K2
8	Classify the types of canals.	CO2	K1
9	Define Net irrigation.	CO2	K1
10	Discuss the disadvantages of sub surface irrigation	CO2	K1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Define Irrigation? What are the merits and demerits of irrigation?	CO1	K2
	OR-		
11b	Define consumptive use of water. Explain the Factors affecting consumptive use of Water	CO1	K2
12a	List the merits and demerits of tank irrigation.	CO2	K4
	OR		
12b	Infer the advantages and disadvantages of drip irrigation system.	CO2	K4
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	List and write a detailed note on the Experimental methods to calculate the Evapotranspiration.	CO1	K1
	OR		
13b	Explain the following terms: (i) Soil water (ii) Soil available water (iii) Water holding capacity (iv) Soil-water-plant relationship	CO1	K3

Course Faculty

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

HoD/CIVIL

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING
IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India
(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

IA Exam - I -RETEST			Date/Session	30.09.21/AN	Marks	50
Course code	EN8591	Course Title	SURVEYING AND LEVELLING			
Regulation	2017	Duration	90 min	Academic Year	2021-22	
Year	IV	Semester	III	Department	CIVIL	

COURSE OUTCOMES

C404.1	Comprihenced of the nature and characteristics of municipal solid wastes and theregulatory requirements regarding municipal solid waste management
C404.2	Reduction, reuse and recycling of waste.
C404.3	ability to plan and design systems for storage, collection, transport, processing anddisposal of municipal solid waste.
C404.4	knowledge on the issues on solid waste management from an integrated and holistic
C404.5	perspective, as well as in the local and international context
C404.6	Design and operation of sanitary landfill

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	Define waste minimization	1	K2
2	what is the purpose of onsite processing?	1	K1
3	What is the legal requirement in India regarding onsite storage and collection of MSW?	1	K2
4	What is meant by transfer station?	1	K1
5	Write the Indian conditions of Municipal solids?	1	K1
6	Write any two improper disposal of solid wastes?	2	K2
7	What are the 4 R 's in waste hierarchy?	2	K2
8	List the various advantages of waste segregation.	2	K1
9	What are the methods of Seperations?	2	K2
10	What is the sizes of a solid waste container?	2	K1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	. What is the magnetic separation of solid waste? Explain process for magnetic separation. what are the factors influencing effectiveness of magnetic separation?	1	K2
	OR		
11b	Explain different operation of onsite segregation of solid waste keeping public health in mind	1	K2
12a	Explain briefly about the onsite storage methods	2	K3
	OR		
12b	Discuss strategies of source reduction, reduction, recycling and reuse of solid waste	2	K3
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	.Explain the various issues related to public health and economic aspect of open storage of msw	1	K2
	OR		
13b	Describe possibilities in solid waste management with respect to reduction, reuse, and recovery	1	K2

Course Faculty
Name /Sign / Date)

HoD/CIVIL
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Manikandam, Trichy-620 012.

Register Number:												

INDRA GANESAN COLLEGE OF ENGINEERING

IG Valley, Manikandam, Tiruchirappalli, Tamil Nadu – 620 012, India

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

RETEST - I			Date/Session	31.09.22/FN	Marks	50
Course code	CE3351	Course Title	SURVEYING AND LEVELLING			
Regulation	2021	Duration	90 minutes	Academic Year	2022-23	
Year	II	Semester	III	Department	AGRI	

COURSE OUTCOMES

C206.1	Introduce the rudiments of various surveying and its principles
C206.2	Imparts knowledge in computation of levels of terrain and ground features
C206.3	Imparts concepts of Theodolite Surveying for complex surveying operations
C206.4	Derive the procedure for establishing horizontal and vertical control
C206.5	Imparts the knowledge on modern surveying instruments
C206.6	The student will possess knowledge about survey field techniques

Q.No.	Question	CO	BTS
	PART A (Answer all the Questions 10 x 2 = 20 Marks)		
1	What is the object of surveying?	1	K2
2	Define plane surveying?	1	K1
3	What are the instruments used in chain surveying?	1	K2
4	What is the classification of surveying?	1	K2
5	Define reciprocal levelling?	1	K1
6	What is meant by well conditional triangle?	2	K2
7	Differentiate between check line and tie line?	2	K4
8	What are the different source of error in chain surveying?	2	K2
9	Define true bearing?	2	K1
10	Define declination?	2	K1
	PART B (Answer all the Questions 2 x 10 = 20 Marks)		
11a	Explain the principals of surveying?	1	K1
	OR		
11b	Explain the classification of surveying?	1	K1
12a	Explain the method of direct ranging and reciprocal ranging?	2	K1
	OR		
12b	Explain the traversing and plotting procedures of chain surveying?	2	K1
	PART C (Answer all the Questions 1 x 10 = 10 Marks)		
13a	Convert the following whole circle bearing into reduced breaing? 1. 151.20 2. 112.04	1	K3
	OR		
13b	Convert the following RB into WCB S34 42E N02 18W	1	K1

Course Faculty
(Name /Sign / Date)

HoD
(Name /Sign / Date)

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Web Portal Assessment Report

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
NOV. / DEC. EXAMINATION,2022 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 106 : B.E. Electronics and Communication Engineering **University : AUC**

Semester : 03

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr4	IM 4
811221106001	AARTHI S	CS3353						26	26	89	22	22	92
		CS3362									45	45	95
		EC3351						25	26	82	21	21	91
		EC3352						36	38	88	38	38	93
		EC3353						22	24	90	23	23	94
		EC3354						33	34	90	28	28	95
		EC3361									45	45	92
		GE3361									30	30	93
		MA3355						34	34	83	26	26	90
811221106003	AROCKIA JENIFER M	CS3353						21	26	85	18	22	85
		CS3362									39	45	82
		EC3351						21	26	80	18	21	81
		EC3352						31	38	85	34	38	86
		EC3353						20	24	82	20	23	82
		EC3354						31	34	87	24	28	88
		EC3361									38	45	86
		GE3361									24	30	85
		MA3355						28	34	82	21	26	81
811221106005	DEEPALAKSHMI S	CS3353						25	26	92	22	22	95
		CS3362									45	45	97
		EC3351						24	26	91	21	21	95
		EC3352						36	38	92	38	38	96
		EC3353						22	24	92	23	23	97
		EC3354						33	34	93	28	28	97
		EC3361									45	45	98
		GE3361									30	30	95
		MA3355						33	34	91	26	26	95
811221106008	DHINESH BABU C	CS3353						22	26	82	19	22	82
		CS3362									39	45	84
		EC3351						21	26	81	19	21	83
		EC3352						31	38	87	36	38	88
		EC3353						21	24	83	20	23	83
		EC3354						30	34	85	25	28	86
		EC3361									38	45	86
		GE3361									25	30	82
		MA3355						28	34	82	21	26	80
811221106012	JAYA KAMAKSHERADHA S P	CS3353						21	26	86	18	22	91
		CS3362									39	45	92
		EC3351						21	26	90	17	21	92
		EC3352						31	38	88	33	38	92
		EC3353						20	24	90	19	23	92
		EC3354						29	34	92	24	28	94
		EC3361									37	45	90
		GE3361									24	30	91
		MA3355						27	34	83	22	26	92
811221106022	PARKAVI S	CS3353						24	26	82	22	22	90
		CS3362									42	45	94
		EC3351						24	26	83	21	21	85
		EC3352						32	34	85	38	38	88
		EC3353						23	24	84	23	23	88
		EC3354						32	34	83	28	28	91
		EC3361									43	45	89
		GE3361									26	30	88

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
NOV. / DEC. EXAMINATION,2022 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

	MA3355							
811221106024 PREMKUMAR S	CS3353	32	34	80	26	26	85	
	CS3362	26	26	86	20	22	89	
	EC3351				39	45	90	
	EC3352	24	26	85	19	21	88	
	EC3353	37	38	85	36	38	89	
	EC3354	23	24	83	21	23	87	
	EC3361	33	34	85	26	28	90	
	GE3361				42	45	86	
	MA3355				25	30	92	
811221106033 THAMILARASI C	CS3353	33	34	82	23	26	87	
	CS3362	22	26	86	21	22	91	
	EC3351				42	45	93	
	EC3352	22	26	82	20	21	90	
	EC3353	33	38	84	37	38	90	
	EC3354	21	24	85	22	23	92	
	EC3361	32	34	85	27	28	94	
	GE3361				42	45	91	
	MA3355				26	30	94	
811221106034 THRISHA S	CS3353	30	34	80	25	26	91	
	CS3362	25	26	92	21	22	97	
	EC3351				45	45	96	
	EC3352	25	26	89	20	21	96	
	EC3353	36	38	90	37	38	97	
	EC3354	23	24	92	22	23	97	
	EC3361	33	34	92	27	28	98	
	GE3361				45	45	97	
	MA3355				29	30	97	
811221106035 VEERAKUMAR R	CS3353	33	34	91	24	26	96	
	CS3362	24	26	90	20	22	92	
	EC3351				42	45	90	
	EC3352	24	26	89	19	21	89	
	EC3353	31	38	89	36	38	90	
	EC3354	22	24	85	21	23	90	
	EC3361	33	34	89	26	28	90	
	GE3361				40	45	91	
	MA3355				26	30	92	
811221106036 VELLAISAMY S	CS3353	31	34	84	23	26	89	
	CS3362	26	26	94	22	22	98	
	EC3351				45	45	97	
	EC3352	26	26	92	21	21	96	
	EC3353	37	38	93	38	38	98	
	EC3354	23	24	93	23	23	98	
	EC3361	34	34	93	28	28	98	
	GE3361				45	45	98	
	MA3355				30	30	98	
811221106037 VICTORRAJ S	CS3353	33	34	93	26	26	97	
	CS3362	22	26	87	19	22	90	
	EC3351				39	45	88	
	EC3352	23	26	83	18	21	85	
	EC3353	31	38	86	36	38	86	
	EC3354	21	24	83	20	23	85	
	EC3361	32	34	83	25	28	88	
	GE3361				39	45	86	
	MA3355				24	30	87	
811221106040 VISHAL V	CS3353	31	34	81	23	26	84	
	CS3362	26	26	92	21	22	95	
	EC3351				45	45	94	
		25	26	90	20	21	95	

Dr.G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
NOV. / DEC. EXAMINATION,2022 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

	EC3352	37	38	92	37	38	94
	EC3353	23	24	91	22	23	96
	EC3354	34	34	92	27	28	97
	EC3361				45	45	92
	GE3361				29	30	96
	MA3355	33	34	91	25	26	94
811221106301 OM PRAKASH R	CS3353	26	26	92	22	22	96
	CS3362				45	45	95
	EC3351	26	26	91	21	21	94
	EC3352	38	38	93	38	38	93
	EC3353	24	24	92	23	23	95
	EC3354	34	34	92	28	28	97
	EC3361				45	45	93
	GE3361				30	30	97
	MA3355	34	34	91	26	26	96

Dr. G. Balakrishnan, M.E., Ph...
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
APRIL / MAY EXAMINATION,2023 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 106 : B.E. Electronics and Communication Engineering **University : AUC**

Semester : 06

Register No.	Name of the Student	Subjects	Attend hr 1	Total hr 1	Attend hr 2	Total hr2	IM 2	Attend hr 3	Tot hr 3	IM 3	Attend hr 4	Total hr4	IM 4
811220106006	BANU PRIYA G	EC8095	9	12	9	11	70	9	12	75	9	10	90
		EC8611									28	30	91
		EC8651	10	12	10	12	68	9	11	70	8	10	80
		EC8652	9	12	10	11	75	8	10	70	10	12	86
		EC8661									52	60	92
		EC8681									50	60	90
		EC8691	9	12	9	12	71	9	11	71	9	10	80
		HS8581									24	30	93
		MG8591	7	9	9	11	70	10	13	73	11	12	85
		SB8040											
811220106008	BHARATHIDHASAN C	EC8095	8	12	8	11	69	12	12	77	9	10	85
		EC8611									24	30	88
		EC8651	9	12	8	12	86	10	11	71	9	10	82
		EC8652	10	12	9	11	66	9	10	76	10	12	82
		EC8661									52	60	93
		EC8681									48	60	89
		EC8691	8	12	9	12	70	10	11	70	8	10	82
		HS8581									26	30	92
		MG8591	7	9	8	11	68	11	13	74	10	12	80
		SB8033											
811220106018	JANCY J	EC8095	10	12	9	11	81	12	12	95	9	10	94
		EC8611									23	30	90
		EC8651	11	12	10	12	83	11	11	86	10	10	84
		EC8652	12	12	8	11	83	10	10	84	11	12	95
		EC8661									56	60	96
		EC8681									56	60	92
		EC8691	11	12	11	12	87	11	11	88	10	10	90
		HS8581									30	30	97
		MG8591	8	9	10	11	76	13	13	85	11	12	90
		SB8040											
811220106019	JEEVASEN N	EC8095	11	12	9	11	71	9	12	75	8	10	80
		EC8611									24	30	92
		EC8651	10	12	10	12	75	9	11	72	8	10	84
		EC8652	10	12	11	11	75	9	10	85	9	12	82
		EC8661									52	60	90
		EC8681									54	60	88
		EC8691	11	12	10	12	75	9	11	72	8	10	80
		HS8581									26	30	90
		MG8591	8	9	9	11	70	10	13	75	9	12	85
		SB8040											
811220106021	KAMARAJ S	EC8095	11	12	9	11	72	9	12	72	8	10	81
		EC8611									24	30	85
		EC8651	11	12	8	12	71	9	11	76	8	10	79
		EC8652	10	12	8	11	70	9	10	76	12	12	81
		EC8661									48	60	89
		EC8681									50	60	87
		EC8691	11	12	9	12	71	9	11	70	8	10	79
		HS8581									24	30	91
		MG8591	8	9	11	69	10	13	75	10	12	83	
		SB8040											
811220106022	KARTHICK C	EC8095	8	12	10	12	70	12	12	82	10	10	80
		EC8611									24	30	89
		EC8651	8	12	10	12	70	11	11	76	8	10	78

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road,
Manikandam, Trichy-620 012.

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
APRIL / MAY EXAMINATION,2023 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

	EC8652	9	12	9	11	82	9	10	85	10	12	85
	EC8661											
	EC8681									52	60	91
	EC8691	9	12	11	12	76	10	11	74	52	60	90
	HS8581									8	10	82
	MG8591	6	9	10	11	72	13	13	77	30	30	94
	SB8040									10	12	81
811220106023 KARTHIKA S	EC8095	9	12	10	11	73	10	12	75			
	EC8611									8	10	82
	EC8651	10	12	11	12	70	9	11	81	27	30	89
	EC8652	10	12	9	11	70	8	10	75	9	10	84
	EC8661									10	12	82
	EC8681									54	60	90
	EC8691	10	12	11	12	72	9	11	78	50	60	88
	HS8581									9	10	80
	MG8591	8	9	10	11	71	11	13	76	26	30	92
	SB8040									11	12	84
811220106025 KISHORE R	EC8095	11	12	11	11	86	10	12	86			
	EC8611									9	10	90
	EC8651	11	12	11	12	88	9	11	90	26	30	89
	EC8652	11	12	11	11	90	9	10	90	8	10	86
	EC8661									11	12	94
	EC8681									60	60	98
	EC8691	10	12	11	12	88	10	11	92	56	60	94
	HS8581									8	10	95
	MG8591	8	9	10	11	80	12	13	85	30	30	98
	SB8040									10	12	90
811220106026 KISHORE KUMAR M	EC8095	11	12	11	11	85	12	12	88			
	EC8611									8	10	91
	EC8651	12	12	10	12	81	10	11	89	25	30	96
	EC8652	12	12	10	11	85	9	10	91	8	10	84
	EC8661									10	12	95
	EC8681									52	60	96
	EC8691	11	12	11	12	90	11	11	93	60	60	95
	HS8581									9	10	94
	MG8591	9	9	10	11	81	12	13	89	28	30	97
	SB8033									10	12	95
811220106028 MANCY E	EC8095	8	12	10	11	86	11	12	90			
	EC8611									8	10	94
	EC8651	9	12	11	12	87	10	11	90	25	30	97
	EC8652	9	12	10	11	86	9	10	92	9	10	84
	EC8661									11	12	95
	EC8681									56	60	98
	EC8691	10	12	11	12	92	10	11	94	54	60	95
	HS8581									10	10	95
	MG8591	7	9	11	11	80	11	13	91	28	30	98
	SB8040									11	12	92
811220106031 PRADHAP J	EC8095	11	12	10	11	81	11	12	85			
	EC8611									10	10	80
	EC8651	10	12	12	12	85	9	11	80	26	30	90
	EC8652	12	12	11	11	82	9	10	80	10	10	76
	EC8661									11	12	82
	EC8681									60	60	93
	EC8691	11	12	11	12	80	11	11	81	58	60	90
	HS8581									9	10	85
	MG8591	8	9	10	11	81	11	13	80	30	30	94
	SB8040									11	12	85
811220106032 PRASANNAA J	EC8095	11	12	9	11	80	10	12	81	8	10	85

