



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 – 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





DEPARTMENT OF SCIENCE AND HUMANITIES

ACADEMIC YEAR 2021-2022 / ODD SEMESTER

1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM				
Resource Person:	Mr. G. Vijayan, Operation manager, Surya solar, Hosur		Mr.C.Rajesh khanna Team leader , Surya solar, Hosur		
Date of conduct from:	13.12.2021	To:	17.12.2021	Duration:	30 Hours
Organized Department:	SCIENCE AND HUMANITIES				
Participant Year:	I Year	Semester:	ODD	No. of Students Registered:	152
Venue:	ONLINE MODE GOOGLE MEET: https://meet.google.com/sgi-hior-ygr				

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Department of Science and Humanities
Academic Year 2021-2022 –Odd Semester

08.12.2021

DEPARTMENT CIRCULAR

Department of Science and Humanities and IQAC of IGCE In Association with Surya solar is going to organize Value Added Course for all first year students on “Basic of electrical, plumbing & two wheeler mechanism” from 13.12.2021 to 17.12.2021. Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus.

Resource Person Detail	<ol style="list-style-type: none">1. Mr. G. Vijayan, Operation manager, Surya solar, Hosur2. Mr.C.Rajeshkhanna Team leader , Surya solar, Hosur
Venue	Google meet https://meet.google.com/sgi-hior-ygr

G. Balakrishnan
HOD/S&H

[Signature]
PRINCIPAL

Cc:

- Principal Table
- IQAC Co-Ordinator
- HoD/ S&H
- Class In charges - I-Year
- I-Year S&H Students
- Office File
- NoticeBoard

[Signature]
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
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Manikandam, Trichy-620 012.



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Value Added Course

“Basic of electrical, plumbing & two wheeler mechanism”

SYLLABUS

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Safety Rules and Safety Signs	3	13.12.2021
2	Introduction to Electricity	3	13.12.2021
3	Basic Concepts Practical	3	14.12.2021
4	Awareness about the significance of plumbing	3	14.12.2021
5	Importance of observing safety rules while working with pipes and professional ethics	3	15.12.2021
6	Familiarization with tools and material of plumbing	3	15.12.2021
7	Basics of Motor Vehicle Technology Theory	3	16.12.2021
8	General check for two wheeler	3	16.12.2021
9	stroke engines	3	17.12.2021
10	Functions &Types of lubrication	3	17.12.2021
11	Exam	1	17.12.2021
Total Hours (Excluding exam)		30	-


VAC Coordinator


Dr. G. Balakrishnan, M.E., Ph.D.,
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Value Added Course

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

STUDENTS PARTICIPATION LIST

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road

“Basic of electrical, plumbing & two wheeler mechanism” Manikandam, Trichy-620 012.

S.NO	REGISTER NUMBER	NAME	YEAR/ BRANCH
1	811221108002	ABINAYA R	I/ Agri
2	811221108007	CHARULATHA V	I/ Agri
3	811221108011	HARIHARAN M	I/ Agri
4	811221108013	ILAYARAJA E	I/ Agri
5	811221108014	JAYASOUNDARYA M	I/ Agri
6	811221108016	KALPANAPRIYA R	I/ Agri
7	811221108019	KAVIYA T.	I/ Agri
8	811221108022	KOWSALYA I	I/ Agri
9	811221108025	PONNIYAMMAL B	I/ Agri
10	811221108028	RAJABUNISHA M	I/ Agri
11	811221108029	RAJESH K	I/ Agri
12	811221108030	RAJESHWARI D	I/ Agri
13	811221108031	SAIRAM M	I/ Agri
14	811221108037	UMAMAHESHWARI R	I/ Agri
15	811221108040	VIJAYA KRISHNAN G	I/ Agri
16	811221104001	AKSHAY K	I/CSE
17	811221104002	BHARATHKUMAR S M	I/CSE
18	811221104003	BHUVANESHWARI M	I/CSE
19	811221104004	DHINESH C	I/CSE
20	811221104005	EYARKAI KAMALI R	I/CSE
21	811221104006	GOKULNATH P R	I/CSE
22	811221104007	HARIHARASWAMY M	I/CSE
23	811221104008	HARISH R	I/CSE
24	811221104009	HARRISH M	I/CSE
25	811221104010	HARUN RASHEETH S	I/CSE
26	811221104011	HEMA T	I/CSE
27	811221104012	JACOP ANTONY L	I/CSE
28	811221104013	JEEVANANTHAM S	I/CSE
29	811221104014	KATHIRVEL K	I/CSE
30	811221104015	KEERTHANA J	I/CSE
31	811221104016	KOWSHIK G	I/CSE
32	811221104017	MADHAN KUMAR P	I/CSE
33	811221104018	MANIKANDAN N	I/CSE
34	811221104019	MOHAMED GANI A	I/CSE
35	811221104020	MOHAMED THOUFIK U	I/CSE
36	811221104021	MOHAMED YUNUZ R	I/CSE



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37	811221104022	MOHAMMED RISWAAN M	I/CSE
38	811221104023	NAVEENKUMAR S	I/CSE
39	811221104024	NITHYA A	I/CSE
40	811221104025	POORNIMA C	I/CSE
41	811221104026	PRASANNA BALAJI C	I/CSE
42	811221104027	PRAVEEN JAYASEELAN B	I/CSE
43	811221104028	RAJAPUSHPAM V	I/CSE
44	811221104029	REETHIKA R	I/CSE
45	811221104030	RESIKA A V R	I/CSE
46	811221104031	SANTHOSH P	I/CSE
47	811221104032	SARAVANAPERUMAL S	I/CSE
48	811221104034	SELVALAKSHMI G	I/CSE
49	811221104035	SIVAKUMAR P	I/CSE
50	811221104036	SUDHAKARAN V	I/CSE
51	811221104037	SUGAVANESHWARAN S	I/CSE
52	811221104038	SUMAIYA BEGAM S	I/CSE
53	811221104039	SURIYA R	I/CSE
54	811221104040	SURUTHI Y	I/CSE
55	811221104041	SURUTHI M	I/CSE
56	811221104042	SURYA D	I/CSE
57	811221104043	SYED ANWAR S	I/CSE
58	811221104044	THAVAPRIYA S	I/CSE
59	811221104045	VASANTHAVEL S	I/CSE
60	811221104046	VENGADESWARI M	I/CSE
61	811221104047	VIJAY INFANT A	I/CSE
62	811221104048	VISHWA S	I/CSE
63	811221104049	YOGAPRIYA N	I/CSE
64	811221243002	ABDUR RAHMAN J	I/AI&DS
65	811221243004	ARUN KUMAR M	I/AI&DS
66	811221243006	BHARATH KUMAR R	I/AI&DS
67	811221243009	DHARANI R	I/AI&DS
68	811221243013	JAVAHAR NISHA B	I/AI&DS
69	811221243016	KALAIYARASAN A	I/AI&DS
70	811221243025	MOHAMED FAHADHU A	I/AI&DS
71	811221243032	RAKESH S	I/AI&DS
72	811221114006	DHANASEKARAN D	I/Mech
73	811221114008	DHIVAKAR R	I/Mech
74	811221114014	KANNAN P	I/Mech
75	811221114022	NAVEEN M	I/Mech
76	811221114030	SANTHOSH R	I/Mech
77	811221114038	THIRUPPATHI C	I/Mech
78	811221205001	ANGEL EPSIBA A	I/IT
79	811221205002	ARUL ROSELINE A	I/IT

