



SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)**

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

Department of Electrical and Electronics Engineering

Value Added Courses (2018-2019)

- Emerging Technologies enabling Internet of Things
- Trends in Smart Grid
- Design and Installation of Solar PV
- Design and Development of Product in Power Electronics
- Arduino Programming and Interfacing

Course : Emerging Technologies enabling Internet of Things

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Department of Electrical and Electronics Engineering
Organizes
Value Added course
on

**Emerging Technologies enabling
Internet of Thing**



Date: From 7.07.2018 To 29.09.2018
Time: 08.00-03.00 PM

Conveners	Resource Person
Dr. N.M.Nandhitha Prof & Dean/EEE Dr.V.Sivachidambaranathan, Prof & Head /EEE	Mr.Rajesh Digital Shark Technology Pvt Ltd – Authorized partner for Texas Instruments (India) University Program

Organizers

Dr. D. Susitra, Asso. Prof/EEE
Dr. S. Radhika, Asso. Prof/EEE
Mrs.V.Meenakshi, Asst. Prof /EEE

No Registration fee !!!
Certificate will be provided

Course Schedule : Emerging Technologies enabling Internet of Things

Time : 8.00 A.M. – 12.00 Noon

Resource Person : Mr.Rajesh,, Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India) University Program

Date	Contents
7.7.18	Emerging Technologies enabling internet of Things
14.7.18	• Applications on IoT - Home and Building automation - Industries - Energy - Medical and Health Care - Transportation Environment
21.7.18	• Interfacing hardware with Launchpad
28.7.18	Reading analog value from sensor
4.8.18	Controlling on board LED using smart phone and display on serial monitor
11.8.18	PWM based speed control of motor controlled by potentiometer connected to GPIO
18.8.18	SCADA
25.8.18	Smart Metering
1.9.18	Smart Grid
8.9.18	Building Automation
15.9.18	Setting up the Arduino board in Windows to collect data and send it through HTTP to the web
22.9.18	Demo and hands on session using Energia
29.9.18	Hands on using wi fi boards using Energia.

Certificate: Emerging Technologies enabling Internet of Things



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

E – Certificate

This is to certify **Mr.PRABU.M**

has participated in Value Added Course on “**Emerging Technologies enabling Internet of Things**” organized
by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering
from 7th July, 2018 to 29th September, 2018.


Dr V Sivachidambaranathan
Professor & Head
Department of EEE


Dr N M Nandhitha
Professor & Dean
School of EEE

Participants

S.No	Roll No.	Name of the Student	Batch/Year
1.	15SEE138	POKURI SAI SINDHUJA	2015 /IV Year
2.	15SEE139	POLISSETTY MEHAR SATYA GUNESH	2015 /IV Year
3.	15SEE140	POTHURI SAI SUMANTH	2015 /IV Year
4.	15SEE523	PRABU.M	2015 /IV Year
5.	15SEE514	PRADEEP RAJAN.P	2015 /IV Year
6.	16SEE959	DHANUSH. R.	2016 / III Year
7.	16SEE960	DIVYADHARSHINI. G.	2016 / III Year
8.	16SEE008	DONIPARTHI SRINIVASA SAI SUMANTH	2016 / III Year
9.	16SEE916	DUWARAGA. W.	2016 / III Year
10.	16SEE027	GIRIDHAR. V. S.	2016 / III Year
11.	17SEE921	DIVAGAR M	2017 / II Year
12.	17SEE948	ELAKKIYA M	2017 / II Year
13.	17SEE009	GAJJALA JOSHUA ABHISHEK KUMAR	2017 / II Year
14.	17SEE008	GANJI SAI BALAJI REDDY	2017 / II Year
15.	17SEE913	GAYATHRI V	2017 / II Year



Course : Emerging Technologies enabling Internet of Things

Course : Trends in smart grid



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Trends in Smart Grid



Date: From 1.10.2018 to 6.10.2018
Time: 08.00-03.00 PM

Conveners	Resource Person
Dr. N.M.Nandhitha Prof & Dean/EEE	Mr.Gopalan RIPE consultancy services,chennai
Dr.V.Sivachidambaranathan, Prof & Head /EEE	