Dr. C. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
18 Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
APRIL / MAY EXAMINATION,2023 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

	EC8611										26	30	94
	EC8651	12	12	9	12	85	10	11	81	8	10	74	
	EC8652	12	12	10	11	83	9	10	82	10	12	90	
	EC8661									56	60	94	
	EC8681									54	60	92	
	EC8691	12	12	10	12	84	10	11	85	8	10	90	
	HS8581									26	30	98	
	MG8591	9	9	8	11	72	11	13	80	9	12	86	
	SB8040												
811220106033 PREETHIKA M	EC8095	12	12	11	11	71	11	12	82	9	10	90	
	EC8611									28	30	89	
	EC8651	12	12	11	12	74	10	11	82	10	10	79	
	EC8652	12	12	9	11	80	8	10	87	11	12	91	
	EC8661									52	60	92	
	EC8681									56	60	91	
	EC8691	12	12	11	12	78	11	11	88	10	10	88	
	HS8581									30	30	97	
	MG8591	9	9	10	11	73	12	13	79	12	12	85	
	SB8033												
811220106034 PREMALATHA M	EC8095	11	12	9	11	71	9	12	75	9	10	80	
	EC8611									26	30	90	
	EC8651	10	12	8	12	71	8	11	76	9	10	75	
	EC8652	11	12	10	11	79	8	10	75	10	12	88	
	EC8661									48	60	90	
	EC8681									54	60	88	
	EC8691	10	12	9	12	74	9	11	75	9	10	85	
	HS8581									26	30	90	
	MG8591	8	9	9	11	73	10	13	75	10	12	82	
	SB8040												
811220106037 SHRI HARINI PRIYA B	EC8095	12	12	9	11	77	10	12	76	9	10	86	
	EC8611									26	30	89	
	EC8651	12	12	11	12	81	9	11	78	9	10	80	
	EC8652	12	12	10	11	82	8	10	77	10	12	92	
	EC8661									52	60	92	
	EC8681									60	60	92	
	EC8691	12	12	10	12	83	9	11	76	8	10	90	
	HS8581									26	30	94	
	MG8591	9	9	10	11	81	11	13	78	10	12	85	
	SB8033												
811220106038 SNEGA M	EC8095	11	12	10	11	74	10	12	82	10	10	85	
	EC8611									28	30	93	
	EC8651	12	12	8	12	77	9	11	81	9	10	82	
	EC8652	12	12	9	11	81	8	10	86	11	12	90	
	EC8661									52	60	93	
	EC8681									54	60	90	
	EC8691	11	12	10	12	85	10	11	85	8	10	89	
	HS8581									30	30	92	
	MG8591	8	9	8	11	71	11	13	85	10	12	87	
	SB8040												
811220106039 SOBI AMIRTHA N	EC8095	12	12	11	11	76	12	12	87	9	10	90	
	EC8611									28	30	90	
	EC8651	12	12	12	12	79	11	11	86	9	10	81	
	EC8652	12	12	11	11	80	10	10	75	11	12	94	
	EC8661									60	60	96	
	EC8681									60	60	93	
	EC8691	12	12	12	12	81	11	11	86	9	10	91	
	HS8581									30	30	96	
	MG8591	9	9	11	11	80	13	13	86	11	12	86	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
APRIL / MAY EXAMINATION,2023 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

	SB8040												
811220106041 SUNIL KUMAR B	EC8095	11	12	9	11	71	9	12	74	9	10	79	
	EC8611									26	30	91	
	EC8651	10	12	9	12	71	9	11	70	8	10	75	
	EC8652	9	12	10	11	78	8	10	73	10	12	80	
	EC8661									52	60	90	
	EC8681									54	60	85	
	EC8691	11	12	9	12	74	9	11	70	8	10	79	
	HS8581									28	30	90	
	MG8591	8	9	8	11	71	11	13	74	9	12	80	
	SB8040												
811220106042 SUSILA N	EC8095	8	12	8	11	71	9	12	72	8	10	78	
	EC8611									27	30	90	
	EC8651	9	12	9	12	74	9	11	73	9	10	76	
	EC8652	9	12	10	11	76	8	10	80	10	12	80	
	EC8661									60	60	90	
	EC8681									50	60	86	
	EC8691	9	12	9	12	76	9	11	72	8	10	78	
	HS8581									26	30	91	
	MG8591	7	9	8	11	72	10	13	72	9	12	82	
	SB8040												
811220106049 YOGA PRIYA R	EC8095	12	12	10	11	87	11	12	86	9	10	92	
	EC8611									28	30	88	
	EC8651	12	12	11	12	83	10	11	84	9	10	84	
	EC8652	12	12	10	11	90	8	10	88	11	12	95	
	EC8661									56	60	98	
	EC8681									58	60	92	
	EC8691	12	12	11	12	88	10	11	85	10	10	94	
	HS8581									30	30	97	
	MG8591	9	9	10	11	80	11	13	86	11	12	84	
	SB8040												
811220106301 ANAND R	EC8095	8	12	8	11	70	10	12	65	9	10	75	
	EC8611									26	30	81	
	EC8651	7	12	8	12	68	9	11	65	9	10	78	
	EC8652	8	12	7	11	64	8	10	70	11	12	78	
	EC8661									46	60	88	
	EC8681									48	60	80	
	EC8691	8	12	8	12	67	10	11	66	9	10	78	
	HS8581									24	30	87	
	MG8591	6	9	8	11	66	11	13	69	11	12	78	
	SB8040												
811220106302 KIRUTHIKA R	EC8095	7	12	8	11	67	9	12	66	9	10	75	
	EC8611									26	30	82	
	EC8651	8	12	8	12	65	9	11	68	9	10	76	
	EC8652	8	12	8	11	62	8	10	69	11	12	77	
	EC8661									49	60	89	
	EC8681									44	60	81	
	EC8691	9	12	8	12	65	9	11	67	9	10	77	
	HS8581									28	30	89	
	MG8591	7	9	7	11	67	12	13	68	10	12	79	
	SB8033												
811220106304 RAJESH R	EC8095	7	12	8	11	65	10	12	65	9	10	75	
	EC8611									26	30	80	
	EC8651	7	12	8	12	68	9	11	65	9	10	77	
	EC8652	8	12	8	11	65	8	10	68	11	12	78	
	EC8661									46	60	89	
	EC8681									48	60	82	
	EC8691	8	12	8	12	67	10	11	65	9	10	75	

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

29-05-2023

ANNA UNIVERSITY :: CHENNAI - 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Assessment Details Entered
APRIL / MAY EXAMINATION,2023 - EXAMINATIONS

Inst Code & Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

	HS8581										26	30	86
	MG8591	6	9	8	11	67	11	13	68	11		12	78
	SB8040												

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley Mad...

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Web Portal Internal Mark Report

Internal Marks Report

College Code / Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 104 - B.E. Computer Science and Engineering

Semester : 03 University : AUC Regulation : 2017

S.No	Register Number	Name	CS8351	CS8381	CS8382	CS8383	CS8391	CS8392	EC8395	HS8381	MA8351
1	811220104002	AKSHAYA T	19	20	20	20	19	19	19	99	19
2	811220104004	APPAS ALI D	19	20	20	20	19	19	19	98	19
3	811220104005	ARAVINDH V K	19	19	19	19	19	19	19	96	19
4	811220104007	AYISHA SIDDEEQUA A	20	20	20	20	20	20	20	99	20
5	811220104008	BENASIR S	20	20	20	20	19	20	19	99	19
6	811220104012	CIBINA S	20	20	20	20	19	19	20	99	19
7	811220104013	DEVI K	19	20	20	20	19	19	19	98	19
8	811220104014	DIVYADHARSHINI A	19	19	19	19	19	19	18	96	19
9	811220104015	DIVYAKEERTHAN P	19	20	20	20	19	19	19	99	19
10	811220104016	GAYATHRI P	19	20	20	20	19	19	19	99	19
11	811220104017	GNANAPRAKASAM A	19	20	20	20	19	19	18	99	19
12	811220104018	GOWRISANKAR G	18	20	20	19	19	18	18	97	19
13	811220104019	HARIHARAN K	18	18	18	18	18	18	17	92	18
14	811220104021	JOHN P	18	19	19	19	18	18	18	95	18
15	811220104024	KAMALI A	19	20	20	20	19	19	19	99	19
16	811220104025	KAMATCHI S	19	19	19	19	18	19	19	95	18
17	811220104027	KIRUTHIKA M	19	20	20	20	19	19	19	98	19
18	811220104029	MATHAVAN N	19	20	20	20	19	19	18	98	19
19	811220104030	MILTON A	18	18	18	18	18	18	17	90	18
20	811220104031	MONISHA R	19	20	20	20	19	19	19	98	19
21	811220104032	PRIYA P	19	19	19	19	18	19	18	97	18
22	811220104033	PRIYADHARSHINI G	19	19	19	19	19	19	19	96	19
23	811220104034	PRIYADHARSHINI I	19	20	20	20	19	19	19	99	19
24	811220104039	SATHYAPRIYA N	19	20	20	20	19	19	18	98	19
25	811220104041	SIVARANJANI M	19	20	20	20	19	19	19	98	19
26	811220104043	SNEKA R	19	20	20	20	19	19	18	99	19
27	811220104045	SRIDHAR P	19	19	19	20	19	19	18	98	18
28	811220104046	SUMITHIRA R	19	20	20	20	19	19	19	99	19
29	811220104048	SWARNAMBIGAI V	19	19	19	19	19	19	19	97	19
30	811220104050	THIRUMAVALAVAN K	18	19	19	19	18	18	18	95	18
31	811220104051	VINITH ROSHAN A	18	19	19	19	18	18	18	96	18
32	811220104052	YUVARAJ M	19	20	20	20	19	19	18	98	19
33	811220104053	YUVA SRI S	19	20	20	20	19	19	18	99	19
34	811220104301	SANTHOSH KUMAR S	19	20	20	20	19	19	19	98	19

Verified
Anita Dorothy T
2/12/21
Class Coordinator
[T-ANITA DOROTHY]

Verified
T. Sujatha
2/12/21
HOD/CSE
[T-Sujatha]

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

02-12-2021

Anna University - COE

Internal Marks Report

College Code / Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 104 - B.E. Computer Science and Engineering

Semester : 05 University : AUC Regulation : 2017

S.No	Register Number	Name	CS8501	CS8581	CS8582	CS8591	CS8592	EC8681	EC8691	MA8551	OCE551
1	811219104001	ARUN R	18	19	19	18	18	19	18	18	18
2	811219104002	BALAMANIKANDA PRABHU B R	19	19	19	19	19	19	19	19	19
3	811219104003	BHARATHI S	19	19	20	19	19	19	19	19	19
4	811219104004	GOWTHAM C	18	19	19	18	18	19	18	18	18
5	811219104005	INDHUMATHI S	18	19	19	18	19	19	19	19	18
6	811219104006	ISHWARYA P	18	19	19	18	19	19	18	18	18
7	811219104007	KALAIYARASAN V	19	19	20	19	19	19	19	19	19
8	811219104008	KEERTHIKA K	19	20	20	19	20	20	20	20	19
9	811219104009	KEERTHIKA V	18	19	20	18	18	19	18	18	18
10	811219104010	KRISHI GOWTHAM R	19	20	20	19	19	20	19	19	19
11	811219104011	LOGADIPA S P	20	20	20	20	20	20	20	20	20
12	811219104012	MOHAMED NOWSATH M	19	20	19	19	18	20	18	18	19
13	811219104013	MOORTHI C	19	19	19	19	18	19	18	18	19
14	811219104014	NANCY N	19	19	20	19	18	19	18	18	19
15	811219104016	PRAVEEN K	19	19	20	19	18	19	18	18	19
16	811219104017	RANJANA S	19	19	20	19	19	19	19	19	19
17	811219104018	RAVINIYA K	19	19	20	19	18	19	19	19	19
18	811219104020	SARANYA P	19	20	20	19	19	20	19	19	19
19	811219104021	SUVALAKSHMI P	19	20	20	19	19	20	19	19	19
20	811219104022	SWEATHA B	19	19	19	19	18	19	18	18	19
21	811219104023	VIGNESHWARAN V	18	19	19	18	18	19	18	18	18
22	811219104024	VIJAYALAKSHMI B	18	19	19	18	19	19	19	19	18
23	811219104025	VINCY SHARMILA V K	19	20	20	19	19	20	19	19	19
24	811219104026	YATHESH M	18	20	19	18	18	20	18	18	18

Verified.

Class Coordinator

A. Suganya.

HOD/CSE

Dr. Sugashini

Principal.

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

02-12-2021

Indra Ganesan College of Engineering

Department of Computer Science and Engineering

Ph.D 2022-2023

Web Entry Period 2

SL NO	REGISTER NO	NAME OF THE STUDENT	CP4252 ML		MU4251 DIP	
			42	Marks out of 100	27	Marks out of 100
1		JENIFER J	40	92	23	93
		Staff Name	Dr. Senthil		T. Anita Dorothy	
		Staff Signature				

Class co-ordinator

HoD/CSE

Principal

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan College of Engineering

DEPARTMENT OF AI&DS

YEAR / SEM (ODD) (BATCH: 2021-2025)

Web Portal Entry **Web Portal Period:** **Start Date 27.07.2023 to** **End Date 21.09.2023**

SL NO	REGISTER NO	NAME OF THE STUDENT	AD3501		CW3551		CS3551		CCS334		CCS336		CCS338		MX3084		213	Attendance %
			27	Marks out of 100	27	Marks out of 100	27	Marks out of 100	35	Marks out of 100	35	Marks out of 100	35	Marks out of 100	27	Marks out of 100	Total HA	
1	811221243002	ABDUR RAHMAN J	21	82	21	83	20	84	32	85	30	83	30	82	20	85	174	88%
2	811221243004	ARUN KUMAR M	22	83	22	84	22	89	32	86	32	86	30	85	24	86	184	93%
3	811221243006	BHARATH KUMAR R	23	89	24	89	24	89	33	90	33	88	33	89	17	90	187	94%
4	811221243009	DHARANI R	26	92	26	93	26	94	34	93	32	95	34	93	19	93	197	99%
5	811221243013	JAVAHAR NISHA B	25	95	25	94	26	96	34	95	33	94	35	94	19	95	197	99%
6	811221243025	MOHAMED FAHADHU A	25	90	25	91	25	89	33	90	33	92	31	90	19	90	191	96%
7	811221243032	RAKESH S	25	89	25	90	26	88	30	91	31	87	31	89	18	91	186	94%
		Staff Name	A. Suganya		A. Ramya		Dr. R. Joseph		Dr. S.V.S. Mani		A. Suganya		J. Jennifer		A. Ramya			
		Staff Signature																

Class co-ordinator **HoD/AI&DS** **Principal**

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Ind_. Ganesan College of Engine_.ing

Department of Computer Science and Engineering

I M.E YEAR / II SEM(EVEN) (BATCH:2022-2024)

Web Entry Period 2 11.05.2023 to 03.07.2023

SL NO	REGISTER NO	NAME OF THE STUDENT	CP4291 IOT		CP4292 MAP		CP4252 ML		SE4151 ASE		MU4251 DIP		CP4079 SQA		AX4092		CP4211 TPW		CP4212 SE LAB	
			42	Marks out of 100	42	Marks out of 100	42	Marks out of 100	27	Marks out of 100	27	Marks out of 100	27	Marks out of 100	20	Marks out of 100	30	Marks out of 100	30	Marks out of 100
1	811222104001	GOATHAR FATHIMA S	40	92	39	91	40	90	24	93	23	91	25	92	18	92	28	89	28	90
		Staff Name	A. Suganya		T. Sugashini		Dr. Senthil		G. Revathi		T. Anita Dorothy		A. Ramya		A. Suganya		T. Anita Dorothy		T. Sugashini	
		Staff Signature																		

Class co-ordinator

HoD/CSE

Principal

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESAN COLLEGE OF ENGINEERING
Department of Computer Science and Engineering
II YEAR / III SEM(ODD) (BATCH:2021-2025)