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80	811221205003	ASARUDHEEN K	I/IT
81	811221205004	BARAKKATH NISHA S	I/IT
82	811221205005	BRUNDHA P	I/IT
83	811221205006	CHINNADURAI R	I/IT
84	811221205007	DEEPIKA P	I/IT
85	811221205008	DHEETSIKA V	I/IT
86	811221205009	DINESH M	I/IT
87	811221205010	GNANASAMUEL A	I/IT
89	811221205013	JAISURYA K	I/IT
90	811221205014	JENANI R	I/IT
91	811221205015	KANNAN M	I/IT
92	811221205016	KARTHIKRAJA M	I/IT
93	811221205017	KAVIN J	I/IT
94	811221205018	KAYATHRI S	I/IT
95	811221205019	KISHORE M	I/IT
96	811221205020	LALITHA K	I/IT
97	811221205021	MADHAN S	I/IT
98	811221205022	MANIKANDAN M	I/IT
99	811221205023	MOHAMED ANAS J	I/IT
100	811221205024	MOHAMED ASLAM S	I/IT
111	811221205025	MONIKA SRI B	I/IT
112	811221205027	NANDHA KUMAR R	I/IT
113	811221205029	PRASANNA M	I/IT
114	811221205030	ROBINSON R	I/IT
115	811221205031	ROSHINI B	I/IT
116	811221205032	SANTHOSH KUMAR P	I/IT
117	811221205033	SATHISHKANNAN S	I/IT
118	811221205034	SEBASTHIYAN S	I/IT
119	811221205035	STEPHEN S	I/IT
120	811221205036	SUBASHINI M	I/IT
121	811221205037	SUBASRI M	I/IT
122	811221205038	SUJHIN R	I/IT
123	811221205039	SUMITHA A	I/IT
124	811221205041	SURYA JETLY T	I/IT
125	811221205042	UDHAYA HARISH B	I/IT
126	811221205043	UDHAYANITHI C	I/IT
127	811221205044	UMA MAHESWARI R	I/IT
128	811221205045	VANITHA G	I/IT
129	811221205046	VIDHYA BHARATHI K	I/IT
130	811221205047	VIGNESH G	I/IT
131	811221205048	YASAR ARAFATH A	I/IT
132	811221105012	HARIHARAN E	I/EEE
133	811221105013	HARIHARAN K	I/EEE
134	811221105015	KAVIPRIYAN D	I/EEE

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135	811221105018	LINGESWARAN R	I/EEE
136	811221105023	PANDIAN M	I/EEE
137	811221105027	SANGILI S	I/EEE
138	811221105039	SRIKANTH M	I/EEE
139	811221106001	AARTHI S	I/ECE
140	811221106002	ANITH APEL J	I/ECE
141	811221106003	AROCKIA JENIFER M	I/ECE
142	811221106005	DEEPALAKSHMI S	I/ECE
143	811221106008	DHINESH BABU C	I/ECE
144	811221106012	JAYA KAMAKSHERADHA S	I/ECE
145	811221106022	PARKAVI S	I/ECE
146	811221106024	PREMKUMAR S	I/ECE
147	811221106033	THAMILARASI C	I/ECE
148	811221106034	THRISHA S	I/ECE
149	811221106035	VEERAKUMAR R	I/ECE
150	811221106036	VELLAISAMY S	I/ECE
151	811221106037	VICTORRAJ S	I/ECE
152	811221106040	VISHAL V	I/ECE


VAC Coordinator


HoD/S&H


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Report on Value Added Course			
Title:	" Basic of electrical, plumbing & two wheeler mechanism"		
Resource Person:	Mr. G. Vijayan, Operation manager, Surya solar, Hosur	Mr.C.Rajeshkhanna Team leader , Surya solar, Hosur	
Date of conduct from :	13.12.2021	To: 17.12.2021	Duration: 30 Hours
Organized Department:	SCIENCE AND HUMANITIES		
Participant Year:	1	No. of Students Registered :	152
Venue:	Google meet https://meet.google.com/sgi-hior-ygr		
Outcome of Value Added Course (VAC): At the end of the Course, Students can able to			
<ol style="list-style-type: none">1.To observe the electric safety aspect2. Basic knowledge about electric.3. Demonstrate logical reasoning in plumbing through evaluating best material selection and determining adequate joining processes.4. Demonstrate professionalism by developing goals for personal and professional growth and modeling industry norms to develop a commitment of lifelong career.5. Learn shop safety.6. Understand shop equipment.			
Assessment Process			
<ul style="list-style-type: none">• Students, who are securing more than 60% 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 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)			
VAC Coordinator	 HoD/S&H		Principal

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

Principal

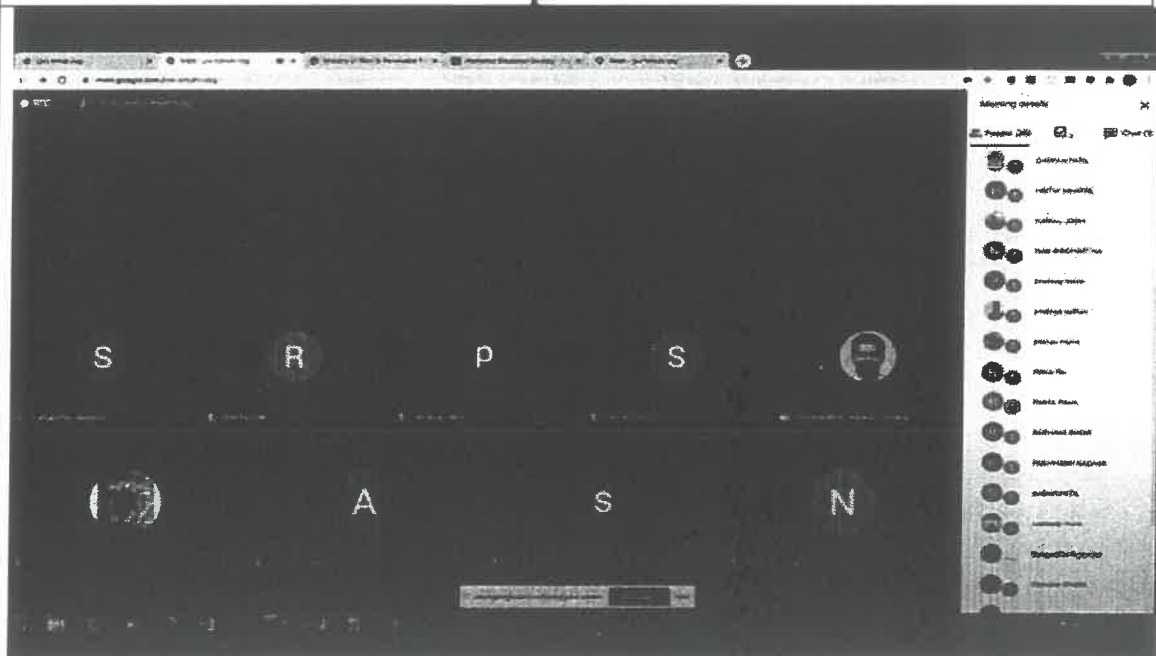
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Sample Photos of Value Added Course

