



# 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

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## QUALITY INDICATOR FRAME WORK

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### CRITERION – 1

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## CURRICULAR ASPECTS

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SUBMITTED BY

**IQAC**

INTERNAL QUALITY ASSURANCE CELL

**INDRA GANESAN COLLEGE OF ENGINEERING**





**Dr. G. Balakrishnan, M.E. Ph.D.,**  
Principal

# Indra Ganesan

## COLLEGE OF ENGINEERING

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IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620 012

### TO WHOMSOEVER IT MAY CONCERN

**1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website.**

Feedback process of the institution may be classified as follows:

- A. Feedback collected, analyzed, action taken & communicated to the relevant bodies and feedback hosted on the institutional website
- B. Feedback collected and analyzed
- C. Feedback collected
- D. Feedback not collected

**Response: Option A. Feedback collected, analyzed, action taken & Communicated to the relevant bodies and feedback hosted on the institutional website.**

**PRINCIPAL**

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



<b>Criterion 1</b>	<b>Curricular Aspects</b>	<b>100</b>
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1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website.

**2021-2022**

<b>S.NO</b>	<b>DETAILS</b>	<b>PAGE NO</b>
1.	<b>FEEDBACK ANALYSIS REPORT (Student, Faculty, alumni, Parent, Employer)</b>	<b>04-13</b>
2.	<b>ACTION TAKEN REPORT</b>	<b>14-15</b>
3.	<b>PROOF OF ACTION REPORT</b>	<b>15-25</b>



# 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)

## STUDENT FEEDBACK ANALYSIS ON Academic Performance and Ambience

ACADEMIC YEAR 2021-22

### A. STUDENT FEEDBACK ON CURRICULUM

S.No.	QUESTIONS	PERCENTAGE
1.	Rate the composition of the courses based on Basic Science, Engineering Science, Humanities and Social Sciences, Professional Core, Professional Elective, Open Elective, Employment Enhancement Courses and Project Work etc.,	90.4
2.	Rate the appropriateness of sequence of the courses provided in the Curriculum.	88.4
3.	Rate the appropriateness of sequence of the units of the courses provided in the Curriculum.	91
4.	Rate the adequate number of text books and reference books mentioned for the courses.	90.4
5.	Rate the implementation of CBCS in the Curriculum.	89.1
6.	Rate the content of courses offered in the curriculum to motivate the students to pursue for their higher studies, carrier orientation and research work.	89.3
7.	Rate the electives offered in the curriculum in relevance to technological advancements.	85.8
8.	Rate the availability of course content with respect to industry readiness.	87.3
9.	Rate the number of experiments available in the laboratory courses with respect to real time problems.	87.8
10.	Rate balance between theory and the laboratory courses available in the Curriculum.	89.5

### B. STUDENT FEEDBACK ON AMBIENCE (INFRA STRUCTURE)

11.	Rate the availability of well-furnished class rooms, ICT facilities used for teaching & learning process.	88.1
12.	Rate the availability of text & reference books and journals in the central library.	84.8
13.	Rate the initiatives followed by the institution to provide safe & secure, clean campus environment for active learning.	88.2
14.	Rate the initiatives followed by the institution to allow the students to participate in intra /inter/state / national /international level competitions.	89.6
15.	Rate the quality, quantity and price of food served to the students in the canteen.	86.9
16.	Rate the transport facility provided by the Institution.	88.2
17.	Rate the facility available for waste disposal in the college campus.	84.5
18.	Rate the facility available for disabled friendly environment in the college campus.	86.7
19.	Rate the availability of renewable energy sources in the college campus.	86.9
20.	Rate the best practices implemented by the Institution.	85.1

Dr. G. Balakrishnan

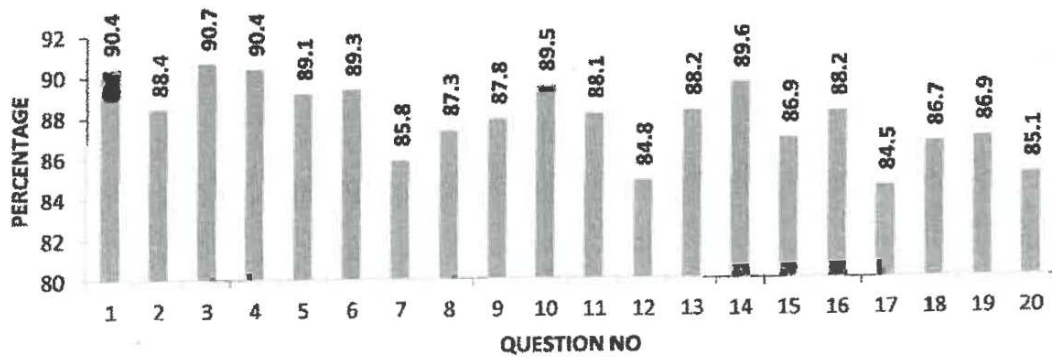
Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