Web Entry Period 06.02.2023 to 24.05.2023

S. No	Reg. No	NAME OF THE STUDENT	CS3452						CS3491						CS3492						CS3401						CS3451						GE3451						CS3461		CS3481		Total HH	520 Attendance %
			S1	S2	%	CIA1	CIA2	%	S1	S2	%	CIA1	CIA2	%	S1	S2	%	CIA1	CIA2	%	S1	S2	%	CIA1	CIA2	%	S1	S2	%	CIA1	CIA2	%	S1	S2	%	CIA1	CIA2	%	S1	%	S1	%		
			27	28	55	100	100	100	43	42	85	100	100	100	27	28	55	100	100	100	43	42	85	100	100	100	27	28	55	100	100	100	20	20	40	100	100	100	45	100	45	100	520	
1	811221104001	AKSHAY K	21	26	85	83	82	82	35	39	87	81	81	81	25	26	93	87	88	87	35	41	89	83	83	83	25	27	95	84	88	86	18	20	95	83	83	83	43	97	43	97	424	82%
2	811221104002	BHARATHKUMAR S M	21	27	87	78	80	79	35	41	89	78	82	80	25	27	95	78	87	82	35	41	89	78	83	81	20	27	85	75	87	81	20	20	100	75	84	79	43	98	44	98	426	82%
3	811221104004	DHINESH C	20	27	85	75	81	78	34	39	86	75	82	78	20	25	82	75	87	81	34	39	86	75	88	82	24	26	91	76	90	83	20	20	100	76	88	82	42	97	42	97	412	79%
4	811221104005	EYARKAI KAMALI R	27	28	100	95	96	95	43	42	100	93	94	94	27	28	100	92	93	93	43	42	100	93	95	94	25	28	96	90	91	90	20	20	100	90	94	92	45	100	45	100	463	89%
5	811221104006	GOKULNATH P R	26	27	96	84	83	83	42	41	98	81	80	80	22	27	89	87	87	87	42	41	98	83	83	83	25	27	95	84	88	86	20	20	100	86	87	86	43	98	43	98	446	86%
6	811221104007	HARIHARASWAMY M	24	27	93	78	82	80	41	40	95	76	79	77	25	26	93	75	88	82	41	40	95	78	84	81	21	26	85	77	85	81	21	20	103	76	84	80	43	98	43	98	438	84%
7	811221104008	HARISH R	25	27	95	78	83	80	35	40	88	78	81	79	26	27	96	78	89	83	35	41	89	78	85	81	25	27	95	85	89	87	19	20	98	79	85	82	43	98	43	98	433	83%
8	811221104009	HARRISH M	24	27	93	79	84	82	35	42	91	79	80	79	24	27	93	78	92	85	35	41	89	90	88	89	25	27	95	80	93	86	20	20	100	90	88	89	43	99	43	99	433	83%
9	811221104011	HEMA T	21	27	87	90	91	91	35	41	89	92	92	92	22	28	91	94	86	90	35	42	91	92	91	92	25	26	93	90	86	88	20	20	100	91	82	87	43	99	43	99	428	82%
10	811221104012	JACOP ANTONY L	25	26	93	82	80	81	43	39	96	82	75	78	27	25	95	90	82	86	43	40	98	86	81	84	24	27	93	87	85	86	20	20	100	86	86	86	43	99	43	99	445	86%
11	811221104013	JEEVANANTHAM S	22	27	89	85	93	89	35	42	91	80	94	87	21	27	87	82	86	84	35	41	89	81	92	87	20	26	84	83	83	83	15	20	88	82	82	82	43	99	43	99	417	80%
12	811221104014	KATHIRVEL K	20	25	82	81	81	81	33	38	84	77	77	77	20	24	80	77	77	77	33	38	84	83	83	83	20	26	84	95	87	91	20	20	100	94	86	90	43	99	43	99	403	78%
13	811221104015	KEERTHANA J	24	28	95	76	89	83	41	41	96	78	88	83	22	27	89	75	90	83	41	41	96	78	96	87	25	27	95	76	91	83	20	20	100	75	84	80	43	99	43	99	443	85%
14	811221104018	MANIKANDAN N	23	25	87	86	89	87	40	41	95	89	89	89	21	27	87	93	92	92	40	41	95	89	88	88	25	27	95	90	90	90	20	20	100	89	89	89	43	99	43	99	436	84%
15	811221104020	MOHAMED THOUFIK U	22	26	87	83	83	83	40	40	94	83	83	83	24	27	93	89	90	89	38	40	92	85	87	86	25	26	93	86	90	88	20	20	100	85	85	85	42	99	43	99	433	83%
16	811221104023	NAVEENKUMAR S	24	26	91	76	81	79	43	39	96	79	79	79	20	26	84	76	93	85	43	39	96	78	88	83	25	27	95	78	94	86	20	20	100	79	88	84	42	99	43	99	437	84%
17	811221104024	NITHYA A	25	27	95	92	91	91	40	41	95	91	91	91	24	27	93	85	86	85	40	41	95	81	81	81	25	26	93	83	84	84	20	20	100	81	81	81	42	98	43	98	441	85%
18	811221104025	POORNIMA C	24	27	93	88	86	87	43	41	99	88	87	87	24	27	93	87	88	87	43	41	99	83	83	83	25	26	93	85	87	86	20	20	100	83	84	83	42	98	42	98	445	86%
19	811221104026	PRASANNA BALAJI C	20	28	87	89	91	90	40	42	96	91	91	91	25	28	96	88	89	88	38	42	94	84	84	84	25	27	95	86	90	88	20	20	100	84	85	84	42	98	42	98	439	84%
20	811221104028	RAJAPUSHPAM V	24	27	93	87	89	88	41	42	98	90	89	89	24	27	93	87	87	87	41	42	98	88	88	88	25	27	95	85	89	87	20	20	100	83	84	83	42	98	42	98	444	85%
21	811221104029	REETHIKA R	26	28	98	90	92	91	43	42	100	92	93	93	20	28	87	88	91	89	43	42	100	84	84	84	25	26	93	86	89	87	20	20	100	84	85	84	42	98	42	98	447	86%
22	811221104030	RESIKA A V R	22	28	91	95	96	96	42	42	99	96	96	96	24	28	95	90	91	90	42	42	99	90	90	90	25	27	95	87	91	89	20	20	100	91	91	91	42	98	42	98	446	86%
23	811221104031	SANTHOSH P	20	25	82	76	76	76	35	38	86	77	77	77	20	25	82	75	91	83	35	38	86	75	85	80	20	27	85	75	91	83	18	20	95	78	85	82	42	97	42	97	405	78%
24	811221104032	SARAVANAPERUMAL S	20	26	84	83	83	83	42	40	96	84	84	84	22	26	87	88	89	88	42	41	98	84	84	84	25	27	95	85	86	85	20	20	100	84	84	84	42	97	42	97	435	84%
25	811221104034	SELVALAKSHMI G	24	27	93	86	87	87	43	41	99	89	88	88	24	27	93	86	89	87	43	41	99	82	85	83	25	27	95	83	85	84	20	20	100	82	80	81	43	97	42	97	447	86%
26	811221104035	SIVAKUMAR P	24	26	91	81	80	80	42	41	98	81	81	81	24	26	91	87	88	87	42	40	96	83	84	83	25	26	93	85	88	86	20	20	100	83	85	84	43	97	42	97	441	85%
27	811221104036	SUDHAKARAN V	25	26	93	82	82	82	41	40	95	81	81	81	24	26	91	87	87	87	41	40	95	83	83	83	25	27	95	84	85	84	20	20	100	83	83	83	43	97	44	97	442	85%
28	811221104037	SUGAVANESHWARAN S	24	26	91	84	86	85	43	42	100	83	85	84	20	25	82	88	89	88	43	40	98	84	85	84	22	27	89	85	89	87	20	20	100	84	84	84	43	97	44	97	439	84%
29	811221104038	SUMAIYA BEGAM S	20	27	85	88	89	88	35	42	91	90	90	90	24	27	93	87	87	87	35	41	89	85	85	85	25	27	95	84	88	86	20	20	100	83	83	83	43	97	44	97	430	83%
30	811221104040	SURUTHI Y	24	27	93	85	86	85	43	41	99	89	90	89	24	27	93	90	90	90	43	41	99	86	86	86	25	27	95	84	84	84	20	20	100	83	83	83	43	97	44	97	449	86%
31	811221104041	SURYA D	26	26	95	78	84	81	35	40	88	79	84	81	25	26	93	78	87	83	35	40	88	79	86	83	24	27	93	76	88	82	20	20	100	78	83	81	43	97	44	97	431	83%
32	811221104043	SYED ANWAR S	20	28	87	82	95	88	35	40	88	83	85	84	20	26	84	88	88	88	35	40	88	86	86	86	20	27	85	84	84	84	19	20	98	83	83	83	43	98	44	98	417	80%
33	811221104044	THAVAPRIYA S	24	0	44	78	0	39	41	0	48	78	0	39	20	0	36	89	0	45	41	0	48	85	0	43	19	0	35	84	0	42	19	0	48	83	0	42	0	40	0	40	164	32%
34	811221104045	VASANTHAVEL S	24	26	91	75	83	79	35	39	87	78	82	80	24	27	93	78	90	84	37	39	89	76	84	80	25	27	95	78	84	81	20	20	100	78	83	81	43	98	44	98	430	83%
35	811221104046	VENGADESWARI M	26	27	96	84	85	84	38	41	93	84	85	84	26	26	95	90	90	90	38	40	92	86	86	86	25	26	93	85	86	86	20	20	100	83	83	83	43	98	44	98	440	85%
36	811221104048	VISHWA S	20	26	84	78	84	81	35	40	88	76	85	81	22	27	89	77	89	83	38	41	93	75	83	79	25	27	95	78	88	83	20	20	100	78	83	81	43	98	44	98	428	82%
37	811221104049	YOGAPRIYA N	24	27	93	88	88	88	40	41	95	90	90	90	24	27	93	89	89	89	35	41	89	86	86	86	25	27	95	85	88	86	20	20	100	83	83	83	43	98	44	98	438	84%
		Staff Name	Ms. J. Jenifer						Ms. T. Anita						Ms. G. Revathi						Dr. M.Senthil						Ms. A. Ramya						Dr. Sivaraman						Ms. A. Ram		Ms. G. Rev			
		Staff Signature																																									

Class co-ordinator

Hod/CSE 24/5/23

Principal

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

IDRA GANESAN COLLEGE OF ENGINEERING, TRICHY-12

ANNA UNIVERSITY - COE WEB PORTAL

INTERNAL ASSESSMENT CONSOLIDATE SHEET (IAS)

OVERALL 2019-2023	104-COMPUTER SCIENCE & ENGINEERNING V-SEMESTER		Algebra and Number Theory						Computer Networks						Microprocessors and Microcontrollers						Theory of Computation						Object Oriented Analysis and Design						Air Pollution and Control Engineering						MPMC Lab						OOAD Lab						Network Lab						OVERALL		
S.No	Reg. Number	Student	Sem-	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	TOT	ATTD.	%
				15	14	16	15	60		10	12	11	12	45		10	12	11	12	45		11	11	10	13	45		11	11	11	12	45		11	11	13	12	45		12	16	20	12	60		16	16	12	16	60		16	16	16	12	60				
1	811219104001	Arun R	5 - A	13	12	14	14	53	88	9	10	10	11	39	88	9	10	10	11	39	88	9	9	9	12	40	88	9	9	10	11	39	88	9	9	10	11	39	88	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	431	93%
2	811219104002	Balamanikandaprabhu Br	5 - A	13	12	14	15	54	89	9	10	9	12	39	88	9	10	10	12	40	90	9	9	9	13	41	90	9	9	10	12	40	89	9	9	10	12	39	87	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	434	93%
3	811219104003	Bharathi S	5 - A	14	14	16	15	59	99	9	12	10	12	43	96	9	12	10	12	43	96	10	11	10	13	44	98	10	11	10	12	43	96	10	11	10	12	43	96	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	456	98%
4	811219104004	Gowtham C	5 - A	13	12	14	14	53	88	9	10	11	11	40	91	9	10	11	11	40	91	9	9	10	12	41	90	9	9	11	11	40	90	9	9	11	11	40	90	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	436	94%
5	811219104005	Indhumathi S	5 - A	14	12	16	15	57	95	9	10	11	12	42	94	9	10	10	12	41	92	10	9	9	13	41	92	10	9	10	12	41	91	10	9	11	12	42	94	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	445	96%
6	811219104006	Ishwarya P	5 - A	14	12	16	15	57	95	9	10	11	12	42	94	9	10	11	12	42	94	10	9	10	13	42	94	10	9	11	12	42	94	10	9	11	12	42	94	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	448	96%
7	811219104007	Kalaiyarasan V	5 - A	15	14	16	15	60	100	10	12	11	12	45	100	10	12	11	12	45	100	11	11	10	13	45	100	11	11	11	12	45	100	11	11	11	12	45	100	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	465	100%
8	811219104008	Keerthika K	5 - A	15	14	16	15	60	100	10	12	11	12	45	100	10	12	11	12	45	100	11	11	10	13	45	100	11	11	11	12	45	100	11	11	11	12	45	100	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	440	95%
9	811219104009	Keerthika V	5 - A	15	12	14	15	56	93	9	10	10	12	41	92	9	10	9	12	40	90	10	9	9	13	41	92	10	9	9	12	40	89	10	9	10	12	41	91	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	444	95%
10	811219104010	Krishi Gowtham R	5 - A	14	12	15	15	56	92	9	10	11	12	42	94	9	10	10	12	41	92	10	9	9	13	41	92	10	9	10	12	41	91	10	9	11	12	42	94	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	465	100%
11	811219104011	Logadipa Sp	5 - A	15	14	16	15	60	100	10	12	11	12	45	100	10	12	11	12	45	100	11	11	10	13	45	100	11	11	11	12	45	100	11	11	11	12	45	100	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	465	100%
12	811219104012	Mohamed Nowsath M	5 - A	13	12	16	14	55	91	9	10	9	11	38	86	9	10	10	11	39	88	9	9	9	12	40	88	9	9	10	11	39	88	9	9	9	11	38	85	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	431	93%
13	811219104013	Moorthi C	5 - A	12	12	14	14	52	86	9	10	9	11	38	86	9	10	10	11	39	88	9	9	9	12	40	88	9	9	10	11	39	88	9	9	9	11	38	85	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	428	92%
14	811219104014	Nancy C	5 - A	13	14	16	15	58	96	9	12	11	12	43	96	9	12	10	12	42	94	9	11	9	13	43	94	9	11	10	12	42	94	10	11	11	12	44	98	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	452	97%
15	811219104016	Praveen K	5 - A	13	12	14	14	53	88	9	10	9	11	38	86	9	10	9	11	38	86	9	9	9	12	40	88	9	9	9	11	38	85	9	9	9	11	38	85	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	427	92%
16	811219104017	Ranjana S	5 - A	13	12	14	15	54	89	9	10	9	12	39	88	9	10	11	12	41	92	9	9	9	13	41	90	9	9	11	12	41	92	9	9	9	12	39	87	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	436	94%
17	811219104018	Ravinya K	5 - A	15	14	16	15	60	100	10	12	11	12	45	100	10	12	11	12	45	100	11	11	9	13	44	98	11	11	11	12	45	100	10	11	11	12	44	98	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	463	100%
18	811219104019	Sakthivel M	5 - A	12	11	0	0	23	38	8	10	0	0	18	40	8	10	0	0	18	40	9	9	0	0	18	39	9	9	0	0	18	39	9	9	0	0	18	39	9	16	0	0	25	42	13	13	0	0	26	43	13	13	0	0	25	41	465	187	40%
19	811219104020	Saranya P	5 - A	15	14	16	15	60	100	9	12	11	12	44	98	9	12	11	12	44	98	11	11	10	13	45	100	11	11	11	12	45	100	11	11	11	12	45	100	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	463	100%
20	811219104021	Suvalakshmi P	5 - A	15	14	16	15	60	100	9	12	11	12	44	98	10	12	11	12	45	100	11	11	10	13	45	100	11	11	11	12	45	100	11	11	11	12	45	100	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	464	100%
21	811219104022	Sweatha B	5 - A	14	14	14	15	57	95	9	12	9	12	42	94	9	12	10	12	43	96	10	11	10	13	44	98	10	11	10	12	43	96	10	11	9	12	42	94	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	452	97%
22	811219104023	Vigneshwaran V	5 - A	13	12	14	15	54	89	9	10	9	12	39	88	9	10	10	12	40	90	9	9	10	13	42	92	9	9	10	12	40	89	9	9	9	12	39	87	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	435	93%
23	811219104024	Vijayalakshmi B	5 - A	14	14	16	15	59	97	9	12	10	12	42	94	9	12	11	12	44	98	10	11	10	13	44	98	10	11	11	12	44	98	11	11	10	12	44	98	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	457	98%
24	811219104025	Vincy Sharmila K	5 - A	15	14	16	15	60	100	10	12	11	12	45	100	10	12	11	12	45	100	11	11	10	13	45	100	11	11	11	12	45	100	11	11	11	12	45	100	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	465	100%
25	811219104026	Yathesh M	5 - A	13	12	14	14	53	88	9	10	9	11	38	86	9	10	10	11	39	88	9	9	9	12	40	88	9	9	10	11	39	88	9	9	9	11	38	85	12	16	20	12	60	100	16	16	12	16	60	100	16	16	16	12	60	100	465	429	92%

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Head of the Department

Coordinator

Internal Marks Report

College Code / Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 205 - B.Tech. Information Technology

