



Vidya Jyothi Institute of Technology

An Autonomous Institution

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Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

Four Project Reports of Different types along with Evaluation Records Including Rubrics and its Implementation



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Department of Electrical & Electronics Engineering

SAMPLE PROJECT REPORTS

S.No	Academic Year	Title of the Project
1	2020-21	Design And Development Of Suitable Electric Vehicle Motor For Urban Transportation
2	2020-21	Design of Solar Cooker for Different Cooking Applications
3	2019-20	GenZe-20
4	2019-20	IOT Based Power Management and Controlled Socket

Head of the Department
Department of Electrical & Electronics Engg
Vidya Jyothi Institute of Technology
HYDERABAD-500 075.

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Himayatnagar (VIII), C.B. Post.,
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Department of Electrical & Electronics Engineering

Rubrics developed to validate POs for Major Project

POs	Rubrics	Reviews	MARKS
Project Review I			
PO1 PO2 PO3 PO6 PO7 PO8 PO9 PO11 PSO1 PSO2	I	Understanding background and topic	3M
	II	Specific Project goals	2M
	III	Literature Survey	2M
	IV	Project Planning	4M
	V	Presentation skills	4M
Project Review II			
PO1 to PO12 PSO1 PSO2	I	Specific Project goals	2M
	II	Specific testing platforms and bench mark systems	3M
	III	Project Planning	2M
	IV	Technical Design	3M
	V	Summary of the findings of Project	2M
	VI	Presentation Skills	3M
Final Project Review			
PO1 to PO12 PSO1 PSO2	I	Abstract	2M
	II	Research Methodology	4M
	III	Results obtained and performance Evaluation	5M
	IV	Pre - final draft of entire project	5M
	V	Presentation skills	4M
Total Marks			50M

Mapping of Review with COs

	CO 1	CO2	CO3	CO4
Project Review I	3	2	2	2
Project Review II	-	3	3	3
Final Project Review	3	3	3	3
	3	2.66	2.66	2.66

[Signature]
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Department of Electrical & Electronics Engg
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Department of Electrical & Electronics Engineering

CO-PO Mapping of Project in the area of “Application of Electrical Energy in Transport Sector”

Title of the Project: Design and Development of Suitable Electric Vehicle Motor for Urban Transportation

Area of the Project: Power Semiconductor Drives

Methodology: Product Development

Name of the Supervisor: Dr.A.Srujana

Name of the Students: A.Sai charan(17911A0202)

Y.Sai Raghunath(17911A0248)

M.Dayakar(17911A0228)

A.Joshna(17911A0201)

Abstract: In this project, different electric motors are studied and compared to see the benefits of each motor and the one that is more suitable to be used in the electric vehicle (EV) applications. There are five main electric motor types, DC, induction, permanent magnet synchronous, switched reluctance and brushless DC motors are studied. It is concluded that although the induction motors technology is more mature than others, for the EV applications the brushless DC and permanent magnet motors are more suitable than others. The use of these motors will result in less pollution, less fuel consumption and higher power to volume ratio. The reducing prices of the permanent magnet materials and the trend of increasing efficiency in the permanent magnet and brushless DC motors make them more and more attractive for the EV applications.

In This project also deals with the advantages and uses of BLDC Motor in urban transportation. It also consists of a detailed study of motors and it also consists of how BLDC Motor is different from other motors.

Automotive Industry is targeting sustainable transportation in near future. Therefore hybrid and electric vehicles are going to be popular due to their sustainability, energy saving and zero emission. Electric motors play significant role in EV's. In-wheel motor technology is being used in modern electric vehicles to improve efficiency, safety and controllability of vehicle nowadays. BLDC motor have been demanding as in-wheel motor in electric vehicles because of high efficiency, desired torque versus speed characteristics, high power density and low maintenance cost. In this paper BLDC motor with ideal back-EMF is modelled and simulated in MATLAB / SIMULINK. Simulation model of the controller and BLDC drive

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Aziz Nagar, Hyderabad -500075

Major Project

Report On

**DESIGN AND DEVELOPMENT OF SUITABLE ELECTRIC VEHICLE MOTOR
FOR URBAN TRANSPORTATION**

Submitted for partial fulfillment of the requirements for the award of the degree

of

**BACHELOR OF
TECHNOLOGY IN
ELECTRICAL AND ELECTRONICS
ENGINEERING**

BY

Mr. A. SAI CHARAN (17911A0202)

Mr. Y. SAI RAGHUNATH (17911A0248)

Mr. M. DAYAKAR (17911A0228)

Ms. A. JOSHNA (17911A0201)

Under the guidance of

Dr. A.SRUJANA

Professor

Department of Electrical and Electronics Engineering

VJIT, Hyderabad.



Department of Electrical and Electronics Engineering

A. para

Head of the Department
Department of Electrical & Electronics Engg
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A. P. Rao

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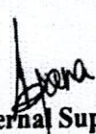
Himayathnagar (vi), C.B. Post, R.R Dist. 500075



CERTIFICATE

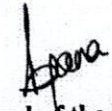
This is to certify that the project work entitled "**DESIGN AND DEVELOPMENT OF SUITABLE ELECTRIC VEHICLE MOTOR FOR URBAN TRANSPORTATION**" is a bonafide work carried out by **Mr. A. Sai Charan(17911A0202)**, **Mr. Y. Sai Raghunath (17911A0248)**, **Mr. M. Dayakar(17911A0228)**, **Ms. A. Joshna(1791A0201)** in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS ENGINEERING** to be awarded by the **JAWAHARLAL NEHRU TECHNOLOGICALUNIVERSITY, Hyderabad.**

The content in this report has not been submitted to any other university or institute for the award of any degree or diploma.


Internal Supervisor

Department EEE

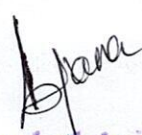
Hyderabad


Head of the Department

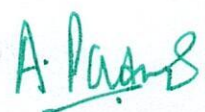
Department EEE

Hyderabad


External Examiner


Head of the Department

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Department of Electrical & Electronics Engineering

Course Outcomes

MP-II	MAJOR PROJECT
	A student will be able to
C426.1	Examine , Discuss and make links across different core areas of Knowledge
C426.2	Investigate and identify required areas, ideate, plan, design and develop models/prototype for the benefit of the society
C426.3	Categorize the domains / disciplines involved and work on them individually and collaborate as a team
C426.4	Make effective presentation, documentation and enhance verbal and writing skills

CO – PO Mapping

A282P2	MAJOR PROJECT											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C426.1	3	3	3	3	-	-	-	-	-	-	-	3
C426.2	3	3	3	3	3	3	3	3	3	3	3	3
C426.3	3	3	-	-	-	3	3	3	3	3	3	-
C426.4	3	-	-	-	3	-	-	-	-	3	-	3
	3	3	3	3	3	3	3	3	3	3	3	3


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(Aziz Nagar, C.B.Post, Hyderabad -500075)

PROJECT REVIEW-I

I	Understanding background and topic (3M)
II	Specific Project goals (2M)
III	Literature Survey (2M)
IV	Project Planning (4M)
V	Presentation skills (4M)

Avg Marks
SECTION-B

AY : 2020-21

S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	Reviewer 1	Reviewer 2	Reviewer 3	Total Marks (15M)
1	17911A0202	A.Sai charan	Design and development of suitable electric vehicle motor for urban transportation	11	13	12	12
2	17911A0248	Y.Sai Raghunath		13	15	14	14
3	17911A0228	M.Dayakar		9	11	10	10
4	17911A0201	A.Joshna		11	13	12	12
5	17911A0232	N.Ruthvik Varma	Simulation of 3-wheeled solar powered electric vehicle	13	15	14	14
6	17911A0233	ND Rao		11	13	12	12
7	17911A0245	V.Rakesh		12	14	13	13
8	18915A0222	Venu Madhav		11	13	12	12
9	17911A0216	D.Anil sai	Study of solar energy driven electric vehicle with lead acid battery	11	13	12	12
10	17911A0220	J.Praveen Kumar		10	12	11	11
11	17911A0247	V.Pranay Reddy		10	12	11	11
12	17911A0242	T.Sai Pranay		10	12	11	11
13	17911A02A0	U.Shiva Kumar	Design of battery charging technology for electric vehicles and grid integration	13	15	14	14
14	17911A0296	S.Jithendra		12	14	13	13
15	17911A0298	S.Karthik		10	12	11	11
16	17911A0282	M.Bhanu Gupta		9	11	10	10
17	17911A02A2	A.Sri Priya Reddy	Speed control of BLDC motor for electrical vehicles	11	13	12	12
18	17911A0230	N.Anil Kumar		9	11	10	10
19	17911A0241	T. Sai Siddardha		8	10	9	9
20	17911A0280	M.Sneha		11	13	12	12
21	17911A0294	Sangishetty Vinay	Design and Assessment of Battery Electric Vehicle Powertrain, with Respect to Performance, Energy Consumption, and Electric Motor Thermal Capability	11	13	12	12
22	17911A0291	Papanna Ratna teja		10	12	11	11
23	18915A0242	Tokapur Avinash		11	13	12	12
24	17911A0271	Kappala srinivas		11	13	12	12
25	18915A0232	P.YASHWANTH KUMAR	RFID based Shopping Trolley	11	13	12	12
26	18915A0225	M.VIKAS		9	11	10	10
27	17911A0277	K.NIREEKSHAN NISHI		9	11	10	10
28	18915A0230	P.MANI KRISHNA		11	13	12	12