## Student Feedback on Academic Performance and Ambience Academic Year 2021-2022



  
IQAC Coordinator

  
Principal

  
Dr. G. Balakrishnan  
Dr. G. Balakrishnan  
Principal  
Indra Ganesan College of Engineering  
Indra Ganesan College of Engineering  
K. Valley, Madurai Main Road,  
Manikandam, Trichy  
Manikandam, Trichy



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## FACULTY FEEDBACK ANALYSIS ON Academic Performance and Ambience ACADEMIC YEAR 2021-22

### A.FACULTY FEEDBACK ON CURRICULUM

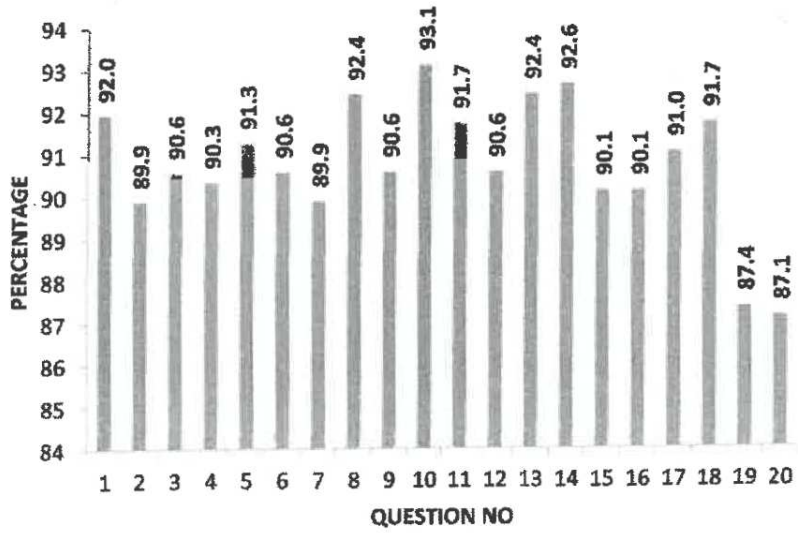
S.No.	QUESTIONS	PERCENTAGE
1.	Rate the clarity in definition of course objectives and outcomes in the syllabus.	92.0
2.	Rate the allocations of hours prescribed in the syllabus with respect to the course content.	89.9
3.	Rate the number of text and reference books mentioned in the syllabus.	90.6
4.	Rate the coverage of units as per the prescribed text books and reference books.	90.3
5.	Rate the content of recent technologies mentioned in the syllabus.	91.3
6.	Rate the clarity of mapping the COs with POs and PSOs in the syllabus.	90.6
7.	Rate the availability of curriculum to bridge the gap between the industry and institute.	89.9
8.	Rate the course content that supports to enrich the faculty knowledge for continuous teaching and learning process.	92.4
9.	Rate the composition of the courses based on Basic Science, Engineering Science, Humanities and Social Sciences, Professional Core, Professional Elective, Open Elective, Employment Enhancement Courses and Project Work etc.,	90.6
10.	Rate the electives offered in the curriculum in relevance to technological advancements.	92.4

### B.FACULTY FEEDBACK ON AMBIENCE(INFRA STRUCTURE)

11.	Rate the availability of ERP software, ICT facilities used for teaching and learning process.	91.7
12.	Rate the availability of text & reference books and journals in the library.	90.6
13.	Rate the initiatives followed by the institution to provide safe & secure, clean campus environment for active learning.	92.4
14.	Rate the faculty performance appraisal system implemented by the Institution.	92.6
15.	Rate the quality, quantity and price of food offered in the canteen.	90.1
16.	Rate the transport facility provided by the Institution.	90.1
17.	Rate the facility available for waste disposal in the college campus.	91.0
18.	Rate the facility available for disabled friendly environment in the college campus.	91.7
19.	Rate the availability of renewable energy sources in the college campus.	87.4
20.	Rate the welfare measures implemented by the Institution for staff.	87.1


**DR. G. B. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Manikandam, Tiruchirappalli  
Tamil Nadu, Trichy-620 012.