Organizers

Dr. S.D. Sundarsigh, Asso. Prof/EEE
Dr. G.T.Sundarrajan, Asso. Prof/EEE
Dr.Godwin, Asst. Prof /EEE

No Registration fee !!!
Certificate will be provided

Course Schedule: Trends in smart grid

Date	Time	Name of the Expert & Affiliation	Topic	Contents
01.10.18	8.00 AM - 12.00 Noon 1.00 PM - 3.00 PM	Mr.Gopalan RIPE consultancy services,chennai	Trends in Smart Grid	Intelligent Protection Schemes for Renewable Energy Integration
03.10.18				Application of A.I. in Energy
04.10.18				Data-driven Autonomous Grid Dispatch and Control Based on PMU Measurements
05.10.18				Smart Meter Data Analytics
06.10.18				Power Grid Resiliency for Adverse Conditions & the Role of Renewable Energy Resources and Microgrids

Course Certificate



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Certificate

This is to certify that **MS.SHOBANA.S** has participated in Value Added Course on “**Trends in Smart Grid**” organized by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering from 1st October, 2018 to 6th October, 2018.


Dr V Sivachidambaranathan
Professor & Head
Department of EEE


Dr N M Nandhitha
Professor & Dean
School of EEE

Participant: Trends in smart grid

S.No	Roll No.	Name of the Student	Batch/Year
1.	15SEE147	RISHI KESH PRAKASH	2015 /IV Year
2.	15SEE148	SAGARDEEP DAS	2015 /IV Year
3.	15SEE973	SATHYAVATHI.P	2015 /IV Year
4.	15SEE966	SHABANA.A	2015 /IV Year
5.	15SEE516	SHARAN KUMAR.P	2015 /IV Year
6.	15SEE517	SHAUN LEWELLYN PRIM	2015 /IV Year
7.	15SEE967	SHOBANA.S	2015 /IV Year
8.	15SEE519	SIDDHARTHA GOGOI	2015 /IV Year
9.	15SEE968	SUNDARI.K	2015 /IV Year
10.	15SEE520	SURAGANI THIRUPATHIRAO	2015 /IV Year
11.	15SEE806	SURUTHI.R	2015 /IV Year
12.	15SEE150	SUSHMITA MAHATO	2015 /IV Year
13.	15SEE969	TAMIL SELVI.K	2015 /IV Year
14.	15SEE521	TONY KORUTHU VATTACHAKAL	2015 /IV Year
15.	15SEE970	TUMMALA DILEEP KUMAR	2015 /IV Year
16.	15SEE971	UMA MAHESWARI.S	2015 /IV Year
17.	15SEE805	VIJAYALAKSHMI.R	2015 /IV Year
18.	15SEE151	YAKUB SAHEB GARI GHOUSE HUSSAIN BASHA	2015 /IV Year
19.	16SLEE704	AINDRILA DEY	2015 /IV Year
20.	16SLEE701	BATTU GOPI CHANDU	2015 /IV Year
21.	16SEE918	ROHAN RAJ	2016 /III Year
22.	16SEE972	SABARESWARI. S.	2016 /III Year
23.	16SEE922	SAGILI VIJAY KUMAR	2016 /III Year
24.	16SEE001	SAI SUMANTH. A. B. V.	2016 /III Year
25.	16SEE517	SAKTHIVEL. N.	2016 /III Year
26.	16SEE923	SARUMATHI. T.	2016 /III Year
27.	16SEE518	SAYAN GHOSH	2016 /III Year
28.	17SEE008	GANJI SAI BALAJI REDDY	2017 /II Year
29.	17SEE913	GAYATHRI V	2017 /II Year
30.	17SEE010	HARI HARAN	2017 /II Year
31.	17SEE804	HARSHA VARDHAN E	2017 /II Year



Course: Trends in smart grid

Course : Design and Installation of Solar PV

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Value Added course
on
Design and Installation of Solar PV