Title:	"Basic of electrical, plumbing & two wheeler mechanism"				
Resource Person:	1. Mr. G. Vijayan, Operation manager, Surya solar, Hosur 2. Mr.C.Rajeshkhanna Team leader , Surya solar, Hosur				
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Venue:	Google meet https://meet.google.com/sgi-hior-ygr				

Sample Photos



[Signature]
VAC Coordinator

[Signature]
HOD/S&H

[Signature]
Principal

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Name of the Student:

Year/Sem:

AU Register Number:

Value Added Course

“Basic of electrical, plumbing & two wheeler mechanism”

MULTIPLE CHOICE QUESTIONS (25 X 4 = 100 Marks)

1. Which of the following elements of electrical engineering cannot be analyzed using Ohm's law?
 - a) Capacitors
 - b) Inductors
 - c) Transistors
 - d) Resistance
2. What is constant for a charged spherical shell according to basic electrical energy?
 - a) Electrical potential outside the spherical shell
 - b) Electrical potential inside the spherical shell
 - c) Electrical field outside the spherical shell
 - d) Electrical field inside the spherical shell
3. Which of the following according to fundamentals of electrical energy is correct about alternating current?
 - a) Frequency is zero
 - b) Magnitude changes with time
 - c) Can be transported to larger distances with less loss in power
 - d) Flows in both directions
4. What will be the direction of the drift velocity of electrons change with respect to the electric field?
 - a) same as that of electric field
 - b) opposite to that of electric field
 - c) perpendicular to that of the electric field in a positive direction
 - d) perpendicular to that of the electric field in a negative direction.
5. What is zero for a charged spherical shell?
 - a) Electrical potential outside the spherical shell
 - b) Electrical potential inside the spherical shell
 - c) Electrical field outside the spherical shell
 - d) Electrical field inside the spherical shell

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6. What kind of quantity is an Electric potential?
- Vector quantity
 - Tensor quantity
 - Scalar quantity
 - Dimensionless quantity
7. Which of the following will happen in a transformer when the number of secondary turns is less than the number of primary turns?
- The voltage gets stepped up
 - The voltage gets stepped down
 - The power gets stepped up
 - The power gets stepped down
8. A ___ is a measuring tape consisting of a long, continuous steel strip that is graduated in standard increments.
- Coil
 - Reel
 - Blade lock
 - Steel tape
9. A plumb bob is a cone shaped metal weight fastened to a string that is used to establish a true _____.
- Transfer plane
 - Horizontal plane
 - Plumb line
 - Base
10. A ___ level with a magnetic base may be attached to cast iron soil and steel pipe.
- Transit
 - Torpedo
 - Digital
 - Sensor
11. A 6-in-1 screw driver is equipped with _____.
- Straight bits
 - Philips bits
 - Nut drivers
 - All of the above
12. A ___ is an assembly for holding pipe in place during cutting, threading, or grooving operations.
- Pipe vise
 - Grip vise
 - Chain grip
 - Slip joint


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13. Reciprocating saw blades are available for cutting ____.

- a) Wood
- b) Metal
- c) Pipe
- d) All of the above

14. A ____ saw is a handsaw used to cut openings in relatively thin materials.

- a) Hack
- b) Keyhole
- c) Portable band
- d) Band

15. The following provides a smooth means of disengagement and engagement between the engine and the remainder of transmission system.

- a) Clutch
- b) Gearbox
- c) Propeller shaft
- d) Differential

16. A machine member used to connect engine shaft to gear box is called

- a) Differential
- b) Clutch
- c) Flywheel
- d) Propeller shaft

17. The clutch plate is held in between _____ and pressure plate.


- a) Flywheel
- b) Gear box
- c) Engine
- d) Crankshaft

18. The coefficient of friction for the clutch facing is approximately

- a) 0.1
- b) 0.4
- c) 0.8
- d) 1.25

19. Which type of clutch does not require clutch pedal?

- a) Single plate
- b) Multi plate
- c) Centrifugal
- d) Cone


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20. The following is not a Friction clutch

- a) Clutch
- b) Centrifugal clutch
- c) Cone clutch
- d) Disc clutch

21. The following is known as positive clutch

- a) Single plate clutch
- b) Cone clutch
- c) Dog clutch
- d) Centrifugal clutch

22. The following type of arrangement is used in synchromesh type gear box

- a) Single plate clutch
- b) Fluid clutch
- c) Dog clutch
- d) Semi-centrifugal clutch

23. Brake lining is mounted on


- a) Wheel cylinder
- b) Master cylinder
- c) Brake drum
- d) Brake shoe

24. In a two stroke scooter, engine the cylinder is lubricated

- a) Mixing lubricating oil in the fuel
- b) Lubrication plug
- c) Splash lubrication
- d) Pressure lubrication

25. Automobiles gears are generally made of

- a) Alloy steel
- b) Brass
- c) Cast iron
- d) Stainless steel


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Value Added Course

“Basic of electrical, plumbing & two wheeler mechanism”

ANSWER KEY

1	c	6	c	11	d	16	b	21	c
2	b	7	b	12	a	17	a	22	c
3	a	8	d	13	d	18	b	23	d
4	b	9	c	14	b	19	c	24	b
5	d	10	b	15	a	20	a	25	a

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Department of Science and Humanities

Academic Year 2021-2022 –Odd Semester

STUDENTS ATTENDANCE LIST

Value Added Course

“Basic of electrical, plumbing & two wheeler mechanism”

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IG Valley, Madurai Main Road