29	17911A0244	VADLA SWETHA	CV SAG SENSOR	10	12	11	11
30	18915A0234	PRANAY ALLURI		11	13	12	12
31	17911A0243	JYOTHI UPPARAPALLY		10	12	11	11
32	17911A0237	SREENIJA SURAGONI		11	13	12	12
33	18915A0206	D. N.V.TARUN	RFID BASED INTELLIGENT BUS TRANSPORT MANAGEMENT AND MONITORING SYSTEM	10	12	11	11
34	18915A0207	D.VINAY		10	12	11	11
35	16911A0289	R.SHIVA CHARAN		9	11	10	10
36	18915A0209	D.VENKATESH		8	10	9	9
37	17911A0240	SUREDDY NAVITHA REDDY	GARBAGE MONITORING SYSTEM USING IOT	11	13	12	12
38	17911A0205	B.KRISHNA CHAITANYA		10	12	11	11
39	18915A0221	K.ARAVIND REDDY		10	12	11	11
40	18915A0204	B.HARIKA		9	11	10	10
41	17911A0234	PEDAPAGA CAREY ISRAEL	Hybrid Solar wind energy system with dual axi	11	13	12	12
42	18915A0213	GURRAM ANIL KUMAR		11	13	12	12
43	17911A0218	GUDIPUDI NAVYA SRI		10	12	11	11
44	17911A0261	DURGAM SAI KUMAR		10	12	11	11
45	16911A0239	Nikhil Isaac Manka	Minimizing penalty in industrial power consumption by engaging APFC unit	11	13	12	12
46	17911A0221	k Manoj		10	12	11	11
47	18915A0220	K Abhishek		9	11	10	10
48	17911A0206	B Vishal Pawar		10	12	11	11
49	17911A0225	M.KRISHNA YADAV	IOT based remote prepaid car parking system u	11	13	12	12
	17911A0227	M.MANOJ		11	13	12	12
51	16911A0232	M.SHIVA		10	12	11	11
52	16911A0217	K.PRAVEEN KUMAR		9	11	10	10
53	17911A0275	K MANI CHAITANYA	Design and Development of Energy management System for Small scal Hybrid wind solar battery based Micro Grid	11	13	12	12
54	17911A0279	M GIRISH		11	13	12	12
55	17911A0270	K.Rahul		10	12	11	11
56	17911A0257	Ch. Sai Eshwar Reddy		10	12	11	11
57	17911A0259	D. Mallikarjun	Design of Solar Cooker for different cooking applications	11	13	12	12
58	17911A0286	MD FERAZ		11	13	12	12
59	17911A0288	N.Sai Kumar		10	12	11	11
60	18915A0241	T HAVELLA	HIGH PERFORMANCE CASCADED MULTILEVEL INVERTER FED BRUSHLESS DC MOTOR DRIVE	8	10	9	9
61	17911A0256	CH RAVI TEJA		8	10	9	9
62	16911A0242	D RISHIKESH		8	10	9	9
63	16911A0206	B SATISH		8	10	9	9
64	17911A0297	S KRISHNASRI		AB	AB	AB	AB

Project Coordinator

(Sushaker Reddy)

HOD/EEE



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PROJECT REVIEW-II

Section - B

S.No	R.T.NO	NAME OF THE STUDENT	PROJECT TITLE	Reviewer 1	Reviewer 2	Reviewer 3	Total Marks(15 M)
1	17911A0202	A Sai charan	Design and development of suitable electric vehicle motor for urban transportation	14	13	12	13
2	17911A0248	Y. Sai Raghunath		15	14	13	14
3	17911A0228	M. Dayakar		11	10	9	10
4	17911A0201	A. Joshna		12	11	10	11
5	17911A0232	N. Ruthvik Varma	Simulation of 3-wheeled solar powered electric vehicle	15	14	13	14
6	17911A0233	ND Rao		14	13	12	13
7	17911A0245	V. Rakesh		14	13	12	13
8	18915A0222	Venu Madhav		12	11	10	11
9	17911A0216	D. Anil sai	Study of solar energy driven electric vehicle with lead acid battery	12	11	10	11
10	17911A0220	J. Praveen Kumar		12	11	10	11
11	17911A0247	V. Pranay Reddy		12	11	10	11
12	17911A0242	T. Sai Pranay		12	11	10	11
13	17911A02A0	U. Shiva Kumar	Design of battery charging technology for electric vehicles and grid integration	15	14	13	14
14	17911A0296	S. Jithendra		14	13	12	13
15	17911A0298	S. Karthik		12	11	10	11
16	17911A0282	M. Bhanu Gupta		11	10	9	10
17	17911A02A2	A. Sri Priya Reddy	Speed control of BLDC motor for electrical vehicles	12	11	10	11
18	17911A0230	N. Anil Kumar		11	10	9	10
19	17911A0241	T. Sai Siddardha		11	10	9	10
20	17911A0280	M. Sneha		12	11	10	11
21	17911A0294	Sangishetty Vinay	Design and Assessment of Battery Electric Vehicle Powertrain, with Respect to Performance, Energy Consumption, and Electric Motor Thermal Capability	12	11	10	11
22	17911A0291	Papanna Ratna teja		12	11	10	11
23	18915A0242	Tokapur avinash		14	13	12	13
24	17911A0271	Kappala srinivas		12	11	10	11
25	18915A0232	P. YASHWANTH KUMAR	RFID based Shopping Trolley	12	11	10	11
26	18915A0225	M. VIKAS		11	10	9	10
27	17911A0277	K. NIREEKSHAN NISHI		11	10	9	10
28	18915A0230	P. MANI KRISHNA		12	11	10	11
29	17911A0244	VADLA SWETHA	CV SAG SENSOR	12	11	10	11
30	18915A0234	PRANAY ALLURI		12	11	10	11
31	17911A0243	JYOTHI UPPARAPALLY		12	11	10	11
32	17911A0237	SREENIJA SURAGONI		12	11	10	11

33	18915A0206	D. N.V.TARUN	RFID BASED INTELLIGENT BUS TRANSPORT MANAGEMENT AND MONITORING SYSTEM	12	11	10	11
34	18915A0207	D.VINAY		12	11	10	11
35	16911A0289	R.SHIVA CHARAN		11	10	9	10
36	18915A0209	D.VENKATESH		11	10	9	10
37	17911A0240	SUREDDY NAVITHA REDDY	GARBAGE MONITORING SYSTEM USING IOT	14	13	12	13
38	17911A0205	B.KRISHNA CHAITANYA		12	11	10	11
39	18915A0221	K.ARAVIND REDDY		12	11	10	11
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41	17911A0234	PEDAPAGA CAREY ISRAEL	Hybrid Solar wind energy system with dual axis	14	13	12	13
42	18915A0213	GURRAM ANIL KUMAR		12	11	10	11
43	17911A0218	GUDIPUDI NAVYA SRI		12	11	10	11
44	17911A0261	DURGAM SAI KUMAR		12	11	10	11
45	16911A0239	Nikhil Isaac Manka	Minimizing penalty in industrial power consumption by engaging APFC unit	12	11	10	11
46	17911A0221	k Manoj		12	11	10	11
47	18915A0220	K Abhishek		11	10	9	10
48	17911A0206	B Vishal Pawar		12	11	10	11
49	17911A0225	M.KRISHNA YADAV	IOT based remote prepaid car parking system u	14	13	12	13
50	17911A0227	M.MANOJ		14	13	12	13
51	16911A0232	M.SHIVA		12	11	10	11
52	16911A0217	K.PRABEEN KUMAR		11	10	9	10
53	17911A0275	K MANI CHAITANYA	Design and Development of Energy management System for Small scal Hybrid wind solar battery based Micro Grid	12	11	10	11
54	17911A0279	M GIRISH		14	13	12	13
55	17911A0270	K.Rahul		12	11	10	11
56	17911A0257	Ch. Sai Eshwar Reddy		12	11	10	11
57	17911A0259	D. Mallikarjun	Design of Solar Cooker for different cooking applications	14	13	12	13
58	17911A0286	MD FEROZ		12	11	10	11
59	17911A0288	N.Sai Kumar		12	11	10	11
60	18915A0241	T HAVELLA		11	10	9	10
61	17911A0256	CH RAVI TEJA	HIGH PERFORMANCE CASCADED MULTILEVEL INVERTER FED BRUSHLESS DC MOTOR DRIVE	11	10	9	10
62	16911A0242	D RISHIKESH		10	9	8	9
63	16911A0206	B SATISH		11	10	9	10
64	17911A0297	S KRISHNASRI		AB	AB	AB	AB

Project Coordinator

HOD/EEE



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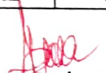
(Aziz Nagar, C.B.Post, Hyderabad -500075)