Date: From 12.11.2018 to 16.11.2018
Time: 08.00-03.00 PM

Conveners	Resource Person
Dr. N.M.Nandhitha Prof & Dean/EEE	Mr.Sayan Datta Assistant Engineer, SFD Engineers, New Delhi
Dr.V.Sivachidambaranathan, Prof & Head /EEE	

Organizers

Dr. Abitha.W Asso. Prof/EEE
Dr.Godwin, Asso. Prof/EEE
Dr. Ramesh Babu, Asst. Prof/EEE

No Registration fee !!!
Certificate will be provided

Course Schedule : Design and Installation of Solar PV

Date	Time	Name of the Expert & Affiliation	Topic	Contents
12.11.18	8.00 AM - 12.00 Noon 1.00 PM – 3.00 PM	Mr.Sayan Datta Assistant Engineer, SFD Engineers, New Delhi	Design and Installation of Solar PV	PV System Sizing Principles and configurations
13.11.18				Site Conditions and System Efficiency
14.11.18				NEC Requirements for PV Systems
15.11.18				Troubleshooting PV System Components
16.11.18				Logical Troubleshooting Approach

Course Certificate



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Certificate

This is to certify that **Mr.VINEET CHADALAVADA** has participated in Value Added Course on “**Design and Installation of Solar PV**” organized by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering from 12th November 2018 to 16th November 2018.



Dr V Sivachidambaranathan
Professor & Head
Department of EEE



Dr N M Nandhitha
Professor & Dean
School of EEE

Course Participants: Design and Installation of Solar PV

S.No	Roll No.	Name of the Student	Batch/Year
1.	15SEE903	MATTAM KASYAP RAJ	2015 /IV Year
2.	15SEE129	MIDDE DIMPLE SONY SUPRIYA	2015 /IV Year
3.	15SEE130	MODIYAM VIKRAM REDDY	2015 /IV Year
4.	15SEE131	MUGESH.R	2015 /IV Year
5.	15SEE133	NAGA SUJITHKUMAR REDDY	2015 /IV Year
6.	15SEE134	NARAPUREDDY SANJEEVA KUMAR REDDY	2015 /IV Year
7.	15SEE512	NIHAL.J	2015 /IV Year
8.	15SEE804	NIVETHA.S	2015 /IV Year
9.	15SEE901	NOOPUR RAJ	2015 /IV Year
10.	15SEE149	PANCHALA SAIKUMAR	2015 /IV Year
11.	16SEE521	YUVARAJ. V.	2016 /III Year
12.	16SEE527	AFSAL AHAMED. A.	2016 /III Year
13.	16SEE526	VINEET CHADALAVADA	2016 /III Year
14.	17SLEE701	GADDE NAGA VAMSI	2016 /III Year
15.	17SLEE702	ILLAM PARUTHI C	2016 /III Year
16.	17SLEE704	KHUSHBOO	2016 /III Year
17.	17SLEE705	SUBHAM SARKAR	2016 /III Year
18.	17SLEE703	SUNDU VENKATA SAI REDDY	2016 /III Year
19.	17SEE503	DHINESH KUMAR P S	2017 /II Year
20.	17SEE007	DHIVYADHARSHINI M	2017 /II Year
21.	17SEE921	DIVAGAR M	2017 /II Year



Course : Design and Installation of Solar PV

Course : Design and Development of Product in Power Electronics

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Design and Development of Product in
Power Electronics



Date: From 7.1.2019 to 11.1.2019
Time: 08.00-03.00 PM

Conveners	Resource Person
<u>Dr. N.M.Nandhitha</u> Prof & Dean/EEE	Mrs Meenakshi Assistant Professor, Sathyabama Institute of Science and Technology
<u>Dr.V.Sivachidambaranathan,</u> Prof & Head /EEE	

Organizers

Dr. D. Susitra, Asso. Prof/EEE
Dr. S. Radhika, Asso. Prof/EEE
Mrs.V.Meenakshi, Asst. Prof/EEE