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S.NO	REGISTER NUMBER	NAME	YEAR/ BRANCH	13.12.2021		14.12.2021		15.12.2021		16.12.2021		17.12.2021		NO OF SESSIION ATTENTED	ONLINE
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1	811221108002	ABINAYA R	I/ Agri	P	P	P	P	P	P	P	P	P	P	30	
2	811221108007	CHARULATHA V	I/ Agri	P	P	P	P	P	P	A	P	P	P	27	
3	811221108011	HARIHARAN M	I/ Agri	P	P	A	P	A	P	P	P	P	P	26	
4	811221108013	ILAYARAJA E	I/ Agri	P	P	P	A	P	P	P	P	P	P	28	
5	811221108014	JAYASOUNDARYA M	I/ Agri	P	A	P	P	P	A	P	P	P	P	26	
6	811221108016	KALPANAPRIYA R	I/ Agri	P	P	A	P	P	P	A	P	P	P	26	
7	811221108019	KAVIYA T	I/ Agri	P	P	A	P	P	P	A	P	P	P	27	



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8	811221108022	KOWSALYA I	I/ Agri	P	P	P	P	P	P	A	P	P	P	28	
9	811221108025	PONNIYAMMAL B	I/ Agri	P	P	P	P	P	P	P	P	P	P	30	
10	811221108028	RAJABUNISHA M	I/ Agri	P	P	P	P	P	P	A	P	P	P	27	
11	811221108029	RAJESH K	I/ Agri	P	P	A	P	P	A	P	P	P	P	26	
12	811221108030	RAJESHWARI D	I/ Agri	P	P	P	P	P	P	P	P	P	P	28	
13	811221108031	SAIRAM M	I/ Agri	P	P	P	A	P	P	A	P	P	P	26	
14	811221108037	UMAMAHESHWARI R	I/ Agri	P	P	P	P	P	P	A	P	P	P	26	
15	811221108040	VIJAYA KRISHNAN G	I/ Agri	P	P	P	P	P	P	P	A	P	P	27	
16	811221104001	AKSHAY K	I/CSE	P	P	P	A	P	P	P	P	P	P	28	
17	811221104002	BHARATHKUMAR S M	I/CSE	P	P	P	A	P	P	P	P	P	P	29	
18	811221104003	BHUVANESHWARI M	I/CSE	P	P	P	P	P	P	P	P	P	P	30	
19	811221104004	DHINESH C	I/CSE	P	P	P	P	P	A	P	P	P	P	27	
20	811221104005	EYARKAI KAMALI R	I/CSE	P	P	P	P	P	A	P	P	P	P	26	
21	811221104006	GOKULNATH P R	I/CSE	P	A	P	P	A	P	P	P	P	P	28	
22	811221104007	HARIHARASWAMY M	I/CSE	P	P	P	P	P	P	P	A	P	P	29	
23	811221104008	HARISH R	I/CSE	P	P	A	P	A	P	P	P	P	P	26	

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24	811221104009	HARRISH M	I/CSE	P	P	P	P	P	P	P	P	P	P	30	
25	811221104010	HARUN RASHEETH S	I/CSE	P	P	P	P	P	P	A	P	P	P	27	
26	811221104011	HEMA T	I/CSE	P	P	P	A	P	A	P	P	P	P	26	
27	811221104012	JACOP ANTONY L	I/CSE	P	P	P	P	A	P	P	P	P	P	28	
28	811221104013	JEEVANANTHAM S	I/CSE	P	A	P	P	P	A	P	P	P	P	26	
29	811221104014	KATHIRVEL K	I/CSE	P	P	A	P	P	P	A	P	P	P	26	
30	811221104015	KEERTHANA J	I/CSE	P	P	P	P	P	A	P	P	P	P	27	
31	811221104016	KOWSHIK G	I/CSE	P	P	P	P	P	P	A	P	P	P	28	
32	811221104017	MADHAN KUMAR P	I/CSE	P	P	P	P	P	A	P	P	P	P	29	
33	811221104018	MANIKANDAN N	I/CSE	P	P	P	P	A	P	P	P	P	P	27	
34	811221104019	MOHAMED GANI A	I/CSE	P	P	P	P	P	P	P	A	P	P	28	
35	811221104020	MOHAMED THOUFIK U	I/CSE	P	P	P	P	P	P	A	A	P	P	29	
36	811221104021	MOHAMED YUNUZ R	I/CSE	P	P	P	P	A	P	A	P	P	P	26	
37	811221104022	MOHAMMED RISWAAN M	I/CSE	P	P	P	P	P	P	P	P	P	P	30	
38	811221104023	NAVEENKUMAR S	I/CSE	P	P	P	P	P	P	A	P	P	P	27	
39	811221104024	NITHYA A	I/CSE	P	A	P	P	P	A	P	P	P	P	26	

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40	811221104025	POORNIMA C	I/CSE	P	P	P	P	P	P	P	A	P	P	28	
41	811221104026	PRASANNA BALAJI C	I/CSE	P	P	P	P	A	P	A	P	P	P	26	
42	811221104027	PRAVEEN JAYASEELAN B	I/CSE	P	P	P	A	P	P	A	P	P	P	26	
43	811221104028	RAJAPUSHPAM V	I/CSE	P	P	P	P	P	P	P	P	P	P	27	
44	811221104029	REETHIKA R	I/CSE	P	P	P	A	P	P	A	P	P	P	26	
45	811221104030	RESIKA A V R	I/CSE	P	P	P	P	P	P	A	P	P	P	27	
46	811221104031	SANTHOSH P	I/CSE	P	P	P	P	P	A	P	P	P	P	28	
47	811221104032	SARAVANAPERUMAL S	I/CSE	P	P	P	P	P	A	P	P	P	P	29	
48	811221104034	SELVALAKSHMI G	I/CSE	P	P	A	P	A	P	P	P	P	P	26	
49	811221104035	SIVAKUMAR P	I/CSE	P	P	P	P	P	P	P	P	P	P	30	
50	811221104036	SUDHAKARAN V	I/CSE	P	P	P	P	P	A	P	P	P	P	27	
51	811221104037	SUGAVANESHWARAN S	I/CSE	P	P	P	A	P	A	P	P	P	P	26	
52	811221104038	SUMAIYA BEGAM S	I/CSE	P	P	P	P	P	P	A	P	P	P	28	
53	811221104039	SURIYA R	I/CSE	P	P	P	A	P	P	P	A	P	P	26	
54	811221104040	SURUTHI Y	I/CSE	P	P	P	A	P	P	P	A	P	P	26	
55	811221104041	SURUTHI M	I/CSE	P	P	P	P	P	P	A	P	P	P	28	