Semester : 03 University : AUC Regulation : 2021

S.No	Register Number	Name	CD3281	CD3291	CS3351	CS3352	CS3361	CS3381	CS3391	GE3361	MA3354
1	811221205001	ANGEL EPSIBA A	59	39	49	39	58	59	39	96	39
2	811221205002	ARUL ROSELINE A	45	28	35	28	45	45	28	76	28
3	811221205003	ASARUDHEEN K	58	33	42	35	56	58	34	89	35
4	811221205004	BARAKKATH NISHA S	59	39	49	39	59	59	39	96	39
5	811221205005	BRUNDHA P	59	39	49	39	58	59	39	96	39
6	811221205007	DEEPIKA P	59	39	48	38	56	59	39	96	38
7	811221205009	DINESH M	58	38	47	38	55	59	37	94	37
8	811221205010	GNANASAMUEL A	59	38	49	38	59	59	38	94	38
9	811221205013	JAISURYA K	57	37	46	37	59	58	37	98	37
10	811221205014	JENANI R	59	40	50	40	59	59	39	95	40
11	811221205015	KANNAN M	57	34	44	35	56	55	35	98	35
12	811221205016	KARTHIKRAJA M	55	31	40	32	55	53	32	89	32
13	811221205017	KAVIN J	55	34	43	34	55	58	34	97	35
14	811221205018	KAYATHRI S	59	39	49	39	59	59	39	99	39
15	811221205019	KISHORE M	57	32	42	34	55	58	34	96	33
16	811221205020	LALITHA K	59	38	47	37	58	58	38	97	38
17	811221205021	MADHAN S	59	37	48	38	56	58	38	99	37
18	811221205022	MANIKANDAN M	55	35	45	36	55	55	36	91	36
19	811221205023	MOHAMED ANAS J	59	39	49	39	59	59	39	99	39
20	811221205024	MOHAMED ASLAM S	55	36	46	36	56	55	37	91	37
21	811221205025	MONIKA SRI B	55	34	43	34	55	55	35	91	34
22	811221205029	PRASANNA M	56	34	46	35	56	55	34	96	36
23	811221205030	ROBINSON R	55	32	40	33	55	53	32	89	32
24	811221205032	SANTHOSH KUMAR P	55	33	41	32	55	54	33	97	33
25	811221205033	SATHISHKANNAN S	55	33	41	33	58	55	33	97	34
26	811221205034	SEBASTHIYAN S	59	37	48	38	59	59	38	99	38
27	811221205035	STEPHEN S	59	38	48	38	59	59	39	99	39
28	811221205036	SUBASHINI M	59	39	49	39	59	55	39	99	39
29	811221205037	SUBASRI M	59	40	50	40	59	58	40	99	40
30	811221205038	SUJHIN R	55	33	41	33	55	53	32	89	32
31	811221205039	SUMITHA A	59	34	44	33	59	58	35	91	35
32	811221205041	SURYA JETLY T	59	38	48	39	59	58	38	99	39
33	811221205042	UDHAYA HARISH B	58	34	43	34	55	55	34	91	34
34	811221205043	UDHAYANITHI C	56	33	43	33	55	56	35	91	33
35	811221205044	UMA MAHESWARI R	59	38	48	38	59	59	38	99	38
36	811221205045	VANITHA G	59	39	49	39	59	59	39	99	39
37	811221205046	VIDHYA BHARATHI K	59	39	49	39	59	59	39	99	39
38	811221205048	YASAR ARAFATH A	55	34	43	35	57	55	35	91	35
39	811221205301	NITHYA S	59	37	46	37	59	55	37	99	38
40	811221205701	SATHISH KUMAR M	59	37	47	38	57	59	38	96	37
41	811221205702	PRASANYA P	58	38	47	38	57	55	37	94	37

Dr. C. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Internal Marks Report

College Code / Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 631 - M.B.A

Semester : 03 University : AUC Regulation : 2021

S.No	Register Number	Name	BA4001	BA4002	BA4003	BA4015	BA4016	BA4019	BA4301	BA4302	BA4311	BA4312
1	811221631002	ABITHA A	38	36	37	38	38	38	38	38	91	97
2	811221631003	ALBERT S	35	35	34	37	36	35	34	35	87	89
3	811221631005	ARUN AK	31	30	31	31	31	30	30	30	75	91
4	811221631006	ARUN N	35	33	32	33	32	32	32	34	83	75
5	811221631007	BALAGURU J	33	36	36	36	38	35	34	35	91	82
6	811221631008	DHINESH A	34	35	32	32	32	33	33	32	88	81
7	811221631009	DHIVYA A	31	30	31	30	30	31	31	31	76	79
8	811221631010	EBINESAR PAUL A	31	33	33	30	31	32	32	31	82	75
9	811221631012	GANESAN M	37	36	36	36	37	37	37	37	91	90
10	811221631013	GAYATHRI K	30	30	30	30	29	30	30	30	75	73
11	811221631016	JEEVITHA R	32	30	30	30	31	31	31	31	74	95
12	811221631017	KAVIYA R	36	37	36	33	33	36	36	39	92	94
13	811221631019	KISHORE KUMAR M	37	37	37	36	38	37	37	37	93	95
14	811221631020	LAVANYA M	35	34	35	32	33	34	34	36	86	81
15	811221631021	LOGANATHAN P	38	37	37	37	38	37	37	38	92	91
16	811221631023	MOHAMED RIYAS U	31	30	30	30	30	31	31	30	76	60
17	811221631024	MOHANASUNDHARAM K	31	32	32	31	32	33	32	33	80	82
18	811221631026	MUKESHKANNAN K	31	30	30	30	30	31	31	30	76	81
19	811221631027	NANTHA KUMAR S	35	34	35	38	37	35	34	34	85	93
20	811221631028	NIRMALA M	38	38	38	34	35	38	38	38	94	95
21	811221631029	PAVITHRAN P	35	36	33	33	33	34	34	33	90	85
22	811221631030	PRASANTH R	34	34	33	34	35	35	34	32	86	83
23	811221631031	PRATHIUSHA R	31	30	31	31	30	30	30	30	76	74
24	811221631032	RAJENDAR S	34	33	34	37	36	35	34	34	82	91
25	811221631034	RAMYA S	39	38	37	38	39	37	38	38	94	95
26	811221631035	RUBIN BHARATHI B	36	36	36	35	35	37	36	36	91	95
27	811221631036	RUBINI P	37	37	37	37	38	37	37	37	92	91
28	811221631037	SAKTHIVEL T	30	30	30	31	31	30	30	30	76	61
29	811221631038	SANDHIYA S	30	30	30	31	31	31	31	30	75	83
30	811221631040	SANGILI ANDAVAN N	30	31	31	30	31	30	30	30	77	60

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
16 Valley, Madurai Main Road
Manikandam, Trichy-620 012.

01-12-2023

Anna University - COE

Internal Marks Report

College Code / Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 631 - M.B.A

Semester : 03 University : AUC Regulation : 2021

S.No	Register Number	Name	BA4001	BA4002	BA4003	BA4015	BA4016	BA4019	BA4301	BA4302	BA4311	BA4312
31	811221631042	SANTHOSH ALAN RAJ A	36	36	36	37	36	36	36	37	91	91
32	811221631043	SARAN L	38	38	38	38	38	38	38	38	96	95
33	811221631044	SARATHA C	32	30	31	32	30	31	32	30	76	75
34	811221631046	SHARMILA KV	31	29	29	30	30	30	31	30	73	85
35	811221631047	SHEELA RANI N	38	38	38	38	38	37	38	37	94	92
36	811221631048	SIVAPARIMALESHWARI B	37	38	38	38	39	38	37	38	94	94
37	811221631051	SUBASH P	34	35	35	35	36	35	34	36	87	91
38	811221631053	THULASIMANI M	37	37	37	36	37	37	37	37	92	91
39	811221631054	VASANTH G	35	34	35	37	36	35	35	36	93	92
40	811221631055	VASANTHA PRIYA S	30	30	31	31	30	30	30	30	76	91
41	811221631056	VIGNESHWARI G	36	37	37	36	34	37	36	37	92	86
42	811221631057	VIJAYALAKSHMI M	36	36	36	38	38	37	37	37	92	92
43	811221631058	VIJAYASASTHIRIRAI K	37	37	38	33	34	36	35	38	94	86

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

01-12-2023

Anna University - COE

Internal Marks Report

College Code / Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING

Branch Code / Name : 405 - M.E. Computer Science and Engineering

Semester : 03 University : AUC Regulation : 2021

S.No	Register Number	Name	CP4311	CP4391	DS4015	IF4091	MP4292
1	811221405001	MADHUMATHI K	38	38	38	38	48
2	811221405002	VINITHA DEVI P	38	38	38	38	47

Dr. G. Balakrishnan, M.E., ...
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

01-12-2023

INDRA GANESAN COLLEGE OF ENGINEERING, TRICHY-12

ANNA UNIVERSITY - COE WEB PORTAL

INTERNAL ASSESSMENT CONSOLIDATE SHEET (IAS)

OVERALL 2018-2022	104-COMPUTER SCIENCE & ENGINEERNING VII-SEMESTER		Principles of Management						Cryptography and Network Security						Cloud Computing						Systems Engineering						Software Project Management						Human Computer Interaction						CC Lab						Security Lab						OVERALL		
S.No	Reg. Number	Student	Sem-	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	TOT	ATTD.	%
				11	11	13	10	45		11	11	13	10	45		11	11	12	11	45		11	11	13	10	45		11	11	13	10	45		10	12	13	10	45		12	16	12	20	60		16	16	12	16	60				
1	811218104001	AISHWARYA M	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
2	811218104002	AJITH KUMAR S	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
3	811218104003	ARAVINDH SAMY P	7 - A	10	10	13	10	43	95	10	10	13	10	43	95	10	10	12	10	43	95	10	10	13	10	43	95	10	10	13	10	43	95	10	11	13	10	43	95	12	16	12	20	60	100	16	16	12	16	60	100	390	377	97%
4	811218104004	ARJUN V	7 - A	10	10	11	10	41	90	10	10	11	10	41	90	10	10	10	11	41	90	10	10	11	10	41	90	10	10	11	10	41	90	9	10	11	10	41	90	12	16	12	20	60	100	16	16	12	16	60	100	390	363	93%
5	811218104005	DHARSHINI A	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
6	811218104006	DINESH KUMAR K	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
7	811218104007	GOWTHAM K	7 - A	10	9	11	10	40	89	10	9	11	10	40	89	10	9	10	11	40	89	10	9	11	10	40	89	10	9	11	10	40	89	9	10	11	10	40	89	12	16	12	20	60	100	16	16	12	16	60	100	390	359	92%
8	811218104008	HARIHARAN N	7 - A	10	9	11	10	39	87	10	9	11	10	39	87	10	9	10	10	39	87	10	9	11	10	39	87	10	9	11	10	39	87	9	10	11	10	39	87	12	16	12	20	60	100	16	16	12	16	60	100	390	354	91%
9	811218104009	HEMA LATHA B	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
10	811218104010	JEGATHISWARLD	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
11	811218104011	JOSHI DAYANA K	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	9	10	11	10	40	89	12	16	12	20	60	100	16	16	12	16	60	100	390	359	92%
12	811218104012	KANAGARAJ K S	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	354	91%
13	811218104013	KIRUTHIGA V	7 - A	9	9	11	10	39	85	9	9	11	10	39	85	9	9	10	10	38	84	9	9	11	10	39	85	9	9	11	10	39	85	8	10	11	10	39	85	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
14	811218104014	MADHAVAN S	7 - A	11	10	13	10	44	97	11	10	13	10	44	97	11	10	12	11	44	97	11	10	13	10	44	97	11	10	13	10	44	97	10	10	13	10	43	95	12	16	12	20	60	100	16	16	12	16	60	100	390	349	90%
15	811218104015	MAHENDRAN S	7 - A	9	9	11	10	39	87	9	9	11	10	39	87	9	9	10	11	39	87	9	9	11	10	39	87	9	9	11	10	39	87	8	10	11	10	39	87	12	16	12	20	60	100	16	16	12	16	60	100	390	380	98%
16	811218104017	MUTHAIYA P	7 - A	11	11	11	10	44	97	11	11	11	10	44	97	11	11	10	11	44	97	11	11	11	10	44	97	11	11	11	10	44	97	10	12	11	10	44	97	12	16	12	20	60	100	16	16	12	16	60	100	390	354	91%
17	811218104018	NEETHIMOZHI A	7 - A	10	9	11	10	39	87	10	9	11	10	39	87	10	9	10	10	39	87	10	9	11	10	39	87	10	9	11	10	39	87	9	10	11	10	39	87	12	16	12	20	60	100	16	16	12	16	60	100	390	381	98%
18	811218104019	NITHYA P	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	354	91%
19	811218104020	NIVEDHA S	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
20	811218104021	PRIYANGA.G	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
21	811218104022	RAMYA R	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	354	91%
22	811218104023	SHARVESH CHARAN S A	7 - A	11	11	13	10	45	98	11	11	13	10	45	98	11	11	12	10	45	98	11	11	13	10	45	98	11	11	13	10	45	98	10	12	13	10	45	98	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
23	811218104024	SATHASIVAM P	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
24	811218104026	SHALINI P	7 - A	10	9	11	10	39	87	10	9	11	10	39	87	10	9	10	11	40	89	10	9	11	10	39	87	10	9	11	10	39	87	9	10	11	10	39	87	12	16	12	20	60	100	16	16	12	16	60	100	390	386	99%
25	811218104027	SHANMUGANATHAN P	7 - A	10	10	13	10	43	95	10	10	13	10	43	95	10	10	12	11	43	95	10	10	13	10	43	95	10	10	13	10	43	95	9	11	13	10	43	95	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
26	811218104028	SHEELA.S	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	355	91%
27	811218104029	SUDHAKARAN C	7 - A	10	9	12	10	41	90	10	9	12	10	41	90	10	9	11	11	41	90	10	9	12	10	41	90	10	9	12	10	41	90	9	10	12	10	41	90	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
28	811218104030	SUGASINI.G	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	377	97%
29	811218104031	VAISHNAVI G	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	9	10	12	10	41	90	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
30	811218104032	VIGNA SRI S	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	363	93%
31	811218104033	VIJAYA DHARANI K	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
32	811218104034	VINOTHINI S	7 - A	11	11	13	10	45	100	11	11	13	10	45	100	11	11	12	11	45	100	11	11	13	10	45	100	11	11	13	10	45	100	10	12	13	10	45	100	12	16	12	20	60	100	16	16	12	16	60	100	390	390	100%
33	811218104501	SIVASANGARI C	7 - A	10	10	12	10	43	95	10	10	12	10	43	95	10	10	11	11	43	95	10	10	12	10	43	95	10	10	12	10	43	95	10	11	12	10	43	95	12	16	12	20	60	100	16	16	12	16	60	100	390	377	97%

ss Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

INDRA GANESANCOLLEGE OF ENGINEERING,TRICHY-12

ANNAUNIVERSITY-INTERNAL ASSESSMENT

Consolidate 2020 - 2021 ODD		405-ME COMPUTER SCIENCE & ENGINEERNING		MA5160 Applied Probability and Statistics						CP5151 Advanced Data Structures and Algorithms						CP5152 Advanced Computer Architecture						CP5153 Operating System Internals						CP5154 Advanced Software Engineering						CP5191 Machine Learning Techniques						CP5161 Data Structures Laboratory					
S.No	Reg. Number	Student	Sem	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%	S1	S2	S3	S4	TOT	%
1	811220405001	Deepa Lakshmi N	1- A	10	13	14	14	51	86	10	13	14	14	51	86	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	12	12	16	16	56	94
2	811220405002	Iswarya R	1- A	10	14	13	14	51	86	10	14	13	14	51	86	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	12	12	16	16	56	94
3	811220405003	Karthiga M	1- A	10	13	14	14	51	86	10	13	14	14	51	86	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	12	12	16	16	56	94
4	811220405004	Karthika M	1- A	10	14	13	14	51	86	10	14	13	14	51	86	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	12	12	16	16	56	94
5	811220405005	Ramalakshmi M	1- A	10	13	14	14	51	86	10	13	14	14	51	86	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	7	10	10	11	38	85	12	12	16	16	56	94

