



SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Jeppiaar Nagar, Rajiv Gandhi Salai (OMR), Chennai – 600 119, Tamil Nadu, India.

Phone: 044-2450 3150/3151/3152/3154/3155 Fax: 044-2450 2344

www.sathyabamauniversity.ac.in



Department of Electrical and Electronics Engineering

Value Added Courses (2017-2018)

- Internet of Things and its Applications in Electrical Power Industry
- Solar Photovoltaic Technology
- Sensor Applications using Arduino and Raspberry Pi
- Advanced Control in Smart grid
- Advancements in Electrical vehicles

Course : Internet of Things and its applications in Electrical Power Industry



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Department of Electrical and Electronics Engineering
Organizes
Value Added course
on
Internet of Things and its Applications in Electrical Power Industry

Date: From 01.07.17 to 30.09.17
Time: 08.00-03.00 PM

Conveners

Dr.N.M.Nandhitha
Prof & Dean/EEE
Dr.V.Sivachidambaranathan
Prof & Head /EEE

Resource Person

Mr.M.Yatish
Mr.Prashanth Ram
Digital Shark Technology,
Bangalore

Organizers

Mr. D. Jayaprakash, Asst. Prof/EEE
Mrs.Kavitha, Asst. Prof/EEE
Mrs.Bharathi, Asst. Prof /EEE

No Registration fee!!!
Certificate will be provided

Course Schedule : Internet of Things and its applications in Electrical Power Industry

Date	Time	Name of the Expert & Affiliation	Topic	Contents
1.7.17	8.00 AM - 12.00 Noon	Mr.M.Yatish Country manager, Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India University Program Mr.Prashanth Ram Technical head, Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India) University Program.	Internet of Things and its applications in Electrical Power Industry	Triggering IoT
8.7.17				- Applications on IoT - Home and Building automation - Industries - Energy - Medical and Health Care - Transportation - Environment
15.7.17				Recent industrial trends in IoT
22.7.17				Micro controller applications using MSP430
29.7.17				Interface GPIO ports in C using MSP430 (blinking LEDs)
5.8.17				LED control using a switch
12.8.17				PWM based speed control of motor controlled by potentiometer connected to GPIO
19.8.17				SCADA
26.8.17				Smart Metering
2.9.17				Building Automation
9.9.17				Connected Public Lighting
16.9.17				Smart Grid
16.9.17				Hands on Lab – connect and communicate to cloud.
23.9.17				Hands on Lab – connect and communicate to cloud.
30.9.17				Discussion

Course Certificate : Internet of Things and its applications in Electrical Power Industry



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Certificate

This is to certify that

KAMAL. S

has participated in Value Added Course on "Internet of Things and its applications in Electrical Power Industry" organized by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering from 1st July, 2017 to 30th September, 2017.

A handwritten signature in blue ink, appearing to read 'Sivachidambaranathan'.

Dr V Sivachidambaranathan

**Professor & Head
Department of EEE**

Course Participants : Internet of Things and its applications in Electrical Power Industry