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56	811221104042	SURYA D	I/CSE	P	P	P	P	P	P	P	A	P	P	27	
57	811221104043	SYED ANWAR S	I/CSE	P	P	P	P	P	P	P	A	P	P	28	
58	811221104044	THAVAPRIYA S	I/CSE	P	P	P	P	P	P	A	P	P	P	29	
59	811221104045	VASANTHAVEL S	I/CSE	P	P	P	P	P	P	P	P	P	P	30	
60	811221104046	VENGADESWARI M	I/CSE	P	P	P	P	P	P	P	P	P	P	30	
61	811221104047	VIJAY INFANT A	I/CSE	P	P	P	P	P	P	A	P	P	P	27	
62	811221104048	VISHWA S	I/CSE	P	P	P	P	P	P	A	P	P	P	26	
63	811221104049	YOGAPRIYA N	I/CSE	P	P	P	P	P	A	P	P	P	P	28	
64	811221243002	ABDUR RAHMAN J	I/AI&DS	P	P	P	A	P	A	P	P	P	P	26	
65	811221243004	ARUN KUMAR M	I/AI&DS	P	P	P	A	P	P	A	P	P	P	26	
66	811221243006	BHARATH KUMAR R	I/AI&DS	P	P	P	A	P	P	A	P	P	P	26	
67	811221243009	DHARANI R	I/AI&DS	P	P	P	P	P	P	A	P	P	P	28	
68	811221243013	JAVAHAR NISHA B	I/AI&DS	P	P	P	P	P	P	P	A	P	P	27	
69	811221243016	KALAIYARASAN A	I/AI&DS	P	P	P	P	P	P	A	P	P	P	28	
70	811221243025	MOHAMED FAHADHU A	I/AI&DS	P	P	P	P	P	P	A	P	P	P	29	
71	811221243032	RAKESH S	I/AI&DS	P	P	P	P	P	P	P	P	P	P	30	

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72	811221114006	DHANASEKARAN D	I/Mech	P	P	P	P	P	P	P	P	P	P	30	
73	811221114008	DHIVAKAR R	I/Mech	P	P	P	P	P	P	P	A	P	P	27	
74	811221114014	KANNAN P	I/Mech	P	P	P	P	P	P	A	P	P	P	26	
75	811221114022	NAVEEN M	I/Mech	P	P	P	P	P	A	P	P	P	P	28	
76	811221114030	SANTHOSH R	I/Mech	P	A	P	P	A	P	P	P	P	P	26	
77	811221114038	THIRUPPATHI C	I/Mech	P	A	P	P	P	P	A	P	P	P	26	
78	811221205001	ANGEL EPSIBA A	I/IT	P	P	P	P	P	A	P	P	P	P	28	
79	811221205002	ARUL ROSELINE A	I/IT	P	P	P	P	P	P	P	A	P	P	26	
80	811221205003	ASARUDHEEN K	I/IT	P	P	P	P	P	P	A	P	P	P	28	
81	811221205004	BARAKKATH NISHA S	I/IT	P	P	P	P	A	P	P	P	P	P	27	
82	811221205005	BRUNDHA P	I/IT	P	P	P	P	P	A	P	P	P	P	28	
83	811221205006	CHINNADURAI R	I/IT	P	P	P	P	P	A	P	P	P	P	29	
84	811221205007	DEEPIKA P	I/IT	P	P	P	P	P	P	P	P	P	P	30	
85	811221205008	DHEETSIKA V	I/IT	P	P	P	P	P	P	P	P	P	P	30	
86	811221205009	DINESH M	I/IT	P	P	P	P	P	P	P	P	P	P	27	
87	811221205010	GNANASAMUEL A	I/IT	P	P	P	P	P	P	A	P		P	26	

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89	811221205013	JAISURYA K	I/IT	P	P	P	P	P	P	A	P		P	28	
90	811221205014	JENANI R	I/IT	P	P	A	P	P	P	A	P	P	P	26	
91	811221205015	KANNAN M	I/IT	P	P	P	A	P	P	P	P	P	P	28	
92	811221205016	KARTHIKRAJA M	I/IT	P	P	P	P	A	P	P	P	P	P	28	
93	811221205017	KAVIN J	I/IT	P	P	A	P	P	A	P	P	P	P	26	
94	811221205018	KAYATHRI S	I/IT	P	P	P	P	A	P	P	P	P	P	28	
95	811221205019	KISHORE M	I/IT	P	P	P	A	P	P	P	P	P	P	27	
96	811221205020	LALITHA K	I/IT	P	P	P	P	P	A	P	P	P	P	28	
97	811221205021	MADHAN S	I/IT	P	P	P	P	P	P	A	P	P	P	29	
98	811221205022	MANIKANDAN M	I/IT	P	P	P	P	P	P	P	P	P	P	30	
99	811221205023	MOHAMED ANAS J	I/IT	P	P	P	P	P	P	P	P	P	P	30	
100	811221205024	MOHAMED ASLAM S	I/IT	P	P	P	P	P	P	A	P	P	P	27	
111	811221205025	MONIKA SRI B	I/IT	P	P	P	A	P	A	P	P	P	P	26	
112	811221205027	NANDHA KUMAR R	I/IT	P	P	A	P	P	P	P	P	P	P	26	
113	811221205029	PRASANNA M	I/IT	P	P	P	P	P	A	P	P	P	P	27	
114	811221205030	ROBINSON R	I/IT	P	P	A	P	P	P	P	A	P	P	26	

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115	811221205031	ROSHINI B	I/IT	P	P	P	P	P	P	A	P	P	P	28	
116	811221205032	SANTHOSH KUMAR P	I/IT	P	P	P	P	A	P	A	P	P	P	26	
117	811221205033	SATHISHKANNAN S	I/IT	P	P	P	P	P	A	P	P	P	P	28	
118	811221205034	SEBASTHIYAN S	I/IT	P	P	P	P	A	P	P	P	P	P	27	
119	811221205035	STEPHEN S	I/IT	P	P	P	P	P	A	P	P	P	P	28	
120	811221205036	SUBASHINI M	I/IT	P	P	P	P	P	P	A	P	P	P	29	
121	811221205037	SUBASRI M	I/IT	P	P	P	P	P	P	P	P	P	P	30	
122	811221205038	SUJHIN R	I/IT	P	P	P	P	P	P	P	P	P	P	30	
123	811221205039	SUMITHA A	I/IT	P	P	P	P	P	P	A	P	P	P	27	
124	811221205041	SURYA JETLY T	I/IT	P	P	P	A	P	A	P	P	P	P	26	
125	811221205042	UDHAYA HARISH B	I/IT	P	P	P	P	P	P	P	P	P	P	30	
126	811221205043	UDHAYANITHI C	I/IT	P	P	P	P	P	A	P	P	P	P	27	
127	811221205044	UMA MAHESWARI R	I/IT	P	P	P	A	P	P	A	P	P	P	26	
128	811221205045	VANITHA G	I/IT	P	P	P	P	P	A	P	P	P	P	28	
129	811221205046	VIDHYA BHARATHI K	I/IT	P	P	A	P	P	P	A	P	P	P	26	
130	811221205047	VIGNESH G	I/IT	P	P	A	P	P	A	P	P	P	P	26	