**Faculty Feedback on Academic Performance and Ambience  
Academic Year 2021-2022**



  
IQAC Coordinator

  
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

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## PARENTS FEEDBACK ANALYSIS ON Academic Performance and Ambience

ACADEMIC YEAR 2021-22

### A. PARENT FEEDBACK ON CURRICULUM

S.No.	QUESTIONS	PERCENTAGE
1.	Rate the composition of the courses based on Basic Science, Engineering Science, Humanities and Social Sciences, Professional Core, Professional Elective, Open Elective, Employment Enhancement Courses and Project Work etc.,	89.6
2.	Rate the electives offered in the curriculum in relevance to technological advancements.	88.7
3.	Rate the availability of course content with respect to industry readiness.	92.5
4.	Rate the content of courses offered in the curriculum to motivate the students to pursue for their higher studies, carrier orientation and research work.	89.5
5.	Rate the usefulness curriculum for lifelong learning.	90.8

### B. PARENT FEEDBACK ON AMBIENCE (INFRA STRUCTURE)

6.	Rate the availability of well-furnished class rooms, ICT facilities used for teaching & learning process.	88.1
7.	Rate the availability of text & reference books and journals in the central library.	86.9
8.	Rate the initiatives followed by the institution to provide safe & secure, clean campus environment for active learning.	89.2
9.	Rate the initiatives followed by the institution to allow the students to participate in intra /inter/state / national /international level competitions.	89.6
10.	Rate the quality, quantity and price of food served to the students in the canteen.	89.3
11.	Rate the transport facility provided by the Institution.	90.0
12.	Rate the facility available for waste disposal in the college campus.	85
13.	Rate the facility available for disabled friendly environment in the college campus.	89.1
14.	Rate the availability of renewable energy sources in the college campus.	89.7
15.	Rate the student welfare measures offered by the Institution.	86.0

Page 1 of 2

**Dr. G. Balakrishnan, M.E., Ph.D.,**

Principal

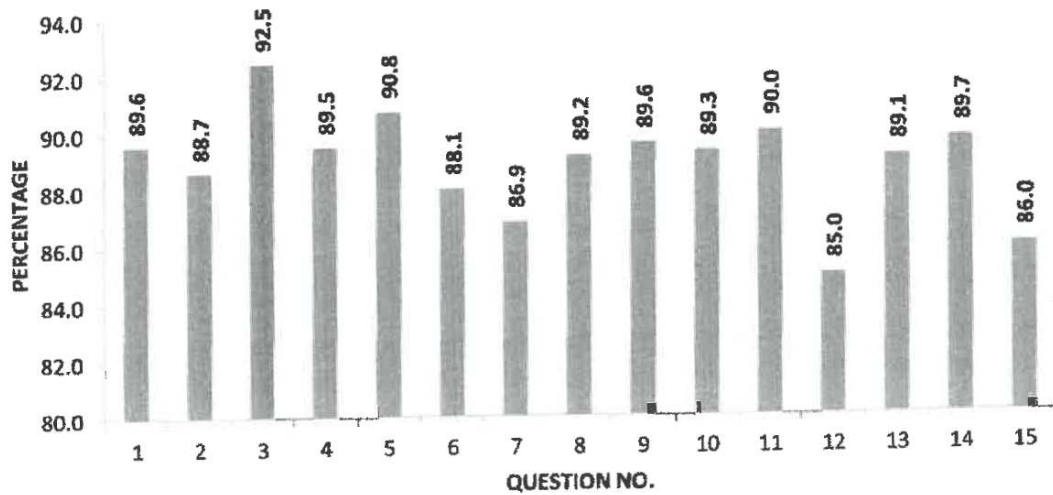
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IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



## Parents Feedback on Academic Performance and Ambience Academic Year 2021-2022



  
**IQAC Coordinator**

  
**Principal**

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



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## ALUMNI FEEDBACK ANALYSIS ON Academic Performance and Ambience

ACADEMIC YEAR 2021-22

### A. ALUMNI FEEDBACK ON CURRICULUM

S.No.	QUESTIONS	PERCENTAGE
1.	Rate the composition of the courses based on Basic Science, Engineering Science, Humanities and Social Sciences, Professional Core, Professional Elective, Open Elective, Employment Enhancement Courses and Project Work etc.,	90.4
2.	Rate the appropriateness of sequence of the courses provided in the Curriculum.	89.5
3.	Rate the appropriateness of sequence of the units of the courses provided in the Curriculum.	92.1
4.	Rate the adequate number of text books and reference books mentioned for the courses.	89.3
5.	Rate the implementation of CBCS in the Curriculum.	90.3
6.	Rate the content of courses offered in the curriculum to motivate the students to pursue for their higher studies, carrier orientation and research work.	90.9
7.	Rate the electives offered in the curriculum in relevance to technological advancements.	88.6
8.	Rate the availability of course content with respect to industry readiness.	91.2
9.	Rate the number of experiments available in the laboratory courses with respect to real time problems.	87.1
10.	Rate balance between theory and the laboratory courses available in the Curriculum.	91.6