FINAL PROJECT REVIEW

S.No	R.T.NO	NAME OF THE STUDENT	PROJECT TITLE	Reviewer 1	Reviewer 2	Reviewer 3	Total Marks(20M)	50M
1	17911A0202	A Sai charan	Design and development of suitable electric vehicle motor for urban transportation	16	15	17	16	41
2	17911A0248	Y.Sai Raghunath		18	17	19	18	46
3	17911A0228	M.Dayakar		14	13	15	14	34
4	17911A0201	A.Joshna		16	15	17	16	39
5	17911A0232	N.Ruthvik Varma	Simulation of 3-wheeled solar powered electric vehicle	18	17	18	18	46
6	17911A0233	ND Rao		16	15	17	16	41
7	17911A0245	V.Rakesh		17	16	18	17	43
8	18915A0222	Venu Madhav		16	15	17	16	39
9	17911A0216	D.Anil sai	Study of solar energy driven electric vehicle with lead acid battery	16	15	17	16	39
10	17911A0220	J.Praveen Kumar		14	13	15	14	36
11	17911A0247	V.Pranay Reddy		14	13	15	14	36
12	17911A0242	T.Sai Pranay		14	13	15	14	36
13	17911A02A0	U.Shiva Kumar	Design of battery charging technology for electric vehicles and grid integration	18	17	18	18	46
14	17911A0296	S.Jithendra		17	16	18	17	43
15	17911A0298	S.Karthik		14	13	15	14	36
16	17911A0282	M.Bhanu Gupta		14	13	15	14	34
17	17911A02A2	A.Sri Priya Reddy	Speed control of BLDC motor for electrical vehicles	16	15	17	16	39
18	17911A0230	N.Anil Kumar		14	13	15	14	34
19	17911A0241	T. Sai Siddardha		12	11	13	12	31
20	17911A0280	M.Sneha		16	15	17	16	39
21	17911A0294	Sangishetty Vinay	Design and Assessment of Battery Electric Vehicle Powertrain, with Respect to Performance, Energy Consumption, and Electric Motor Thermal Capability	16	15	17	16	39
22	17911A0291	Papanna Ratna teja		14	13	15	14	36
23	18915A0242	Tokapur avinash		16	15	17	16	41
24	17911A0271	Kappala srinivas		16	15	17	16	39
25	18915A0232	P.YASHWANTH KUMAR	RFID based Shopping Trolley	16	15	17	16	39
26	18915A0225	M.VIKAS		14	13	15	14	34
27	17911A0277	K.NIREEKSHAN NISHI		14	13	15	14	34
28	18915A0230	P.MANI KRISHNA		16	15	17	16	39
29	17911A0244	VADLA SWETHA	CV SAG SENSOR	14	13	15	14	36
30	18915A0234	PRANAY ALLURI		16	15	17	16	39
31	17911A0243	JYOTHI UPPARAPALLY		14	13	15	14	36
32	17911A0237	SREENIJA SURAGONI		16	15	17	16	39

33	18915A0206	D. N.V.TARUN	RFID BASED INTELLIGENT BUS TRANSPORT MANAGEMENT AND MONITORING SYSTEM	14	13	15	14	36
34	18915A0207	D.VINAY		14	13	15	14	36
35	16911A0289	R.SHIVA CHARAN		14	13	15	14	34
36	18915A0209	D.VENKATESH		12	11	13	12	31
37	17911A0240	SUREDDY NAVITHA REDDY	GARBAGE MONITORING SYSTEM USING IOT	16	15	17	16	41
38	17911A0205	B.KRISHNA CHAITANYA		14	13	15	14	36
39	18915A0221	K.ARAVIND REDDY		14	13	15	14	36
40	18915A0204	B.HARIKA		14	13	15	14	34
	17911A0234	PEDAPAGA CAREY ISRAEL	Hybrid Solar wind energy system with dual axis sola	16	15	17	16	41
42	18915A0213	GURRAM ANIL KUMAR		16	15	17	16	39
43	17911A0218	GUDIPUDI NAVYA SRI		14	13	15	14	36
44	17911A0261	DURGAM SAI KUMAR		14	13	15	14	36
45	16911A0239	Nikhil Isaac Manka	Minimizing penalty in industrial power consumption by engaging APFC unit	16	15	17	16	39
46	17911A0221	k Manoj		14	13	15	14	36
47	18915A0220	K Abhishek		14	13	15	14	34
48	17911A0206	B Vishal Pawar		14	13	15	14	36
49	17911A0225	M.KRISHNA YADAV	IOT based remote prepaid car parking system using	16	15	17	16	41
50	17911A0227	M.MANOJ		16	15	17	16	41
51	16911A0232	M.SHIVA		14	13	15	14	36
52	16911A0217	K.PRAVEEN KUMAR		14	13	15	14	34
53	17911A0275	K MANI CHAITANYA	Design and Development of Energy management System for Small scal Hybrid wind solar battery based Micro Grid	16	15	17	16	39
54	17911A0279	M GIRISH		16	15	17	16	41
55	17911A0270	K.Rahul		14	13	15	14	36
56	17911A0257	Ch. Sai Eshwar Reddy		14	13	15	14	36
57	17911A0259	D. Mallikarjun	Design of Solar Cooker for different cooking applications	16	15	17	16	41
58	17911A0286	MD FEROUZ		16	15	17	16	39
59	17911A0288	N.Sai Kumar		14	13	15	14	36
60	18915A0241	T HAVELLA	HIGH PERFORMANCE CASCADED MULTILEVEL INVERTER FED BRUSHLESS DC MOTOR DRIVE	12	11	13	12	31
61	17911A0256	CH RAVI TEJA		12	11	13	12	31
62	16911A0242	D RISHIKESH		12	11	13	12	30
63	16911A0206	B SATISH		12	11	13	12	31
64	17911A0297	S KRISHNASRI		AB	AB	AB	AB	0


Project Coordinator


HOD/EEE



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Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

CO-Attainment

				Project Internal Reviews			Project External
S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	Total Marks (15M)	Total Marks (15M)	Total Marks (20M)	Project Viva Voce (150M)
1	17911A0202	A.Sai charan	Design and development of suitable electric vehicle motor for urban transportation	12	13	16	140
2	17911A0248	Y.Sai Raghunath		14	14	18	147
3	17911A0228	M.Dayakar		10	10	14	133
4	17911A0201	A.Joshna		12	11	16	138
		Average marks		12	12	16	140
		No of students attempted		4	4	4	4
		%of students scored 60% and above		100.00	100.00	100.00	100.00
		CO ATTAINMENT LEVEL		3	3	3	3

ASSESSMENT OF COs FOR THE COURSE						
CO	Review	value	Average	Internal Exam	External Exam	Overall CO Attainment
CO 1	Project Review I	3.0	3.00	2.75	3.00	2.94
	Final Review	3.0				
CO 2	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				
CO 3	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				
CO 4	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				



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Department of Electrical & Electronics Engineering

CO-PO Mapping of Project in the area of "Application of Solar Energy in Domestic Sector"

Title of the Project: Design of Solar Cooker for Different Cooking Applications

Area of the Project: Renewable Energy Sources

Methodology: Product

Name of the Supervisor: Dr.A.Srujana

Name of the Students: D. Mallikarjun (17911A0259)

MD Feroz (17911A0286)

N.Sai Kumar (17911A0288)

Abstract: Alternate source of energy is always a green approach of energy consumption, in the time of crises of energy and global warming. Use of solar energy for cooking is better solution, but still not established as user friendliness and economic aspect. Food is the basic need of human being. Food can be cooked with conventional fuels like wood, cow-dung, kerosene, Liquid Petroleum Gas (LPG) and electricity. Solar cooker is clean and eco-friendly energy device for cooking. There are large number of solar cookers designed and developed by the scientists and researchers all over the world but still the utilization of solar cooker is not sufficient. There are many reasons for the insufficient uses of solar cooker like, its bulky size, heavy weight, lack of open place, slow cooking, fixed timing for cooking, less awareness etc. In this paper different solar cookers like solar panel cooker, solar parabolic cooker, solar box type cooker and hybrid solar cooker etc. are discussed in detail. Still lot of modifications are required to make the solar cooker user friendly, lighter in weight, smaller in size and still economic.

Development of a photovoltaic and thermal hybrid solar cooker has started a new horizon in the field of solar cookers as the cooking is faster than conventional box type solar cooker and can be used at users convenient time. The cooker was converted into solar dryer by small modification and was used for drying vegetables. Still lots of scopes are there for research in solar cooker especially for small size domestic solar.

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Hyderabad-75.

Vidya Jyothi Institute of Technology (Autonomous)

Aziz Nagar, Hyderabad - 500075

A Project Report On

DESIGN OF SOLAR COOKER FOR DIFFERENT COOKING APPLICATIONS

Submitted for partial fulfillment of the requirements for the award of the degree of

**BACHELOR OF TECHNOLOGY IN
ELECTRICAL AND ELECTRONICS ENGINEERING**

BY

Mr. MOHAMMED FEROZ (17911A0286)

Mr. N. SAI KUMAR (17911A0288)

Mr.D.MALLIKARJUN (17911A0259)

guidelines of

Mrs.Dr. A. SRUJANA. M Tech,Ph.D

Professor & HOD

Department of Electrical and Electronics Engineering

VJIT, Hyderabad.



Srujana

Head of the Department
Department of Electrical & Electronics Engg
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A. Prakash

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Hyderabad-75.

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Himayathnagar (vi), C.B. Post, R.R Dist.500075

CERTIFICATE

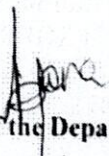
This is to certify that the dissertation entitled to "**Design of solar cooker for different cooking applications**" is a bonafide work carried out by **Mr. MOHAMMED FEROUZ (17911A0286)**, **Mr. N SAI KUMAR (17911A0288)**, **Mr.D. MALLIKARJUN (17911A0259)** in partial fulfillment for the award of **BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS ENGINEERING** to be awarded by **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD.**

The content in this report has not been submitted to any other university or institute for the award of any degree or diploma.



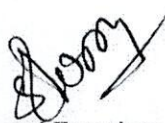
Internal Supervisor

Department of Electrical and
Electronics Engineering
Hyderabad.