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131	811221205048	YASAR ARAFATH A	I/IT	P	P	P	P	P	P	P	A	P	P	27	
132	811221105012	HARIHARAN E	I/EEE	P	P	P	P	P	P	A	P	P	P	28	
133	811221105013	HARIHARAN K	I/EEE	P	P	P	P	P	P	A	P	P	P	29	
134	811221105015	KAVIPRIYAN D	I/EEE	P	P	P	P	P	P	P	P	P	P	30	
135	811221105018	LINGESWARAN R	I/EEE	P	P	P	P	P	A	P	P	P	P	27	
136	811221105023	PANDIAN M	I/EEE	P	A	P	P	A	P	P	P	P	P	26	
137	811221105027	SANGILI S	I/EEE	P	P	P	P	A	P	P	P	P	P	27	
138	811221105039	SRIKANTH M	I/EEE	P	A	P	P	P	P	P	A	P	P	26	
139	811221106001	AARTHI S	I/ECE	P	P	P	P	P	P	P	P	P	P	26	
140	811221106002	ANITH APEL J	I/ECE	P	A	P	P	P	P	A	P	P	P	26	
141	811221106003	AROCKIA JENIFER M	I/ECE	P	P	P	A	P	P	P	A	P	P	26	
142	811221106005	DEEPALAKSHMI S	I/ECE	P	P	P	P	P	A	P	P	P	P	27	
143	811221106008	DHINESH BABU C	I/ECE	P	P	P	P	P	P	A	P	P	P	28	
144	811221106012	JAYA KAMAKSHERADHA S	I/ECE	P	P	P	P	P	P	P	A	P	P	29	
145	811221106022	PARKAVI S	I/ECE	P	P	P	P	P	P	P	P	P	P	30	
146	811221106024	PREMKUMAR S	I/ECE	P	P	P	P	P	P	P	P	P	P	30	

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147	811221106033	THAMILARASI C	I/ECE	P	P	A	P	P	P	P	P	P	P	27	
148	811221106034	THRISHA S	I/ECE	P	P	A	P	A	P	P	P	P	P	26	
149	811221106035	VEERAKUMAR R	I/ECE	P	P	P	P	P	P	P	P	P	P	30	
150	811221106036	VELLAISAMY S	I/ECE	P	P	P	P	P	A	P	P	P	P	27	
151	811221106037	VICTORRAJ S	I/ECE	P	P	A	P	P	P	A	P	P	P	26	
152	811221106040	VISHAL V	I/ECE	P	P	P	A	P	P	P	A	P	P	26	


VAC Coordinator


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HoD/S&H



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Department of Science and Humanities

Academic Year 2021-2022 –Odd Semester

VALUE ADDED COURSE ASSESMENT SHEET

“Basic of electrical, plumbing & two wheeler mechanism”

S.NO	REGISTER NUMBER	NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL MARK (100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1	811221108002	ABINAYA R	I/ Agri	30	91	18	72	81
2	811221108007	CHARULATHA V	I/ Agri	27	82	17	68	75
3	811221108011	HARIHARAN M	I/ Agri	26	79	18	72	75
4	811221108013	ILAYARAJA E	I/ Agri	28	85	19	76	80
5	811221108014	JAYASOUNDARYA M	I/ Agri	26	79	18	72	75
6	811221108016	KALPANAPRIYA R	I/ Agri	26	79	18	72	75
7	811221108019	KAVIYA T	I/ Agri	27	82	21	84	83
8	811221108022	KOWSALYA I	I/ Agri	28	85	19	76	80
9	811221108025	PONNIYAMMAL B	I/ Agri	30	91	18	72	81
10	811221108028	RAJABUNISHA M	I/ Agri	27	82	17	68	75
11	811221108029	RAJESH K	I/ Agri	26	79	18	72	75

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12	811221108030	RAJESHWARI D	I/ Agri	28	85	19	76	80
13	811221108031	SAIRAM M	I/ Agri	26	79	18	72	75
14	811221108037	UMAMAHESHWARI R	I/ Agri	26	79	18	72	75
15	811221108040	VIJAYA KRISHNAN G	I/ Agri	27	82	21	84	83
16	811221104001	AKSHAY K	I/CSE	28	85	19	76	80
17	811221104002	BHARATHKUMAR S M	I/CSE	29	88	20	80	84
18	811221104003	BHUVANESHWARI M	I/CSE	30	91	18	72	81
19	811221104004	DHINESH C	I/CSE	27	82	17	68	75
20	811221104005	EYARKAI KAMALI R	I/CSE	26	79	18	72	75
21	811221104006	GOKULNATH P R	I/CSE	28	85	19	76	80
22	811221104007	HARIHARASWAMY M	I/CSE	29	88	20	80	84
23	811221104008	HARISH R	I/CSE	26	79	18	72	75
24	811221104009	HARRISH M	I/CSE	30	91	18	72	81
25	811221104010	HARUN RASHEETH S	I/CSE	27	82	17	68	75
26	811221104011	HEMA T	I/CSE	26	79	18	72	75
27	811221104012	JACOP ANTONY L	I/CSE	28	85	19	76	80
28	811221104013	JEEVANANTHAM S	I/CSE	26	79	18	72	75
29	811221104014	KATHIRVEL K	I/CSE	26	79	18	72	75
30	811221104015	KEERTHANA J	I/CSE	27	82	21	84	83
31	811221104016	KOWSHIK G	I/CSE	28	85	19	76	80
32	811221104017	MADHAN KUMAR P	I/CSE	29	88	20	80	84
33	811221104018	MANIKANDAN N	I/CSE	27	82	21	84	83
34	811221104019	MOHAMED GANI A	I/CSE	28	85	19	76	80
35	811221104020	MOHAMED THOUFIK U	I/CSE	29	88	20	80	84

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

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36	811221104021	MOHAMED YUNUZ R	I/CSE	26	79	18	72	75
37	811221104022	MOHAMMED RISWAAN M	I/CSE	30	91	18	72	81
38	811221104023	NAVEENKUMAR S	I/CSE	27	82	17	68	75
39	811221104024	NITHYA A	I/CSE	26	79	18	72	75
40	811221104025	POORNIMA C	I/CSE	28	85	19	76	80
41	811221104026	PRASANNA BALAJI C	I/CSE	26	79	18	72	75
42	811221104027	PRAVEEN JAYASEELAN B	I/CSE	26	79	18	72	75
43	811221104028	RAJAPUSHPAM V	I/CSE	27	82	21	84	83
44	811221104029	REETHIKA R	I/CSE	26	79	18	72	75
45	811221104030	RESIKA A V R	I/CSE	27	82	21	84	83
46	811221104031	SANTHOSH P	I/CSE	28	85	19	76	80
47	811221104032	SARAVANAPERUMAL S	I/CSE	29	88	20	80	84
48	811221104034	SELVALAKSHMI G	I/CSE	26	79	18	72	75
49	811221104035	SIVAKUMAR P	I/CSE	30	91	18	72	81
50	811221104036	SUDHAKARAN V	I/CSE	27	82	17	68	75
51	811221104037	SUGAVANESHWARAN S	I/CSE	26	79	18	72	75
52	811221104038	SUMAIYA BEGAM S	I/CSE	28	85	19	76	80
53	811221104039	SURIYA R	I/CSE	26	79	18	72	75
54	811221104040	SURUTHI Y	I/CSE	26	79	18	72	75
55	811221104041	SURUTHI M	I/CSE	28	85	19	76	80
56	811221104042	SURYA D	I/CSE	27	82	21	84	83
57	811221104043	SYED ANWAR S	I/CSE	28	85	19	76	80
58	811221104044	THAVAPRIYA S	I/CSE	29	88	20	80	84
59	811221104045	VASANTHADEL S	I/CSE	30	91	18	72	81