S.No	Roll No	Name of the Student	Batch/Year
1.	14SEE114	JAYASHYAM. B	2014/IV Year
2.	14SEE116	JOE ARUL. S	2014/IV Year
3.	14SEE502	JOEL. T	2014/IV Year
4.	14SEE652	JUTURU CHINNAREDDIGARI SAI CHARAN REDDY	2014/IV Year
5.	14SEE505	KAJOL KAMINI. M	2014/IV Year
6.	14SEE625	KALLURU VENKATA HEMANTH	2014/IV Year
7.	14SEE158	KAMAL. S	2014/IV Year
8.	14SEE119	KAMMARA CHANDRA KUMAR	2014/IV Year
9.	14SEE554	KANIMOZHI. T	2014/IV Year
10.	14SEE626	KARRI VEERA VENKATA DURGA PRASAD	2014/IV Year
11.	14SEE684	KASETTY NARASIMHA	2014/IV Year
12.	14SEE120	KATTULA SAISRITEJ	2014/IV Year
13.	14SEE121	KILARU SAITEJA	2014/IV Year
14.	14SEE122	KISHORE KUMAR. S	2014/IV Year
15.	14SEE654	KODAKANDLA AKHIL	2014/IV Year
16.	14SEE153	KONDREDDY SAI VAMSI KRISHNA REDDY	2014/IV Year
17.	14SEE159	KOTA SANJEEV VISHAL	2014/IV Year
18.	14SEE123	KOUSHIK SARKAR	2014/IV Year
19.	14SEE630	KOVVURU RAVI TEJA	2014/IV Year
20.	14SEE313	KRANTHI. K	2014/IV Year
21.	14SEE697	KUKKADAPU MOUNIKA DEVI	2014/IV Year
22.	14SEE686	KUNDA SANATH KUMAR REDDY	2014/IV Year
23.	14SEE622	KUNDETI SRI VENKATANAGA VAMSI	2014/IV Year
24.	14SEE315	LAKSHMI PREETHI. P. S	2014/IV Year
25.	14SEE656	LINGUTLA SIVA KRISHNA	2014/IV Year



Course : Internet of Things and its applications in Electrical Power Industry

Course : Solar Photovoltaic Technology



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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

Organizes
a
Value Added Course
on

Solar Photovoltaic Technology

Date : From 13.11.17 to 17.11.17

Resource person:
Dr. Annie Elizabeth Jebaseeli
Professor,
EEE Department,
Sathyabama Institute of
Science and Technology,
Chennai

Conveners: Dr. N.M. Nandhitha Dean/EEE
Dr. V. Sivachidambaramanathan, HOD/EEE
Organizers: Dr. Sushithra
Dr. Vanitha
EEE Department,
Sathyabama Institute of Science and
Technology, Chennai

Registration Free

Course Schedule : Solar Photovoltaic Technology

Date	Time	Name of the Expert & Affiliation	Topic	Contents
13.11.17	8.00 AM - 12.00 Noon 1.00 PM – 3.00 PM	Dr.Annie Elizabeth Jebaseeli Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai	Solar Photovoltaic Technology	Design, installation and operation of small, stand alone photovoltaic power systems
14.11.17				Modeling Photovoltaic Power
15.11.17				Optimization of photovoltaic power systems
16.11.17				Photovoltaic power generation system with photovoltaic cells as bypass diodes
17.11.17				Added values of photovoltaic power systems

Course Certificate



Certificate

This is to certify that

CATHARIN MATHUMITHA. C

has participated in Value Added Course on **"Solar Photovoltaic Technology"** organized by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering from 13th November, 2017 to from 17th November, 2017.