EXAMCELL COORDINATOR

HOD-CSE

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

PRINCIP

INDRA GANESANCOLLEGE OF ENGINEERING,TRICHY-12

ANNAUNIVERSITY-

SLOT-I (16-12-19 to11-01-2020)		104-COMPUTER SCIENCE & ENGINEERNING		CS6008 HCI				CS6801 MAP				MG6088 SPPM				CS6811 PROJECT			
S.No	Reg. Number	Student	Sem	%	TOT	IG	COE	%	TOT	IG	COE	%	TOT	IG	COE	%	TOT	IG	ATT
1	811216104002	ANJALADEVI J	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
2	811216104003	APARNA S	8-A	80	10	8	7	80	10	8	7	80	10	8	7	80	35	28	25
3	811216104004	ARCHANA T	8-A	100	10	10	9	100	10	10	9	100	10	10	9	80	35	28	25
4	811216104005	BAKKIYA V	8-A	100	10	10	9	100	10	10	9	100	10	10	9	80	35	28	25
5	811216104007	BANUMATHI D	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
6	811216104008	DHANUSH S	8-A	70	10	7	6	50	10	5	4	70	10	7	6	100	35	35	31
7	811216104009	DHIVYA B	8-A	90	10	9	8	100	10	10	9	100	10	10	9	100	35	35	31
8	811216104010	DIVYA R	8-A	80	10	8	7	90	10	9	8	80	10	8	7	66	35	23	20
9	811216104011	GANESHKUMAR A	8-A	100	10	10	9	100	10	10	9	100	10	10	9	80	35	28	25
10	811216104012	GOBALA KRISHNAN R	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
11	811216104013	GUNASEKAR P	8-A	70	10	7	6	70	10	7	6	70	10	7	6	100	35	35	31
12	811216104014	JOTHIKA R	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
13	811216104015	KARTHIKEYAN J	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
14	811216104016	KEERTHANA K	8-A	90	10	9	8	90	10	9	8	90	10	9	8	100	35	35	31
15	811216104017	KEERTHANA P	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
16	811216104018	KIRUBAKARAN M	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
17	811216104019	KIRUTHIKA R	8-A	100	10	10	9	100	10	10	9	100	10	10	9	80	35	28	25
18	811216104020	MEENAKSHI S	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
19	811216104021	NAVEEN K	8-A	90	10	9	8	80	10	8	7	90	10	9	8	100	35	35	31
20	811216104022	NAVEENKUMAR S	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
21	811216104023	NEROSON KIOSUS N	8-A	90	10	9	8	90	10	9	8	90	10	9	8	80	35	28	25
22	811216104024	PAVITHRA G	8-A	80	10	8	7	70	10	7	6	80	10	8	7	100	35	35	31
23	811216104026	PAVITHRA.R	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
24	811216104027	PRABAHAR R	8-A	70	10	7	6	70	10	7	6	70	10	7	6	80	35	28	25
25	811216104028	RACIKA R	8-A	100	10	10	9	100	10	10	9	100	10	10	9	80	35	28	25
26	811216104029	RAHUL S	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
27	811216104030	REVATHI N	8-A	100	10	10	9	100	10	10	9	100	10	10	9	80	35	28	25
28	811216104031	SARANYA A	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
29	811216104032	SARANYA M	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
30	811216104033	SARAVANAN M	8-A	80	10	8	7	80	10	8	7	80	10	8	7	100	35	35	31
31	811216104034	SHARUN PRABU A	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
32	811216104035	SOUNDHARYA J	8-A	80	10	8	7	80	10	8	7	80	10	8	7	86	35	30	26
33	811216104036	TAMILSELVAN M	8-A	90	10	9	8	80	10	8	7	90	10	9	8	100	35	35	31
34	811216104038	THARIK A	8-A	100	10	10	9	100	10	10	9	100	10	10	9	80	35	28	25
35	811216104039	VARSHA S	8-A	70	10	7	6	60	10	6	5	70	10	7	6	100	35	35	31
36	811216104040	VIGNESHWARACHARI S	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
37	811216104041	VIJAYALAKSHMI M	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
38	811216104042	VIJAYALAKSHMI P	8-A	70	10	7	6	70	10	7	6	70	10	7	6	86	35	30	26
39	811216104043	VINITHA M	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
40	811216104044	VINITHA DEVI P	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
41	811216104045	YOGESHWARAN S	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31
42	811216104046	YUVASRI T	8-A	100	10	10	9	100	10	10	9	100	10	10	9	100	35	35	31

Certified that totally 57 Periods has been conducted for Slot -I

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

EXAMCELL COORDINATOR

HOD

PRINCIPAL

INDRA GANESAN COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Web portal Entry - Slot - III Year CSE

III CSE / VI SEM (EVEN SEM) (BATCH: 2020 - 2024)

Web Entry Period 06.02.2023 to 12.05.2023

S. No	Reg. No	NAME OF THE STUDENT	CS8603 - DS									CS8691 - AI									CS8601 - MC									CS8602 - CD									CS8651 - IP									CS8661 IP LAB		CS8662 MAD LAB		CS8611 MINI PROJECT		Communication Lab		Total HH	552
			S1	S2	S3	S4	%	CIA1	CIA2	M-1	%	S1	S2	S3	S4	%	CIA1	CIA2	M-1	%	S1	S2	S3	S4	%	CIA1	CIA2	M-1	%	S1	S2	S3	S4	%	CIA1	CIA2	M-1	%	S1	S2	S3	S4	%	CIA1	CIA2	M-1	%										Attendance %
			14	14	14	14	56	100	100	100	100	14	14	14	14	56	100	100	100	100	14	14	14	14	56	100	100	100	100	21	22	22	23	88	100	100	100	100	14	14	14	14	56	100	100	100	100	60	100	60	100	60	100	60	100	552	
1	811220104002	Akshaya T	14	12	13	14	95%	98	98	95	97	14	12	14	14	96%	94	94	95	94	14	13	13	14	96%	98	98	98	98	21	21	22	23	99%	90	90	91	90	14	13	13	14	96%	94	94	95	94	60	98	60	98	60	94	60	98	528	97%
2	811220104004	Appas Ali.D	13	14	14	14	98%	91	91	91	91	14	13	13	14	96%	86	86	98	90	14	13	13	14	96%	91	91	92	91	20	22	22	22	98%	85	85	92	87	13	13	13	13	93%	85	85	95	88	59	95	58	91	59	86	59	95	522	96%
3	811220104005	Aravindh V K	14	13	13	13	95%	78	78	90	82	14	14	14	12	96%	79	79	90	83	13	14	14	13	96%	78	78	96	84	21	21	20	22	95%	78	78	95	84	14	14	13	14	98%	78	78	92	83	58	88	57	90	58	90	58	88	518	95%
4	811220104007	Ayisha Siddeequa A	14	14	14	14	100%	99	99	98	99	14	14	14	14	100%	98	98	98	98	14	14	14	14	100%	99	99	98	99	21	22	22	23	100%	96	96	94	95	14	14	14	14	100%	98	98	95	97	60	99	60	99	60	98	60	99	538	99%
5	811220104008	Benasir S	14	13	13	14	96%	98	98	95	97	14	14	14	14	100%	97	97	95	96	14	14	14	14	100%	98	98	96	97	21	22	22	23	100%	95	95	95	95	14	14	14	14	100%	97	97	96	97	60	98	60	98	60	97	60	98	536	99%
6	811220104012	Cibina S	13	13	13	13	93%	91	91	90	90	13	14	14	13	96%	91	91	90	91	14	14	14	14	100%	91	91	90	90	21	22	22	23	100%	88	88	90	88	13	14	14	13	96%	91	91	90	91	58	91	59	91	58	91	58	91	523	96%
7	811220104013	Devi K	14	14	14	14	100%	89	89	95	91	14	14	14	14	100%	89	89	92	90	14	14	14	14	100%	89	89	92	90	20	22	22	22	98%	86	86	92	88	14	14	14	14	100%	88	88	90	88	60	92	58	89	59	90	60	92	533	98%
8	811220104014	Dhivyadharshini A	13	13	13	13	93%	85	85	90	86	14	14	14	12	96%	86	86	95	89	13	14	14	13	96%	85	85	95	88	20	22	21	21	95%	80	80	92	84	13	14	14	13	96%	83	83	95	87	58	88	58	90	58	90	58	88	517	95%
9	811220104015	Divyakeerthan P	14	14	14	14	100%	98	98	98	98	14	14	14	14	100%	95	95	95	95	14	14	14	14	100%	98	98	92	96	21	22	22	21	98%	93	93	93	93	14	14	14	13	98%	95	95	92	94	60	98	60	98	60	95	60	98	535	98%
10	811220104016	Gayathri P	14	13	13	14	96%	91	91	90	90	14	14	14	13	98%	89	89	92	90	14	14	14	14	100%	91	91	90	90	21	22	22	22	99%	87	87	95	89	14	14	14	14	100%	88	88	93	89	58	91	60	91	60	92	58	91	530	97%
11	811220104017	Gnanaprakasam A	13	11	11	14	88%	78	78	90	82	13	13	13	13	93%	79	79	95	84	13	13	13	13	93%	78	78	98	85	21	21	19	21	93%	79	79	98	85	13	13	13	13	93%	79	79	90	83	58	90	58	92	59	92	58	90	507	93%
12	811220104018	Gowrisankar G	14	11	11	14	89%	79	79	90	83	14	11	11	14	89%	78	78	90	82	14	14	14	14	100%	79	79	90	83	21	22	22	22	99%	79	79	92	83	14	14	14	14	100%	79	79	90	83	59	92	60	94	60	94	59	92	523	96%
13	811220104019	Hariharan K	12	12	11	12	84%	78	78	85	80	12	12	12	12	86%	78	78	88	81	12	12	11	12	84%	75	75	95	82	20	20	18	23	92%	76	76	92	81	12	12	10	13	84%	77	77	95	83	56	85	56	85	56	88	56	85	482	89%
14	811220104024	Kamali A	14	12	12	14	93%	98	98	98	98	14	14	14	14	100%	98	98	96	97	14	14	14	14	100%	98	98	98	98	21	22	22	23	100%	96	96	90	94	14	14	14	14	100%	98	98	96	97	60	98	60	98	60	98	60	98	534	98%
15	811220104025	Kamatchi S	14	11	11	14	89%	90	90	92	91	14	14	14	13	98%	89	89	95	91	14	14	14	14	100%	90	90	92	91	20	22	22	22	98%	87	87	95	90	14	14	14	14	100%	88	88	95	90	59	95	59	90	60	90	59	95	526	97%
16	811220104027	Kiruthika M	14	11	11	14	89%	94	94	95	94	14	14	14	14	100%	95	95	95	95	14	14	14	14	100%	94	94	94	94	21	22	22	22	99%	93	93	92	93	14	14	14	13	98%	95	95	96	95	60	96	60	94	60	96	60	96	530	97%
17	811220104029	Mathavan N	14	14	14	12	96%	88	88	95	90	14	12	12	13	91%	89	89	92	90	14	12	12	13	91%	88	88	92	89	21	21	22	21	97%	83	83	92	86	14	12	12	14	93%	86	86	92	88	59	88	59	90	59	90	59	88	516	95%
18	811220104031	Monisha R	14	14	14	14	100%	85	85	96	88	14	14	14	12	96%	85	85	98	89	14	14	14	14	100%	85	85	95	88	21	21	20	23	97%	81	81	90	84	14	14	14	13	98%	83	83	93	86	59	88	59	91	59	90	59	88	528	97%
19	811220104032	Priya P	14	13	13	13	95%	84	84	95	87	13	14	14	12	95%	86	86	96	89	14	14	14	14	100%	84	84	90	86	21	20	20	21	93%	80	80	93	84	14	14	14	14	100%	83	83	92	86	58	89	58	89	59	92	58	89	519	95%
20	811220104033	Priyadharshini G	13	13	13	14	95%	85	85	98	89	14	13	13	14	96%	85	85	95	88	13	13	13	13	93%	85	85	95	88	21	22	22	23	100%	81	81	94	85	13	13	13	13	93%	83	83	95	87	59	89	59	90	59	93	59	89	522	96%
21	811220104039	Sathya Priya N	14	14	14	14	100%	89	89	98	92	14	12	12	14	93%	87	87	98	90	14	12	12	13	91%	89	89	98	92	21	21	22	23	99%	84	84	95	88	14	12	12	14	93%	87	87	94	89	60	92	60	96	60	94	60	92	525	97%
22	811220104041	Sivaranjini M	14	14	14	14	100%	88	88	98	91	14	14	14	14	100%	85	85	98	89	14	14	14	14	100%	88	88	98	91	20	21	21	22	95%	82	82	96	87	14	14	14	14	100%	85	85	95	88	60	96	60	94	60	95	60	96	534	98%
23	811220104043	Sneka R	14	14	14	14	100%	95	95	92	94	14	14	14	14	100%	94	94	95	94	14	14	14	14	100%	95	95	95	95	21	21	21	21	95%	89	89	95	91	14	14	14	13	98%	94	94	93	93	59	96	60	95	60	96	59	96	531	98%
24	811220104046	Sumithira R	14	14	14	14	100%	98	98	98	98	14	14	14	14	100%	97	97	98	97	14	14	14	14	100%	98	98	98	98	21	22	20	22	97%	95	95	96	95	14	14	14	13	98%	97	97	95	96	60	98	60	98	60	97	60	98	534	98%
25	811220104048	Swarnambigai V	13	12	12	13	89%	78	78	85	80	13	13	12	12	89%	78	78	90	82	13	13	13	13	93%	78	78	95	84	21	20	20	21	93%	79	79	90	83	13	13	13	14	95%	79	79	97	85	58	90	58	90	59	90	58	90	507	93%
26	811220104050	Thirumavalavan	12	11	10	10	77%	83	83	70	79	12	11	10	10	[illegible]	84	84	70	[illegible]	12	11	11	10	[illegible]	83	83	72	[illegible]	21	18	18	15	82%	77	77	75	[illegible]	12	11	10	10	[illegible]	79	79	78	[illegible]	50	75	50	75	50	75	50	75	435	[illegible]
27	811220104051	Vinith Roshan A	14	14	14	13	98%	78	78	85	80	14	11	11	13	88%	78	78	90	82	14	11	11	13	88%	78	78	95	84	21	22	21	22	98%	76	76	96	83	14	11	11	14	89%	78	78	95	84	58	85	58	86	59	91	58	85	509	94%
28	811220104052	Yuvaraj M	14	11	11	14	89%	79	79	85	81	14	11	11	13	88%	78	78	85	80	14	14	14	12	96%	78	78	90	82	21	20	22	22	97%	78	78	90	82	14	11	11	14	89%	78	78	94	83	58	88	58	88	59	90	58	88	509	94%
29	811220104053	Yuvasri S	14	14	14	14	100%	92	92	92	92	14	14	14	14	100%	92	92	91	91	14	14	14	14	100%	94	94	95	94	21	21	21	23	98%	90	90	92	90	14	14	13	13	96%	92	92	95	93	59	94	59	92	60	95	59	94	531	98%
30	811220104301	SanthoshKumar	14	14	14	14	100%	92	92	90	91	14	12	12	14	93%	91	91	90	90	14	12	12	14	93%	92	92	92	92	21	21	22	22	98%	89	89	95	91	14	12	12	14	93%	91	91	98	93	60	92	60	94	60	96	60	92	524	96%
		Staff Name	Ms. D. Indra Devi									Dr. M. Senthil Kumar									Ms. G. Revathi									Ms. T. Sugashini									Ms. A. Suganya									A.Suganya		G.Revathi		T.Anita Dorothy		Ms.Eva			
		Staff Signature																																																							

Class co-ordinator

HoD/CSE

Principal

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Indra Ganesan College of Engineering

Department of COMPUTER SCIENCE AND ENGINEERING

IV / VII (ODD) (BATCH: 2020 - 2024)

Web Portal (I) **Start Date - 27.07.2023** **End Date -14.08.2023**

SL NO	REGISTER NO	NAME OF THE STUDENT	MG8591 POM	CS8791 CC	CS8792 CNS	CS8079 HCI	OME753 SME	65	Attendance %
			13	13	13	13	13	Total HA	
1	811220104002	Akshaya T	13	13	13	13	13	65	100
2	811220104004	Appas Ali.D	13	13	13	13	13	65	100
3	811220104005	Aravindh V K	12	13	13	13	13	64	98
4	811220104007	Ayisha Siddeequa A	13	13	13	13	13	65	100
5	811220104008	Benasir S	13	13	13	13	13	65	100
6	811220104012	Cibina S	13	13	13	13	13	65	100
7	811220104013	Devi K	13	13	13	13	13	65	100
8	811220104014	Dhivyadharshini A	11	12	11	12	11	57	88
9	811220104015	Divyakeerthan P	13	13	13	13	13	65	100
10	811220104016	Gayathri P	13	13	13	13	13	65	100
11	811220104017	Gnanaprakasam A	11	13	13	13	13	63	97
12	811220104018	Gowrisankar G	13	13	13	13	13	65	100
13	811220104019	Hariharan K	10	10	10	10	10	50	77
14	811220104024	Kamali A	13	13	13	13	13	65	100
15	811220104025	Kamatchi S	13	13	13	13	13	65	100
16	811220104027	Kiruthika M	13	13	13	13	13	65	100
17	811220104029	Mathavan N	12	13	13	13	13	64	98
18	811220104031	Monisha R	12	13	13	13	13	64	98
19	811220104032	Priya P	12	13	13	13	13	64	98
20	811220104033	Priyadharshini G	13	13	13	13	13	65	100
21	811220104039	Sathya Priya N	12	13	12	13	12	62	95
22	811220104041	Sivaranjini M	13	13	13	13	13	65	100
23	811220104043	Sneka R	13	13	13	13	13	65	100
24	811220104046	Sumithira R	13	13	13	13	13	65	100
25	811220104048	Swarnambigai V	12	12	12	12	12	60	92
26	811220104050	Thirumavalavan	10	10	10	10	10	50	77
27	811220104051	Vinith Roshan A	12	12	12	12	12	60	92
28	811220104052	Yuvaraj M	13	13	13	13	13	65	100
29	811220104053	Yuvasri S	13	13	13	13	13	65	100
30	811220104301	SanthoshKumar	13	13	13	13	13	65	100
		Staff Name	Mr. J. Velu	Mrs.A Suganya	Mrs. Vidhya	Mr. Vivek	Ms. Suganya		
		Staff Signature							

Class co-ordinator **HoD/CSE** **Principal**

Dr. G. Balakrishnan, M.E., Ph...
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

External Examination-End Semester Examination Result Declared by Anna University

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of April / May Examination,2023.