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60	811221104046	VENGADESWARI M	I/CSE	30	91	18	72	81
61	811221104047	VIJAY INFANT A	I/CSE	27	82	17	68	75
62	811221104048	VISHWA S	I/CSE	26	79	18	72	75
63	811221104049	YOGAPRIYA N	I/AI&DS	28	85	19	76	80
64	811221243002	ABDUR RAHMAN J	I/AI&DS	26	79	18	72	75
65	811221243004	ARUN KUMAR M	I/AI&DS	26	79	18	72	75
66	811221243006	BHARATH KUMAR R	I/AI&DS	26	79	18	72	75
67	811221243009	DHARANI R	I/AI&DS	28	85	19	76	80
68	811221243013	JAVAHAR NISHA B	I/AI&DS	27	82	21	84	83
69	811221243016	KALAIYARASAN A	I/AI&DS	28	85	19	76	80
70	811221243025	MOHAMED FAHADHU A	I/AI&DS	29	88	20	80	84
71	811221243032	RAKESH S	I/Mech	30	91	18	72	81
72	811221114006	DHANASEKARAN D	I/Mech	30	91	18	72	81
73	811221114008	DHIVAKAR R	I/Mech	27	82	17	68	75
74	811221114014	KANNAN P	I/Mech	26	79	18	72	75
75	811221114022	NAVEEN M	I/Mech	28	85	19	76	80
76	811221114030	SANTHOSH R	I/Mech	26	79	18	72	75
77	811221114038	THIRUPPATHI C	I/IT	26	79	18	72	75
78	811221205001	ANGEL EPSIBA A	I/CSE	28	85	19	76	80
79	811221205002	ARUL ROSELINE A	I/IT	26	79	18	72	75
80	811221205003	ASARUDHEEN K	I/IT	28	85	19	76	80
81	811221205004	BARAKKATH NISHA S	I/IT	27	82	21	84	83
82	811221205005	BRUNDHA P	I/IT	28	85	19	76	80
83	811221205006	CHINNADURAI R	I/IT	29	88	20	80	84

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84	811221205007	DEEPIKA P	I/IT	30	91	18	72	81
85	811221205008	DHEETSIKA V	I/IT	30	91	18	72	81
86	811221205009	DINESH M	I/IT	27	82	17	68	75
87	811221205010	GNANASAMUEL A	I/IT	26	79	18	72	75
89	811221205013	JAISURYA K	I/IT	28	85	19	76	80
90	811221205014	JENANI R	I/IT	26	79	18	72	75
91	811221205015	KANNAN M	I/IT	28	85	19	76	80
92	811221205016	KARTHIKRAJA M	I/IT	28	85	19	76	80
93	811221205017	KAVIN J	I/IT	26	79	18	72	75
94	811221205018	KAYATHRI S	I/IT	28	85	19	76	80
95	811221205019	KISHORE M	I/IT	27	82	21	84	83
96	811221205020	LALITHA K	I/IT	28	85	19	76	80
97	811221205021	MADHAN S	I/IT	29	88	20	80	84
98	811221205022	MANIKANDAN M	I/IT	30	91	18	72	81
99	811221205023	MOHAMED ANAS J	I/IT	30	91	18	72	81
100	811221205024	MOHAMED ASLAM S	I/IT	27	82	17	68	75
111	811221205025	MONIKA SRI B	I/IT	26	79	18	72	75
112	811221205027	NANDHA KUMAR R	I/IT	26	79	18	72	75
113	811221205029	PRASANNA M	I/IT	27	82	17	68	75
114	811221205030	ROBINSON R	I/IT	26	79	18	72	75
115	811221205031	ROSHINI B	I/IT	28	85	19	76	80
116	811221205032	SANTHOSH KUMAR P	I/IT	26	79	18	72	75
117	811221205033	SATHISHKANNAN S	I/IT	28	85	19	76	80
118	811221205034	SEBASTHIYAN S	I/IT	27	82	21	84	83

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119	811221205035	STEPHEN S	I/IT	28	85	19	76	80
120	811221205036	SUBASHINI M	I/IT	29	88	20	80	84
121	811221205037	SUBASRI M	I/IT	30	91	18	72	81
122	811221205038	SUJHIN R	I/IT	30	91	18	72	81
123	811221205039	SUMITHA A	I/IT	27	82	17	68	75
124	811221205041	SURYA JETLY T	I/IT	26	79	18	72	75
125	811221205042	UDHAYA HARISH B	I/IT	30	91	18	72	81
126	811221205043	UDHAYANITHI C	I/IT	27	82	17	68	75
127	811221205044	UMA MAHESWARI R	I/IT	26	79	18	72	75
128	811221205045	VANITHA G	I/IT	28	85	19	76	80
129	811221205046	VIDHYA BHARATHI K	I/IT	26	79	18	72	75
130	811221205047	VIGNESH G	I/IT	26	79	18	72	75
131	811221205048	YASAR ARAFATH A	I/EEE	27	82	21	84	83
132	811221105012	HARIHARAN E	I/EEE	28	85	19	76	80
133	811221105013	HARIHARAN K	I/EEE	29	88	20	80	84
134	811221105015	KAVIPRIYAN D	I/EEE	30	91	18	72	81
135	811221105018	LINGESWARAN R	I/EEE	27	82	17	68	75
136	811221105023	PANDIAN M	I/EEE	26	79	18	72	75
137	811221105027	SANGILI S	I/EEE	27	82	17	68	75
138	811221105039	SRIKANTH M	I/ECE	26	79	18	72	75
139	811221106001	AARTHI S	I/ECE	26	79	18	72	75
140	811221106002	ANITH APEL J	I/ECE	26	79	18	72	75
141	811221106003	AROCKIA JENIFER M	I/ECE	26	79	18	72	75
142	811221106005	DEEPALAKSHMI S	I/ECE	27	82	21	84	83

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143	811221106008	DHINESH BABU C	I/ECE	28	85	19	76	80
144	811221106012	JAYA KAMAKSHERADHA S	I/ECE	29	88	20	80	84
145	811221106022	PARKAVI S	I/ECE	30	91	18	72	81
146	811221106024	PREMKUMAR S	I/ECE	30	91	18	72	81
147	811221106033	THAMILARASI C	I/ECE	27	82	17	68	75
148	811221106034	THRISHA S	I/ECE	26	79	18	72	75
149	811221106035	VEERAKUMAR R	I/ECE	30	91	18	72	81
150	811221106036	VELLAISAMY S	I/ECE	27	82	17	68	75
151	811221106037	VICTORRAJ S	I/ECE	26	79	18	72	75
152	811221106040	VISHAL V	I/ECE	26	79	18	72	75


VAC Coordinator


HoD/S&H


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CERTIFICATE OF PARTICIPATION

This is to certify that **MR. RAJESH K**, I Year, Agri has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.