Dr V Sivachidambaranathan
Professor & Head
Department of EEE

Course Participant ; Solar Photovoltaic Technology

S.No	Roll No.	Name of the Student	Batch/Year
1.	14SEE107	ARUN PRAKASH. M	2014 /IV Year
2.	14SEE603	ASHISH THAKUR	2014 /IV Year
3.	14SEE164	ASWIN KARUPPAN CHETTY.PL	2014 /IV Year
4.	14SEE632	BALUSU PRUDHVI	2014 /IV Year
5.	14SEE702	BATTINA GANGADHAR	2014 /IV Year
6.	14SEE552	BAVITHRA. K	2014 /IV Year
7.	14SEE156	BOGGAVARAPU VAMSI KRISHNA	2014 /IV Year
8.	14SEE639	BOLLAVARAM SUMANTH REDDY	2014 /IV Year
9.	14SEE670	CATHARIN MATHUMITHA. C	2014 /IV Year
10.	14SEE108	CHAPPIDI HARISH	2014 /IV Year
11.	15SEE520	SURAGANI THIRUPATHIRAO	2015 / III Year
12.	15SEE806	SURUTHI.R	2015 / III Year
13.	15SEE150	SUSHMITA MAHATO	2015 / III Year
14.	15SEE969	TAMIL SELVI.K	2015 / III Year
15.	15SEE521	TONY KORUTHU VATTACHAKAL	2015 / III Year
16.	15SEE970	TUMMALA DILEEP KUMAR	2015 / III Year
17.	15SEE971	UMA MAHESWARI.S	2015 / III Year
18.	15SEE805	VIJAYALAKSHMI.R	2015 / III Year
19.	15SEE151	YAKUB SAHEB GARI GHOUSE HUSSAIN BASHA	2015 / III Year
20.	16SLEE704	AINDRILA DEY	2015 / III Year
21.	16SLEE701	BATTU GOPI CHANDU	2015 / III Year
22.	16SLEE702	KASULA PRANAY KUMAR	2015 / III Year
23.	16SLEE901	PALA LAKSHMI VENKATA KASI VISWANADH	2015 / III Year
24.	16SLEE705	PUTHINEEDI TARUN NAGA VENKATA SAI VINAY	2015 / III Year
25.	16SLEE703	SIRIGIREDDY SIVA TEJA REDDY	2015 / III Year
26.	16SLEE706	YARRAGUDI GANGADHARA REDDY	2015 / III Year
27.	16SLEE903	R HARISH RATHINAM	2016 / II Year
28.	16SEE801	DEBANJALEE ROY	2016 / II Year
29.	16SEE958	DHANALAKSHMI. S.	2016 / II Year
30.	16SEE009	GOPAL JEE KESHRI	2016 / II Year
31.	16SEE010	GOPANU RUSHENDRA	2016 / II Year
32.	16SEE011	GURRALA TIRUPATHI NARASIMHA REDDY	2016 / II Year
33.	16SEE012	GURRAM VINAY	2016 / II Year
34.	16SEE961	HEMA PRIYA. R.	2016 / II Year
35.	16SEE913	IJAZ AHMED. T.	2016 / II Year



Course : Solar Photovoltaic Technology

Course : Sensor Applications using Arduino and Raspberry Pi



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SCHOOL OF ELECTRICAL AND ELECTRONICS
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Organizes Value Added Course on