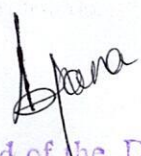


Head of the Department

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External Examiner



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Department of Electrical & Electronics Engineering

Course Outcomes

MP-II	MAJOR PROJECT
	A student will be able to
C426.1	Examine , Discuss and make links across different core areas of Knowledge
C426.2	Investigate and identify required areas, ideate, plan, design and develop models/prototype for the benefit of the society
C426.3	Categorize the domains / disciplines involved and work on them individually and collaborate as a team
C426.4	Make effective presentation, documentation and enhance verbal and writing skills

CO – PO Mapping

A282P2	MAJOR PROJECT											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C426.1	3	3	3	3	-	-	-	-	-	-	-	3
C426.2	3	3	3	3	3	3	3	3	3	3	3	3
C426.3	3	3	-	-	-	3	3	3	3	3	3	-
C426.4	3	-	-	-	3	-	-	-	-	3	-	3
	3	3	3	3	3	3	3	3	3	3	3	3

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Department of Electrical & Electronics Engineering

CO-Attainment

Project Internal Reviews							Project External
S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	Total Marks (15M)	Total Marks (15M)	Total Marks (20M)	Project Viva Voce (150M)
1	17911A0259	D. Mallikarjun	Design of Solar Cooker for different cooking applications	12	13	16	140
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3	17911A0288	N.Sai Kumar		11	11	14	135
		Average marks		12	12	15	138
		No of students attempted		3	3	3	3
		%of students scored 60% and above		100.00	100.00	100.00	100.00
		CO ATTAINMENT LEVEL		3	3	3	3

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	Final Review	3.0				
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	Project Review II	3.0				
	Final Review	3.0				
CO 4	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				



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Department of Electrical & Electronics Engineering

CO-PO Mapping of Project in the area of Energy Conservation

Title of the Project: GenZe-20

Area of the Project: Electric Machines

Methodology: Model

Name of the Supervisor: Mr.B.SudhakarReddy, M.tech.

Name of the Students: B KRISHNA VAMSI (16911A0205)

BOINI AVINASH KUMAR (16911A0208)

L V S P L GAYATRI (16911A0226)

SHRADDHA KULKARNI (16911A0243)

Abstract: This project is based on e-bikes, mainly the 'Pedelects' (under Swedish standards). Pedelects is the category of e-bikes which indicates electric bicycles only, that has specific standard in terms of motor power and speed limitations. We are concerned with respect to Sweden, in the analysis, especially because though it is already defined by EU for Europeans, it still varies in some countries, within Europe itself. In this research and experiment, we have brought useful revelations about its features in terms of power, comfort and cost. Likewise, our efforts have been to test its reliability on technical grounds, geographical conditions, people's awareness and interests. Similarly, on effective grounds, ratio of bike users, import conditions, its growth and declines trends, and other influencing factors have been analysed to understand e-bike's possibilities in Sweden. To highlights e-bike's features and importance, we have done a thorough investigation, taking comparative analysis with ordinary bicycles and normal vehicles, by using common elements like cost effectiveness, power efficiency, leisure service, easy accessibility, and environment effects and so on. The findings have proven e-bikes to be the most effective solution on various grounds than any other transport alternatives especially in short distance and inner city traveling. In theoretical details on e-bikes, we have introduced details about the components applicable in e-bike, how they operate, their importance in terms of effectiveness with respect to power consumption and energy dispatching (motor capacity), quality of performance (types of components and features) and other comparative technical aspects.

To understand the ground reality better, a short survey have been conducted to give some understanding about the awareness people are having regarding e-bike, their remarks towards this product, and based on their conclusions, our predictions report on its development and popularity chances in Sweden. While analysing facts in general, we discovered that pedelects for US may not be pedelects for Sweden, because of standard varies from country to country. According to European classification standard, a pedelect must have the motor capacity up to 250 W, and must stop the motor when the speed is above 25 km/h. Speaking about the popularity of e-bike, In China the number of e-bikes sold reached up to 200 million, Germany is leading the way in Europe, therefore by the favourable situations available in Sweden, we can predict high potential in Sweden. The statistics data

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A Project Report

on

GenZe-20

Submitted for partial fulfilment of the requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

BY

Mr. Krishna Vamshi (16911A0205)

Mr. Avinash (16911A0208)

Ms. L.V.S.P.L Gayatri (16911A0226)

Ms. Shraddha Kulkarni (16911A0243)

Under the esteemed guidance of

B. Sudhakar Reddy

Assistant Professor

Department of Electrical and Electronics Engineering

VJIT, Hyderabad



Department of Electrical and Electronics Engineering

[Signature]

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[Signature]

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Hyderabad-75.

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Himayathnagar (vi), C.B. Post, R.R Dist. 500075



CERTIFICATE

This is to certify that the project work entitled "GenZe-20" is a bonafide work carried out by Mr. Krishna Vamshi (16911A0205), Mr Avinash Kumar(16911A0208), Ms. L.V.S.P.L Gayatri (16911A0226), Ms. Shraddha Kulkarni (16911A0243) in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS ENGINEERING** to be awarded by the **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, Hyderabad.**

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Internal Supervisor
Department of Electrical and Electronics
Engineering
Hyderabad

Head of the Department
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Electronics Engineering
Hyderabad

External Examiner

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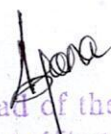
Department of Electrical & Electronics Engineering

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CO – PO Mapping

A282P2	MAJOR PROJECT											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C426.1	3	3	3	3	-	-	-	-	-	-	-	3
C426.2	3	3	3	3	3	3	3	3	3	3	3	3
C426.3	3	3	-	-	-	3	3	3	3	3	3	-
C426.4	3	-	-	-	3	-	-	-	-	3	-	3
	3	3	3	3	3	3	3	3	3	3	3	3


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PROJECT REVIEW-I A section

I	Understanding background and topic (3M)
II	Specific Project goals (2M)
III	Literature Survey (2M)
IV	Project Planning (4M)
V	Presentation skills (4M)

S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	I (3M)	II (2M)	III (2M)	IV (4M)	V (4M)	Total Marks (15M)	Reviewer 1	Reviewer 2
1	16911A0262	DHANISHETTI KRISHNA PRIYA	IOT BASED ENERGY MONITORING SYSTEM	3	2	2	4	3	14	Dr.C.N.Ravi	Mr.B.Rajesh
2	16911A0266	GUJJULA VIDYA		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
3	16911A0282	PISUPATI SAI CHANDANA		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
4	16911A0291	SAI SREE YALLAVULA		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
5	16911A0211	EAMANI LAKSHMI SARADA PRAVALLIK	WIRELESS SOLAR POWER TRANSMISSION	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
6	16911A0223	KOTHAKAAPU SHRAVANI		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
7	16911A0238	NAREDLA PAVAN KALYAN		2	2	2	2	4	12	Dr.C.N.Ravi	Mr.B.Rajesh
8	16911A0249	VOODI SAI GANESH		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
9	16911A0216	K RAJA RAJESHWARI	AUTOMATIC STREET LIGHT INTENSITY CONTROLLER	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
10	17915A0212	KALIKOTA SREEDHARA CHARY		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
11	17915A0214	KUSUKUNTLA MAMATHA		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
12	17915A0215	MADDI ABHILASH GOUD		2	2	2	2	4	12	Dr.C.N.Ravi	Mr.B.Rajesh
13	16911A0224	KOTTHA AMBIKA	BUCK -BOOST CONVERTER AS POWER FACTOR CORRECTION AND IMPROVEMENT FOR PLUG- IN ELECTRIC VEHICLES AND BATTERY CHARGING APPLICATION	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
14	17915A0204	C SWATHI		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
15	17915A0206	G RAGHURAM REDDY		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
16	17915A0207	GUGULOTHU RENUKA		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
17	16911A0272	KOPPOJU ARAVINDA CHARY	WIRELESS POWER TRANSFER FOR ELECTRIC VEHICLE APPLICATION	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
18	16911A0274	MANATI MANISHA		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
19	16911A0281	PEDDA BOMMA DIVYA SREE		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
20	16911A0292	SAMINENI SRAVIKA CHOWDARY		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
21	16911A0294	TUMMALA MOUNISHA	POWER QUALITY IMPROVEMENT OF RENEWABLE ENERGY SOURCES USING ELECTRIC SPRING	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
22	17915A0217	MOGILIPURI PAVANI		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
23	17915A0223	SAMALA SUJITH SUNNY		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
24	16911A0253	B SRIKANTH GOUD		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
25	16911A0258	BOMMAKANTI ANJIAH	LORA BASED RENEWABLE ENERGY MONITORING SYSTEM WITH OPEN IOT PLATFORM.	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
26	16911A0295	UDA RAMESH		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
27	17915A0225	SIRIMALLA KUSUMA		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
28	16911A0271	KOLANU VANI		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
29	16911A0273	KOTTAM AKSHITA	DESIGN AND SIMULATION OF CURRENT SOURCE FOR PREPARATION OF NANO	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh

