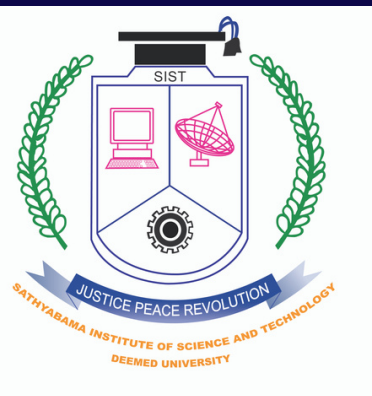




SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University)

School of Bio and Chemical Engineering
Department of Biomedical Engineering
offers

A value added course
on

BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK

Date: 3rd - 8th July, 2017

Duration: 30 Hours

Course Outcomes

To impart knowledge on

- Fundamentals of digital signal processing with particular emphasis on problems in biomedical research and clinical medicine.
- The principles and algorithms for processing both deterministic and random signals
- Enhance the programming knowledge of data acquisition, imaging, filtering, coding, feature extraction, and modeling
- Provide practical experience in processing physiological data, with examples from cardiology, speech processing, and medical imaging

Course Content

Biomedical Signals and Images

- ECG: Cardiac electrophysiology, relation of electrocardiogram (ECG) components to cardiac events, clinical applications.
- Imaging Modalities: Survey of major modalities for medical imaging: ultrasound, X-ray, CT, MRI, PET, and SPECT. MRI: Physics and signal processing for magnetic resonance imaging.

Fundamentals of Deterministic Signal and Image Processing

- Data Acquisition: Sampling in time, aliasing, interpolation, and quantization.
- Digital Filtering: Difference equations, FIR and IIR filters, basic properties of discrete-time systems, convolution.
- Image processing II: Interpolation, noise reduction methods, edge detection, homomorphic filtering.
- Image Segmentation: statistical classification, morphological operators, connected components.

Program Coordinator

Ms. Bethanne Janney J

Ms. Sindu Divakaran



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DEPARTMENT OF BIOMEDICAL ENGINEERING

BATCH 2014-2018

STUDENTS NAME LIST

(31/7/17) - 8/8/17

SL. NO	Register Number	Name	3/7	4/7	5/7	6/7	7/7	8/7
1	3424001	AARTHI S	p	p	p	p	p	a
2	3424002	ABHIMANYU DIVAKAR	p	a	p	p	p	p
3	3424003	ABINAYA R	p	p	p	p	p	a
4	3424004	ABIYA MONCY VARUGHESE	a	p	p	p	p	p
5	3424005	AJITH A	p	p	a	a	p	p
6	3424006	AKSHAYA S	p	p	p	p	p	p
7	3424007	AKSHAYA V	p	p	p	p	p	p
8	3424008	AMALA JENITH JOSHI R	p	p	p	p	p	a
9	3424009	ANBU SELVI. S	p	a	p	a	p	p
10	3424010	ANNLY DANIEL	p	p	p	p	p	p
11	3424011	ASRITHA T M	p	p	p	p	p	p
12	3424012	AUROBINDHAN S	p	p	p	a	p	p
13	3424013	BEEMA SITHIHA	p	p	p	p	p	a
14	3424015	BHURNIMA U	p	a	p	a	p	a
15	3424018	DEEPTHI RAJ D L	a	p	p	p	p	p
16	3424020	DILIT K JOSE	p	p	p	p	p	p
17	3424021	DINESH U	p	p	a	p	p	p
18	3424022	ELAKKIYA J	p	p	p	p	p	p
19	3424023	ELIZABETH LUKOSE	p	p	p	a	p	p
20	3424024	GEETHA B	p	a	p	a	p	p
21	3424025	HAMDAN HASAN THALHATH	p	p	p	p	p	p
22	3424026	HARITHA D	p	p	p	p	p	a
23	3424027	HURSHIKA SUZMA A B	p	p	p	p	p	p
24	3424030	JAYAVANI S	p	p	p	p	p	p
25	3424031	JESSIE CHRISTILDA J	p	p	p	p	a	p
26	3424032	KANIMOZHI G	p	p	p	p	p	p
27	3424033	KARISHMA ANNA KOSHY	p	p	p	a	a	p
28	3424034	KEZIAH JACOB SOUZA	p	p	p	p	a	p
29	3424035	KHUDSIYA AFSHAN	a	p	p	p	p	p
30	3424036	KOTTIPALLI PRATHYUSHA	p	p	p	p	p	p
31	3424037	LAKSHMI V N	p	p	p	p	a	p
32	3424038	LAVANYA S	p	p	p	a	p	a
33	3424039	MADHAVAN DEEPIKA	p	p	p	a	p	a
34	3424040	MANDALA NISHITHA YADAV	p	p	p	p	p	a
35	3424041	MANSHA JAYAN	p	p	p	p	p	p
36	3424042	MERIN MATHEW	a	p	p	p	a	p
37	3424044	NANCY BASILICA S	p	p	p	a	a	p
38	3424045	PALSIKAR MRUNAL MOHAN	p	p	a	p	p	a



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SL. NO	Register Number	Name						
39	3424046	PANCHAMI	P	P	P	a	P	P
40	3424047	PAVIN BIN ZACHARIAH	P	P	P	P	P	P
41	3424048	PAVITHRA A	P	P	P	P	P	P
42	3424049	PEDDIREDDY SRIKANTH REDDY	P	P	P	P	P	P
43	3424051	RAVIRAJAN U	P	P	P	P	P	P
44	3424055	RUMEL I SARANGI	P	P	P	P	P	P
45	3424056	SAMSUDEEN AS	P	P	P	P	P	P
46	3424058	SARASWATHI MANOJ KUMARRAJU	P	P	P	P	P	P
47	3424059	SATHISHKUMAR V	P	P	P	P	P	P
48	3424060	SAUMYA SAM GEORGE	P	P	P	P	P	P
49	3424061	SHANCHITA B	P	P	P	P	P	P
50	3424062	SHELICY MARY JO	P	P	P	P	P	P
51	3424063	SIDHARTH N P	P	P	P	P	P	P
52	3424064	SINDHUJA MARY S	P	P	P	P	P	P
53	3424065	SIVAPRIYA V G	P	P	P	P	P	P
54	3424066	SIVARANJANI S	P	P	P	P	P	P
55	3424067	SUMAN KAR	P	P	P	P	P	P
56	3424068	SHWETA A ABRAHAM	P	P	P	P	P	P
57	3424070	UMA MAHESWARI V R	P	P	P	P	P	P
58	3424071	VENKATA SENTHIL VASAN V	P	P	P	P	P	P
59	3424072	VIGNESH P M	P	P	P	P	P	P
60	3424073	VISHAL E	P	P	P	P	P	P

Program Co-ordinator

Ms. Bethanney Tanney. J

Ms Sindu Divakaran

[Handwritten signature]
[Handwritten signature]

[Handwritten signature]
MOD. Signature
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOMEDICAL ENGINEERING
SATHYABAMA
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CERTIFICATE OF APPRECIATION

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This is to certify that Mr./Ms. ABINAYA R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07.2017 to 08.07.2017.

Ms. Sindu Divakaran
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BIOMEDICAL

Dr. Bethanney Janney J
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This is to certify that Mr./Ms. AKSHAYA S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07.2017 to 08.07.2017.

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This is to certify that Mr./Ms. ANBU SELVI .S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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.....

This is to certify that Mr./Ms. AUROBINDHAN S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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This is to certify that Mr./Ms. BEEMA SITHIHA student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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.....

This is to certify that Mr./Ms. DILIT K JOSE student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07.2017 to 08.07.2017.

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This is to certify that Mr./Ms. ELIZABETH LUKOSE student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

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This is to certify that Mr./Ms. JESSIE CHRISTILDA J student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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This is to certify that Mr./Ms. KARISHMA ANNA KOSHY student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07.2017 to 08.07.2017.

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This is to certify that Mr./Ms. KHUDSIYA AFSHAN student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

.....

This is to certify that Mr./Ms. MADHAVAN DEEPIKA student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

.....

This is to certify that Mr./Ms. NANCY BASILICA S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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This is to certify that Mr./Ms. PANCHAMI student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07.2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

.....

This is to certify that Mr./Ms. PAVIN BIN ZACHARIAH student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

.....

This is to certify that Mr./Ms. RAVIRAJAN U student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

.....

This is to certify that Mr./Ms. SAUMYA SAM GEORGE student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

.....

This is to certify that Mr./Ms. SHWETA A ABRAHAM student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

.....

This is to certify that Mr./Ms. **SIDHARTH N P** student of Biomedical Engineering has successfully completed the 30 hours Value added course on “**BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK**” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

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CERTIFICATE OF APPRECIATION

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This is to certify that Mr./Ms. SIVAPRIYA V G student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07. 2017 to 08.07.2017.

Ms. Sindu Divakaran
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Dr. Bethanne Janney J
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CERTIFICATE OF APPRECIATION

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This is to certify that Mr./Ms. VISHAL E student of Biomedical Engineering has successfully completed the 30 hours Value added course on “BIOSIGNAL AND IMAGE PROCESSING USING NEURAL NETWORK” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 03.07.2017 to 08.07.2017.

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A value added course
on

DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT

Date: 7th - 12th August, 2017

Duration: 30 Hours

Course Outcomes

- Provide hands on training and preliminary troubleshootal care equipment's
- Train to perform basic system setups, disassemble the unit and replace all serviceable components.
- The in-depth knowledge of the equipment's will give the participants a fruitful learning experience.

Course Content

- Cardiac Defibrillators - DC Defibrillator
- Surgical diathermy machine – Principle – Working Hazards and safety aspects in ESU
- Haemodialysis Machines - Artificial Kidney - Dialyzers - Membranes
- Heart Lung Machine – Oxygenators-Pumps
- Anesthesia Machine –Components - Electronics in Anesthesia machine, Ventilators
- Infusion Pumps- Components- Implantable infusion pumps
- Insulin Pumps- Syringe Pumps
- Incubators-Radiant Warmer – Phototherapy Units

Program Coordinator

Dr. S. Krishnakumar

Ms. Sindu Divakaran



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DEPARTMENT OF BIOMEDICAL ENGINEERING

BATCH 2015-2019

STUDENTS NAME LIST (7/8/17 - 12/8/17)

S. No	Register Number	Name of the Student	7/8	8/8	9/8	10/8	11/8	12/8
			P	P	P	P	P	P
1	3524001	Abdullah.S	P	P	P	P	P	P
2	3524002	Abhijit Goswami	P	P	P	P	P	P
3	3524003	Ahamed Refai. H	P	P	P	P	P	P
4	3524004	Ajit Thomas	P	P	P	P	P	P
5	3524005	Antony Josephine Snowfy. W	P	P	P	P	P	P
6	3524006	Antony Shruti. P	P	P	P	P	P	P
7	3524008	Anusuyaa Mohandass	P	P	P	P	P	P
8	3524011	Bennet Lintu Babu	P	P	P	P	P	P
9	3524013	Christe Mathew	P	P	P	P	P	P
10	3524015	Gopal Samy. G	P	P	P	P	P	P
11	3524016	Harish. R	P	P	P	P	P	P
12	3524017	Hasti Chandu Priya	P	P	P	P	P	P
13	3524018	Hema Malini. J	P	P	P	P	P	P
14	3524019	Jafor Daniel Barbhuiya	P	P	P	P	P	P
15	3524021	Jenny Ann Verghese	P	P	P	P	P	P
16	3524022	Jessica Lavina Fernandez. J	P	P	P	P	P	P
17	3524023	Jini Jacob. Y	P	P	P	P	P	P
18	3524024	Joseph Anish Joy .C	P	P	P	P	P	P
19	3524025	Joshin Sharon. S	P	P	P	P	P	P
20	3524026	Jospine Shiney. M. R	P	P	P	P	P	P
21	3524027	Kaishetty Sirisha	P	P	P	P	P	P
22	3524028	Kezia George	P	P	P	P	P	P
23	3524029	Kowsalya. K	P	P	P	P	P	P
24	3524030	Likhitha Kiliyelathu Paul	P	P	P	P	P	P
25	3524031	Lintu Abraham	P	P	P	P	P	P
26	3524032	Manoj Kumar. R	P	P	P	P	P	P
27	3524033	Meena. R	P	P	P	P	P	P
28	3524035	Mohammed Ibrahim. R	P	P	P	P	P	P
29	3524036	Monika. K	P	P	P	P	P	P
30	3524037	Nagaraj. R. S	P	P	P	P	P	P
31	3524038	Nancy Naves. M. J	P	P	P	P	P	P
32	3524039	Nandanakrishna. S	P	P	P	P	P	P
33	3524040	Nandhini .M	P	P	P	P	P	P
34	3524041	Nandhini. P	P	P	P	P	P	P
35	3524043	Naveen. C	P	P	P	P	P	P
36	3524045	Niranjana. P	P	P	P	P	P	P
37	3524046	Niranjani Khanna Ramdas	P	P	P	P	P	P