### B. ALUMNI FEEDBACK ON AMBIENCE (INFRA STRUCTURE)

11.	Rate the availability of well-furnished class rooms, ICT facilities used for teaching & learning process.	91.8
12.	Rate the availability of text & reference books and journals in the central library.	88.2
13.	Rate the initiatives followed by the institution to provide safe & secure, clean campus environment for active learning.	92.5
14.	Rate the initiatives followed by the institution to allow the students to participate in intra / inter / state / national / international level competitions.	89.2
15.	Rate the quality, quantity and price of food served to the students in the canteen.	90.6
16.	Rate the transport facility provided by the Institution.	86.8
17.	Rate the facility available for waste disposal in the college campus.	91.9
18.	Rate the facility available for disabled friendly environment in the college campus.	87.6
19.	Rate the availability of renewable energy sources in the college campus.	90.1
20.	Rate the best practices implemented by the Institution.	89.2

Dr. G. Balakrishnan, M.E., Ph.D.,

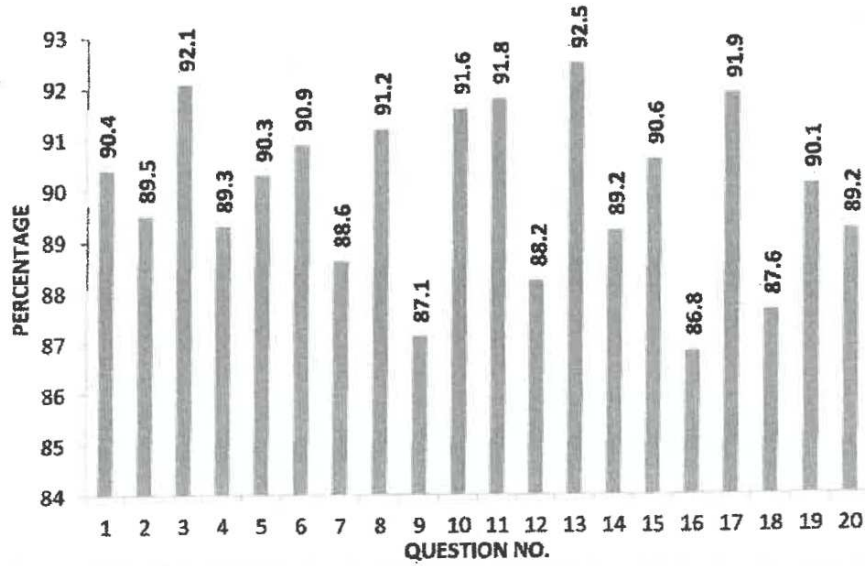
Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road


Manikandam, Trichy-620 012.

**Alumni Feedback on Academic Performance and Ambience  
Academic Year 2021–2022**



  
IQAC coordinator

  
Principal

  
**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
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IG Valley, Madurai Main Road  
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## EMPLOYER FEEDBACK ANALYSIS ON

### Academic Performance and Ambience


ACADEMIC YEAR 2021-22

### A.EMPLOYER FEEDBACK ON CURRICULUM

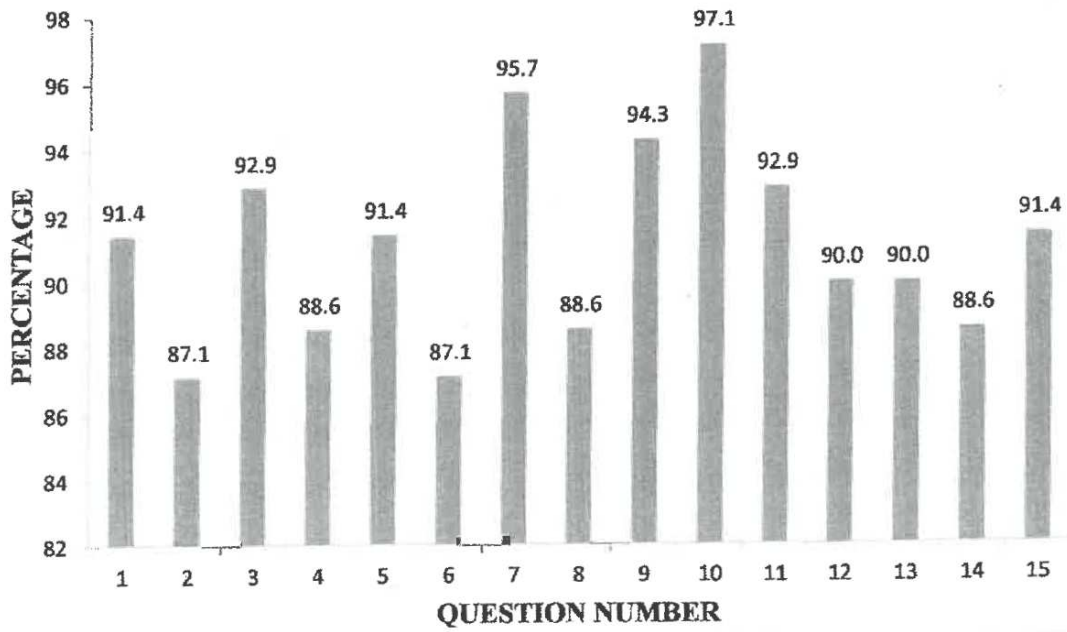
S.No.	QUESTIONS	PERCENTAGE
1.	Rate the availability of Curriculum that suitable for recruitment of students.	91
2.	Rate the availability of course content with respect to industry readiness.	87
3.	Rate the electives offered in the curriculum in relevance to technological advancements.	93
4.	Rate the availability of curriculum to bridge the gap between the industry and institute.	89
5.	How do you rate the overall content of the curriculum?	91