30	16911A0287	R BINDU	SOURCE FOR PREPARATION OF RAW MATERIAL	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
31	16911A0296	V SARAYU REDDY		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
32	16911A0202	ANANTHA SREEJA	UPFC SYSTEM WITH CAPACITIVE BANK FILTER AND ANALYSIS USING MATLAB	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
33	17915A0203	BODIGÉ SHIRISHA		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
34	17915A0210	K KAPIL KUMAR		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
35	17915A0219	NALLA VINAY KUMAR		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
36	16911A0209	BOLAVENA ANJALI		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
37	17915A0208	HADWALA AKHIL	FAULT DIAGNOSIS AND SMALL WIND TURBINE MONITORING USING AURDINO	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
38	17915A0222	SAILLA ASHOK		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
39	17915A0226	SOUDA RAJ KUMAR		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
40	16911A0225	KURVA MALLESHWAR	AUTOMATIC LAMP AND FAN CONTROL BASED ON INTENSITY OF LIGHT AND TEMPERATURE USING MICROCONTROLLERS	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
41	16911A0230	MANGOLLA RUSHIKESH		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
42	16911A0234	MD AWAIZ		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
43	16911A0241	RISHAB SHUKLA		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
44	17915A0209	JANUPALLI SRILATHA	EFFECTIVE USAGE OF ENERGY BY USING GSM MODEM	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
45	17915A0213	KUNAPURI KISHAN		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
46	17915A0221	PASUPULA PAVAN KALYAN		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
47	17915A0224	SIRIGIRI HARINATH		2	2	2	2	4	12	Dr.C.N.Ravi	Mr.B.Rajesh
48	16911A0261	D GANESH KUMAR REDDY	REDUCTION OF HARMONICS IN THREE PHASE INDUCTION MOTOR BY USING THREE PHASE INVERTER	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
49	17915A0218	MUCHUMARI MAHESH		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
50	17915A0220	P HARI KRISHNA		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh
51	16911A0251	AHMED AHTESHAM UDDIN	ENERGY AUDIT OF VIDYA JYOTHI INSTITUTE OF TECHNOLOGY	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
52	16911A0257	BOLLEBOINA SRINATH YADAV		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
53	16911A0260	CHILAKURI PAWAN REDDY		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
54	16911A0275	MIR FARAZUDDIN HAMZA		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
55	16911A0205	B KRISHNA VAMSI	GENZE-20	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
56	16911A0208	BOINI AVINASH KUMAR		2	2	2	2	4	12	Dr.C.N.Ravi	Mr.B.Rajesh
57	16911A0226	L V S P L GAYATRI		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
58	16911A0243	SHRADDHA KULKARNI		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
59	16911A0203	ANTHAMGARI MANISHA	LABVIEW BASED STEPPER MOTOR CONTROL USING ARDUINO	3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
60	16911A0268	KAASULA ADARSH		3	2	2	2	5	14	Dr.C.N.Ravi	Mr.B.Rajesh
61	17915A0202	BAYYARAM VINAYAKA BHOOPATHI		3	2	2	2	4	13	Dr.C.N.Ravi	Mr.B.Rajesh

C.N. Ravi B. Rajesh
Project Coordinator

Dr. C. N. Ravi
HOD/EEE



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

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(Aziz Nagar, C.B.Post, Hyderabad -500075)

PROJECT REVIEW-II A section

I	Specific Project goals (2M)
II	Specific testing platforms and bench mark systems (3M)
III	Project Planning (2M)
IV	Technical Design (3M)
V	Summary of the findings of Project (2M)
VI	Presentation skills (3M)

S.No	R.T.NO	NAME OF THE STUDENT	PROJECT TITLE	I (2M)	II (3M)	III (2M)	IV (3M)	V (2M)	VI (3M)	Total Marks (15M)	Reviewer 1	Reviewer 2
1	16911A0262	DHANISHETTI KRISHNA PRIYA	IOT BASED ENERGY MONITORING SYSTEM	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
2	16911A0266	GUJJULA VIDYA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
3	16911A0282	PISUPATI SAI CHANDANA		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
4	16911A0291	SAI SREE YALLAVULA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
5	16911A0211	EAMANI LAKSHMI SARADA PRAVALLIKA	WIRELESS SOLAR POWER TRANSMISSION	2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
6	16911A0223	KOTHAKAAPU SHRAVANI		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
7	16911A0238	NAREDLA PAVAN KALYAN		2	2	2	2	2	2	12	B.Rajesh	B.Sudhakar Reddy
8	16911A0249	VOODI SAI GANESH		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
9	16911A0216	K RAJA RAJESHWARI	AUTOMATIC STREET LIGHT INTENSITY CONTROLLER	2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
10	17915A0212	KALIKOTA SREEDHARA CHARY		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
11	17915A0214	KUSUKUNTLA MAMATHA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
12	17915A0215	MADDI ABHILASH GOUD		2	2	2	2	2	2	12	B.Rajesh	B.Sudhakar Reddy
13	16911A0224	KOTTHA AMBIKA	BUCK -BOOST CONVERTER AS POWER FACTOR CORRECTION AND IMPROVEMENT FOR PLUG- IN ELECTRIC VEHICLES AND BATTERY CHARGING APPLICATION	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
14	17915A0204	C SWATHI		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
15	17915A0206	G RAGHURAM REDDY		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
16	17915A0207	GUGULOTHU RENUKA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
17	16911A0272	KOPPOJU ARAVINDA CHARY	WIRELESS POWER TRANSFER FOR ELECTRIC VEHICLE APPLICATION	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
18	16911A0274	MANATI MANISHA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
19	16911A0281	PEDDA BOMMA DIVYA SREE		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
20	16911A0292	SAMINENI SRAVIKA CHOWDARY		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
21	16911A0294	TUMMALA MOUNISHA	POWER QUALITY IMPROVEMENT OF RENEWABLE ENERGY SOURCES USING ELECTRIC SPRING	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
22	17915A0217	MOGILIPURI PAVANI		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
23	17915A0223	SAMALA SUJITH SUNNY		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
24	16911A0253	B SRIKANTH GOUD		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
25	16911A0258	BOMMAKANTI ANJALIAH	LORA BASED RENEWABLE ENERGY MONITORING SYSTEM WITH OPEN IOT PLATFORM.	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
26	16911A0295	UDA RAMESH		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
27	17915A0225	SIRIMALLA KUSUMA		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
28	16911A0271	KOLANU VANI		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
29	16911A0273	KOTTAM AKSHITA	DESIGN AND SIMULATION OF CURRENT SOURCE FOR PREPARATION OF NANO MATERIAL	2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
30	16911A0287	R BINDU		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
31	16911A0296	V SARAYU REDDY		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
32	16911A0202	ANANTHA SREEJA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
33	17915A0203	BODIGE SHIRISHA	UPFC SYSTEM WITH CAPACITIVE BANK	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy

34	17915A0210	K KAPIL KUMAR	FILTER AND ANALYSIS USING MATLAB	2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
35	17915A0219	NALLA VINAY KUMAR		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
36	16911A0209	BOLAVENA ANJALI		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
37	17915A0208	HADWALA AKHIL	FAULT DIAGNOSIS AND SMALL WIND TURBINE MONITORING USING ARDUINO	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
38	17915A0222	SAILLA ASHOK		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
39	17915A0226	SOUDA RAJ KUMAR		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
40	16911A0225	KURVA MALLESWAR		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
41	16911A0230	MANGOLLA RUSHIKESH	AUTOMATIC LAMP AND FAN CONTROL BASED ON INTENSITY OF LIGHT AND TEMPERATURE USING MICROCONTROLLERS	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
42	16911A0234	MD AWALZ		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
43	16911A0241	RISHAB SHUKLA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
44	17915A0209	JANUPALLI SRILATHA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
45	17915A0213	KUNAPURI KISHAN	EFFECTIVE USAGE OF ENERGY BY USING GSM MODEM	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
46	17915A0221	PASUPULA PAVAN KALYAN		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
47	17915A0224	SIRIGIRI HARINATH		2	2	2	2	2	2	12	B.Rajesh	B.Sudhakar Reddy
48	16911A0261	D GANESH KUMAR REDDY	REDUCTION OF HARMONICS IN THREE PHASE INDUCTION MOTOR BY USING THREE PHASE INVERTER	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
49	17915A0218	MUCHUMARI MAHESH		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
50	17915A0220	P HARI KRISHNA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
51	16911A0251	AHMED AHTESHAM UDDIN		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
52	16911A0257	BOLLEBOINA SRINATH YADAV	ENERGY AUDIT OF VIDYA JYOTHI INSTITUTE OF TECHNOLOGY	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
53	16911A0260	CHILAKURI PAWAN REDDY		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
54	16911A0275	MIR FARAZUDDIN HAMZA		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
55	16911A0205	B KRISHNA VAMSI		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
56	16911A0208	BOINI AVINASH KUMAR	GENZE-20	2	2	2	2	2	2	12	B.Rajesh	B.Sudhakar Reddy
57	16911A0226	L V S P L GAYATRI		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
58	16911A0243	SHRADDHA KULKARNI		2	3	2	3	2	2	14	B.Rajesh	B.Sudhakar Reddy
59	16911A0203	ANTHAMGARI MANISHA		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
60	16911A0268	KAASULA ADARSH	LABVIEW BASED STEPPER MOTOR CONTROL USING ARDUINO	2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy
61	17915A0202	BAYYARAM VINAYAKA BHOOPATHI		2	3	2	3	2	1	13	B.Rajesh	B.Sudhakar Reddy

B. Rajesh Sudhakar Reddy

Project Coordinator

B. Rajesh

HOD/EEE



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(Aziz Nagar, C.B.Post, Hyderabad -500075)

FINAL PROJECT REVIEW A section

I	Abstract (2M)
II	Research Methodology (4M)
III	Results obtained and performance Evaluation (5M)
IV	Pre - final draft of entire project (5M)
V	Presentation skills (4M)