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S. No	Register Number	Name of the Student						
38	3524047	Nisha. V. S	P	P	P	P	P	P
39	3524048	Nivetha. S	P	P	P	P	P	P
40	3524050	Prathibha Prabhakaran	P	P	P	P	P	P
41	3524051	Priscy Deborah. S	P	P	P	P	P	P
42	3524052	Ragul. V	P	P	P	P	P	P
43	3524053	Raj Tilak Bharali	A	P	P	P	P	P
44	3524054	Ramya. R. C	P	P	P	P	P	P
45	3524055	Rangineni Durga Prasad	P	P	P	P	P	P
46	3524056	Rayshma. V	P	P	P	P	P	P
47	3524059	Sanjana Shajan	P	P	P	P	P	P
48	3524060	Sanjana Suresh	P	P	P	P	P	P
49	3524062	Shakthi. R	P	P	P	P	P	P
50	3524064	Shiva Pranav Reddy	P	P	P	A	P	P
51	3524066	Soundarya. T	P	P	P	P	P	P
52	3524067	Srilaya. S	P	P	P	P	P	P
53	3524068	Subecksha. A	P	P	P	P	P	P
54	3524069	Sudhan. Y	P	P	P	P	P	P
55	3524070	Sumitha. P	P	P	P	P	P	P
56	3524071	Syed Abdul Wajid. S. C	P	P	P	P	P	P
57	3524072	Udayaraja. S	P	P	P	P	P	P
58	3524074	Viswa Bavana. V. R	P	P	P	P	P	P
59	3524075	Yashwanthini. N	P	P	P	P	P	P
60	3524801	Rima Dutta	P	P	P	P	P	P

Program Co-ordinator

Dr S. Krishnakumar

MS Sindu Divakaran

T. Sudhakar
12/8/17
HOD Signature
HEAD OF THE DEPARTMENT
DEPARTMENT OF BIOMEDICAL ENGINEERING
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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. ABDULLAH.S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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PROGRAM CO-ORDINATOR

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **ANTONY JOSEPHINE SNOWFY. W** student of Biomedical Engineering has successfully completed the 30 hours Value added course on “**DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT**” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from **07.08.2017** to **12.08.2017**.

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. ANUSUYAA MOHANDASS student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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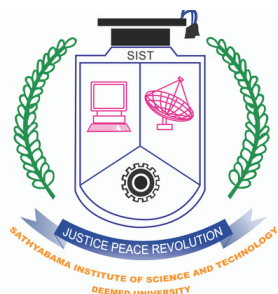
CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. CHRISTE MATHEW student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. **HASTI CHANDU PRIYA** student of Biomedical Engineering has successfully completed the 30 hours Value added course on “**DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT**” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from **07.08.2017** to **12.08.2017**.

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This is to certify that Mr./Ms. JAFOR DANIEL BARBHUIYA student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. JINI JACOB. Y student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. **KEZIA GEORGE** student of Biomedical Engineering has successfully completed the 30 hours Value added course on “**DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT**” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from **07.08.2017** to **12.08.2017**.

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This is to certify that Mr./Ms. LINTA ABRAHAM student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. MANOJ KUMAR. R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. **MONIKA. K** student of Biomedical Engineering has successfully completed the 30 hours Value added course on “**DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT**” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from **07.08.2017 to 12.08.2017**.

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This is to certify that Mr./Ms. NAGARAJ. R. S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. NANDHINI .M student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **NIRANJANI KHANNA RAMDAS** student of Biomedical Engineering has successfully completed the 30 hours Value added course on “**DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT**” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from **07.08.2017** to **12.08.2017**.

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **PRATHIBHA PRABHAKARAN** student of Biomedical Engineering has successfully completed the 30 hours Value added course on “**DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT**” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from **07.08.2017** to **12.08.2017**.

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. RAMYA. R. C student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. RIMA DUTTA student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. SHAKTHI. R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. SUBEEKSHA. A student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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This is to certify that Mr./Ms. UDAYARAJA. S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “DESIGN AND APPLICATION OF HEALTH CARE EQUIPMENT” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 07.08.2017 to 12.08.2017.

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A VALUE ADDED COURSE ON ARDUINO: A BASIC OVERVIEW

Date: 22nd - 27th January, 2018

Duration: 30 Hours

Course Outcomes

- **How to deploy program into Arduino and use it wirelessly**
- **Build your own applications and devices**
- **How to use ultrasonic sensor to detect obstacles**
- **How to setup the Arduino software and start outputting code**

Course Content

- **Types of Arduinos and it's features**
- **Installation and configuration**
- **Installation and setting up of Arduino IDE**
- **Hardware requirements**
- **Programming the hardware**
- **Compiling and Error debugging**
- **Circuit diagram**
- **Source code of the project**
- **Arduino Programming**
- **Real time demonstration of the project**

Program Coordinator

Dr. Grace Kanmani. P

Ms. Sindu Divakaran

(7)



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DEPARTMENT OF BIOMEDICAL ENGINEERING

BATCH 2016-2020

STUDENTS NAME LIST

(22/1/2018 - 27/1/2018)

S.No	Register Number	Name of the Student	22/1	23/1	24/1	25/1	26/1	27/1
1.	3624001	Abhijit Joshua. J	P	P	P	P	^	P
2.	3624003	Abirami. M	P	P		P		P
3.	3624004	Alka Sajeev	P	P	P	P		P
4.	3624006	Andrew John	P	P	P	P		P
5.	3624007	Angel Preethi. R	P	P	P	P		P
6.	3624008	Archanadevi. R	P	P	P	P		P
7.	3624009	Arivunila. R	P	P	P	P		P
8.	3624011	Ashwin. C. A.	P	P	P	P		P
9.	3624012	Avinash. S	P	P	P	P		P
10.	3624013	Aziyath Nisha. A	P	P	P	P		P
11.	3624014	Balaji Rayappan. C	a	P	P	P		P
12.	3624015	Balaji Vaishnavi	P	P	P	P		P
13.	3624017	Charan. M.A	P	P	P	P		P
14.	3624019	Chundru Purna Sai Krishna Sindhu	P	P	P	P		P
15.	3624020	Fathima Amirah M	P	P	P	P		
16.	3624021	Gayathri. G	P	P	P	P	J	a
17.	3624022	Gokila. P	P	P	P	P	P	
18.	3624023	Gopinath. S	P	P	P	P	A	P
19.	3624026	Harini. R	P	P	P	P	706	P
20.	3624028	Harshitha Budharaju Narayanan	P	P	P	P	706	P
21.	3624030	Jagannadham Nithya Rajasree	P	P	P	P		P
22.	3624031	Jaghteessvari As	P	P	P	P		P
23.	3624037	Kalaivani S	P	P	P	P		P
24.	3624038	Karpagam. R	P	P	P	P		P
25.	3624039	Karthik. S	P	P	P	P		P
26.	3624040	Keerthika. M	P	P	P	P		P
27.	3624041	Keerthyvassan. S	P	P	P	P		P
28.	3624042	Libna Joji	P	P	P	P		P
29.	3624043	Manjula. Y	P	P	a	P		P
30.	3624045	Mohammed Jalaluddin Modi	P	P	P	P		P
31.	3624049	Nisha. K	P	P	P	P		P
32.	3624051	Pavithra S Devanesan	P	P	P	P	Y	P



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S.No	Register Number	Name of the Student						
33.	3624053	Pradeepa.K	P	P	P	P		P
34.	3624055	Preetha. S	P	P	P	P		P
35.	3624056	Raghavi. J. P	P	P	P	P		P
36.	3624057	Ravina. T	P	P	P	P		P
37.	3624059	Rimisha Guptha	P	P	P	P		P
38.	3624060	Rithighaa. B. R	P	P	P	P		P
39.	3624061	Sandra Benny	P	P	P	P		P
40.	3624062	Sangeetha. S	P	P	P	P		P
41.	3624063	Saptarshi Das Gupta	P	P	P	P		P
42.	3624064	Sathiyarayanan. S	P	P	P	P		P
43.	3624067	Sindhiya. R	P	P	P	P		P
44.	3624068	Sonaa. R	P	P	P	P		P
45.	3624069	Sowmiya. S	P	P	P	P		P
46.	3624071	Srikanth. A	P	P	P	P		P
47.	3624072	Sughasri.K	P	P	P	P		P
48.	3624073	Surya. S	P	P	P	P		P
49.	3624074	Sushmitha. K	P	P	P	P		P
50.	3624075	Tanya Sruti I	P	P	P	P		P
51.	3624076	Thamarai Selvi.S	P	P	P	P		P
52.	3624077	Uppalapati Manoj Kumar	P	P	P	P		P
53.	3624078	Vaddarapu Sonu Kiran	P	P	P	P		P
54.	3624079	Vallabhaneni Kumara Nada Venkata Prasad	P	P	P	P		P
55.	3624080	Veernapati Shiney Joyce	P	P	P	P		P
56.	3624081	Veronica Priyadharshini. J	P	P	P	P		P
57.	3624082	Vetrivel A	P	P	P	P		P
58.	3624083	Vigneswari. D	P	P	P	P		P
59.	3624085	Vinitha. S	P	P	P	P		P
60.	3624086	Yasodha. M	P	P	P	P		P

Program - Co-ordinator

Dr. P. Gracekanmani

Ms Sindu Divakaran

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CERTIFICATE OF APPRECIATION

This is to certify that Mr. /Ms ABIRAMI. M student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

Ms. SINDU DIVAKARAN
PROGRAM CO-ORDINATOR

Dr. P. GRACE KANMANI
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DR. T. SUDHAKAR
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This is to certify that Mr. /Ms ALKA SAJEEV student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms ANGEL PREETHI. R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms ARIVUNILA. R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms AVINASH. S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms BALAJI RAYAPPAN. C student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms FATHIMA AMIRAH M student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms GOKILA. P student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

Ms. SINDU DIVAKARAN
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This is to certify that Mr. /Ms HARINI. R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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CERTIFICATE OF APPRECIATION

This is to certify that Mr. /Ms JAGHTEESVARI AS student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms KALAIVANI S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms KARPAGAM. R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms KARTHIK. S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms KEERTHIKA. M student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms LIBNA JOJI student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms MANJULA. Y student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms NISHA. K student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01. 2018 to 27.01.2018.

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This is to certify that Mr. /Ms PRADEEPA.K student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms PREETHA. S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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This is to certify that Mr. /Ms RAGHAVI. J. P student of Biomedical Engineering has successfully completed the 30 hours Value added course on “ARDUINO: A BASIC OVERVIEW” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 22.01.2018 to 27.01.2018.