### B.EMPLOYER FEEDBACK ON AMBIENCE (INFRA STRUCTURE)

6.	Rate the availability of well-furnished class rooms, ICT facilities used for pre placement training.	87
7.	Rate the availability of aptitude/competitive examination books in the central library.	96
8.	Rate the initiatives followed by the institution to provide safe & secure, clean campus environment for recruitment drive.	89
9.	Rate the functioning of Training & Placement cell of the Institution.	94
10.	Rate the capacity building programmes offered by the Institution to enhance employability skills of the students.	97
11.	Rate the learning experience offered in terms of problem solving/experiential learning to the students of the Institutions.	93
12.	Rate the facility available for waste disposal in the college campus.	90
13.	Rate the facility available for disabled friendly environment in the college campus.	90
14.	Rate the availability of renewable energy sources in the college campus.	89
15.	Rate the initiatives taken by the Institution for water conservation.	91


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

**Employer Feedback on Academic Performance and Ambience  
Academic Year 2021-2022**



  
IQAC Coordinator

  
Principal

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



Date: 27.04.2022

### STAKEHOLDER FEEDBACK ON ACADEMIC PERFORMANCE & AMBIENCE ACTION TAKEN REPORT -2021-2022

In order to improve the quality initiative, our Institution IQAC collected the feedback about R-2021 curriculum and the syllabus followed in our Institution from the various stake holders (Students, Faculty members, Alumni, Employer, and Parents) offered by Anna University Chennai.

As a result, the collected feedback about the curriculum and syllabus were analyzed and based on the suggestion/representation received from the stakeholder in every department for bridging the curricular gap the following topics were suggested to include in existing Anna University R-2021 Curriculum and Syllabus with recent trends for the benefit of the students community.

Sl.No	Name of the Degree	Course Code	Course Title	Topic to be Included	Unit No
1.	B.Tech-Agricultural Engineering	CE 8602	Structural Analysis -II	STAAD Pro	5
2.	B.E-Computer Science and Engineering	CCS375	WEB TECHNOLOGIES	Django REST	5
3.	B.E-Mechanical Engineering	ME 3393	Solid State Joining Technologies	Metal Joining Process	2
		CMR 338	Graphene Battery Technologies	Autonomous vehicle	3
4.	B.E-Electrical and Electronics Engineering	EE3301	Electromagnetic Fields	Different methods of emf generation and Maxwell's equations	2

In this regard we kindly request you to discuss the above recommendations in the forthcoming Board of Studies(BoS) meeting and do the needful for the betterment of students Community.

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

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In this regard we sent a letter to Anna University and Requested to discuss the above recommendations in the forthcoming Board of Studies (BoS) meeting for the betterment of students' community.

In addition to that, the following Value added courses were offered by all Departments of IGCE in the academic year 2021-2022 to enhance the curricular content with recent trend for the benefit of the student community with the approval from various Departments.