S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	I (2M)	II (4M)	III (5M)	IV (5M)	V (4M)	Total Marks (20M)	Reviewer 1	Reviewer 2
1	16911A0262	DHANISHETTI KRISHNA PRIYA	IOT BASED ENERGY MONITORING SYSTEM	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
2	16911A0266	GUJJULA VIDYA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
3	16911A0282	PISUPATI SAI CHANDANA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
4	16911A0291	SAI SREE YALLAVULA		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
5	16911A0211	EAMANI LAKSHMI SARADA PRAVALLIKA	WIRELESS SOLAR POWER TRANSMISSION	2	4	5	5	3	19	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
6	16911A0223	KOTHAKAAPU SHRAVANI		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
7	16911A0238	NAREDLA PAVAN KALYAN		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
8	16911A0249	VOODI SAI GANESH		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
9	16911A0216	K RAJA RAJESHWARI	AUTOMATIC STREET LIGHT INTENSITY CONTROLLER	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
10	17915A0212	KALIKOTA SREEDHARA CHARY		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
11	17915A0214	KUSUKUNTALA MAMATHA		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
12	17915A0215	MADDI ABHILASH GOUD		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
13	16911A0224	KOTTHA AMBIKA	BUCK -BOOST CONVERTER AS POWER FACTOR CORRECTION AND IMPROVEMENT FOR PLUG-IN ELECTRIC VEHICLES AND BATTERY CHARGING APPLICATION	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
14	17915A0204	C SWATHI		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
15	17915A0206	G RAGHURAM REDDY		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
16	17915A0207	GUGULOTHU RENUKA		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
17	16911A0272	KOPPOJU ARAVINDA CHARY	WIRELESS POWER TRANSFER FOR ELECTRIC VEHICLE APPLICATION	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
18	16911A0274	MANATI MANISHA		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
19	16911A0281	PEDDA BOMMA DIVYA SREE		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
20	16911A0292	SAMINENI SRAVIKA CHOWDARY	POWER QUALITY IMPROVEMENT OF RENEWABLE ENERGY SOURCES USING ELECTRIC SPRING	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
21	16911A0294	TUMMALA MOUNISHA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
22	17915A0217	MOGILIPURI PAVANI		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
23	17915A0223	SAMALA SUJITH SUNNY		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
24	16911A0253	B SRIKANTH GOUD	LORA BASED RENEWABLE ENERGY MONITORING SYSTEM WITH OPEN IOT PLATFORM.	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
25	16911A0258	BOMMAKANTI ANJALIAH		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
26	16911A0295	UDA RAMESH		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
27	17915A0225	SIRIMALLA KUSUMA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
28	16911A0271	KOLANU VANI	DESIGN AND SIMULATION OF CURRENT SOURCE FOR PREPARATION OF NANO MATERIAL	2	4	5	5	3	19	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
29	16911A0273	KOTTAM AKSHITA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
30	16911A0287	R BINDU		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
31	16911A0296	V SARAYU REDDY		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy

32	16911A0202	ANANTHA SREEJA	UPIV SYSTEM WITH CAPACITIVE BANK FILTER AND ANALYSIS USING MATLAB	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
33	17915A0203	DODGE SHIRISHA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
34	17915A0210	K.KAPIL KUMAR		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
35	17915A0219	NALLA VINAY KUMAR	FAULT DIAGNOSIS AND SMALL WIND TURBINE MONITORING USING ARDUINO	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
36	16911A0209	BOJAVENA ANJALI		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
37	17915A0208	HADWALA AKHIL		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
38	17915A0222	SAHIL ASHOK	AUTOMATIC LAMP AND FAN CONTROL BASED ON INTENSITY OF LIGHT AND TEMPERATURE USING MICROCONTROLLERS	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
39	17915A0226	SOUJYA RAO KUMAR		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
40	16911A0225	KURVA MALLESWAR		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
41	16911A0230	MANGOLLA RUSHIKESH	EFFECTIVE USAGE OF ENERGY BY USING GSM MOD	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
42	16911A0234	MIDAWALZ		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
43	16911A0241	RISHAB SHUKLA		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
44	17915A0209	JANUPALLI SRILATHA	REDUCTION OF HARMONICS IN THREE PHASE INDUCTION MOTOR BY USING THREE PHASE INVERTER	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
45	17915A0213	KUNAPURI KISHAN		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
46	17915A0221	PASUPULA PAVAN KALYAN		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
47	17915A0224	SIRGIRI HARINATH	ENERGY AUDIT OF VIDYA JYOTHI INSTITUTE OF TECHNOLOGY	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
48	16911A0261	D.GANESH KUMAR REDDY		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
49	17915A0218	MUCHUMARI MAHESH		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
50	17915A0220	P.HARI KRISHNA	GENZE-20	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
51	16911A0251	AHMED AHTESHAM UDDIN		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
52	16911A0257	BOLLEBOINA SRINATH YADAV		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
53	16911A0260	CHILAKURI PAWAN REDDY	LABVIEW BASED STEPPER MOTOR CONTROL USING ARDUINO	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
54	16911A0275	MIR FARAZUDDIN HAMZA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
55	16911A0205	B.KRISHNA VAMSI		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
56	16911A0208	BOINI AVINASH KUMAR	GENZE-20	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
57	16911A0226	L.V.S.P.L.GAYATRI		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
58	16911A0243	SHRADDHA KULKARNI		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
59	16911A0203	ANTHAMGARI MANISHA	LABVIEW BASED STEPPER MOTOR CONTROL USING ARDUINO	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
60	16911A0268	KAASULA ADARSH		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
61	17915A0202	BAYYARAM VINAYAKA BHOOPATHI		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy

C.N. Ravi
Project Coordinator

A. J. J.
HOD/EEE



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Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

CO-Attainment

Project Internal Reviews							Project External
S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	Total Marks (15M)	Total Marks (15M)	Total Marks (20M)	Project Viva Voce (150M)
1	16911A0205	B KRISHNA VAMSI	GENZE-20	14	13	18	177
2	16911A0208	BOINI AVINASH KUMAR		12	12	17	175
3	16911A0226	L V S P L GAYATRI		14	14	18	184
4	16911A0243	SHRADDHA KULKARNI		14	14	18	183
		Average marks		14	13	18	180
		No of students attempted		4	4	4	4
		%of students scored 60% and above		100.00	100.00	100.00	100.00
		CO ATTAINMENT LEVEL		3	3	3	3

ASSESSMENT OF COs FOR THE COURSE						
CO	Review value		Average	Internal Exam	External Exam	Overall CO Attainment
CO 1	Project Review I	3.0	3.00	2.75	3.00	2.94
	Final Review	3.0				
CO 2	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				
CO 3	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				
CO 4	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				



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Department of Electrical & Electronics Engineering

CO-PO Mapping of Project in the area of Application of “IOT in Electrical Power Management”

Title of the Project: IOT Based Power Management and Controlled Socket

Area of the Project: Electric circuits

Methodology: Product Development

Name of the Supervisor: Dr.A.Srujana

Name of the Students: A.ShivaChaithanya (16911A0252)

B.Nikhil (16911A0254)

K.Tarun (16911A0270)

P.Harish Chandra Prasad (16911A0286)

Abstract: Life today is getting easier and simpler with advancement of automation technology. Manual systems are getting replaced by automatic systems. With the rapid increase in Internet users it has become part of life. One of its kinds is IoT, latest and emerging technology. Things like consumer goods, industrial goods, etc., can be networked to share information and complete the task remotely. Basic home functions and features can be controlled using IoT from anywhere in the world. It is meant to save human and electrical energy. In this system each load is monitored by current and potential transformer.

Head of the Department
Department of Electrical & Electronics Engg
Vidya Jyothi Institute of Technology
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Himayatnagar (VIII), C.B. Post.,
Hyderabad-75.

Vidya Jyothi Institute of Technology

(Autonomous)

Aziz Nagar, Hyderabad -500075

A Major Project Report

On

IOT Based Power Management and Controlled Socket

Submitted for partial fulfillment of the requirements for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

BY

A.Shiva Chaithanya (16911A0252)

B.Nikhil (16911A0254)

K.Tarun (16911A0270)

P.Harish Chandra Prasad (16911A0286)

Under the guidance of

Dr.A.Srujana

Professor

Department of Electrical and electronics Engineering

VJIT, Hyderabad.



Department of Electrical and Electronics Engineering

A. Srujana

Head of the Department
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A. Prasad

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VIDYA JYOTHI INSTITUTE OF TECHNOLOGY

(Autonomous)

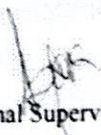
Himayathnagar (vi), C.B. Post, R.R Dist. 500075



CERTIFICATE

This is to certify that the project work entitled "IOT BASED POWER MANAGEMENT AND CONTROLLED SOCKET" is a bonafide work carried out by Mr. A. Shiva chaithanya (16911A0252), Mr. B Nikhil (16911A0254), Mr. K Tarun (16911A0270), Mr. P Harish Chandra Prasad(16911A0286), in partial fulfillment of the requirements for the award of degree of **BACHELOR OF TECHNOLOGY IN ELECTRICAL AND ELECTRONICS ENGINEERING** to be awarded by the **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, Hyderabad.**

The content in this report has not been submitted to any other university or institute for the award of any degree or diploma.