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**School of Bio and Chemical Engineering
Department of Biomedical Engineering
offers**

**A value added course
on**

PCB DESIGN AND PRODUCTION

Date: 5th - 10th March, 2018

Duration: 30 Hours

Course Outcomes

- Understand basics of PCB designing
- Apply advance techniques, skills and modern tools for designing and fabrication of PCBs
- Apply the knowledge and techniques to fabricate Multilayer, SMT and HDI PCB
- Understand concepts of Packaging

Course Content

- Fundamental of basic electronics
- Component identification
- Component symbols & their footprints
- Understand schematic
- Creating new PCB
- Browsing footprints libraries
- Setting up the PCB layers
- Design rule checking
- Track width selection
- Component selection
- Routing and completion of design
- Introduction to Electronic design automation (EDA) tools for PCB designing
- Introduction printed circuit board production techniques

Program Coordinator

Mr. G. Umashankar

Ms. Sindu Divakaran



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DEPARTMENT OF BIOMEDICAL ENGINEERING

BATCH 2017-2021

(5/3/18 - 10/3/18)

STUDENTS NAME LIST

S. No	Reg No	Name of the Student	5/3	6/3	7/3	8/3	9/3	10/2
1	37240001	Ahamed Nizamuddin M S	P	P	P	P	P	P
2	37240002	Aishwarja J	P	P	P	P	P	P
3	37240003	Ajin R	P	P	P	P	P	P
4	37240004	Akshaya P C	P	P	P	P	P	P
5	37240005	Angeline J	P	P	P	P	P	P
6	37240006	Antony Fathima Shiny J	P	P	P	P	P	P
7	37240007	Anumolu Venkata Siva Sankar	P	P	P	P	P	P
8	37240008	Anupriya Soni	P	P	P	P	P	P
9	37240010	Aravindhan G	P	P	P	P	P	P
10	37240012	Archana R	P	P	P	P	P	P
11	37240013	Ashwathi H	P	P	P	P	P	P
12	37240014	Balamurugan G	P	P	P	P	P	P
13	37240015	Bandaru Saimanideep	P	P	P	P	P	P
14	37240016	Brabin Raj P	P	P	P	P	P	P
15	37240017	Caroline Chriselda.L	P	P	P	P	P	P
16	37240018	Chandana H	P	P	P	P	P	P
17	37240019	Deepak V S	P	P	P	P	P	P
18	37240020	Devisri K	P	P	P	P	P	P
19	37240021	Dhelip D	P	P	P	P	P	P
20	37240022	Durga M	P	P	P	P	P	P
21	37240023	Fahira Parveen M. S	P	P	P	P	P	P
22	37240024	Gayathri.P	P	P	P	P	P	P
23	37240025	Godwinson J	P	P	P	P	P	P
24	37240026	Hemanth Kumar.S	P	P	P	P	P	P
25	37240028	Jaiseph Joseph Sabu	P	P	P	P	P	P
26	37240029	Janani E	P	P	P	P	P	P
27	37240030	Jasmine J	P	P	P	P	P	P
28	37240032	Jayasree J	P	P	P	P	P	P
29	37240034	Jeeva.J	P	P	P	P	P	P
30	37240038	Jones Leo Raj P	P	P	P	P	P	P
31	37240039	Kaaviya V	P	P	P	P	P	P
32	37240041	Karkuzhali D	P	P	P	P	P	P
33	37240042	Karnati Nagadivya	P	P	P	P	P	P
34	37240044	Kavitha Lakshmi J	P	P	P	P	P	P
35	37240046	Kowsalya.V	P	P	P	P	P	P
36	37240047	Logapriya.S	P	P	P	P	P	P
37	37240048	Lumen Christy V	P	P	P	P	P	P
38	37240049	Mahesh Kumar S	P	P	P	P	P	P
39	37240050	Manobala.P	P	P	P	P	P	P



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S. No	Reg No	Name of the Student						
40	37240051	Manojkumar.P	p	p	p	p	p	p
41	37240052	Mercy Grace M	p	p	p	p	p	p
42	37240054	Monisha.S	p	p	a	p	p	p
43	37240056	Pandalaneni Pruthula	p	p	p	p	p	p
44	37240057	Paul John P	p	p	p	p	p	p
45	37240058	Pulimi Priyamvadha	p	p	p	a	p	p
46	37240059	Radha K	p	p	p	p	p	p
47	37240060	Rahul Thomas Rajeev	p	p	p	p	p	p
48	37240063	Ranjith R	p	p	p	p	a	p
49	37240065	Santhi.P	p	p	p	p	p	p
50	37240068	Sivasankar.K	p	p	p	p	p	p
51	37240069	Sneha Bhattacharyya	p	p	p	p	p	p
52	37240070	Sonali Das	p	p	a	p	p	p
53	37240071	Sonica Sree K	p	p	p	p	p	p
54	37240072	Soundharya B	p	p	p	p	a	p
55	37240073	Swedha.K	p	p	p	p	p	p
56	37240076	Vigneshwari P	p	p	p	p	p	p
57	37240078	Vishal.R. S	p	a	p	p	p	p
58	37240079	Nivedha.S	p	p	p	p	p	a
59	37240080	Sofica.B	p	p	p	p	p	p
60	37240081	Gomathi Bala.M. K	p	p	p	p	p	p

Program-Co-ordinator

Ms G. Umashankar

Ms Sindu Divakaran

Signature
10/3/2018
HEAD OF THE DEPARTMENT
DEPARTMENT OF ELECTRONICS & ENGINEERING
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This is to certify that Mr. /Ms. AISHWARJA J student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

Mr. G. UMASHANKAR
PROGRAM CO-ORDINATOR

Ms. SINDU DIVAKARAN
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This is to certify that Mr. /Ms. AJIN R student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. AKSHAYA P C student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03.2018 to 10.03.2018.

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This is to certify that Mr./Ms. ANGELINE J student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. ANUPRIYA SONI student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. BALAMURUGAN G student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. CHANDANA H student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

Mr. G. UMASHANKAR
PROGRAM CO-ORDINATOR

Ms. SINDU DIVAKARAN
PROGRAM CO-ORDINATOR

DR. T. SUDHAKAR
HOD-BIOMEDICAL



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This is to certify that Mr./Ms. DEEPAK V S student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. DURGA M student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. GAYATHRI.P student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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PROGRAM CO-ORDINATOR

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This is to certify that Mr./Ms. GODWINSON J student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. JANANI E student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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Ms. SINDU DIVAKARAN
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This is to certify that Mr./Ms. JASMINE J student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. JEEVA.J student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. KAAVIYA V student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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Ms. SINDU DIVAKARAN
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CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. KARKUZHALI D student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. KOWSALYA.V student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. LUMEN CHRISTY V student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

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This is to certify that Mr./Ms. MANOBALA.P student of Biomedical Engineering has successfully completed the 30 hours Value added course on “PCB DESIGN AND PRODUCTION” organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 05.03. 2018 to 10.03.2018.

Mr. G. UMASHANKAR
PROGRAM CO-ORDINATOR

Ms. SINDU DIVAKARAN
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Mr. G. UMASHANKAR
PROGRAM CO-ORDINATOR

Ms. SINDU DIVAKARAN
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Introduction to Python Programming

Duration: 35 Hours

COURSE CO-ORDINATOR(S): Mr. K T Ilayaraja and Mr.R.Immanuel

Pre-Requisite: Nil

Course Contents

S.No	Topic	No. of Hours
1	Python Installation and Working of it	2
2	Get familiar with python variables and data types,	2
3	Operator understanding and its usage	2
4	Detail study of python blocks,	1
5	Hands on with conditional blocks using if, else and elif,	2
6	Hands on examples and study of looping with range, list and dictionaries.	2
7	hands on to organize python code with function, modular approach in python.	2
8	Handling if exceptions to handle the code cracks, handling and helping file operations, c	2
9	coding with the exceptional handling and testing Anonymous method,	2
10	Properties, Indexers, Exception Handling	2
11	Procedural and Object-Oriented Programming, Classes and working with instances,	2
12	Method overloading, Polymorphism, importing internal module as well as external modules in the code Packages understanding and their usage,	2
13	hands on with Lamba function in python coding with the use of functions, modules and external packages	2
14	Stack, Queue, Tree, ordered list	2
15	Introduction to Recursion, Divide and Conquer Strategy	2
16	Greedy Strategy, Graph Algorithms	2
17	Regular Expression,	2
18	Multi thread Programming, Security	2

Course Outcome:

After the completion of course the students will be able to

1. Describe the basics of the Python programming language.
2. Install Python and write your first program.
3. Use variables to store, retrieve and calculate information.
4. Utilize core programming tools such as functions and loops.

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K.T. Ilayaraja
 R. Immanuel



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Dr. E. Logashanmugam, Dean Staff Affairs

Dr. G. Sundari, Dean Student Affairs

Value added course on
Introduction to Python Programming

Info
Starts from June 17th 2017
Duration: 35 Hours
Venue: Class Rooms
Course Co-ordinators: Mr. K.T. Ilayaraja and Mr. R. Immanuel

Convenors
Dr. N.M. Nandhitha, *Dean / School of EE*
Dr. K.V. Karthikeyan, *HOD / ECE*

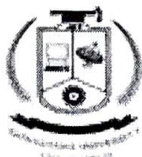
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Dr. N.M. Nandhitha



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Date: 07.06.2017

CIRCULAR

This is to inform that, Department of Electronics and Communication Engineering is conducting a certificate course on "Introduction to Python Programming". Course duration is 35 Hours and classes will be conducted from 17th June 2017.

Interested students can register their names to Mr. Immanuel Rajkumar, Assistant Professor, Department of ECE, on or before 16.06.2017.


DEAN (STUDENT AFFAIRS)

Copy to:

Dean and HoDs of ECE,EEE, E&I, ETCE and E&C
ECE/ETCE/EEE/E&I/E&C Class Rooms

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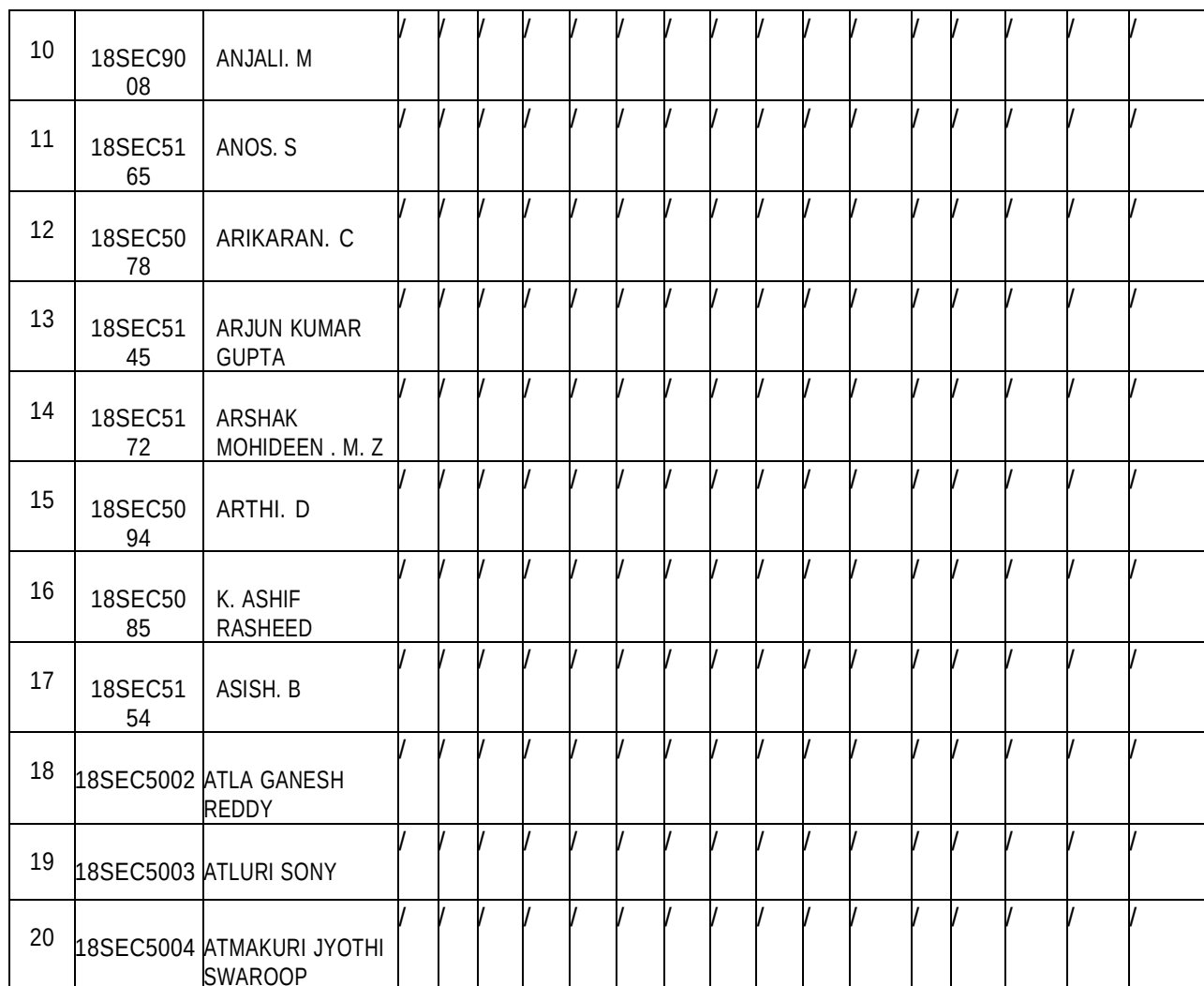
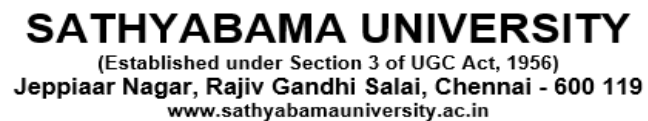