List of Value added courses conducted to bridge the curricular gap:

S1.No	Value Course Name	Department
1.	STAAD Pro	Agricultural Engineering
2.	Django Framework	Computer Science and Engineering
3.	Solid State Joining Technologies Graphene Battery Technologies	Mechanical Engineering
4.	Automation and Robotics	Electrical & Electronics Engineering

  
Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

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PRINCIPAL



# Indra Ganesan

## COLLEGE OF ENGINEERING




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### Department of Computer Science & Engineering

Academic Year 2021-2022 – Even Semester

### Report on Value Added Course

Title:	Django Framework				
Resource Person:	Mr. Aazman, Project Manager, Azatech Trichy	Mr. T.Samy Trainer Azatech Trichy			
Date of conduct from :	06.06.2022	To:	11.06.2022	Duration:	36 Hours
Organized Department :	COMPUTER SCIENCE AND ENGINEERING				
Participant Year:	B.E-II,III & IV- Year /CSE I,II ME	No. of Students Registered :	96		
Venue:	SD LAB,NETWORKLAB				
<b>Outcome of Value Added Course (VAC): At the end of the Course, Students can able to</b>					
<ul style="list-style-type: none"><li>• How to create routes (or views) with Django.</li><li>• How to serve static content and files using Django.</li><li>• How to connect templates with models to serve data dynamically.</li><li>• How to create Models and how to connect them with Templates and Views.</li><li>• How to work with databases using SQLite.</li><li>• How to handle and validate forms in Django..</li></ul>					
<b>Assessment Process</b>					
<ul style="list-style-type: none"><li>• Students, who are securing more than 70% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted</li><li>• Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)</li></ul>					
 VAC Coordinator		 HoD/CSE		 Principal	

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





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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **Muthaiya P** ..... of

..... **IV YEAR CSE** ..... has successfully completed the Value Added Course on  
"Django Framework" organized by Department of Computer Science and Engineering and IQAC  
of our Institution in Association with Azatech from 06<sup>th</sup> June 2022 to 11<sup>th</sup> June 2022 (6days)  
during the Academic year 2021-2022.

**Mr. Aazman,**  
**Project Manager,**  
**Azatech Trichy**

**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**

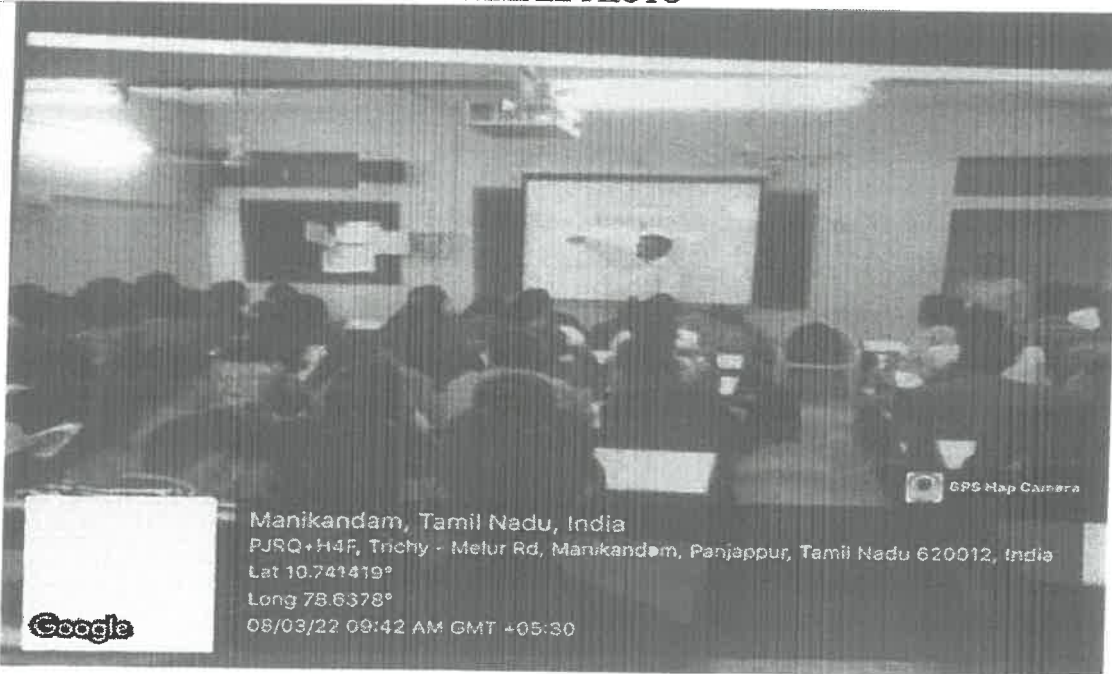
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## SAMPLE PHOTO OF VALUE ADDED COURSE

Title:	"ELECTROCHEMICAL ENERGY STORAGE"				
Resource Persons:	Mr.R.Durai Raj, Trainer, Startus Electric, Trichy				
Date of conduct from :	07.03.2022	To:	11.03.2022	Duration:	30 Hours
Organized Department :	Electrical and Electronics Engineering				
Participant Year:	2,3,4	No. of Students Registered :	38		
Venue:	EEE III Year Class Room				

## SAMPLE PHOTO



VAC Coordinator

G. Ma Lathi  
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**  
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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr. INBARAJ A, IV Year, EEE has successfully completed the Value Added Course on “ELECTROCHEMICAL ENERGY STORAGE” organized by Department of Electrical & Electronics Engineering and IQAC of our Institution in Association with Startus Electric from 7<sup>th</sup> March 2022 to 11<sup>th</sup> March 2022 (5days) during the Academic year 2021-2022.