**SENSOR APPLICATIONS USING ARDUINO AND RASPBERRY
Pi**

FROM 08.01.18 TO 12.01.18

DR. S. RAMESH
**DEPT. OF ELECTRONICS AND COMMUNICATION
ENGINEERING**
JEPPIAAR ENGINEERING COLLEGE, CHENNAI

Conveners

Dr.N.M.Nandhitha, Prof. & Dean
Dr.V.Sivachidambaranathan, Prof.& Head

Organizers

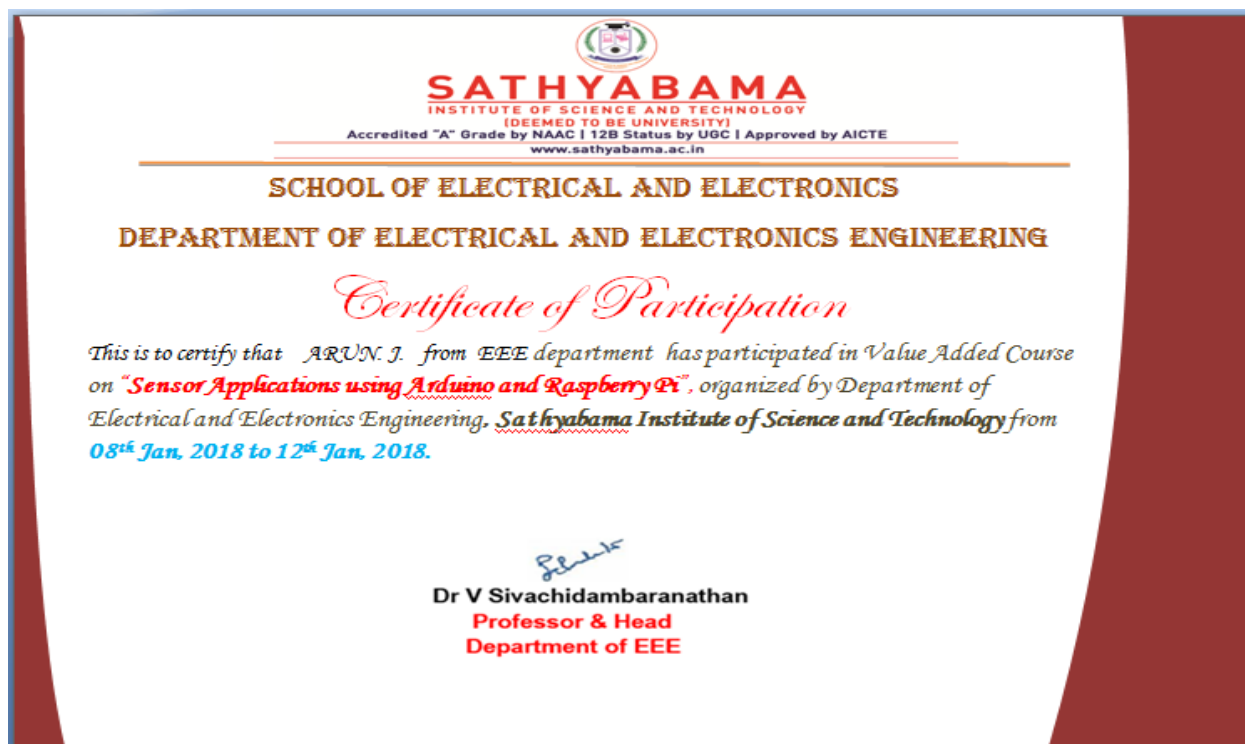
Mr.S.Nirmalraj, Asst Prof.
Mrs.V.Elanangai, Asst. Prof.
Dr.Radhika, Asso. Prof.

*No Registration Fee
Certificate will be provided*

Course Schedule : Sensor Applications using Arduino and Raspberry Pi

Date	Time	Name of the Expert & Affiliation	Topic	Contents
08.01.18	8.00 AM - 12.00 Noon 1.00 PM – 3.00 PM	Dr.S.Ramesh, Dept. of Electronics and Communication Engineering, Jeppiaar Engineering College, Chennai	Sensor Applications using Arduino and Raspberry Pi	Comparative Study on Various System Based on Raspberry-Pi Technology
09.01.18				Arduino based home automation using Internet of things (IoT)
10.01.18				IoT based Temperature and Humidity Controlling using Arduino and Raspberry Pi
11.01.18				Home Automation using Voice Via Bluetooth Through Raspberry PI 3
12.01.18				Miniature Autonomous Vehicle Development using Raspberry Pi

Course Certificate



Participant : Sensor Applications using Arduino and Raspberry Pi

S.No	Roll No	Name of the Student	Batch/Year
1.	16SEE519	SURENDAR. S.	2016 / II Year
2.	16SEE024	TEKI RAJESH	2016 / II Year
3.	16SEE976	THIYANESHWARI. M.	2016 / II Year
4.	16SEE977	VAHINI. R.	2016 / II Year
5.	16SEE901	VENISHETTY AKSHAY	2016 / II Year
6.	16SEE026	VIGNESH. S.	2016 / II Year
7.	16SEE978	VIJAYAKUMAR. S.	2016 / II Year
8.	16SEE979	VINITHA. B.	2016 / II Year
9.	16SEE805	VINITHA. I.	2016 / II Year
10.	16SEE806	VUDAVAGANDLA DEEPA VANI	2016 / II Year
11.	16SEE907	YADHANAPARTHI SAIKRISHNA	2016 / II Year
12.	16SEE980	YAMUNA. M.	2016 / II Year
13.	16SEE981	YAZHINI. M.	2016 / II Year
14.	16SEE520	YUVANESAVAN. M.	2016 / II Year
15.	16SEE521	YUVARAJ. V.	2016 / II Year
16.	16SEE527	AFSAL AHAMED. A.	2016 / II Year
17.	16SEE526	VINEET CHADALAVADA	2016 / II Year
18.	17SLEE701	GADDE NAGA VAMSI	2016 / II Year
19.	17SLEE702	ILLAM PARUTHI C	2016 / II Year