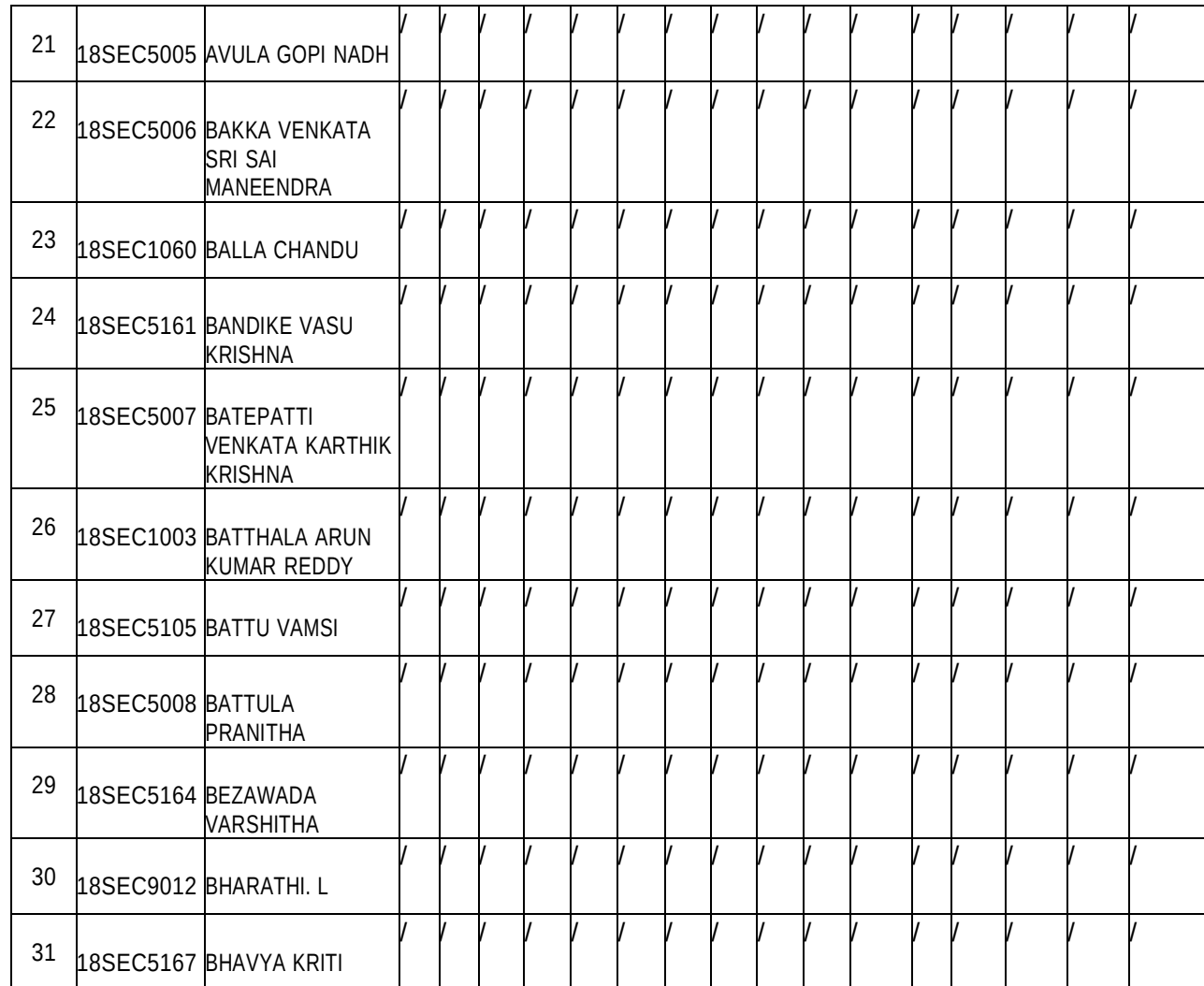
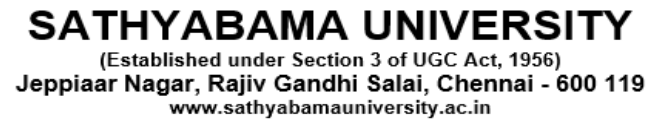
2017-2018

Name of the value added courses (with 30 or more contact hours) offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Introduction to Python Programming	NA	2017	1	35 Hrs	300	296
Nano Antenna Design for Wireless Communication	NA	2017	1	45 Hrs	360	355
Applications on IoT and Computing Technologies	NA	2017	1	45 Hrs	300	297
Value added course on design of applications using Arduino Microcontroller	NA	2017	1	45 Hrs	300	295
Value added course on Arduino Microcontroller, Embedded C Coding and I/O Interfacing	NA	2017	1	45 Hrs	300	298

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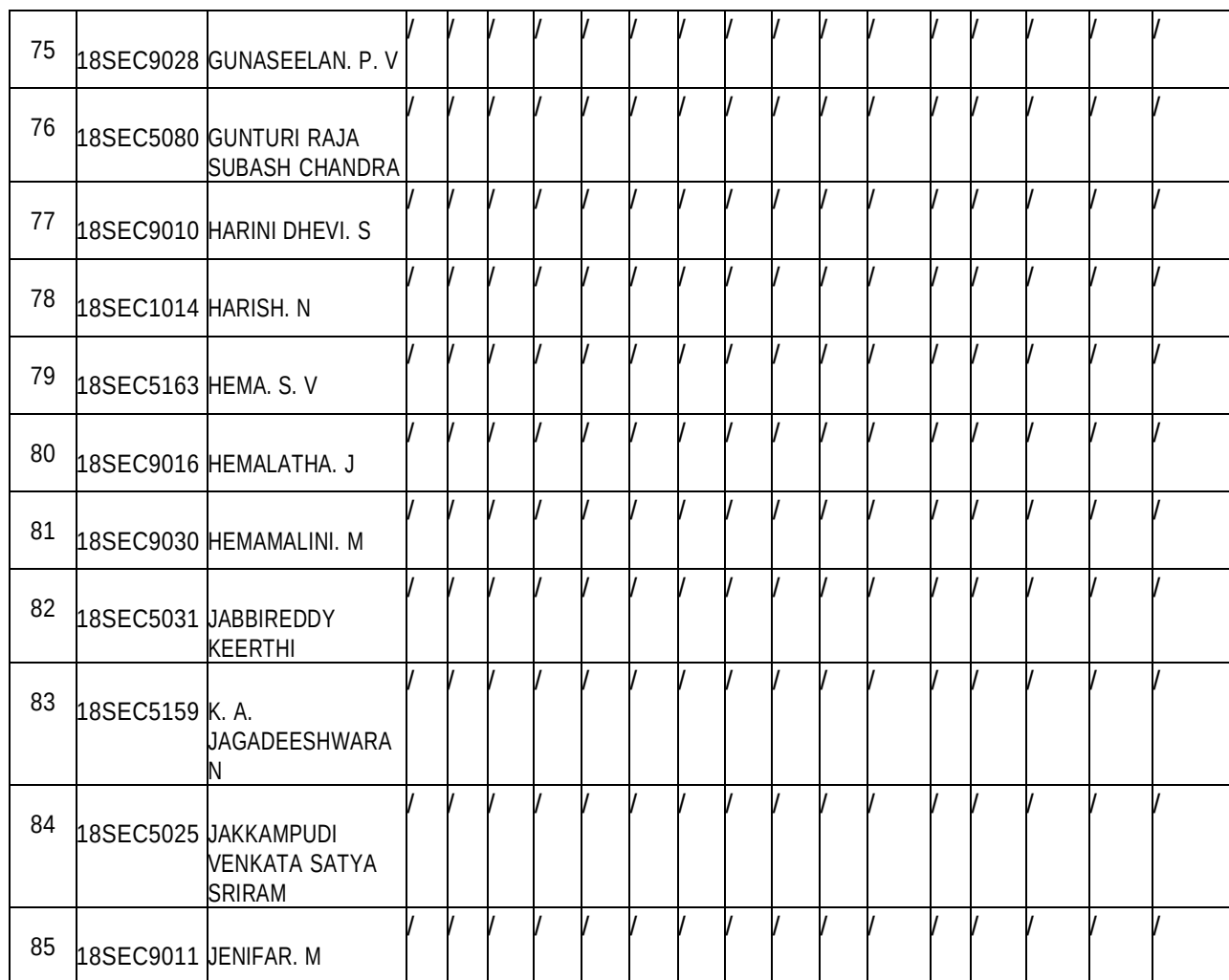
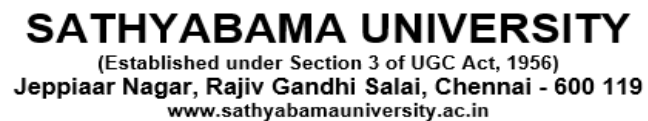
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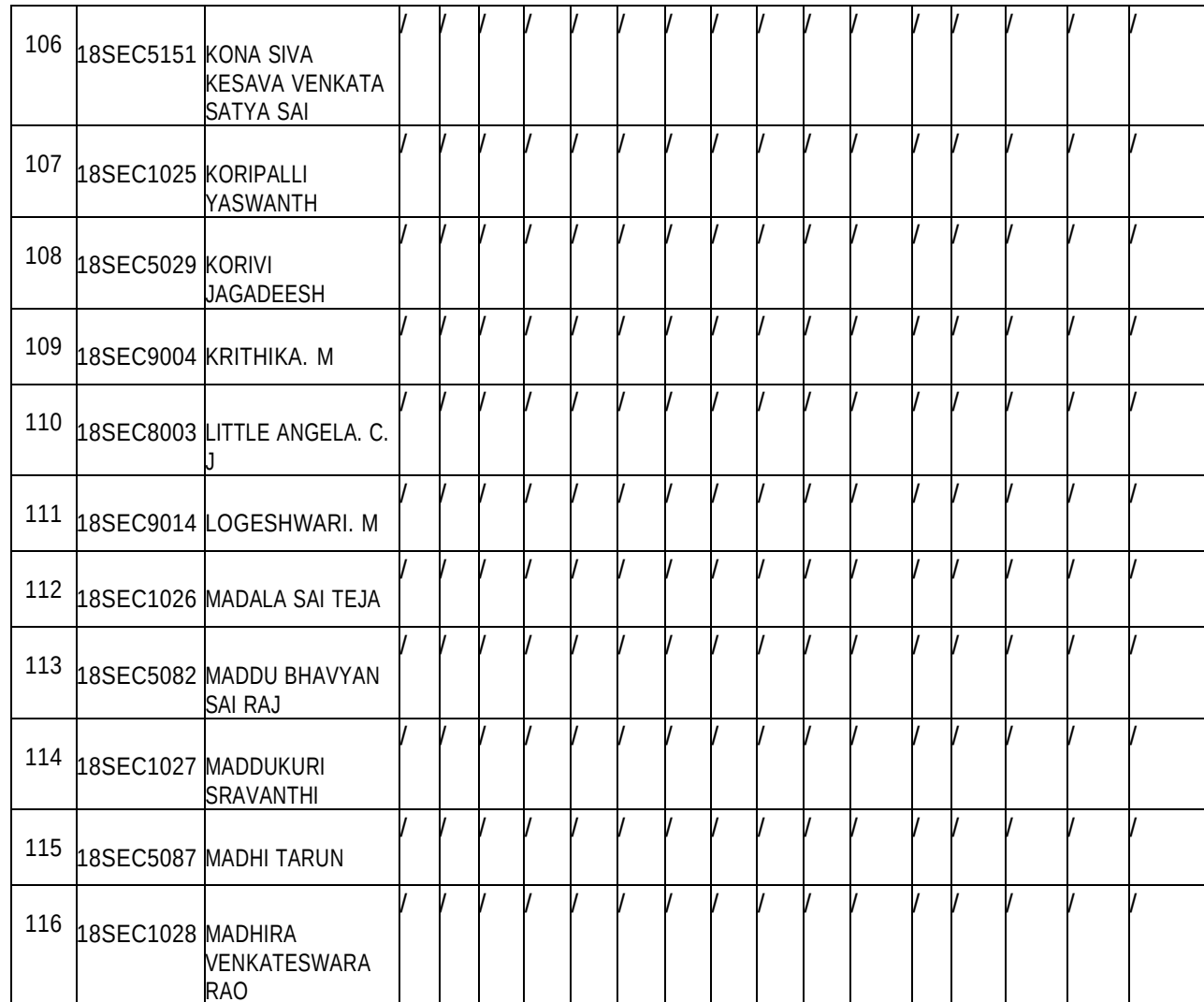
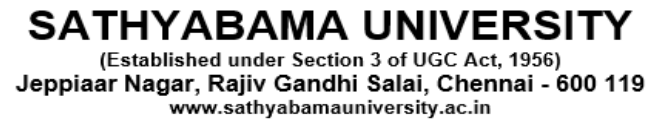