Surya solar
Mr. G. Vijayan
Operation manager.


Dr. G. Balakrishnan, M.E., Ph.D.,
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This is to certify that **MR. SURYA D**, I Year, CSE has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

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Mr. G. Vijayan
Operation manager.

Principal

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CERTIFICATE OF PARTICIPATION

This is to certify that **MR. VISHAL V**, I Year, ECE has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

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This is to certify that **Ms. KAVIYA T**, 1 Year, AGRI has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.


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Operation manager.


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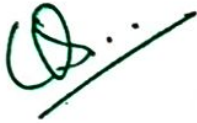
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This is to certify that **MR. GOKUL NATH**, I Year, CSE has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

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This is to certify that **MR. BHARATH KUMAR**, I Year, CSE has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.


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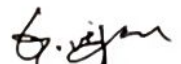
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This is to certify that **MR. HARISH**, I Year, CSE has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.


Surya solar
Mr. G. Vijayan
Operation manager.




Principal

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This is to certify that **MR. VIJAYA KRISHNAN**, 1 Year, AGRI has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

G. Vijayan
Surya solar
Mr. G. Vijayan
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Principal

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CERTIFICATE OF PARTICIPATION

This is to certify that **Ms. RAJAESWARI D**, 1 Year, AGRI has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

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CERTIFICATE OF PARTICIPATION

This is to certify that **MR. ABDUL RAHMAN**, 1 Year, AI&DS has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

G. vijan
Surya solar
Mr. G. Vijayan
Operation manager.

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CERTIFICATE OF PARTICIPATION

This is to certify that **MR. AJITH**, I Year, Agri has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5 days) during the Academic year 2021-2022.

Surya solar
Mr. G. Vijayan
Operation manager.

Principal

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CERTIFICATE OF PARTICIPATION

This is to certify that **MR. DHANASEKARAN D**, 1 Year, Mech has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

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This is to certify that **MR. KALAIYARASAN**, I Year, AI&DS has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.


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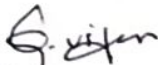
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This is to certify that **MR. SEBASTHIYAN S**, I Year, IT has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.


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This is to certify that **MR. SURYA JESTY T**, I Year, IT has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

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This is to certify that **MR. AJITH APEL J.**, 1 Year, IT has successfully completed the Value Added Course on **“BASIC OF ELECTRICAL, PLUMBING & TWO WHEELER MECHANISM”** Organized by Department of Science and Humanities and IQAC of our Institution in Association with **Surya solar** from 13th DEC 2021 to 17th DEC 2021 (5days) during the Academic year 2021-2022.

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Name of the Student:

Madhan Kumar.P

Year/Sem:

I / I

AU Register Number:

811 22 1104017

Value Added Course

“Basic of electrical, plumbing & two wheeler mechanism”

MULTIPLE CHOICE QUESTIONS (25 X 4 = 100 Marks)

20
—
25

1. Which of the following elements of electrical engineering cannot be analyzed using Ohm's law?

- a) Capacitors
- b) Inductors
- c) Transistors
- d) Resistance

2. What is constant for a charged spherical shell according to basic electrical energy?

- a) Electrical potential outside the spherical shell
- b) Electrical potential inside the spherical shell
- c) Electrical field outside the spherical shell
- d) Electrical field inside the spherical shell

3. Which of the following according to fundamentals of electrical energy is correct about alternating current?


- a) Frequency is zero
- b) Magnitude changes with time
- c) Can be transported to larger distances with less loss in power
- d) Flows in both directions

4. What will be the direction of the drift velocity of electrons change with respect to the electric field?

- a) same as that of electric field
- b) opposite to that of electric field
- c) perpendicular to that of the electric field in a positive direction
- d) perpendicular to that of the electric field in a negative direction

5. What is zero for a charged spherical shell?

- a) Electrical potential outside the spherical shell
- b) Electrical potential inside the spherical shell
- c) Electrical field outside the spherical shell
- d) Electrical field inside the spherical shell


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6. What kind of quantity is an Electric potential?

- a) Vector quantity
- b) Tensor quantity
- c) Scalar quantity
- d) Dimensionless quantity

7. Which of the following will happen in a transformer when the number of secondary turns is less than the number of primary turns?

- a) The voltage gets stepped up
- b) The voltage gets stepped down
- c) The power gets stepped up
- d) The power gets stepped down

8. A ___ is a measuring tape consisting of a long, continuous steel strip that is graduated in standard increments.

- a) Coil
- b) Reel
- c) Blade lock
- d) Steel tape

9. A plumb bob is a cone shaped metal weight fastened to a string that is used to establish a true _____.

- a) Transfer plane
- b) Horizontal plane
- c) Plumb line
- d) Base

10. A ___ level with a magnetic base may be attached to cast iron soil and steel pipe.


- a) Transit
- b) Torpedo
- c) Digital
- d) Sensor

11. A 6-in-1 screw driver is equipped with _____.

- a) Straight bits
- b) Philips bits
- c) Nut drivers
- d) All of the above

12. A ___ is an assembly for holding pipe in place during cutting, threading, or grooving operations.

- a) Pipe vise
- b) Grip vise
- c) Chain grip
- d) Slip joint


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20. The following is not a Friction clutch

- a) Clutch
- b) Centrifugal clutch
- c) Cone clutch
- d) Disc clutch

✗

21. The following is known as positive clutch

- a) Single plate clutch
- b) Cone clutch
- c) Dog clutch
- d) Centrifugal clutch

✗

22. The following type of arrangement is used in synchromesh type gear box

- a) Single plate clutch
- b) Fluid clutch
- c) Dog clutch
- d) Semi-centrifugal clutch

✓

23. Brake lining is mounted on

- a) Wheel cylinder
- b) Master cylinder
- c) Brake drum
- d) Brake shoe

✗

24. In a two stroke scooter, engine the cylinder is lubricated


- a) Mixing lubricating oil in the fuel
- b) Lubrication plug
- c) Splash lubrication
- d) Pressure lubrication

✓

25. Automobiles gears are generally made of

- a) Alloy steel
- b) Brass
- c) Cast iron
- d) Stainless steel

✗


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