Course : Sensor Applications using Arduino and Raspberry Pi

Course : Advanced Control in Smart grid



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School of Electrical and Electronics
Department of Electrical and Electronics Engineering

**Organizes Value Added Course
on
Advanced Control in Smart grid**

From 19.02.18 To 23.02.18
8.00 am to 3.00 pm

Resource Person
Mr. Gopalan,
RIPE consultancy services,
Chennai

Convener

Dr.N.M.Nadhitha

Prof. & Dean, So EE

Dr.V.Sivachidambaranathan

Prof. & Head, Dept. of EEE

Coordinator

Mrs.Geetha

Mrs.M.Pushpavalli

Mrs.Abirami

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Course Schedule : Advanced Control in Smart grid

Date	Time	Name of the Expert & Affiliation	Topic	Contents
19.02.18	8.00 AM - 12.00 Noon 1.00 PM – 3.00 PM	Mr.Gopalan,RIPE consultancy services,chennai	Advanced Control in Smart grid	Distribution System Planning: DERs and the Smart Grid
20.02.18				Introduction to Smartgrid Ecosystem
21.02.18				HVDC Macrogrid Design
22.02.18				The Power Electronics-Enabled Smart Grid
23.02.18				Electric Grid Resilience

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SCHOOL OF ELECTRICAL AND ELECTRONICS

Certificate

THIS IS TO CERTIFY THAT

GANJI VENKATA PAVAN

HAS SUCCESSFULLY PARTICIPATED IN VALUE ADDED COURSE ON|

"ADVANCED CONTROL IN SMART GRID" ORGANIZED BY DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY FROM

19.02.18-23.02.18



Dr .V .Sivachidambaranathan,
Professor & Head
Department of EEE
School of EEE

Participants: Advanced Control in Smart grid

S.No	Roll No.	Name of the Student	Batch/Year
1.	14SEE311	DIVYA DEEPTHI CHALUMURI	2014 / IV Year
2.	14SEE501	ELAKKIYA SELVAN. E	2014 / IV Year
3.	14SEE628	GADDE ISAAC ANKITH	2014 / IV Year
4.	14SEE651	GANJI VENKATA PAVAN	2014 / IV Year
5.	14SEE646	GARAPATI BHAVYA LAHARI	2014 / IV Year
6.	14SEE704	GARIKIPATI BHARGAV GOPALA KRISHNA	2014 / IV Year
7.	14SEE302	GLADY CORDELIA. J	2014 / IV Year
8.	14SEE157	GOKUL RAAJ. V	2014 / IV Year
9.	14SEE111	GOKUL SAI. G. L	2014 / IV Year
10.	14SEE640	GUDURU INDU	2014 / IV Year
11.	15SEE149	PANCHALA SAIKUMAR	2015 / III Year
12.	15SEE136	PASALA BOBBY SUDHEER	2015 / III Year
13.	15SEE137	PASTAM VYSHNAVI	2015 / III Year
14.	15SEE103	PATHAN AMZADKHAN	2015 / III Year
15.	15SEE962	PAVITHRA.S	2015 / III Year
16.	15SEE142	PEDDAPALLE SAINATH REDDY	2015 / III Year
17.	15SEE138	POKURI SAI SINDHUJA	2015 / III Year
18.	15SEE139	POLISETTY MEHAR SATYA GUNESH	2015 / III Year
19.	15SEE140	POTHURI SAI SUMANTH	2015 / III Year
20.	15SEE523	PRABU.M	2015 / III Year
21.	16SEE958	DHANALAKSHMI. S.	2016 /II Year
22.	16SEE959	DHANUSH. R.	2016 /II year



Course : Advanced Control in Smart grid

Course : Advancements in Electrical vehicles



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DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

Organizes
a
Value Added Course
on

Advancements in Electrical vehicles

Date : From 12.03.18-17.03.18

Resource person:
Mr. Senthil Nayagam
Assistant Professor,
EEE Department,
Sathyabama Institute of
Science and Technology,
Chennai