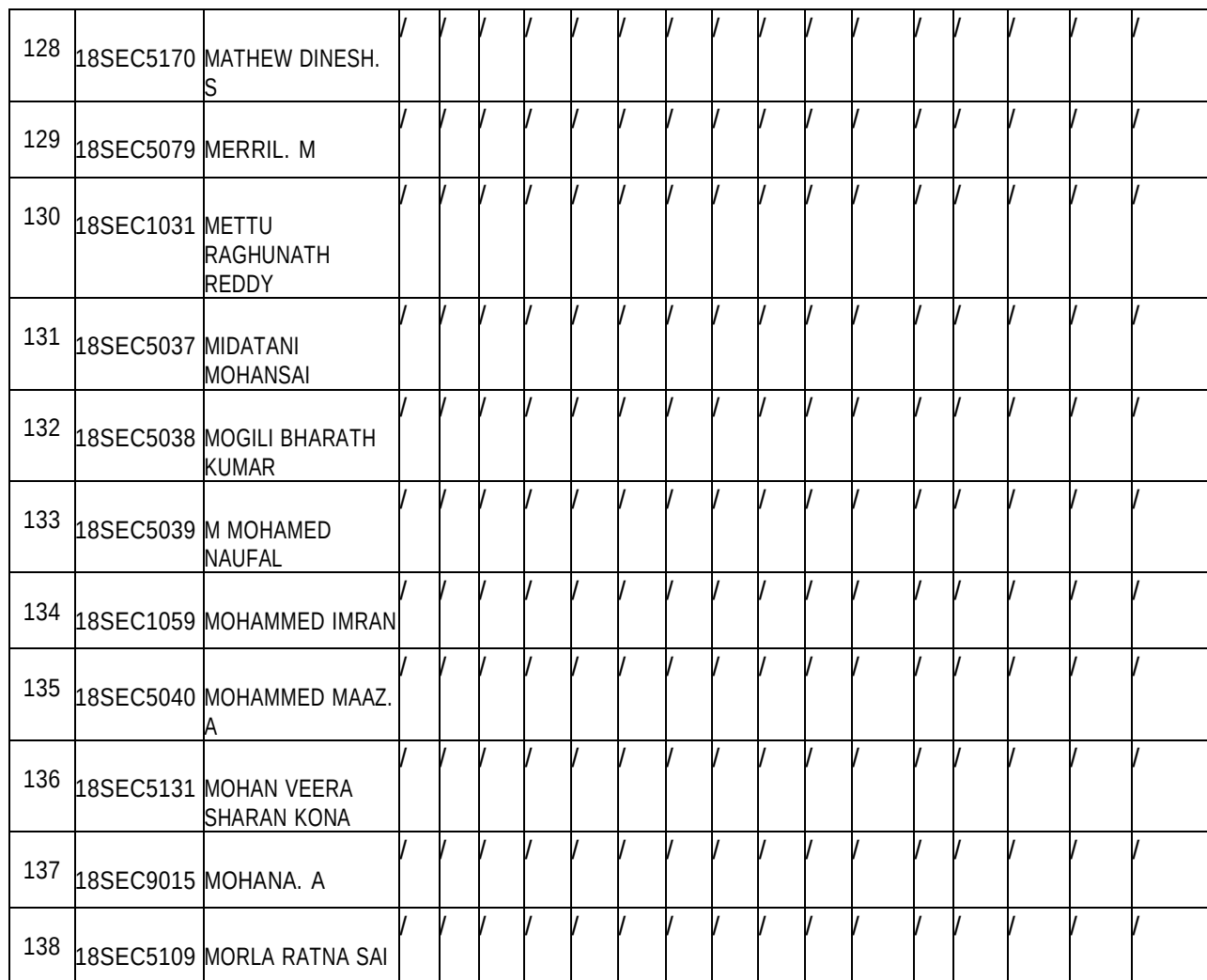
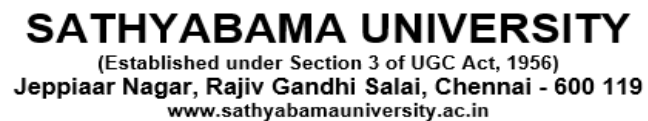
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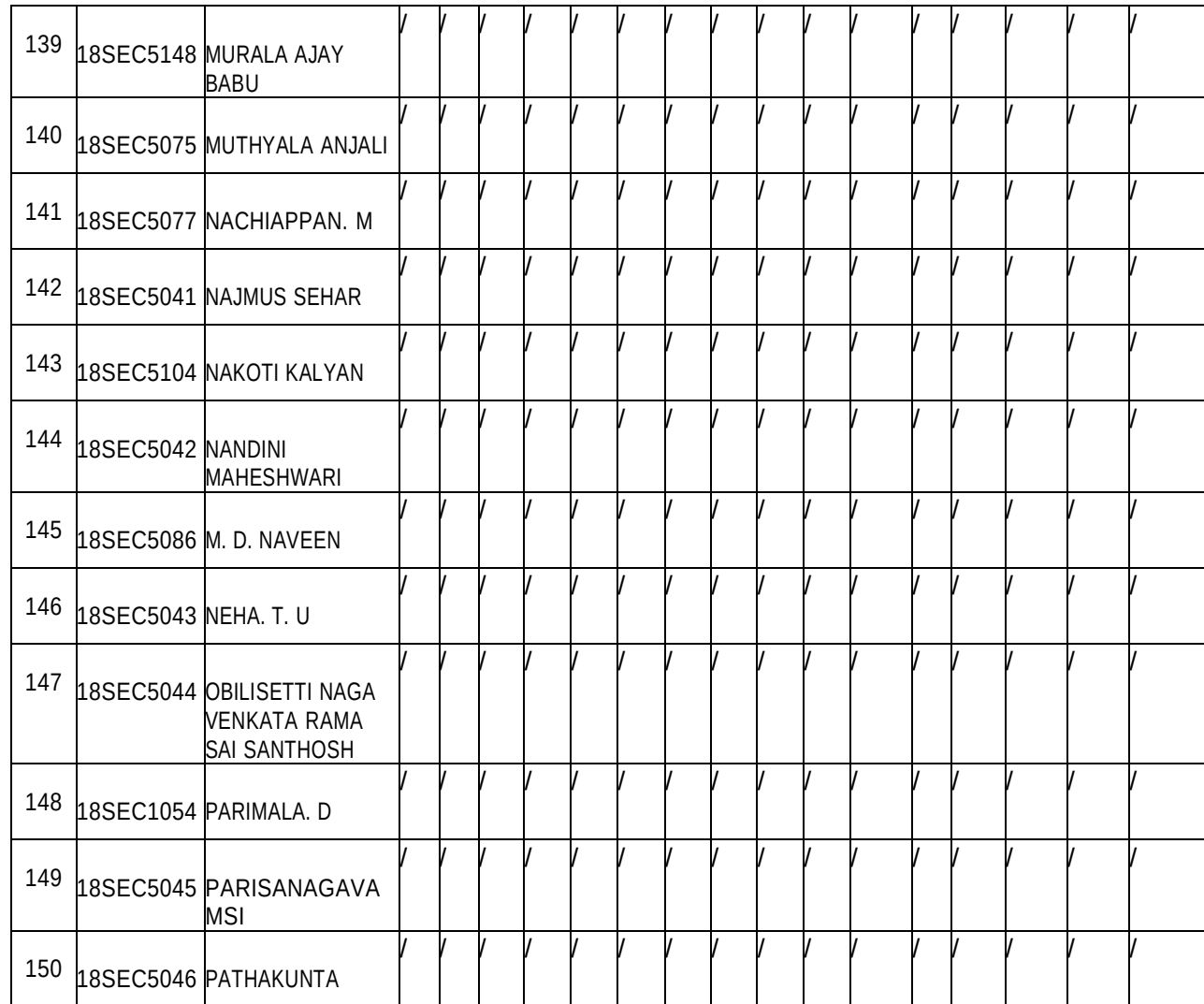
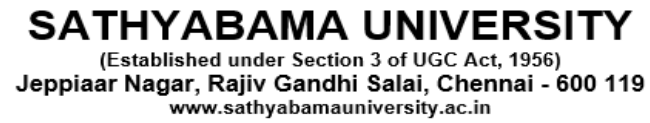
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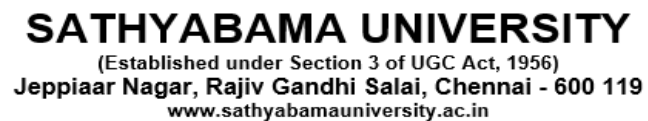


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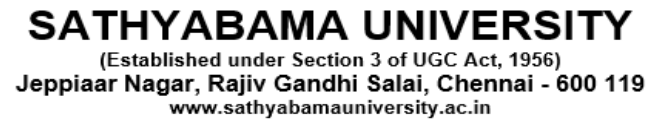