Internal Supervisor

Department of EEE

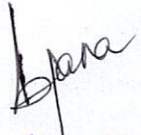
Hyderabad


Head of the department

Department of EE

Hyderabad


External Examiner


Head of the Department
Department of Electrical & Electronics Engg
Vidya Jyothi Institute of Technology
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Aziz Nagar Gate, C.B. Post, Hyderabad-500 075

Department of Electrical & Electronics Engineering

Course Outcomes

MP-II	MAJOR PROJECT
	A student will be able to
C426.1	Examine , Discuss and make links across different core areas of Knowledge
C426.2	Investigate and identify required areas, ideate, plan, design and develop models/prototype for the benefit of the society
C426.3	Categorize the domains / disciplines involved and work on them individually and collaborate as a team
C426.4	Make effective presentation, documentation and enhance verbal and writing skills

CO – PO Mapping

A282P2	MAJOR PROJECT											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C426.1	3	3	3	3	-	-	-	-	-	-	-	3
C426.2	3	3	3	3	3	3	3	3	3	3	3	3
C426.3	3	3	-	-	-	3	3	3	3	3	3	-
C426.4	3	-	-	-	3	-	-	-	-	3	-	3
	3	3	3	3	3	3	3	3	3	3	3	3

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VIDYA JYOTHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

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(Aziz Nagar, C.B.Post, Hyderabad -500075)

PROJECT REVIEW-I B section

I	Understanding background and topic (3M)
II	Specific Project goals (2M)
III	Literature Survey (2M)
IV	Project Planning (4M)
V	Presentation skills (4M)

S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	I (3M)	II (2M)	III (2M)	IV (4M)	V (4M)	Total Marks (15M)	Reviewer 1	Reviewer 2
1	16911A0252	ALUVALA SHIVACHAITHANYA	IOT BASED POWER MANAGEMENT AND CONTROLLED SOCKET	3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
2	16911A0254	BAMANDLA NIKHIL		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
3	16911A0270	KANUGULA TARUN		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
4	16911A0286	PUNNAMRAJ HARISHCHANDRA PRASAD		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
5	16911A0256	BHUKYA HIMABINDU	ENERGY AUDIT FOR VJIT	3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
6	17915A0216	MENDYE NAVEEN		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
7	17915A0227	TALARI NARESH		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
8	17915A0228	THUNDLA PRAVEEN		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
9	16911A0204	APPAJI NAGENDER PATEL	IOT BASED SOLAR POWER MONITORING USING NODEMCU	2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
10	16911A0288	RAVALI CHANDANKARE		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
11	17915A0205	DHATRIKA AKHIL RAJ		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
12	16911A0201	ALAVALA SAI PRIYANKA		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
13	16911A0210	CHERUKU CHANDRA SHEKAR GOUD	OPTIMAL POWER GENERATION USING SLIDING MODE TECHNIQUE FOR A GRID - CONNECTED SOLAR NETWORK	2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
14	16911A0214	HIREKARI ABHISHEK RAJ		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
15	16911A0233	MATTEPALLY DEEKSHITH		2	1	1	3	4	11	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
16	16911A0227	LALUSARI ANIL		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
17	16911A0228	LAVUDIYA NEHA	ARDUINO BASED AGRICULTURE ROBOT	3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
18	16911A0231	MARATI RAMYA SRI		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
19	17915A0201	B SHASHIKUMAR		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
20	16911A0219	KANDARI SAI PRASAD		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
21	17915A0230	KARNAM PAVAN KUMAR GOUD	POWER FACTOR IMPROVEMENT IN MODIFIED BRIDGELESS LANDSMAN CONVERTER FED EV BATTERY CHARGER	2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
22	17915A0231	P SAIKUMAR GOUD		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
23	17915A0232	BANTU VIJAY		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
24	16911A0259	CHAKALI SRISAILAM		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
25	16911A0264	GOSANGI SOHITH BABU	IOT BASED SMART ENERGY METER FOR POWER THEFT DETECTING USING ARDUINO	3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
26	16911A0265	GUDURI VISHNU VARDHAN		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
27	16911A0212	GANTA SUJITH		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
28	16911A0213	GOGIREDDY PRASHANTH KUMAR REDD		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
29	16911A0218	KAKUMANU BHARATH KUMAR	IOT BASED ENERGY METER READING MONITORING AND CONTROLLING SYSTEM	3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
30	16911A0245	THOKA LAXMIKANTH GOUD		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
31	16911A0250	ADDHANKI SITARAM PRASAD		3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
32	16911A0277	MOTAM SUDARSHAN		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
33	16911A0278	NIMMAGADDA HARISH KUMAR	COAL MINE SECURITY SYSTEM USING IOT AND MACHINE LEARNING SECURITY	3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh

34	16911A0285	PUDURU PRAMOD	A MODIFIED PWM SCHEME TO IMPROVE PERFORMANCE OF A SINGLE-PHASE ACTIVE FRONT END IMPEDENCE SOURCE INVERTER	3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
35	17915A0211	KADIYAM ABHINAV		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
36	17915A0229	G SHASHANK		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
37	15911A0230	BHAVANA K	ISOLATED SEPIC CONVERTER FED TRINARY HYBRID CASCADED H-BRIDGE MULTILEVEL INVERTER FOR SOLAR PV SYSTEM	2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
38	16915A0226	S VINAY SINGH		3	2	2	3	3	13	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
39	15911A0275	SUJAN REDDY		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
40	15911A0278	KATTOJU AJAY	SPEED CONTROL OF SINGLE PHASE INDUCTION MOTOR BY USING IOT	3	2	2	4	3	14	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
41	15911A0292	A.SAI TEJA		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
42	15911A0212	B.AKSHAY KUMAR		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
43	15911A0261	BOMMANA AKHILESHWAR	IOT BASED POWER THEFT MONITORING SYSTEM	2	1	1	3	4	11	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
44	15911A0280	M SHASHANK		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
45	15911A0296	SHERU SAIKUMAR		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
46	16911A0220	K RAGHAENDRA REDDY		2	1	1	3	4	11	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
47	16911A0221	K PRAJO NAYAK		2	1	1	3	4	11	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
48	16911A0222	K NAVEEN		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh
49	16911A0237	M GANESH		2	2	2	3	3	12	Mr.B.Sudhakar Reddy	Mr.B.Rajesh

B. Rajesh Sudhakar Reddy

Project Coordinator

[Signature]

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(Aziz Nagar, C.B.Post, Hyderabad -500075)

PROJECT REVIEW-II B section

I	Specific Project goals (2M)
II	Specific testing platforms and bench mark systems (3M)
III	Project Planning (2M)
IV	Technical Design (3M)
V	Summary of the findings of Project (2M)
VI	Presentation skills (3M)

S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	I (2M)	II (3M)	III (2M)	IV (3M)	V (2M)	VI (3M)	Total Marks (15M)	Reviewer 1	Reviewer 2
1	16911A0252	ALUVALA SHIVACHAITHANYA	IOT BASED POWER MANAGEMENT AND CONTROLLED SOCKET	2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
2	16911A0254	BAMANDLA NIKHIL		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
3	16911A0270	KANUGULA TARUN		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
4	16911A0286	PUNNAMRAJ HARISHCHANDRA PRASAD		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
5	16911A0256	BHUKYA HIMABINDU	ENERGY AUDIT FOR VJIT	2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
6	17915A0216	MENDYE NAVEEN		2	3	2	3	2	2	14	Dr C N Ravi	Mr B Sudhakar Reddy
7	17915A0227	TALARI NARESH		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
8	17915A0228	THUNDLA PRAVEEN		2	3	2	3	2	2	14	Dr C N Ravi	Mr B Sudhakar Reddy
9	16911A0204	APPAJI NAGENDER PATEL	IOT BASED SOLAR POWER MONITORING USING NODEMCU	2	2	2	2	2	2	12	Dr C N Ravi	Mr B Sudhakar Reddy
10	16911A0288	RAVALI CHANDANKARE		2	2	2	2	2	2	12	Dr C N Ravi	Mr B Sudhakar Reddy
11	17915A0205	DHATRIKA AKHIL RAJ	OPTIMAL POWER GENERATION USING SLIDING MODE TECHNIQUE FOR A GRID - CONNECTED SOLAR NETWORK	2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
12	16911A0201	ALAVALA SAI PRIYANKA		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
13	16911A0210	CHERUKU CHANDRA SHEKAR GOUD		2	2	2	2	2	2	12	Dr C N Ravi	Mr B Sudhakar Reddy
14	16911A0214	HIKARI ABHISHEK RAJ		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
15	16911A0233	MATTEPALLY DEEKSHITH	ARDUINO BASED AGRICULTURE ROBOT	1	2	1	2	1	4	11	Dr C N Ravi	Mr B Sudhakar Reddy
16	16911A0227	LALUSARI ANIL		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
17	16911A0228	LAVUDIYA NEHA		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
18	16911A0231	MARATI RAMYA SRI		2	3	2	3	2	2	14	Dr C N Ravi	Mr B Sudhakar Reddy
19	17915A0201	B SHASHIKUMAR	POWER FACTOR IMPROVEMENT IN MODIFIED BRIDGELESS LANDSMAN CONVERTER FED EV BATTERY CHARGER	2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
20	16911A0219	KANDARI SAI PRASAD		2	2	2	2	2	2	12	Dr C N Ravi	Mr B Sudhakar Reddy
21	17915A0230	KARNAM PAVAN KUMAR GOUD		2	2	2	2	2	2	12	Dr C N Ravi	Mr B Sudhakar Reddy
22	17915A0231	P SAIKUMAR GOUD		2	2	2	2	2	2	12	Dr C N Ravi	Mr B Sudhakar Reddy
23	17915A0232	BANTU VIJAY	IOT BASED SMART ENERGY METER FOR POWER THEFT DETECTING USING ARDUINO	2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
24	16911A0259	CHAKALI SRISAILAM		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
25	16911A0264	GOSANGI SOHITH BABU		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
26	16911A0265	GUDURI VISHNU VARDHAN		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
27	16911A0212	GANTA SUIITH	IOT BASED ENERGY METER READING MONITORING AND CONTROLLING SYSTEM	2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
28	16911A0213	GOGIREDDY PRASHANTH KUMAR REDDY		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
29	16911A0218	KAKUMANU BHARATH KUMAR		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
30	16911A0245	THOKA LAXMIKANTH GOUD		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy
31	16911A0250	ADDHANKI SITARAM PRASAD		2	3	2	3	2	1	13	Dr C N Ravi	Mr B Sudhakar Reddy