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Course Schedule: Design and Development of Product in Power Electronics

Date	Time	Name of the Expert & Affiliation	Topic	Contents
07.01.19	8.00 AM - 12.00 Noon 1.00 PM – 3.00 PM	Mrs Meenakshi Assistant Professor, Sathyabama Institute of Science and Technology	Design and Development of Product in Power Electronics	Two Level Cascaded Inverter with Elimination of Low Frequency Harmonics Using Micro Controller
08.01.19				Optimal Residential Load Control with Price Prediction in Real-Time Electricity Pricing Environments
09.01.19				Transformer Efficiency Measuring Meter
10.01.19				Integrated Power Electronics Module
11.01.19				Power Electronic Devices and Applications

Course Certificate



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Certificate

This is to certify that **Ms. BHAVANI C**
has participated in Value Added Course on “**Design and Development of Product in Power Electronics**”
organized by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering from
07th January 2019 to 11th January 2019.


Dr V Sivachidambaranathan
Professor & Head
Department of EEE


Dr N M Nandhitha
Professor & Dean
School of EEE

Participants list

S.No	Roll No.	Name of the Student	Batch/Year
1.	15SEE136	PASALA BOBBY SUDHEER	2015 /IV Year
2.	15SEE137	PASTAM VYSHNAVI	2015 /IV Year
3.	15SEE103	PATHAN AMZADKHAN	2015 /IV Year
4.	15SEE962	PAVITHRA.S	2015 /IV Year
5.	15SEE142	PEDDAPALLE SAINATH REDDY	2015 /IV Year
6.	15SEE138	POKURI SAI SINDHUJA	2015 /IV Year
7.	15SEE139	POLISSETTY MEHAR SATYA GUNESH	2015 /IV Year
8.	15SEE140	POTHURI SAI SUMANTH	2015 /IV Year
9.	15SEE523	PRABU.M	2015 /IV Year
10.	15SEE514	PRADEEP RAJAN.P	2015 /IV Year
11.	16SEE014	MANIKANTA. M.	2016 /III Year
12.	16SEE510	MARIO JOSHUA. S.	2016 /III Year
13.	16SEE919	MODI SURYA MAHENDRA	2016 /III Year
14.	16SEE016	MODUSU AJAY REDDY	2016 /III Year
15.	16SEE968	MOGANA PRIYA. S.	2016 /III Year
16.	16SEE017	MOKA SAI SURYA PRAKASH	2016 /III Year
17.	16SEE525	MONISH. S.	2016 /III Year
18.	16SEE924	MUKHERJEE SANGRAMJITH SITAL	2016 /III Year
19.	16SEE904	MUTHUMARIYAMMAL. A.	2016 /III Year
20.	16SEE019	NISHANT KASHYAP	2016 /III Year
21.	17SEE905	ARUNA DEVI G	2017 /II Year
22.	17SEE004	AVINASH A	2017 /II Year
23.	17SEE906	BALASHANKAR M	2017 /II Year
24.	17SEE515	BHARATH P	2017 /II Year
25.	17SEE907	BHAVANA P	2017 /II Year
26.	17SEE908	BHAVANI C	2017 /II Year
27.	17SEE024	BIBHU ANAND	2017 /II Year



Course : Design and Development of Product in Power Electronics

Course : Arduino Programming and interfacing



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on
Arduino Programming and Interfacing



Date: From 11.02.2019 To 18.02.2019
Time: 08.00-03.00 PM

Conveners	Resource Person
Dr. N.M.Nandhitha Prof & Dean /EEE	Mr.Rajavelu SOE, bhavini Kalpakkam
Dr. V.Sivachidambaranathan, Prof & Head /EEE	

Organizers

Dr. S.D.Sundar Singh, Asso. Prof/EEE
Dr. Godwin, Asso. Prof/EEE
Dr.Ramesh Babu, Asst. Prof /EEE

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Course Certificate : Arduino Programming and interfacing