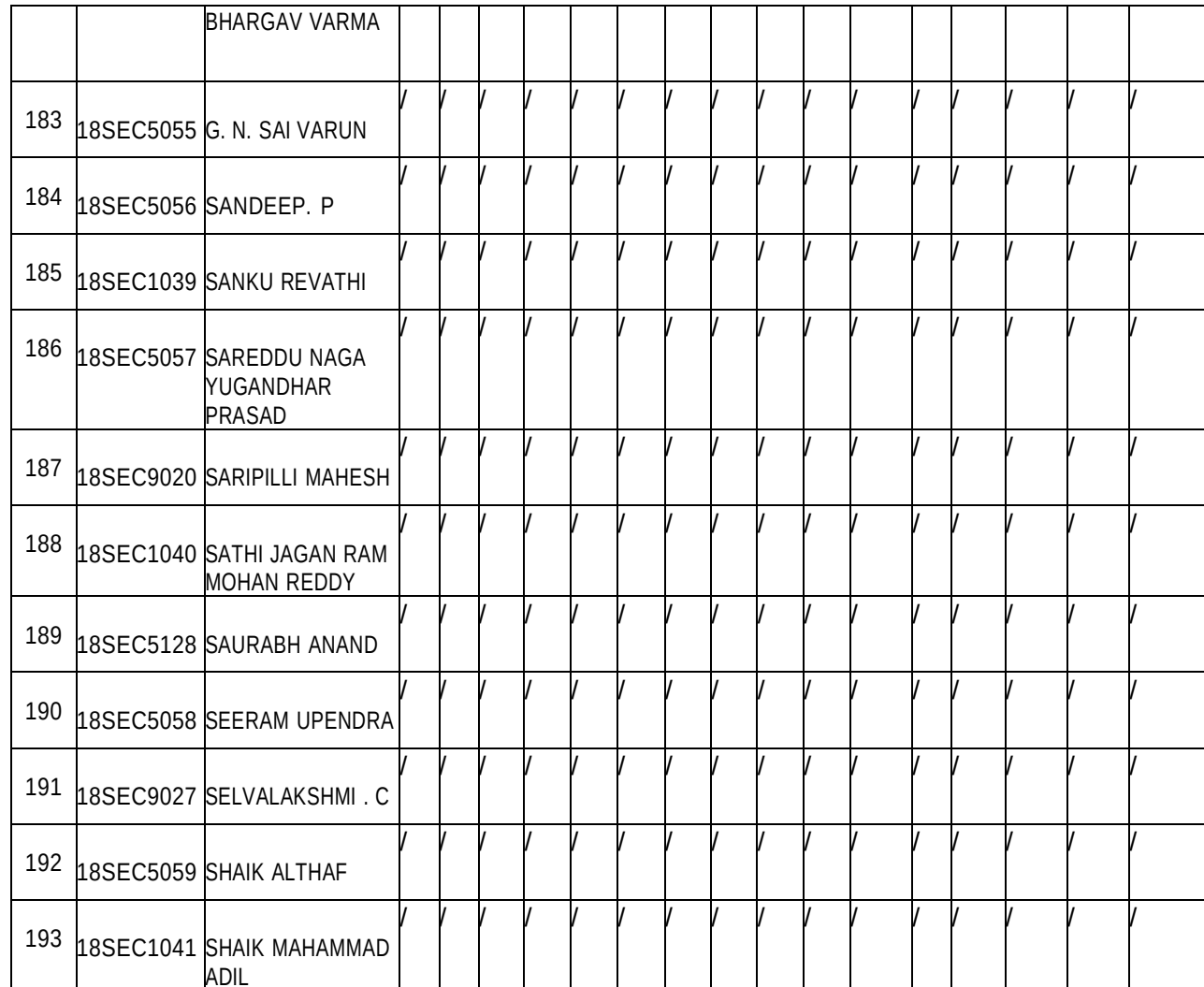
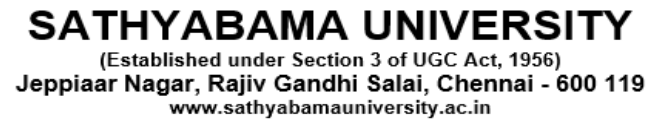


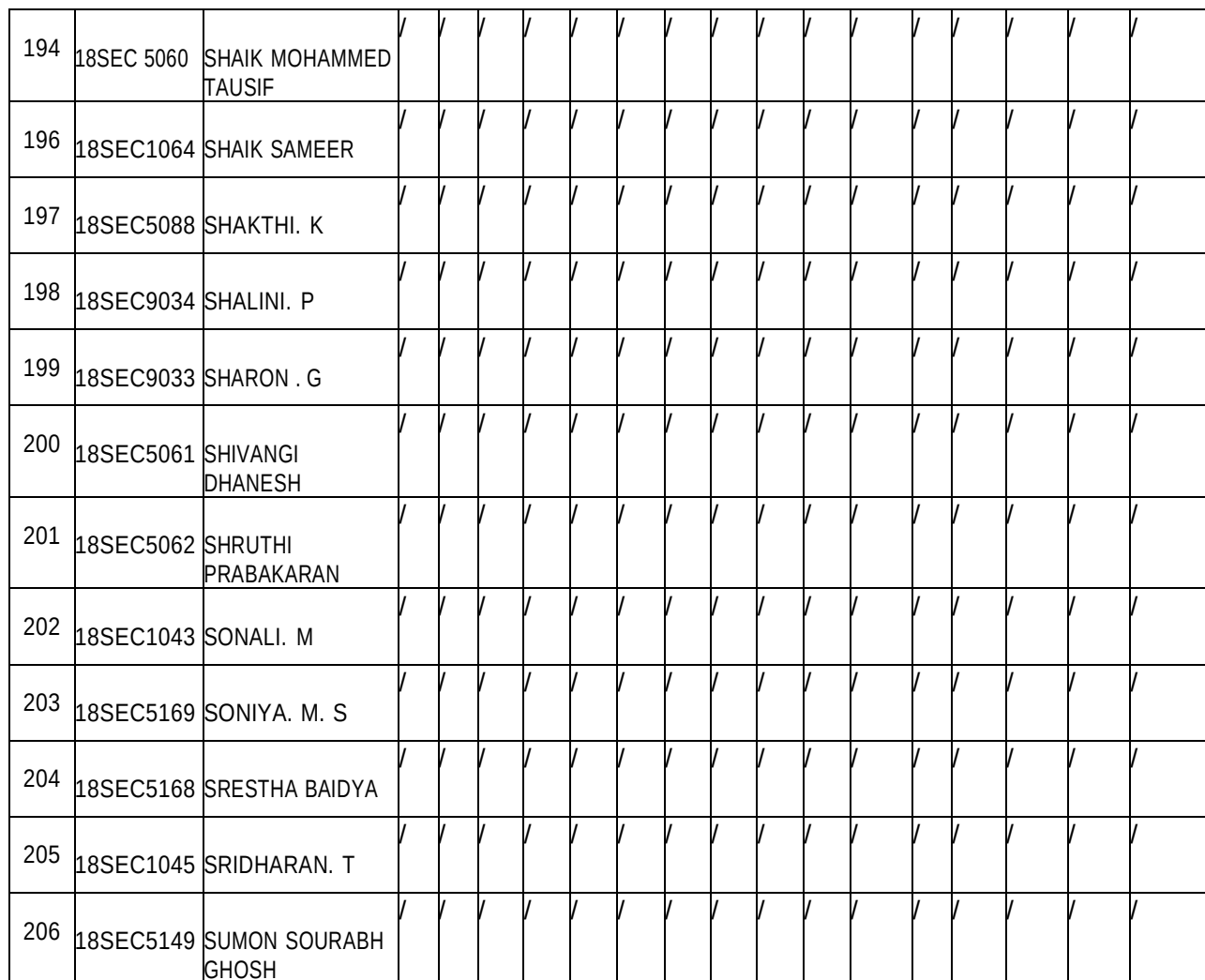
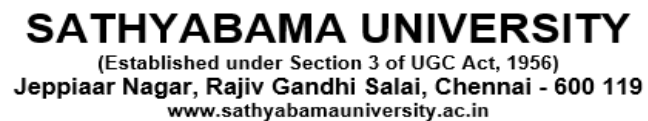