32	16911A0277	MOTAM SUDARSHAN	COAL MINE SECURITY SYSTEM USING IOT AND MACHINE LEARNING SECURITY	2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
33	16911A0278	NIMMAGADDA HARISH KUMAR		2	3	2	3	2	1	13	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
34	16911A0285	PUDURU PRAMOD		2	3	2	3	2	1	13	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
35	17915A0211	KADIYAM ABHINAV	A MODIFIED PWM SCHEME TO IMPROVE PERFORMANCE OF A SINGLE-PHASE ACTIVE FRONT END IMPEDENCE SOURCE INVERTER	2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
36	17915A0229	G SHASHANK		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
37	15911A0230	BHAVANA K		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
38	16915A0226	S VINAY SINGH	ISOLATED SEPIC CONVERTER FED TRINARY HYBRID CASCADED H-BRIDGE MULTILEVEL INVERTER FOR SOLAR PV SYSTEM	2	3	2	3	2	1	13	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
39	15911A0275	SUJAN REDDY		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
40	15911A0278	KATTOJU AJAY		2	3	2	3	2	1	13	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
41	15911A0292	A.SAI TEJA		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
42	15911A0212	B.AKSHAY KUMAR		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
43	15911A0261	BOMMANA AKHILESHWAR	SPEED CONTROL OF SINGLE PHASE INDUCTION MOTOR BY USING IOT	1	2	1	2	1	4	11	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
44	15911A0280	M SHASHANK		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
45	15911A0296	SHERU SAIKUMAR		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
46	16911A0220	K RAGHAENDRA REDDY	IOT BASED POWER THEFT MONITORING SYSTEM	1	2	1	2	1	4	11	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
47	16911A0221	K PRAJO NAYAK		1	2	1	2	1	4	11	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
48	16911A0222	K NAVEEN		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy
49	16911A0237	M GANESH		2	2	2	2	2	2	12	Dr.C.N.Ravi	Mr.B.Sudhakar Reddy

C.N. Ravi *Sudhakar Reddy*
Project Coordinator

S. Ravi
HOD/EEE



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

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(Aziz Nagar, C.B.Post, Hyderabad -500075)

FINAL PROJECT REVIEW B section

S.No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	I (2M)	II (4M)	III (5M)	IV (5M)	V (4M)	Total Marks (20M)	Reviewer 1	Reviewer 2
	I	Abstract (2M)									
	II	Research Methodology (4M)									
	III	Results obtained and performance Evaluation (5M)									
	IV	Pre - final draft of entire project (5M)									
	V	Presentation skills (4M)									
1	16911A0252	ALUVALA SHIVACHAITHANYA	IOT BASED POWER MANAGEMENT AND CONTROLLED SOCKET	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
2	16911A0254	BAMANDLA NIKHIL		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
3	16911A0270	KANUGULA TARUN		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
4	16911A0286	PUNNAMRAJ HARISHCHANDRA PRASAD		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
5	16911A0256	BHUKYA HIMABINDU	ENERGY AUDIT FOR VJIT	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
6	17915A0216	MENDYE NAVEEN		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
7	17915A0227	TALARI NARESH		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
8	17915A0228	THUNDLA PRAVEEN		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
9	16911A0204	APPAJI NAGENDER PATEL	IOT BASED SOLAR POWER MONITORING USING NODEMCU	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
10	16911A0288	RAVALI CHANDANKARE		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
11	17915A0205	DHATRIKA AKHIL RAJ		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
12	16911A0201	ALAVALA SAI PRIYANKA	OPTIMAL POWER GENERATION USING SLIDING MODE TECHNIQUE FOR A GRID -CONNECTED SOLAR NETWORK	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
13	16911A0210	CHERUKU CHANDRA SHEKAR GOUD		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
14	16911A0214	HIREKARI ABHISHEK RAJ		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
15	16911A0233	MATTEPALLY DEEKSHITH	ARDUINO BASED AGRICULTURE ROBOT	2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
16	16911A0227	LALUSARI ANIL		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
17	16911A0228	LAVUDIYA NEHA		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
18	16911A0231	MARATI RAMYA SRI		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
19	17915A0201	B SHASHIKUMAR	POWER FACTOR IMPROVEMENT IN MODIFIED BRIDGELESS LANDSMAN CONVERTER FED EV BATTERY CHARGER	2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
20	16911A0219	KANDARI SAI PRASAD		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
21	17915A0230	KARNAM PAVAN KUMAR GOUD		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
22	17915A0231	P SAIKUMAR GOUD		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
23	17915A0232	BANTU VIJAY	IOT BASED SMART ENERGY METER FOR	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
24	16911A0259	CHAKALI SRISAILAM		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh

25	16911A0264	GOSANGI SOHITH BABU	IOT BASED SMART ENERGY METER FOR POWER THEFT DETECTING USING ARDUINO	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
26	16911A0265	GUDURI VISHNU VARDHAN		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
27	16911A0212	GANTA SUJITH	IOT BASED ENERGY METER READING MONITORING AND CONTROLLING SYSTEM	2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
28	16911A0213	GOGIREDDY PRASHANTH KUMAR REDDY		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
29	16911A0218	KAKUMANU BHARATH KUMAR		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
30	16911A0245	THOKA LAXMIKANTH GOUD		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
31	16911A0250	ADDHANKI SITARAM PRASAD		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
32	16911A0277	MOTAM SUDARSHAN	COAL MINE SECURITY SYSTEM USING IOT AND MACHINE LEARNING SECURITY	2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
33	16911A0278	NIMMAGADDA HARISH KUMAR		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
34	16911A0285	PUDURU PRAMOD		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
35	17915A0211	KADIYAM ABHINAV		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
36	17915A0229	G SHASHANK	A MODIFIED PWM SCHEME TO IMPROVE PERFORMANCE OF A SINGLE-PHASE ACTIVE FRONT END IMPEDENCE SOURCE INVERTER	2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
37	15911A0230	BHAVANA K		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
38	16915A0226	S VINAY SINGH		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
39	15911A0275	SUJAN REDDY	ISOLATED SEPIC CONVERTER FED TRINARY HYBRID	2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
40	15911A0278	KATTOJU AJAY	CASCADED H-BRIDGE MULTILEVEL INVERTER FOR SOLAR PV SYSTEM	2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
41	15911A0292	A.SAI TEJA		2	4	5	5	2	18	Dr.C.N.Ravi	Mr.B.Rajesh
42	15911A0212	B.AKSHAY KUMAR		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
43	15911A0261	BOMMANA AKHILESHWAR	SPEED CONTROL OF SINGLE PHASE INDUCTION MOTOR BY USING IOT	2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
44	15911A0280	M SHASHANK		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
45	15911A0296	SHERU SAIKUMAR		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
46	16911A0220	K RAGHAENDRA REDDY		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
47	16911A0221	K PRAJO NAYAK	IOT BASED POWER THEFT MONITORING SYSTEM	2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
48	16911A0222	K NAVEEN		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh
48	16911A0222	K NAVEEN		2	3	4	4	4	17	Dr.C.N.Ravi	Mr.B.Rajesh
49	16911A0237	M GANESH		2	3	4	4	3	16	Dr.C.N.Ravi	Mr.B.Rajesh

C.N. Ravi B. Rajesh
Project Coordinator

Apara
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Department of Electrical & Electronics Engineering

CO-Attainment

Project Internal Reviews							Project External
S. No	H.T.NO	NAME OF THE STUDENT	PROJECT TITLE	Total Marks (15M)	Total Marks (15M)	Total Marks (20M)	Project Viva Voce (150M)
1	16911A0252	ALUVALA SHIVACHAITHANYA	IOT BASED POWER MANAGEM ENT AND CONTROLL ED SOCKET	14	13	18	184
2	16911A0254	BAMANDLA NIKHIL		14	13	18	186
3	16911A0270	KANUGULA TARUN		13	13	17	183
4	16911A0286	PUNNAMRAJ HARISHCHANDRA PRASAD		13	13	17	183
		Average marks		14	13	18	184
		No of students attempted		4	4	4	4
		%of students scored 60% and above		100.00	100.00	100.00	100.00
		CO ATTAINMENT LEVEL		3	3	3	3

ASSESSMENT OF COs FOR THE COURSE						
CO	Review value		Average	Internal Exam	External Exam	Overall CO Attainment
CO 1	Project Review I	3.0	3.00	2.75	3.00	2.94
	Final Review	3.0				
CO 2	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				
CO 3	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				
CO 4	Project Review I	3.0	2.67			
	Project Review II	3.0				
	Final Review	3.0				