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING Semester No. : 06 DATE OF PUBLICATION :DD-MM-YYYY

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	EC8004	EC8095	EC8611	EC8651	EC8652	EC8661	EC8681	EC8691	HS8581	MG8591	SB8033	SB8040
Reg. Number	Stud. Name	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade
811219106003	DINESH J	U	U		U	U			U				
811219106004	MOHANA SUNDARAM K	U	U										
811219106006	SANTHANARAJ A		U						B				
811219106008	SRIKANTH M								B				
811219106010	SURYA V		U		UA				U				
811220106006	BANU PRIYA G		U	O	U	U	A	A	B	A	B+		A+
811220106008	BHARATHIDHASAN C		U	A+	U	U	A	A	U	A	B	A+	
811220106018	JANCY J		B+	A+	B	B+	A+	A+	B+	A	A		O
811220106019	JEEVASEN N		B	O	U	B	A	A	U	B+	B+		A+
811220106021	KAMARAJ S		U	A+	U	B	A+	A	B	A	B		A+
811220106022	KARTHICK C		B	A+	U	B	A	A+	B	B+	B+		O
811220106023	KARTHIKA S		U	A+	U	U	A	A	U	A	U		A+
811220106025	KISHORE R		B	A+	B	B+	O	A+	B	A	A		O
811220106026	KISHORE KUMAR M		B	O	U	A	A+	A+	B+	B+	A	O	
811220106028	MANCY E		B	O	B	B+	O	A+	A	A	A		O
811220106031	PRADHAP J		U	A+	U	B	O	A	U	A	B		O
811220106032	PRASANNAA J		U	O	B	B+	A+	A+	B	A	U		O
811220106033	PREETHIKA M		U	A+	U	B	A+	A+	B+	A	B	O	
811220106034	PREMALATHA M		U	A+	U	B	A+	A	B	A	U		A+
811220106037	SHRI HARINI PRIYA B		B	A+	U	B	A	A+	B	A	B+	A+	
811220106038	SNEGA M		B	O	U	B+	A+	A	B	A	B		O
811220106039	SOBI AMIRTHA N		U	A+	B	B	O	A+	B	A	B		O
811220106041	SUNIL KUMAR B		U	O	U	U	A	A	U	B+	B		A+
811220106042	SUSILA N		B	A+	U	U	A	A	B	B+	B+		A+
811220106049	YOGA PRIYA R		U	A+	U	B	O	A+	U	A	B		O
811220106301	ANAND R		U	A+	U	U	B+	A	U	B+	U		A+
811220106302	KIRUTHIKA R		UA	A+	UA	UA	UA	UA	UA	UA	UA	A+	
811220106304	RAJESH R		U	A	U	U	B+	B+	U	B+	U		A+

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification approval etc

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of April / May Examination,2023.

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING **Semester No. : 04** **DATE OF PUBLICATION :DD-MM-YYYY**

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	EC8451	EC8452	EC8453	EC8491	GE8291	MA8451
Reg. Number	Stud. Name	Grade	Grade	Grade	Grade	Grade	Grade
811220106006	BANU PRIYA G		B+			U	U
811220106008	BHARATHIDHASAN C	U			U		U
811220106019	JEEVASEN N	B					U
811220106021	KAMARAJ S	U					B
811220106022	KARTHICK C				U	U	U
811220106023	KARTHIKA S				B	U	U
811220106025	KISHORE R					U	
811220106026	KISHORE KUMAR M						B
811220106031	PRADHAP J	U	U	U	U	U	U
811220106033	PREETHIKA M					B	U
811220106034	PREMALATHA M					U	
811220106037	SHRI HARINI PRIYA B				U		U
811220106038	SNEGA M					B	
811220106041	SUNIL KUMAR B	U	U		U	B	U
811220106042	SUSILA N					UA	U
811220106301	ANAND R		U	U	U	U	U
811220106302	KIRUTHIKA R	UA	UA		UA	UA	UA
811220106304	RAJESH R	UA	B	U	U	B	U

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarificati

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of April / May Examination,2023.

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING Semester No. : 05 DATE OF PUBLICATION :DD-MM-YYYY

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	EC8501	EC8551	EC8552	EC8553	EC8561	EC8562	EC8563	GE8077	OMD551
Reg. Number	Stud. Name	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade
811220106006	BANU PRIYA G		U	B	U					B
811220106008	BHARATHIDHASAN C	U	U	U	U				B	B
811220106018	JANCY J	B+	B+	A						B
811220106019	JEEVASEN N									B
811220106021	KAMARAJ S	B	B	B					B	B
811220106022	KARTHICK C			B	U					B
811220106023	KARTHIKA S	U	U	B					U	U
811220106025	KISHORE R			B						U
811220106026	KISHORE KUMAR M	U								U
811220106031	PRADHAP J	U		B	U					B+
811220106032	PRASANNAA J			B						
811220106033	PREETHIKA M	U	B	B	UA					
811220106034	PREMALATHA M	U		B	U					
811220106037	SHRI HARINI PRIYA B			U						
811220106039	SOBI AMIRTHA N			B	B					
811220106041	SUNIL KUMAR B	U	B	U	U					
811220106042	SUSILA N			B					B	U
811220106301	ANAND R	U	U	U	U	A+	A	B+	U	UA
811220106302	KIRUTHIKA R	UA	UA	UA	UA	UA	UA	UA	UA	UA
811220106304	RAJESH R	U	U	U	U	A+	UA	B+	U	UA

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarificat

28.08.2023

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of April / May Examination,2023.

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING **Semester No. : 06** **DATE OF PUBLICATION :DD-MM-YYYY**

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	EC8004	EC8095	EC8611	EC8651	EC8652	EC8661	EC8681	EC8691	HS8581	MG8591	SB8033	SB8040
Reg. Number	Stud. Name	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade	Grade
811219106003	DINESH J	U	U		U	U			U				
811219106004	MOHANA SUNDARAM K	U	U										
811219106006	SANTHANARAJ A		U						B				
811219106008	SRIKANTH M								B				
811219106010	SURYA V		U		UA				U				
811220106006	BANU PRIYA G		U	O	U	U	A	A	B	A	B+		A+
811220106008	BHARATHIDHASAN C		U	A+	U	U	A	A	U	A	B	A+	
811220106018	JANCY J		B+	A+	B	B+	A+	A+	B+	A	A		O
811220106019	JEEVASEN N		B	O	U	B	A	A	U	B+	B+		A+
811220106021	KAMARAJ S		U	A+	U	B	A+	A	B	A	B		A+
811220106022	KARTHICK C		B	A+	U	B	A	A+	B	B+	B+		O
811220106023	KARTHIKA S		U	A+	U	U	A	A	U	A	U		A+
811220106025	KISHORE R		B	A+	B	B+	O	A+	B	A	A		O
811220106026	KISHORE KUMAR M		B	O	U	A	A+	A+	B+	B+	A	O	
811220106028	MANCY E		B	O	B	B+	O	A+	A	A	A		O
811220106031	PRADHAP J		U	A+	U	B	O	A	U	A	B		O
811220106032	PRASANNAA J		U	O	B	B+	A+	A+	B	A	U		O
811220106033	PREETHIKA M		U	A+	U	B	A+	A+	B+	A	B	O	
811220106034	PREMALATHA M		U	A+	U	B	A+	A	B	A	U		A+
811220106037	SHRI HARINI PRIYA B		B	A+	U	B	A	A+	B	A	B+	A+	
811220106038	SNEGA M		B	O	U	B+	A+	A	B	A	B		O
811220106039	SOBI AMIRTHA N		U	A+	B	B	O	A+	B	A	B		O
811220106041	SUNIL KUMAR B		U	O	U	U	A	A	U	B+	B		A+
811220106042	SUSILA N		B	A+	U	U	A	A	B	B+	B+		A+
811220106049	YOGA PRIYA R		U	A+	U	B	O	A+	U	A	B		O
811220106301	ANAND R		U	A+	U	U	B+	A	U	B+	U		A+
811220106302	KIRUTHIKA R		UA	A+	UA	UA	UA	UA	UA	UA	UA	A+	
811220106304	RAJESH R		U	A	U	U	B+	B+	U	B+	U		

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING **Semester No. : 07** **DATE OF PUBLICATION :DD-MM-YYYY**

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	EC8701	EC8702	EC8751	EC8791	OML751
Reg. Number	Stud. Name	Grade	Grade	Grade	Grade	Grade
811219106003	DINESH J	U	U			B
811219106004	MOHANA SUNDARAM K	B+	U	B		
811219106005	RAVIKUMAR B					U
811219106006	SANTHANARAJ A		U			
811219106008	SRIKANTH M	B+				
811219106010	SURYA V		U	U	U	
811219106301	YUVASHREE S	A				
811219106701	VIJAYALAKSHMI V	B+				
811219106702	PONNARASU S	B		B+		

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
18 Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal **I - Inadequate Attendance**

WH1 - Withheld for Suspected Malpractice **WH(others) - Withheld for want of Clarification,approval,etc.**

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of April / May Examination,2023.

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING Semester No. : 08 DATE OF PUBLICATION :DD-MM-YYYY

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	EC8072	EC8094	EC8811	GE8076
Reg. Number	Stud. Name	Grade	Grade	Grade	Grade
811218106006	DEVI K	U			
811219106001	DAYANA P		B+	A+	B+
811219106002	DEVIKA K		B	A+	B+
811219106003	DINESH J		U	O	B
811219106004	MOHANA SUNDARAM K		U	O	B+
811219106005	RAVIKUMAR B		U	A+	A
811219106006	SANTHANARAJ A		U	O	B
811219106008	SRIKANTH M		B	A+	B+
811219106009	SURENDRAN S		B+	O	B+
811219106010	SURYA V		U	O	U
811219106011	SWETHA K		B	O	B
811219106301	YUVASHREE S		B+	O	B
811219106701	VIJAYALAKSHMI V		B	O	B+
811219106702	PONNARASU S		B	O	B+

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

28-08-2023

Anna University - COE

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Anna University Circular for Photocopy

OFFICE OF THE CONTROLLER OF EXAMINATIONS, ANNA UNIVERSITY :: CHENNAI - 25

PROCEDURE FOR OBTAINING PHOTOCOPY OF ANSWER SCRIPTS

APRIL / MAY 2023 EXAMINATIONS (R 2021) (FIRST YEAR UG/PG) AND PG FINAL YEAR

1. Colleges can download the softcopy of the results of April/ May 2023 Examinations in .pdf format from the official web portal of this office **https://coe1.annauniv.edu** Based on that the students who are not satisfied with the results may apply for the photocopy of their answer scripts to apply for revaluation.

2. **Candidates who wish to apply for revaluation should first apply for photocopy of his/her answer script by paying Rs.300 /- per script on or before 04-11-2023. The Principals are requested to register for the same in the web portal on or before 04-11-2023. The web portal will be closed on 04-11-2023 at 5.00PM.**

3. After receiving the photocopy, the student can verify the answer script for any discrepancy like total mistake and omissions in the valuation and the same may be brought to the notice of the Controller of Examinations for remedial action.

4. Discrepancies such as missing of pages, answer scripts not belonging to the student etc., may be reported through the web-portal. After the problem is solved i.e. receipt of the copy of the correct answer script, the college must update in the web-portal as **"PROBLEM SOLVED".** Only after solving the issue, the revaluation of the answer scripts will be permitted.

5. **The students of closed colleges may apply for photocopy manually through the Zonal Offices concerned. However, the students of closed colleges within the Zones 1 to 4 may apply for photocopy through the office of the Controller of Examinations, Anna University, Chennai.**

6. The valuation in the photocopy of the answer script can be verified by the subject expert and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation.

7. The **application for revaluation of answer scripts** for the persons obtained photocopy will be intimated after the supply of photocopy.

8. Candidates who have applied for Photocopy and Revaluation alone are **eligible for the Review for their answer script** (by remitting the prescribed fee) after the Publication of the Revaluation Results. The details of the **Review Procedure** will be announced along with the revaluation results.

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

31.10.2023

CONTROLLER OF EXAMINATIONS i/c

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Anna University Circular for Revaluation

OFFICE OF THE CONTROLLER OF EXAMINATIONS
ANNA UNIVERSITY :: CHENNAI - 25

REVALUATION PROCEDURE

NOV. / DEC. 2022 EXAMINATIONS (EXCEPT FIRST YEAR)

1. The candidates who have obtained the photocopy of the answer scripts and have no issues with the photocopy alone are eligible for applying for revaluation.
2. Candidates who had issues on photocopy and solved now are requested to update the status as **"SOLVED"** in the solver page provided in the examination menu of the web portal.
3. The answer script is to be valued and justified by a faculty member of the college, **who handled the subject**, and he/she should recommend for revaluation with the breakup of marks for each question in the format provided in the **"Instructions the Candidates"** enclosed along with the photocopy of the Answer Script.
4. The candidates can register for revaluation of answer scripts only in the COE web portal through the college. **While applying for revaluation for the students on roll , it is required to provide the Staff Code of the faculty member provided by office of COE recommending revaluation. If the code of the staff member recommending revaluation is not available, the profile of the staff member may be uploaded first in the web portal of the office of COE and registration may be done for revaluation**. The Principals of the Colleges may arrange for the registration of the courses through the COE Web portal.
5. The manual applications will not be accepted by the Office of the Controller of Examinations.
6. After registration the applications have to be generated for each student and the same may be sent to the office of the Controller of Examinations along with the abstract generated for the college and the amount of money in the form of demand draft drawn in favour of **the Controller of Examinations, Anna University, Chennai - 25.**
7. The fee for revaluation is Rs.400/- per script. A student can register for a maximum of 5 answer scripts for revaluation.
8. **The web portal will be opened for applying for revaluation from 20-04-2023 and will be closed strictly on 25-04-2023 at 1.00PM.**

20.04.2023

CONTROLLER OF EXAMINATIONS

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Anna University Circular for Review

OFFICE OF THE CONTROLLER OF EXAMINATIONS ANNA UNIVERSITY:: CHENNAI - 25

APRIL/MAY 2023 EXAMINATIONS (LOWER SEMESTER AND R2021)

PROCEDURE FOR APPLYING FOR REVIEW

1. The candidates can register for review of answer scripts (revaluation applied candidates) only in the COE web portal through the college. The Principals of the Colleges may arrange for the registration of the courses through the COE Web portal. The manual applications will not be accepted by the Office of the Controller of Examinations. After registration, the applications have to be generated for each student and the same may be sent to the office of the Controller of Examinations along with the abstract generated for the college and the amount of money for the review of answer scripts in the form of demand draft.

2. The generated application for review should be forwarded by the Principal.

3. The fee for review is Rs.3,000/- and it should be paid through NEFT to O/o COE.

4. If a candidate gets higher grade in review, the higher grade will be declared as the final grade. Only such candidates are eligible for refund of sum of Rs.3,000/-.

5. The refund will be made through NEFT to the candidate's bank account directly.

6. The Last date of Registration for Review of Answer Scripts is on 09-11-2023 at 1 PM.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

06.11.2023

CONTROLLER OF EXAMINATIONS i/c

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Format for Recommendation of Revaluation by Subject

/

Instructions to candidates who are receiving Photocopy of Answer Script(s)

1. Check whether the photocopy of the answer script supplied is yours including the subject for which you have applied for.
2. Please note that the valuation is done for 100 marks in the answer script and the result is announced after converting to the maximum weightage prescribed for the end-semester mark in respective regulations.
3. Check whether the totaling of marks is correct.
4. Check whether marks have been entered against the question no. (including sub- division) in the front page, for all answers written.
5. If you find any mistake/omission/error on any of the item in Sl. No.1 to 4 you are directed to report to your Principal/HOD and to make suitable entry in the menu "Examinations – Revaluation - Photocopy Problem" in https:\\coe1.annauniv.edu within 3 days of receipt of the photocopy of the answer script.
6. Answer scripts are valued by competent examiners who are teachers from other Engineering Colleges.
7. The valuation in the photocopy of the answer script can be verified by the subject expert by valuing the answer script and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation in the format given below:

Part A		Part B					
Q.No.	Marks	Q.No.		i	ii	iii	Total
1	2	11	a	✓12			12
2	2		b				
3	2	12	a				
4	0		b	✓12			12
5	2	13	a	✓6			6
6	1		b				
7	0	14	a				
8	2		b	✓10			10
9	0	15	a	✓8			8
10	1		b				
		16	a				
			b				
Total	12			48			48

RECOMMENDED/NOT RECOMMENDED		GRAND TOTAL
Signature	P. Kalitha	60
Examiner / Code	P. LALITHA / 355	
College code /Name	8112 / IGCE	

The above recommendation by the subject expert may be retained by the Principal and the same be produced to the Controller of Examinations as and when it is required for further action.