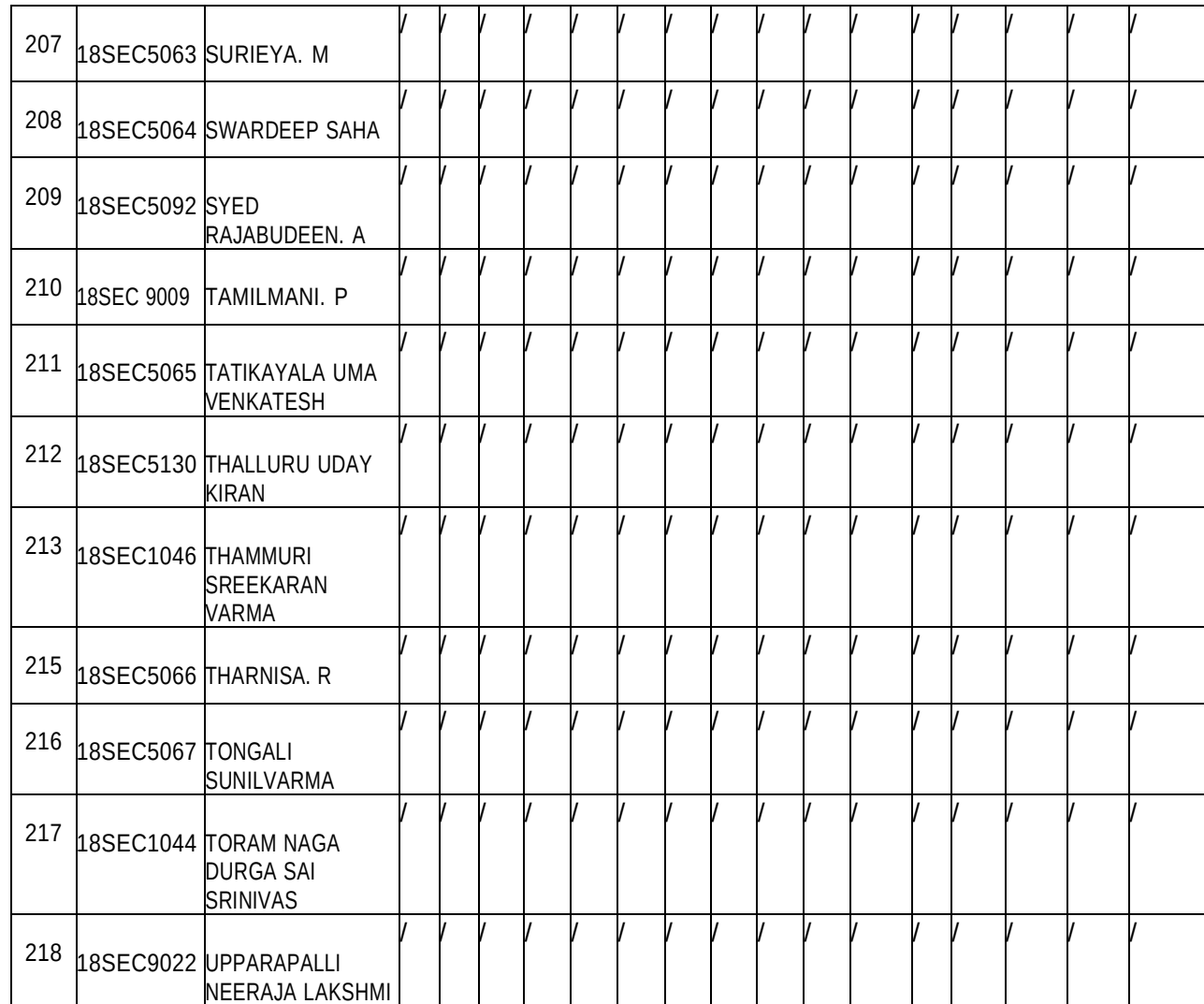
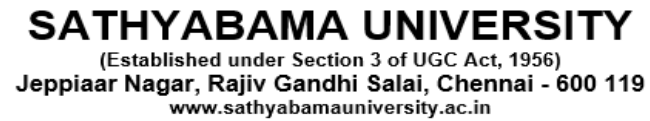
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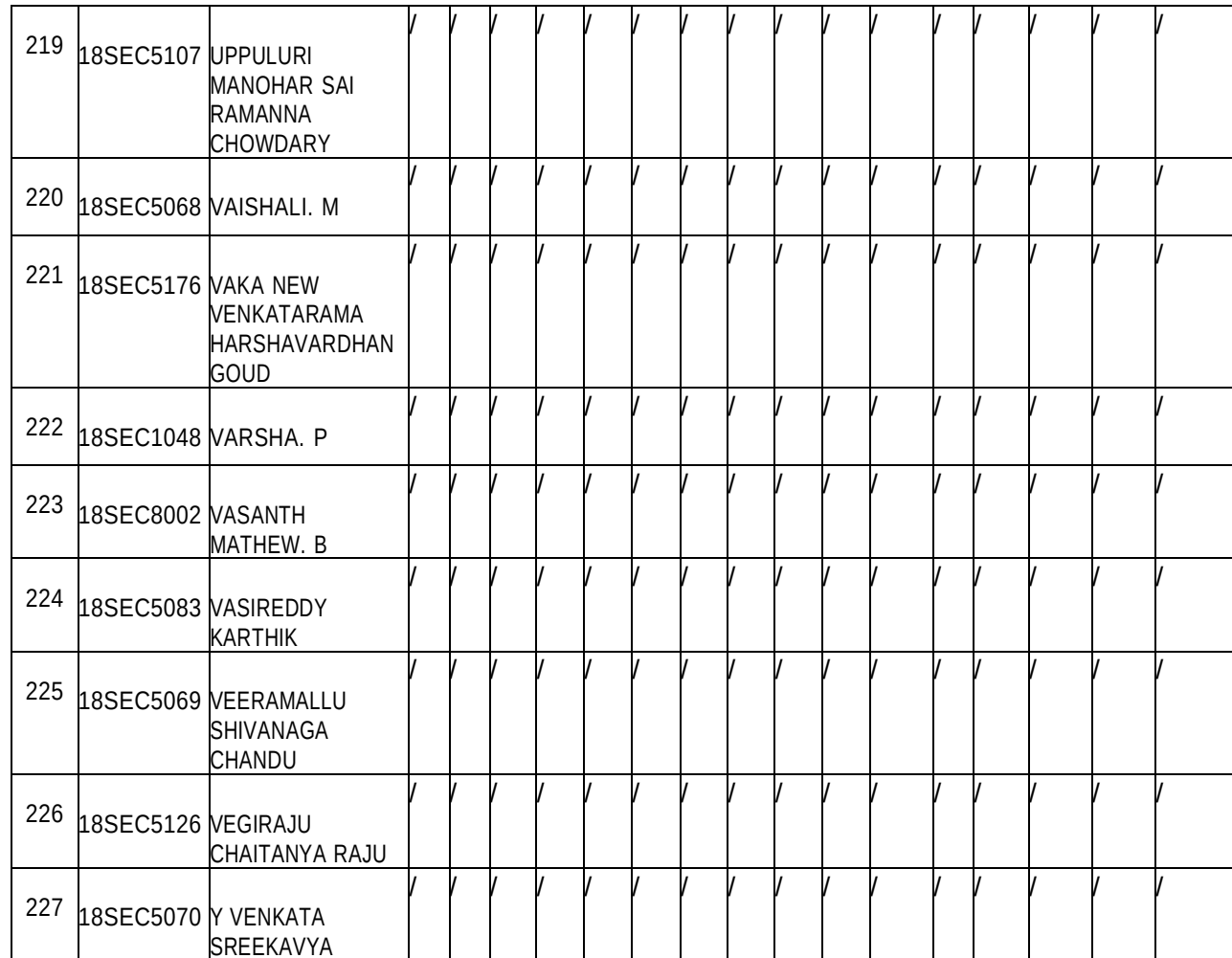
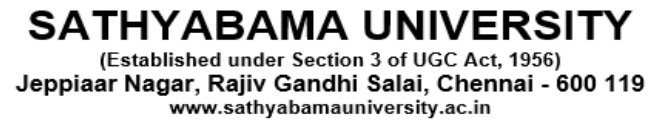
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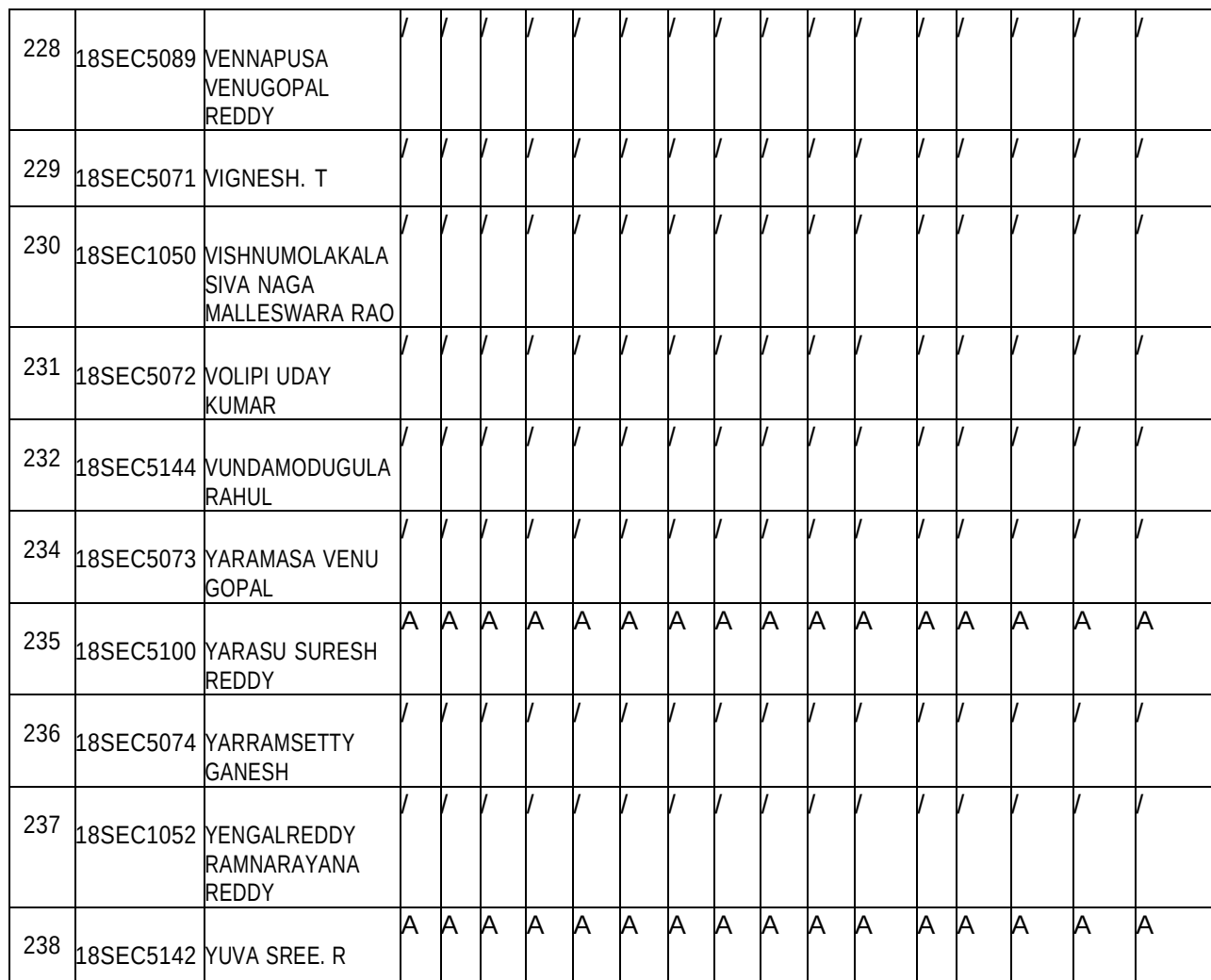
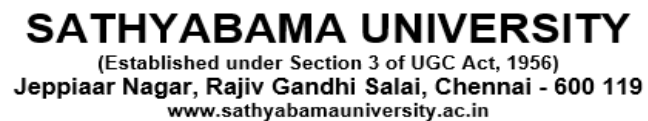
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240	18SEC5180	ASHWANTH PUSHPAKIRAN P.A.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
241	19SLEC805	ABILASH. S	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
242	19SLEC801	AMRUTHAVALLI. M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
243	19SLEC802	THRINADH REDDY. M	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
244	19SLEC804	VENKATA TARUN RACHANENI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
245	19SLEC806	SHANKARI MALAKAR	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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This is to certify that Mr./Ms. AAKASH M has successfully completed the Value added course
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Course - Coordinator
Dr. K.T. Illayaraja
Dept. of /ECE

Coordinator
Dr. K.V. Karthikeyan
HOD/ECE

Coordinator
Dr. N. M. Nandhitha
Dean/School of EE



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Course - Coordinator
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Course - Coordinator
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Coordinator
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Coordinator
Dr. N. M. Nandhitha
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Course - Coordinator
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Certificate of Participation

This is to certify that Mr./Ms. AISHWARIYA.M has successfully completed the Value added course “**Introduction to Python Programming** ” held from on **17th June to 27th July 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
Dr. K.T. Illayaraja
Dept. of /ECE

Coordinator
Dr. K.V. Karthikeyan
HOD/ECE

Coordinator
Dr. N. M. Nandhitha
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Course - Coordinator
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This is to certify that Mr./Ms. AKASHDEEP SINHA has successfully completed the Value added course “**Introduction to Python Programming**” held from on **17th June to 27th July 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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Course - Coordinator
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Course - Coordinator
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This is to certify that Mr./Ms. ANUMALA NAGA VIKAS has successfully completed the Value added course “**Introduction to Python Programming**” held from on **17th June to 27th July 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. ANDREDDY TARAKESWARA REDDY has successfully completed the Value added course “**Introduction to Python Programming**” held from on **17th June to 27th July 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. AMAN ASHISH has successfully completed the Value added course “**Introduction to Python Programming** ” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. ALLURU SAI HARSHA has successfully completed the Value added course “**Introduction to Python Programming**” held from on **17th June to 27th July 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. ALLURI OM SAI NITHEN VARMA has successfully completed the Value added course “**Introduction to Python Programming**” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. ALAM MOHITH has successfully completed the Value added course “Introduction to Python Programming ” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
Dr. K.T. Illayaraja
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This is to certify that Mr./Ms. AKSHAYA.A has successfully completed the Value added course “**Introduction to Python Programming** ” held from on **17th June to 27th July 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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Course - Coordinator
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This is to certify that Mr./Ms. AKHILSAI. D has successfully completed the Value added course
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Chennai.

Course - Coordinator
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(Established under Section 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119
www.sathyabamauniversity.ac.in



Nano Antenna Design for Wireless Communication

Duration: 45 Hours

COURSE CO-ORDINATOR(S): Mr. L. Jegan Antony Marcilin

Pre-Requisite: Nil

Course Contents

S.No	Topic	No. of Hours
1	Antenna systems	3
2	Wireless Communications	3
3	Network Routing Algorithms	3
4	Microwave Integrated Circuits	4
5	Advanced Wireless Mobile Communications	3
6	Analytical and Computational Techniques in Electromagnetics	4
7	Electromagnetic Interference/Electromagnetic Compatibility in System	3
8	Speech and Audio Processing System	3
9	RF System Design for Wireless Communication	3
10	Image & Video signal processing	3
11	Advanced Wireless Mobile Communications	3
12	RF MEMS for wireless communication	4
13	Advanced Techniques for Wireless Reception	3
14	Cooperative Wireless Communication System	3

Learning Outcome

1. Basics of Wireless Communication
2. Analyze and implement Image, Audio and Video processing system
3. Interpret the importance of RF system in wireless communication

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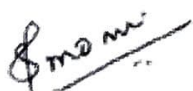


Date: 07.07.2017

CIRCULAR

This is to inform that, Department of Electronics and Communication Engineering is conducting a certificate course on "Nano Antenna Design for Wireless Communication". Course duration is 35 Hours and classes will be conducted from 17th July 2017.