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Certificate This is to certify that Ms.BHAVYA. G. A. has participated in Value Added Course on “Arduino Programming and Interfacing” organized by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering from 11th Febrauary 2019 to 18th Febrauary 2019.
 Dr V Sivachidambaranathan Professor & Head Department of EEE  Dr N M Nandhitha Professor & Dean School of EEE

Course Schedule: Arduino Programming and interfacing

Date	Time	Name of the Expert & Affiliation	Topic	Contents
11.02.19	8.00 AM - 12.00 Noon 1.00 PM – 3.00 PM	Mr.Rajavelu, SOE, bhavini Kalpakkam	Arduino Programmin g and Interfacing	How to Interface Arduino with MALTAB
12.02.19				Hand Gesture Controlled Robot using Arduino
13.02.19				Getting Started with Arduino and MPU6050
14.02.19				Stepper Motor Control Using Arduino
18.02.19				Using Arduino with Python

Participants List

S.No	Roll No.	Name of the Student	Batch/Year
1.	15SEE802	JERLINE PRIYA DARSHINI.J	2015 / IV Year
2.	15SEE803	JESINTHA JENNIFER.V	2015 / IV Year
3.	15SEE508	JOSHUA DHARMARAJ.G	2015 / IV Year
4.	15SEE960	KALAIVANI.K	2015 / IV Year
5.	15SEE119	KANTETI SAI KRISHNA PRAKASH	2015 / IV Year
6.	15SEE509	KAPILKARAN.P	2015 / IV Year
7.	15SEE522	KARAN.M	2015 / IV Year
8.	15SEE510	KISHORE.S	2015 / IV Year
9.	15SEE120	KOLAGANI VENKATA SAI GANESH DEEPAK	2015 / IV Year
10.	15SEE121	KOLLA TEJA	2015 / IV Year
11.	16SEE951	AARTHI. M.	2016 /III Year
12.	16SEE523	ABHISHEK RAO. D.	2016 /III Year
13.	16SEE501	ABILASH. B.	2016 /III Year
14.	16SEE502	ABISHAK PRABU. S.	2016 /III Year
15.	16SEE503	AJAY JOBIN. J.	2016 /III Year
16.	16SEE906	AJAY STEPHEN. P.	2016 /III Year
17.	16SEE021	AJAYTHA NEYHA. R.	2016 /III Year
18.	16SEE002	AKSHAY KUMAR	2016 /III Year
19.	16SEE003	AKULA ESWAR TATA RAO	2016 /III Year
20.	16SEE952	ALLIMALAR. N.	2016 /III Year
21.	16SEE925	AMBER DATTA	2016 /III Year
22.	16SEE004	ARAVETI SAMHITH	2016 /III Year
23.	16SEE005	ARAVETI SAMHITHA	2016 /III Year
24.	16SEE504	ARUN. J.	2016 /III Year
25.	16SEE006	AVANISH VIBHU	2016 /III Year
26.	16SEE018	BALAJI. N.	2016 /III Year
27.	16SEE953	BHARATHITAMIL. P. M.	2016 /III Year
28.	16SEE954	BHAVANI. M.	2016 /III Year
29.	16SEE955	BHAVYA. G. A.	2016 /III Year
30.	16SEE956	BHUVANESHWARI. K.	2016 /III Year
31.	17SEE911	DEEPA S	2017 /II Year
32.	17SEE502	DEEPAN RAM K R	2017 /II Year
33.	17SEE005	DESALANKA SIVA SUBRAHMANYAM	2017 /II Year
34.	17SEE006	DEVERAKONDA ARUN RAO	2017 /II Year
35.	17SEE912	DHARSHINI D	2017 /II Year
36.	17SEE503	DHINESH KUMAR P S	2017 /II Year
37.	17SEE007	DHIVYADHARSHINI M	2017 /II Year
38.	17SEE921	DIVAGAR M	2017 /II Year
39.	17SEE948	ELAKKIYA M	2017 /II Year
40.	17SEE009	GAJJALA JOSHUA ABHISHEK KUMAR	2017 /II Year



Course : Arduino Programming and interfacing