8. The application for revaluation of answer scripts for the persons obtained photocopy will be intimated after the supply of photocopy.
9. The marks awarded after revaluation which takes into account all aspects of valuation (including omission if any) is final. No representation will be entertained.
10. Photocopy of Revalued Answer Scripts will not be supplied on any account.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam. Trichy-620 012.

811222205046
Sub:PH3256
Mark:35 Coll: 8112
Zone S No.: 4703

(To be filled in by the candidate)

Date 25.08.2023 Session F.N 4703

Subject Code / Title PH3256 physics for information Scie[nce]

Question Paper Code 30319 ... 34

Date 25.08.2023 Session FN 30319

Subject Code / Title PH3256 physics for information science

Instruction to the Candidate: Put a tick mark (✓) for the questions attended in the tick mark column against each question in PART A

PART - A			PART - B & C				
Question No.	✓	Marks	Question No.		i	Total
1	✓	0	11	a	✓9	9
2	✓	1		b		
3	✓	1	12	a	✓9	9
4	✓	0		b	✓3	3
5	✓	2				
6	✓	0	13	a		
7	✓	0		b	✓6	6
8	✓	0	15	a	4	4
9	✓	0		b		
10	✓	0	16	a	✓	
Total		04		b		31

Grand Total: 35 — THREE FIVE

Declaration by the Examiner: Verified that all the questions attended by the student are valued and the total is found to be correct.

Instructions to candidates who are receiving Photocopy of Answer Script(s)

1. Check whether the photocopy of the answer script supplied is yours including the subject for which you have applied for.
2. Please note that the valuation is done for 100 marks in the answer script and the result is announced after converting to the maximum weightage prescribed for the end-semester mark in respective regulations.
3. Check whether the totaling of marks is correct.
4. Check whether marks have been entered against the question no. (including sub- division) in the front page, for all answers written.
5. If you find any mistake/omission/error on any of the item in Sl. No.1 to 4 you are directed to report to your Principal/HOD and to make suitable entry in the menu "Examinations – Revaluation - Photocopy Problem" in https:\\coe1.annauniv.edu within 3 days of receipt of the photocopy of the answer script.
6. Answer scripts are valued by competent examiners who are teachers from other Engineering Colleges.
7. The valuation in the photocopy of the answer script can be verified by the subject expert by valuing the answer script and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation in the format given below:

Part A		Part B					
Q.No.	Marks	Q.No.		i	ii	iii	Total
1	2	11	a				
2	—		b				
3	1	12	a	15			15
4	—		b				
5	1	13	a				
6	1		b	8	4		12
7	2	14	a				
8	—		b		2		2
9	1	15	a	12			12
10	2		b				
		16	a				
			b				
Total	10						41
RECOMMENDED/NOT RECOMMENDED						GRAND TOTAL	
Signature							
Examiner / Code		8112534					
College code /Name		8112					

The above recommendation by the subject expert may be retained by the Principal and the same be produced to the Controller of Examinations as and when it is required for further action.

8. The application for revaluation of answer scripts for the persons obtained attendance will be intimated after the supply of photocopy.
9. The marks awarded after revaluation which takes into account all aspects of valuation (including omission if any) is final. No representation will be entertained.
10. Photocopy of Revalued Answer Scripts will not be supplied on any account.

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

811222205034

Sub:MA3251

Mark:30 Coll: 8112

Zone S No.: 4489

4489

Date (To be filled by the candidate): 21/08/2023 FN

Subject Code / Title: MA3251 Statistics and Numerical methods

Question Paper Code: 30236 No. of Pages: 31

Date 21/8/2023 Session: FN Question Paper Code: 30236

Subject Code / Title: MA3251 Statistics and Numerical methods

Instruction to the Candidate: Put a tick mark (✓) for the questions attended

PART - A			PART - B & C					
Question No.	✓	Marks	Question No.		i ✓	i Marks	ii ✓	ii Marks	iii ✓	iii Marks	Total
1	✓	2	11	a							
2		—		b							
3	✓	1	12	a	✓	10	✓				10
4	✓	0		b							
5		—	13	a							
6	✓	0		b	✓	8	✓	0			8
7	✓	0	14	a							
8	✓	1		b	✓	7	✓	0			7
9		—	15	a							
10	✓	0		b							
	✓	2	16	a							
				b							
Total		5									25

Three zero

30

Declaration by the Examiner: Verified that all the questions attended by the student are valued and the total is found to be correct.

Instructions to candidates who are receiving Photocopy of Answer Script(s)

1. Check whether the photocopy of the answer script supplied is yours including the subject for which you have applied for.
2. Please note that the valuation is done for 100 marks in the answer script and the result is announced after converting to the maximum weightage prescribed for the end-semester mark in respective regulations.
3. Check whether the totaling of marks is correct.
4. Check whether marks have been entered against the question no. (including sub- division) in the front page, for all answers written.
5. If you find any mistake/omission/error on any of the item in Sl. No.1 to 4 you are directed to report to your Principal/HOD and to make suitable entry in the menu "Examinations – Revaluation - Photocopy Problem" in https:\\coe1.annauniv.edu within 3 days of receipt of the photocopy of the answer script.
6. Answer scripts are valued by competent examiners who are teachers from other Engineering Colleges.
7. The valuation in the photocopy of the answer script can be verified by the subject expert by valuing the answer script and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation in the format given below:

Part A		Part B					
Q.No.	Marks	Q.No.		i	ii	iii	Total
1		11	a				
2	1		b				
3	1	12	a				
4	1		b		6		6
5	1	13	a				
6	1		b				
7		14	a				
8	1		b				
9		15	a	14			14
10			b				
		16	a				
			b				
Total	6						90

RECOMMENDED/~~NOT RECOMMENDED~~	GRAND TOTAL
Signature	A.Vivek Signature
Examiner / Code	8112358
College code /Name	8112 / TGCE
48	

The above recommendation by the subject expert may be retained by the Principal and the same be produced to the Controller of Examinations as and when it is required for further action.

8. The application for revaluation of answer scripts for the persons obtained photocopy will be intimated after the supply of photocopy.
9. The marks awarded after revaluation which takes into account all aspects of valuation (including omission if any) is final. No representation will be entertained.
10. Photocopy of Revalued Answer Scripts will not be supplied on any account.

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

811222205014
Sub:CS3251
Mark:33 Coll: 8112
Zone S No.: 3942

(To be filled in by the candidate)

Date: 23.08.2023 Session: FN 3942

Subject Code / Title: CS 3251 programming in c

Answer Paper Code: 30115 No. of pages used: 29

Date: 23.08.2023 Session: FN Answer Paper Code: 30115

Subject Code / Title: CS3251 programming in c.

Instruction to the Candidate: Put a tick mark (✓) for the questions attended in the tick mark column against the question no.

PART - A			PART - B & C								
Question No.	✓	Marks	Question No		i	ii	iii	iv	v	Total Marks	Grand Total (in words)
1	✓	0	11	a	✓	0				0	
2	✓	0		b							
3	✓	0	12	a							
4	✓	0		b	✓	2	✓	3		5	three
5	✓	0	13	a							
6	✓	0		b	✓	15				15	three
7	✓	0	14	a	✓	2	✓	2		4	
8	✓	0		b							
9	✓	1	15	a	✓	8				8	
10	✓	0		b							
			16	a							
				b							
Total		01								32	33

Declaration by the Examiner: Verified that all the questions attended by the student are valued and the total is found to be correct

Instructions to candidates who are receiving Photocopy of Answer Script(s)

1. Check whether the photocopy of the answer script supplied is yours including the subject for which you have applied for.
2. Please note that the valuation is done for 100 marks in the answer script and the result is announced after converting to the maximum weightage prescribed for the end-semester mark in respective regulations.
3. Check whether the totaling of marks is correct.
4. Check whether marks have been entered against the question no. (including sub- division) in the front page, for all answers written.
5. If you find any mistake/omission/error on any of the item in Sl. No.1 to 4 you are directed to report to your Principal/HOD and to make suitable entry in the menu "Examinations – Revaluation - Photocopy Problem" in https:\\coe1.annauniv.edu within 3 days of receipt of the photocopy of the answer script.
6. Answer scripts are valued by competent examiners who are teachers from other Engineering Colleges.
7. The valuation in the photocopy of the answer script can be verified by the subject expert by valuing the answer script and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation in the format given below:

Part A		Part B					
Q.No.	Marks	Q.No.		i	ii	iii	Total
1		1	a	5			5
2			b				
3		2	a	17			17
4			b				
5		3	a				
6			b	2			2
7		4	a				
8			b	15			15
9		5	a				
10			b	5			5
			a				
			b				
Total							

RECOMMENDED/NOT RECOMMENDED

Signature		GRAND TOTAL
Examiner / Code	P.C.Thangamuthu Engineering/8112369	45
College code /Name	8112 / Indra Ganesan college	

The above recommendation by the subject expert may be retained by the Principal and the same be produced to the Controller of Examinations as and when it is required for further action.

8. The application for revaluation of answer scripts for the persons obtained photocopy will be intimated after the supply of photocopy.
9. The marks awarded after revaluation which takes into account all aspects of valuation (including omission if any) is final. No representation will be entertained.
10. Photocopy of Revalued Answer Scripts will not be supplied on any account.

811222106026

Sub:GE3251

Mark:29 Coll: 8112

Zone S No.: 4840

(To be filled in by the candidate)

Date : 4-9-23 Session: AN 4840

Subject Code / Title : GE3251 Engineering graphics

Question Paper Code : 30375 No. of Pages used: 11

For Office Use Only

(To be filled in by the candidate)

Date : 4-9-23 Session: AN

Subject Code / Title : GE3251 Engineering graphics

Question Paper Code : 30375

For Office Use Only

Instruction to the Candidate : *Put a tick mark (✓) for the questions attended in the tick mark column against each ques*

V-1

Question No.		✓	Marks (i)	✓	Marks (ii)	Total Marks
1	a	✓	2			2 ✓
	b					
2	a	✓	17			17 ✓
	b					
3	a					
	b	✓	0			0
4	a					
	b	✓	10			10 ✓
5	a	✓	0			0 ✓
	b					
					Grand Total	29 ✓

Additional In

1. Do not write Number in the
2. After comple examination, vertical fold (to bring the b (approx).
3. Title block is for the pur examination.
4. Put a tick ma questions atte mark column question in V-1

Declaration by the Examiner: *Verified that all the questions attended by the student are valued and the tick is/are*

Dr.G.Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Trichy-620 012.

Instructions to candidates who are receiving Photocopy of Answer Script(s)

1. Check whether the photocopy of the answer script supplied is yours including the subject for which you have applied for.
2. Please note that the valuation is done for 100 marks in the answer script and the result is announced after converting to the maximum weightage prescribed for the end-semester mark in respective regulations.
3. Check whether the totaling of marks is correct.
4. Check whether marks have been entered against the question no. (including sub- division) in the front page, for all answers written.
5. If you find any mistake/omission/error on any of the item in Sl..No.1 to 4 you are directed to report to your Principal/HOD and to make suitable entry in the menu "Examinations – Revaluation - Photocopy Problem" in https:\\coe1.annauniv.edu within 3 days of receipt of the photocopy of the answer script.
6. Answer scripts are valued by competent examiners who are teachers from other Engineering Colleges.
7. The valuation in the photocopy of the answer script can be verified by the subject expert by valuing the answer script and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation in the format given below:

Part A		Part B					
Q.No.	Marks	Q.No.		i	ii	iii	Total
1	–	11	a	8			
2	–		b				
3	–	12	a	0			
4	–		b				
5	–	13	a	12			
6	–		b				
7	–	14	a				
8	1		b	7			
9	–	15	a	7			
10	1		b				
		16	a	12			
			b				
Total	02			46			

RECOMMENDED/NOT RECOMMENDED		GRAND TOTAL
Signature	[signature]	48
Examiner / Code	M.Nandhini/8112373	
College code /Name	8112/IGCE	

The above recommendation by the subject expert may be retained by the Principal and the same be produced to the Controller of Examinations as and when it is required for further action.

8. The application for revaluation of answer scripts for the persons obtained photocopy will be intimated after the supply of photocopy.
9. The marks awarded after revaluation which takes into account all aspects of valuation (including omission if any) is final. No representation will be entertained.
10. Photocopy of Revalued Answer Scripts will not be supplied on any account.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

811222106002

Sub:EC3251

Mark:32 Coll: 8112

Zone S No.: 3972

(To be filled in by the candidate)

Date: 23/8/23 Session: F.N 3972

Subject Code / Title: EC3251 circuit Analysis

Question Paper Code: 30135 No. of Pages used: ....

(To be filled in by the candidate) Date: 23/8/23 Session: F.N Question Paper Code: 30135

Subject Code / Title: EC3251 circuit Analysis

Instruction to the candidate: ... for the questions attended in the tick mark column against each ...

PART - A			PART - B & C							
Question No.	✓	Marks	Question No.	i ✓	i Marks	ii ✓	ii Marks	iii ✓	iii Marks	Total Marks
1		–	11	✓	4					4
2		–								
3		–	12	✓	0					0
4		–								
5		–	13	✓	8					8
6	✓	0								
7		–	14	✓	4					4
8	✓	0		✓	4					4
9		–								
10	✓	0		✓	12		–			12
Total		00								32

THREE TWO

32

... all the questions attended by the student are valued and the totals is ...

Instructions to candidates who are receiving Photocopy of Answer Script(s)

1. Check whether the photocopy of the answer script supplied is yours including the subject for which you have applied for.
2. Please note that the valuation is done for 100 marks in the answer script and the result is announced after converting to the maximum weightage prescribed for the end-semester mark in respective regulations.
3. Check whether the totaling of marks is correct.
4. Check whether marks have been entered against the question no. (including sub- division) in the front page, for all answers written.
5. If you find any mistake/omission/error on any of the item in Sl. No.1 to 4 you are directed to report to your Principal/HOD and to make suitable entry in the menu "Examinations – Revaluation - Photocopy Problem" in https:\\coe1.annauniv.edu within 3 days of receipt of the photocopy of the answer script.
6. Answer scripts are valued by competent examiners who are teachers from other Engineering Colleges.
7. The valuation in the photocopy of the answer script can be verified by the subject expert by valuing the answer script and if the expert is convinced that the script deserves higher marks than awarded, he/she can recommend for applying revaluation in the format given below:

Part A		Part B					
Q.No.	Marks	Q.No.		i	ii	iii	Total
1		11	a				
2			b	17			17
3		12	a				
4			b	02			02
5		13	a	16			16
6			b				
7		14	a				
8			b	16			16
9		15	a				
10			b				
		16	a				
			b	06			06
Total							

RECOMMENDED/NOT RECOMMENDED	GRAND TOTAL
Signature	95
Examiner / Code	
College code /Name	

The above recommendation by the subject expert may be retained by the Principal and the same be produced to the Controller of Examinations as and when it is required for further action.

8. The application for revaluation of answer scripts for the persons obtained photocopy will be intimated after the supply of photocopy.
9. The marks awarded after revaluation which takes into account all aspects of valuation (including omission if any) is final. No representation will be entertained.
10. Photocopy of Revalued Answer Scripts will not be supplied on any account.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

811222104045

Sub:GE3251

Mark:35 Coll: 8112

Zone S No.: 4191

(To be filled in by the candidate)

Date : 04-09-2023 Session: FN 4191

Subject Code / Title : GE-3251 Engineering Graphics

Question Paper Code : 30200 No. of Pages used: 11

For Office Use Only

(To be filled in by the candidate)

Date : 04-09-2023 Session: FN

Subject Code / Title : GE-3251 Engineering Graphics

Question Paper Code : 30200

For Office Use Only

tion to the Candidate : *Put a tick mark (✓) for the questions attended in the tick mark column against each ques*

Question No.		✓	Marks (I)	✓	Marks (II)	Total Marks
1	a		16			16 extra
	b	✓	17			17
2	a					
	b	✓	02			02
3	a	✓	06			06
	b					
4	a					
	b	✓	06			06
5	a					
	b	✓	04			04

Grand Total 35 THREE five

Declaration by the Examiner: *Verified that all the questions attended by the student are valued*

Additional In

1. Do not write Number in the
2. After compl examination, vertical fold to bring the (approx).
3. Title block i for the pur examination.
4. Put a tick m questions atte mark column question in V-

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Anna University Revaluation Results

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of Nov. / Dec. Examination,2022(Reval./Photo.).

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING **Semester No. : 05** **DATE OF PUBLICATION :DD-MM-YYYY**

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	EC8551	EC8552	OMD551
Reg. Number	Stud. Name	Grade	Grade	Grade
811220106021	KAMARAJ S	NC		NC
811220106022	KARTHICK C			NC
811220106026	KISHORE KUMAR M			NC
811220106032	PRASANNAA J		NC	

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal **I - Inadequate Attendance**

WH1 - Withheld for Suspected Malpractice **WH(others) - Withheld for want of Clarification,approval,etc.**

07-11-2023

Anna University - COE

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of Nov. / Dec. Examination,2022(Reval./Photo.).