**Startus Electric**  
**Mr.C.Premkumar**  
**Chief Executive Officer.**

**Principal**  
**IGCE**

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



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## Report on Value Added Course

Title: **Graphene Battery Technologies.**

Resource Person1: Mr. Abhu  
Co-ordinator  
UNIQU-MEP,  
Trichy

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

Resource Person2: Mr. Yasar Arafath  
Co-ordinator  
UNIQU-MEP,  
Trichy

Date of conduct from : 06.06.2022 To: 11.06.2022 Duration: 30 Hours

Organized Department : MECHANICAL ENGINEERING

Participant Year: 2,3, 4 No. of Students Registered : 69

Venue: Google Meet  
online mode Google Meet: [meet.google.com/ack-bfod-zmp](https://meet.google.com/ack-bfod-zmp)

### Outcome of Value Added Course (VAC): At the end of the Course, Students can able to

- Introduce the various terms to understand the efficiency of batteries
- know the relevant materials required for the construction of primary and secondary batteries
- familiarize with the reactions involved during charging and discharging batteries process
- Evaluate different batteries or fuel cells in order to select a suitable battery or fuel cell for a given application
- Explain the working principle, electrochemistry technology and application of prominent fuel cells

### Assessment Process

- Students, who are securing more than 70% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score =  $(0.5 * \text{Attendance in VAC out of 100 percentage} + 0.5 * \text{Test mark in VAC out of 100 marks})$

  
VAC Coordinator

  
HoD MECHANICAL

  
Principal



**CADD<sup>®</sup>**  
**CENTRE**  
Skills Driven Job Led


### CERTIFICATE OF PARTICIPATION

This is to certify that Mr.Ramesh.M,IV Year,Mech has successfully completed the value added course on "Graphene Battery Technologies" organized by department of mechanical Engineering and IQAC of our institution in association with CADD CENTRE from 06.06.2022 to 11.06.2022(5days) during the Academic Year 2021-2022

BALAJI  
CADD CENTRE






PRINCIPAL  
IGCE

  
Balakrishnan, M.E., Ph.D.,  
Principal  
Indra Ganesan College of Engineering  
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# Indra Ganesan

COLLEGE OF ENGINEERING  
Madurai Main Road (NH-45B), Manikandam, Trichy-12.  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Report on Value Added Course					
Title:	Solid state Joining Technologies				
Resource Person:	1.Mr.Faizal Ahamed & 2.Mr.Sundaramoorthi, Officer, UNIQ-MEP Trichy.				
Date of conduct from :	13.12.2021	To:	18.12.2021	Duration:	30 Hours
Organized Department :	MECHANICAL ENGINEERING				
Participant Year:	3, 4	No. of Students Registered :	43		
Venue:	GOOGLE MEET online mode Google Meet: <a href="https://meet.google.com/hiz-vzeg-sre">meet.google.com/hiz-vzeg-sre</a>				
<b>Outcome of Value Added Course (VAC): At the end of the Course, Students can able to</b>					
<ul style="list-style-type: none"><li>• Knowledge about Forge welding process</li><li>• Learning platform about cold welding process</li><li>• Know the practical skill development knowledge about diffusion welding process.</li><li>• friction welding and explosion welding process</li><li>• Industrial application oriented hot pressure welding process.</li></ul>					
<b>Assessment Process</b>					
<ul style="list-style-type: none"><li>• Students, who are securing <b>more than 70% on total score</b> and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted</li><li>• Total Score = <math>(0.5 * \text{Attendance in VAC out of 100 percentage} + 0.5 * \text{Test mark in VAC out of 100 marks})</math></li></ul>					
 VAC Coordinator					
 HOD/MECH					
 Principal					

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



UNI UNIQUE  
MEP

## CERTIFICATE OF PARTICIPATION

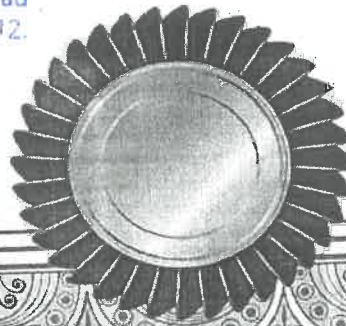
This is to certify that Mr.Sivash K,IV Year,MECH has successfully completed the value added course on "Solid State Joining Technologies" organized by department of Mechanical Engineering and IQAC of our institution in association with UNIQUE-MEP from 13.12.2021 to 18.12.2021(5days) during the Academic Year 2021-2022.