Conveners: Dr. N.M.Nandhitha Dean/EEE
Dr.V. Sivachidambaramanathan, HOD/EEE
Organizers: Mrs. Bharathi
Mr. Padmanaban
EEE Department
Sathyabama Institute of Science and
Technology, Chennai

Registration Free

Course Schedule: Advancements in Electrical vehicles

Date	Time	Name of the Expert & Affiliation	Topic	Contents
12.03.18	8.00 AM - 12.00 Noon 1.00 PM – 3.00 PM	Mr.Senthil Nayagam Assistant Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai	Advancements in Electrical vehicles	Optimal Design of a Hybrid Electric Car with Solar Cells
13.03.18				Charging Technologies For Commercial Electric Vehicles
14.03.18				Improving Electric Vehicle Performance Using Photovoltaic Cells
15.03.18				Challenges and Opportunities for Electric Vehicle Adoption
17.03.18				Ride Blending Control for Electric Vehicles

Course Certificate



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that Koushik Sarkar from EEE department has participated in Value Added Course on "Advancements in Electrical vehicles", organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from 12.03.18-17.03.18.


Dr V Sivachidambaramanathan
Professor & Head
Department of EEE

Participants: Advancements in Electrical vehicles

S.No	Roll No.	Name of the Student	Batch/Year
1.	14SEE684	KASETTY NARASIMHA	2014 / IV Year
2.	14SEE120	KATTULA SAISRITEJ	2014 / IV Year
3.	14SEE121	KILARU SAITEJA	2014 / IV Year
4.	14SEE122	KISHORE KUMAR. S	2014 / IV Year
5.	14SEE654	KODAKANDLA AKHIL	2014 / IV Year
6.	14SEE153	KONDREDDY SAI VAMSI KRISHNA REDDY	2014 / IV Year
7.	14SEE159	KOTA SANJEEV VISHAL	2014 / IV Year
8.	14SEE123	KOUSHIK SARKAR	2014 / IV Year
9.	14SEE630	KOVVURU RAVI TEJA	2014 / IV Year
10.	14SEE313	KRANTHI. K	2014 / IV Year
11.	14SEE697	KUKKADAPU MOUNIKA DEVI	2014 / IV Year
12.	14SEE686	KUNDA SANATH KUMAR REDDY	2014 / IV Year
13.	14SEE622	KUNDETI SRI VENKATANAGA VAMSI	2014 / IV Year
14.	14SEE315	LAKSHMI PREETHI. P. S	2014 / IV Year
15.	14SEE656	LINGUTLA SIVA KRISHNA	2014 / IV Year
16.	14SEE125	LOUIS A CHAKRAMAKAL	2014 / IV Year
17.	14SEE680	MALIGIREDDY SAIDEEP REDDY	2014 / IV Year
18.	14SEE679	MALLU JAYA SREEKANTH REDDY	2014 / IV Year
19.	14SEE705	MANIMEGALAI. S	2014 / IV Year
20.	14SEE668	MANOJ. G	2014 / IV Year
21.	15SEE114	GANGULA HEMANTH REDDY	2015 /III Year
22.	15SEE972	GANJI VEERA SIVA LEELA	2015 /III Year
23.	15SEE959	GOMATHI.R	2015 /III Year
24.	15SEE112	GUDLAVALLETI VENKATA RAGHADEEPIKA	2015 /III Year
25.	15SEE116	GUMMALLA MANOJ KUMAR	2015 /III Year
26.	15SEE527	GUNARAJ.C	2015 /III Year
27.	15SEE117	GUNTHA LOHITH KUMAR	2015 /III Year
28.	15SEE118	HARISHANKAR.K	2015 /III Year
29.	15SEE801	JACKULIN STEPHY.V	2015 /III Year
30.	16SEE961	HEMA PRIYA. R.	2016 /II Year
31.	16SEE913	IJAZ AHMED. T.	2016 /II Year



Course : Advancements in Electrical vehicles