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING **Semester No. : 01** **DATE OF PUBLICATION :DD-MM-YYYY**

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code - >	PH3151
Reg. Number	Stud. Name	Grade
811222106004	ALWIN SESBRIT Y	NC
811222106027	NISHA M	B+

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

07-11-2023

Anna University - COE

ANNA UNIVERSITY :: CHENNAI - 600025.
OFFICE OF THE CONTROLLER OF EXAMINATIONS
Provisional Results of Nov. / Dec. Examination,2022(Reval./Photo.).

Inst.Code/Name : 8112 - INDRA GANESAN COLLEGE OF ENGINEERING **Semester No. : 06** **DATE OF PUBLICATION :DD-MM-YYYY**

Branch : 106-B.E. Electronics and Communication Engineering

	Subject Code ->	EC8095	EC8691
Reg. Number	Stud. Name	Grade	Grade
811219106006	SANTHANARAJ A		NC
811219106701	VIJAYALAKSHMI V	B+	

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

W - Withdrawal I - Inadequate Attendance

WH1 - Withheld for Suspected Malpractice WH(others) - Withheld for want of Clarification,approval,etc.

07-11-2023

Anna University - COE

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

Fees Procedure for correction in certificates

ANNA UNIVERSITY
CHENNAI – 600 025
OFFICE OF THE CONTROLLER OF EXAMINATIONS

Off 22203010,22203006
Dir 22301632, 2350290
Fax 91-44-22301134

19.11.2022

NOTIFICATION

The office of the Controller of Examinations issues the Statement of Grades, Consolidated Statement of Grades and Degree Certificates by affixing the photograph of the students concerned from Regulations 2008 onwards. The photographs of the students are uploaded by the college while uploading the profile of the students admitted in their first year or the second year (Lateral Entry Admission).

The students would have grown up and their physical appearance also would have changed significantly by the end of the course of study. Hence, the colleges shall **upload the photos taken at the end of the programme in the web portal exclusively to print on the Degree Certificate.**

After the issue of the certificates, some of the students request for the change of photograph in their certificates after one or more years with different photograph and the Principals of the colleges also recommended for the same, which lead to a lot of suspicions, and the office of the Controller of Examinations finds it difficult to replace the photographs as requested by the students as the photograph in the certificate has no matching with the new photograph to be affixed.

To overcome this issue, as per the approval of competent authority a procedure is formulated for change of photograph in certificates for the students who had been awarded degree is given below:

a) At the time of admission, the colleges must upload the correct photograph of the students on the web portal.
b) In case, if the photograph of the student is not correct in the hall ticket, the Student / Principal of the college must initiate for the change of the correct photograph of the student with supporting documents.
c) As University is affixing the current photograph of the student uploaded by the college in the final semester of the student, in the degree certificate, if there is a mismatch of the photograph in the degree certificate and the grade sheets and the photograph in the consolidated statement of grades, the

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

photograph shall be changed to the photograph already printed either in the grade sheets or in the degree certificates with supporting documents.

d) For the change of photograph after the award of degree in all grade sheets, consolidated statements of grades and degree certificate, the students must produce the following documents.

   i) Any document submitted by the student with the photograph to the college at the time of admission such as data sheet, application etc., duly attested by the Principal.

   ii) The new photograph submitted by the student to affix in the certificates shall be the one that had been taken during the programme of study in the colleges.

   iii) Reasons for not noticing the change of photograph in the documents (Grade sheets, Consolidated Statement of Grades and Degree Certificate) and not informing the same to the Principal/Head of the Department/ Office of the Controller of Examinations.

   iv) Sworn affidavit before an Oath Commissioner/ Judicial First Class Magistrate.

   v) Duly filled application form along with supporting documents and the requisite fees.

e) The fees for the change of photograph are as given below:

Sl.No.	Certificate	Fee in Rs.
1.	Statement of Grades/Marks (per Semester)	1000/-
2.	Consolidated Statement of Grades/Marks	2000/-
3	Degree Certificate	3000/-

The application may be downloaded from **https://onlineservices.annauniv.edu**

The fees to be paid by Demand Draft in favor of "The Controller of Examinations, Anna University, Chennai" payable at Chennai.

f) In case, if the colleges have not submitted the photograph of any of the students in the web portal at the time of admission or at the end of the programme for the award of degree, for affixing the photograph in the certificates, the procedure given in (d) and fee structure in (e) shall be followed.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

g) After submitting all the information, uploading of necessary documents, and payment of necessary fees, the candidate should submit the signed printout of the generated application form along with all the original documents which require change of photo and original affidavit to the office of the Controller of Examinations by Registered / Speed post.

This procedure may scrupulously be followed with immediate effect.

19-11-2022.

CONTROLLER OF EXAMINATIONS

19/11/2022

19-11-22.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

OFFICE OF THE CONTROLLER OF EXAMINATIONS

ANNA UNIVERSITY :: CHENNAI 600 025

Type of Certificate	Rate
Correction in Grade Sheet / Mark Sheet	₹300
Damage in Grade Sheet / Mark Sheet	₹300
Duplicate in Grade Sheet / Mark Sheet	₹300
Duplicate in Grade Sheet / Mark Sheet [Second Time]	₹1000
Correction in Consolidated Grade / Mark Sheet	₹300
Damage in Consolidated Grade / Mark Sheet	₹300
Duplicate Consolidated Grade / Mark Sheet	₹1000
Duplicate Consolidated Grade / Mark Sheet [Second Time]	₹2000
Correction in Degree Certificate	₹750
Damage in Degree Certificate	₹750
Duplicate Degree Certificate	₹3000
Duplicate Degree Certificate [Second Time]	₹10000
Correction in Provisional Certificate	₹300
Damage in Provisional Certificate	₹300
Migration Certificate	₹200
Transcript	₹850
Medium of Instruction Certificate	₹300
CGPA to Percentage Certificate	₹300
Certificate mentioning month and year of Degree to be awarded	₹300
WES/Other Form [ICAS/NCEES/IAQS/NESS/Foreign institute form] attestation for academic credentials	₹300
WES [Secondary Verification]	25 (USD)
Genuineness Verification [within India]	₹1500
Genuineness Verification [outside India]	25 (USD)

Link:

Transcripts , Duplicate & other Certificates:

https://onlineservices.annauniv.edu/

Genuineness Verification

https://onlinetranscript.annauniv.edu/verify

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Controller of Examinations

ANNEXURE

ANNA UNIVERSITY :: CHENNAI – 25

OFFICE OF THE CONTROLLER OF EXAMINATIONS

Phone: +91-044-22357244, 22357295, 22357296

APPLICATION FOR CHANGE OF PHOTOGRAPH IN CERTIFICATES

(Please fill complete form in capital letters)

Name of the Student.....

Register No..... Gender: **MALE / FEMALE**

Father's Name.....

College Code/Name.....

Programme and Branch Name.....

Month and Year of Passing .....

Passing Division (as mentioned in Degree) .....

Contact No. (Landline) ..... (Mobile No.)..... .....

E- Mail ID .....

Aadhaar Number..... Ration Card No.....

Voter ID No..... PAN No.....

Photograph to be Changed in	**Semester**									
Statement of Grades/Marks	I	II	III	IV	V	VI	VII	VIII	IX	X
Make a tick mark in which photo to be changed										

Give the details, if the photograph is to be changed in Consolidated Statement of Grades/Marks or/and Degree Certificate:

Month and Year of issue of Consolidated Statement of Grades/Marks with Serial No.....

Month and Year of award of Degree (as mentioned in Degree) .....

Degree Serial No.....

Date ..... **Signature of the Candidate**

Date ..... **Signature of the Principal with Name and Seal**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Sworn Affidavit:-

(Sample copy of Affidavit to be sworn before an Oath Commissioner/ Judicial First Class Magistrate)

AFFIDAVIT

Photograph of the candidate executing the affidavit

I, _____ Son / Daughter of _____ major in age (state here profession / occupation) resident of (Full Address in which you are residing) do hereby solemnly affirm and state on oath as under:

1. That I was a (State the Programme and Branch) student of (State the Name of the College), an affiliated college under Anna University, Chennai with Register No. _____. I appeared for all the examinations and successfully completed my degree in (Month and Year of award of Degree as mentioned in Degree Certificate).
2. I state that the photograph printed in my Statement of Marks / Grades , Consolidated Statement of Marks/Grades / Degree Certificate is/are not mine, and the wrong photograph printed in the said certificate(s) was/were noticed by me now and the reason for not reporting the same in time are mentioned below:
   (a) _____
   (b) _____
3. I now declare that the photograph I produced herewith for the process is mine and I am fully responsible for the change of photo in the Statement of Marks/ Grades, Consolidated Statement of Marks/Grades / Degree Certificate and also liable for any legal action to be initiated, if any wrong claim is made by me.
4. That I am swearing this affidavit in order to produce the same before the Controller of Examinations, Anna University for obtaining the Statement of Marks/ Grades, Consolidated Statement of Marks/Grades / Degree Certificate with my photograph.

VERIFICATION

I, (full name _____ S/o _____) on solemn affirmation and oath state that all the facts stated in paragraphs 1 to 4 are correct to the best of my knowledge and belief and nothing is false or concealed. The contents being true I swear this affidavit.

Solemnly affirmed at _____ on ____ day of _____ 20

Name of the Deponent

Before Me

Fees	Statement of Grades/Marks	Consolidated Statement of Grades/Marks	Degree Certificate
	Rs.1000/- (per semester)	Rs.2000/-	Rs.3000/-

Enclosures:-

1. Original Statement of Marks/ Grades, Consolidated Statement of Marks/Grades / Degree Certificate.
2. Forwarding letter from college concerned stating the reason for the delay in reporting for the change of photograph.
3. Photocopy of all Statement of Grade/Mark sheet(s), Consolidate Grade/Mark Sheet, Provisional degree certificate and Degree Certificate duly self-attested and attested by the Principal of the College.
4. Demand Draft/Challan should be in favour of **"The Controller of Examinations, Anna University, Chennai"** payable at **Chennai.**
5. One Passport Size color photograph, preferably with blue background.
6. Photocopy of mark sheets of class X and class XII.
7. Photocopy of personal ID (Aadhaar Card, PAN Card, Ration Card and Voter ID Card).
8. Sworn affidavit executed in Rs.100/- stamp paper.

Note:-

1. All documents should be properly legible, otherwise change of photograph cannot be made.
2. In case of any wrong information provided in the form, candidate will be fully responsible for the same and University may take appropriate action against him.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai-Trichy Road
Manikandam, Trichy-620 012.

Criteria 2	Teaching-Learning and Evaluation	350

Key Indicator- 2.5. Evaluation Process and Reforms (40)

2.5.1. Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient (40)

University Exam Related Grievances Redressal

Question Paper Code : 70526
Exam date/Session :13-12-2023/AN
Board : Electronics and Communication Engineering

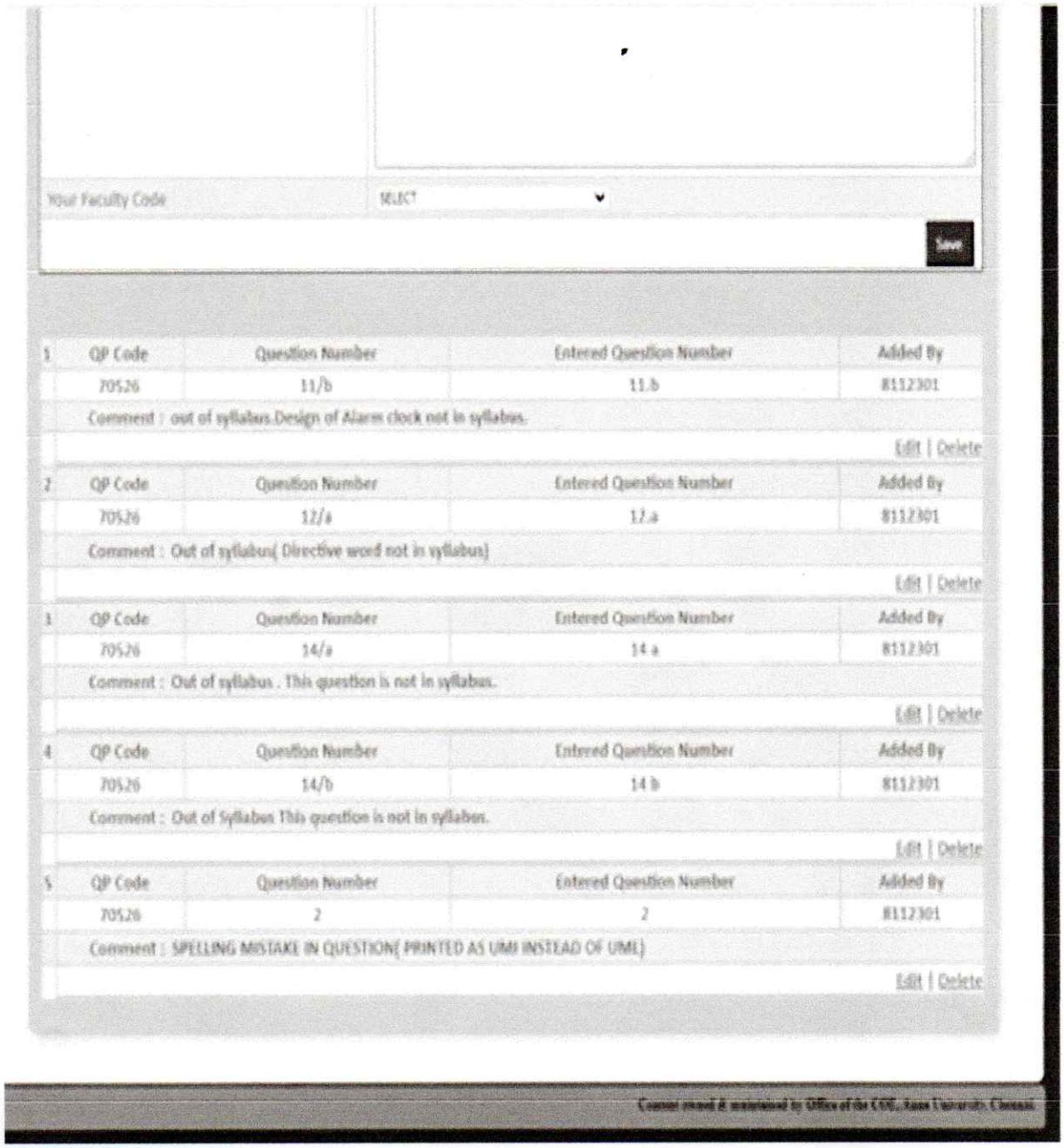
If no subdivision,Please Select "Not applicable"

Question Number	Select	Select	Select	Select
Question Number (type question number manually) Example 1: 12/a/ii Example 2: 5 Example 3: 5/a	TYPE QUESTION NUMBER HERE..			
Comment (Maximum 1000 chars) Please give your comment clearly	Type your comment here..			
Your Faculty Code	SELECT			

Save

	QP Code	Question Number	Entered Question Number	Added By
1	70526	11/b	11.b	8112301
	Comment : out of syllabus.Design of Alarm clock not in syllabus.			
				Edit | Delete
2	QP Code	Question Number	Entered Question Number	Added By
	70526	12/a	12.a	8112301
	Comment : Out of syllabus(Directive word not in syllabus)			

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Your Faculty Code	SELECT

Save

	QP Code	Question Number	Entered Question Number	Added By
1	705J6	11/b	11.b	8112301
	Comment : out of syllabus.Design of Alarm clock not in syllabus.			
				Edit | Delete
2	QP Code	Question Number	Entered Question Number	Added By
	705J6	12/a	12.a	8112301
	Comment : Out of syllabus(Directive word not in syllabus)			
				Edit | Delete
3	QP Code	Question Number	Entered Question Number	Added By
	705J6	14/a	14 a	8112301
	Comment : Out of syllabus . This question is not in syllabus.			
				Edit | Delete
4	QP Code	Question Number	Entered Question Number	Added By
	705J6	14/b	14 b	8112301
	Comment : Out of Syllabus This question is not in syllabus.			
				Edit | Delete
5	QP Code	Question Number	Entered Question Number	Added By
	705J6	2	2	8112301
	Comment : SPELLING MISTAKE IN QUESTION(PRINTED AS UMI INSTEAD OF UML)			
				Edit | Delete

Content owned & maintained by Office of the COE, Anna University, Chennai

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Question Paper Code : 20068
Exam date/Session :29-11-2023/FN
Board : AGRICULTURE

If no subdivision,Please Select "Not applicable"

Question Number | Select | Select | Select | Select

Question Number
(type question number manually)
Example 1: 12/a/ii
Example 2: 5
Example 3: 5/a

TYPE QUESTION NUMBER HERE..

Comment (Maximum 1000 chars)
Please give your comment clearly

Type your comment here...

Your Faculty Code | SELECT

Save

	QP Code	Question Number	Entered Question Number	Added By
1	20068	11/a	11 A	8112977

Comment : This question is out of syllabus. The question asked about depreciation is not mentioned in syllabus.

Edit | Delete

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madural Main Road
Manikandam, Tricny-620 012.