Mr.Faizal Ahamed

UNIQUE-MEP

Dr. G. Balakrishnan, M.E., Ph.D.  
Principal

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



PRINCIPAL

IGCE



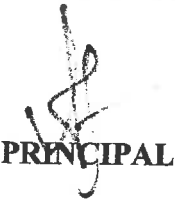


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NAAC Accredited, 2(F) Status Institution by UGC



REPORT ON VALUE ADDED COURSE					
Title:	STAAD.PRO				
Resource Person:	Ms.R.SHEELA, Ms.SWETHA, 5D ARCHITECTS & CONSTRUCTIONS, TRICHY				
Date of conduct from :	07.03.2021	To:	11.03.2021	Duration:	30 Hours
Organized Department :	Civil Engineering				
Participant Year:	2, 3, 4		No. of Students Registered :	17	
Venue:	Online Google meet				
<b>Outcome of Value Added Course (VAC): At the end of the Course, Students can able to</b>					
<ul style="list-style-type: none"><li>• Know real-world importance of software in Civil Engineering</li><li>• Know how to perform in civil software in industries.</li><li>• Study about Staad pro of civil engineering software's.</li><li>• Students are expected to learn and practice the skills they will need in the workplace.</li><li>• Develop a foundational understanding of civil software's.</li></ul>					
<b>Assessment Process</b>					
<ul style="list-style-type: none"><li>• Students, who are securing <b>more than 70% on total score</b> and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted</li><li>• Total Score = (0.5 * Attendance in VAC out of 100 percentage + 0.5 * Test mark in VAC out of 100 marks)</li></ul>					
 VAC Coordinator		 HoD/CIVIL		 PRINCIPAL	

**Dr. G. Balakrishnan, M.E., Ph.D.,**

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.





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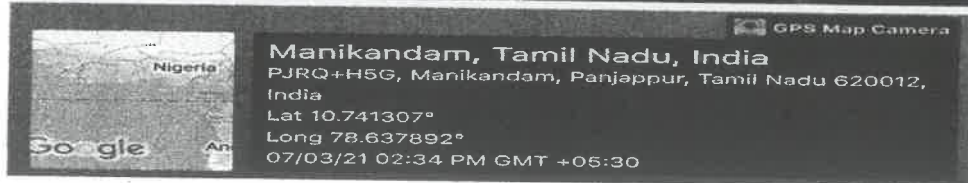
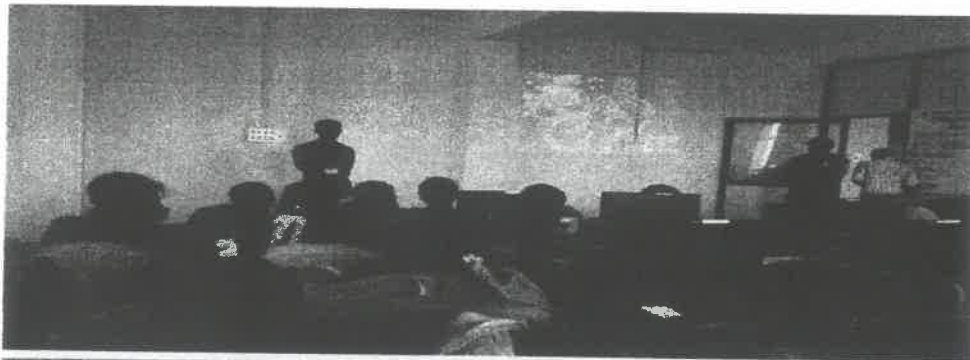
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## REPORT ON VALUE ADDED COURSE

### PHOTO OF THE SESSION:



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

VAC coordinator

HoD/CIVIL

PRINCIPAL



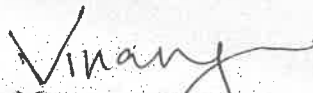
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## CERTIFICATE OF PARTICIPATION

This is to certify that Mr.AKASHJ of IV Year B.E- CIVIL Indra Ganesan College of Engineering has successfully completed the Value Added course "STAAD.Pro"organised By Department Of Civil Engineering in association with 5D Architects Constructions conducted from 07.03.2021 to 11.03.2021. (5days) during Academic year 2021-2022

  
Managing Director

5D Architects & Constructions



Principal

Indra Ganesan Engineering college



**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal

Indra Ganesan College of Engineering  
IG Vellore, Madurai Main Road  
Merikandam, Trichy-620 012.