Interested students can register their names to Mr. L. Jegan Marclín Antony, Assistant Professor, Department of ECE, on or before 17.07.2017.


DEAN (STUDENT AFFAIRS)

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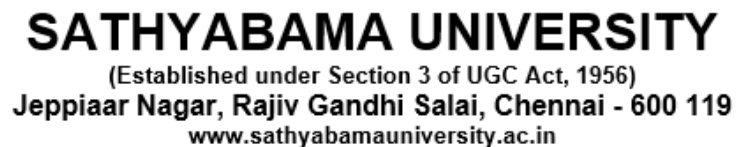
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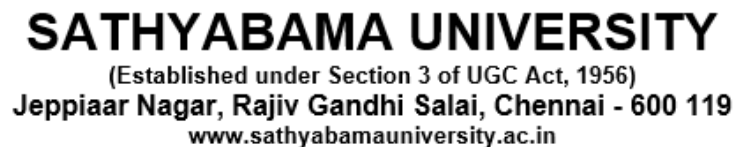
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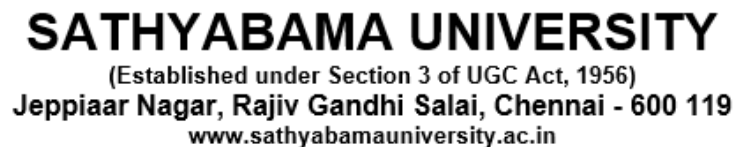


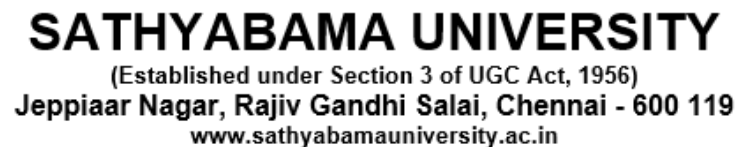
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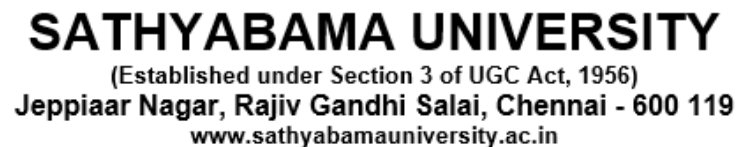


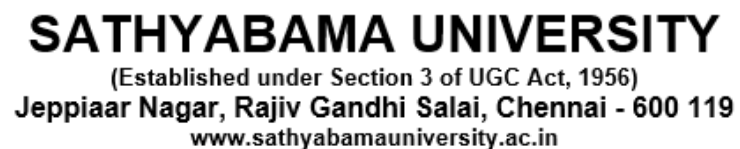
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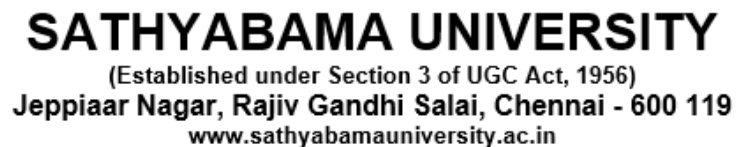
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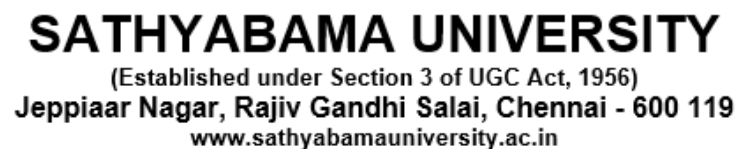
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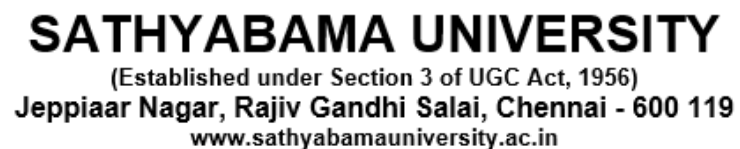
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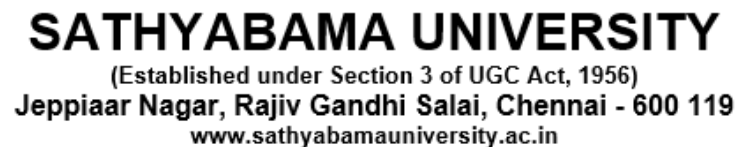
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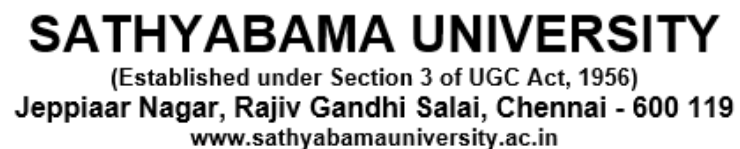
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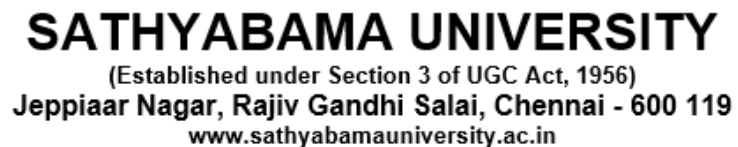
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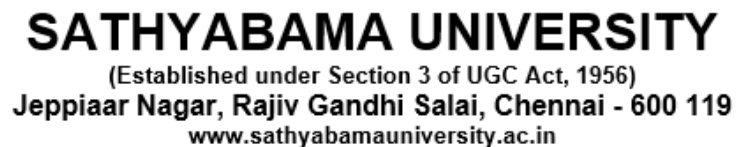
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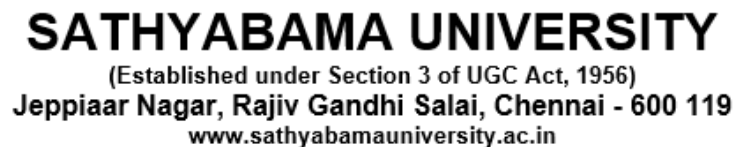
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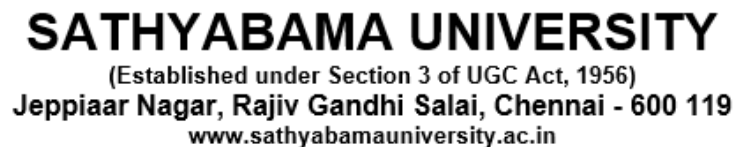
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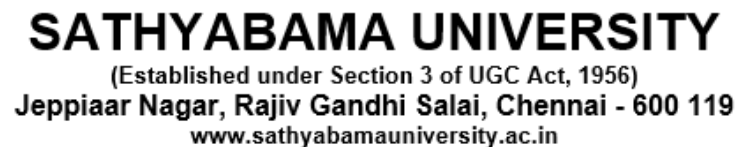
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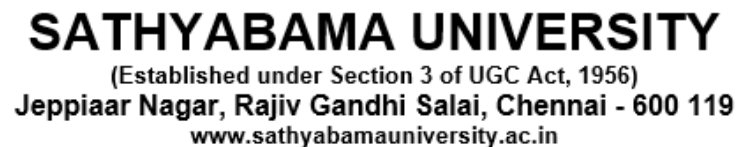
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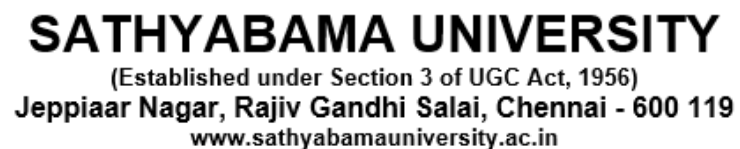
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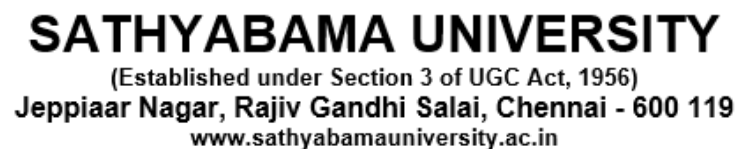
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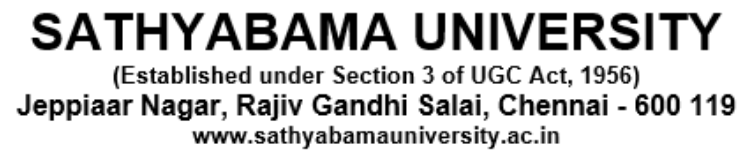
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Certificate of Participation

This is to certify that Mr./Ms. AAKASH M has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on 17th July to 27th August 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
Mr. Jegan Antony Mercilin
Dept. of /ECE

Coordinator
Dr. K.V. Karthikeyan
HOD/ECE

Coordinator
Dr. N. M. Nandhitha
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This is to certify that Mr./Ms. ADHIKARLA KRISHNA ANUSHA has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. AFRIN PATHUVAI FRANCIS.A has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that Mr./Ms. AGI GEORGE has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. ANUMALA NAGA VIKAS has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
Mr. Jegan Antony Mercilin
Dept. of /ECE

Coordinator
Dr. K.V. Karthikeyan
HOD/ECE

Coordinator
Dr. N. M. Nandhitha
Dean/School of EE



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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This is to certify that Mr./Ms. ANDREDDY TARAKESWARA REDDY has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on **17th June to 27th July 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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Dept. of /ECE

Coordinator
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This is to certify that Mr./Ms. AMAN ASHISH has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. ALLURU SAI HARSHA has successfully completed the Value added course “**Nano Antenna Design for Wireless Communication**” held from on 17th June to 27th July 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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Arduino Microcontroller, Embedded C Coding and I/O Interfacing

Duration: 45 Hours

COURSE CO-ORDINATOR(S): Ms. Ebenezar Jebarani.M.R and Ms. S. Lakshmi

Pre-Requisite: Nil

Course Contents

S.No	Topic	No. of Hours
1	Arduino Sketch Structure and Flow	2
2	Arduino Sketch Main Loop and Calling Functions	5
3	Variables	5
4	Operators	5
5	Loops and Decision-making Statements	3
6	Functions	5
7	Arrays	5
8	Strings	5
9	Serial I/O	5
10	Interfacing	5

Course Outcome:

After the completion of course the students will be able to

1. Describe the basics of the Arduino programming language.
2. Analyze and develop codes using variables, Loops and other programming concepts.
3. Application specific design.

S. Jayar

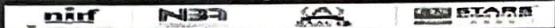
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Dr. MARIAZEENA JOHNSON **Dr. MARIE JOHNSON**
CHANCELLOR PRESIDENT

PATRONS
Dr. E. Logashanmugam, Dean Staff Affairs **Dr. G. Sundari**, Dean Student Affairs

Value added course on
Arduino Microcontroller, Embedded C Coding and I/O Interfacing

Info
Starts from 1st August 2017
Duration: 45 Hours
Venue: Class Rooms
Course Co-ordinators: Ms. Ebenezer Jebarani.M.R and Ms. S. Lakshmi

Convenors
Dr. N.M. Nandhitha, Dean / School of EE
Dr. K.V. Karthikeyan, HOD / ECE

S. Jayu

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Design of applications using Arduino Microcontroller

Duration: 45 Hours

COURSE CO-ORDINATOR(S): Ms. Ebenezar Jebarani.M.R and Ms. S. Lakshmi

Pre-Requisite: Nil

Course Contents

S.No	Topic	No. of Hours
1	Arduino Sketch Structure and Flow	5
2	Arduino Sketch Main Loop and Calling Functions	5
3	Introduction to Programming	5
4	Serial I/O	5
5	Interfacing	5
6	Implementation of Various Applications	15

Course Outcome:

After the completion of course the students will be able to

1. Describe the basics of the Arduino programming language.
2. Analyze and develop codes using variables, Loops and other programming concepts.
3. Application specific design.

S. Laxmi

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Dr. E. Logashanmugam, Dean Staff Affairs

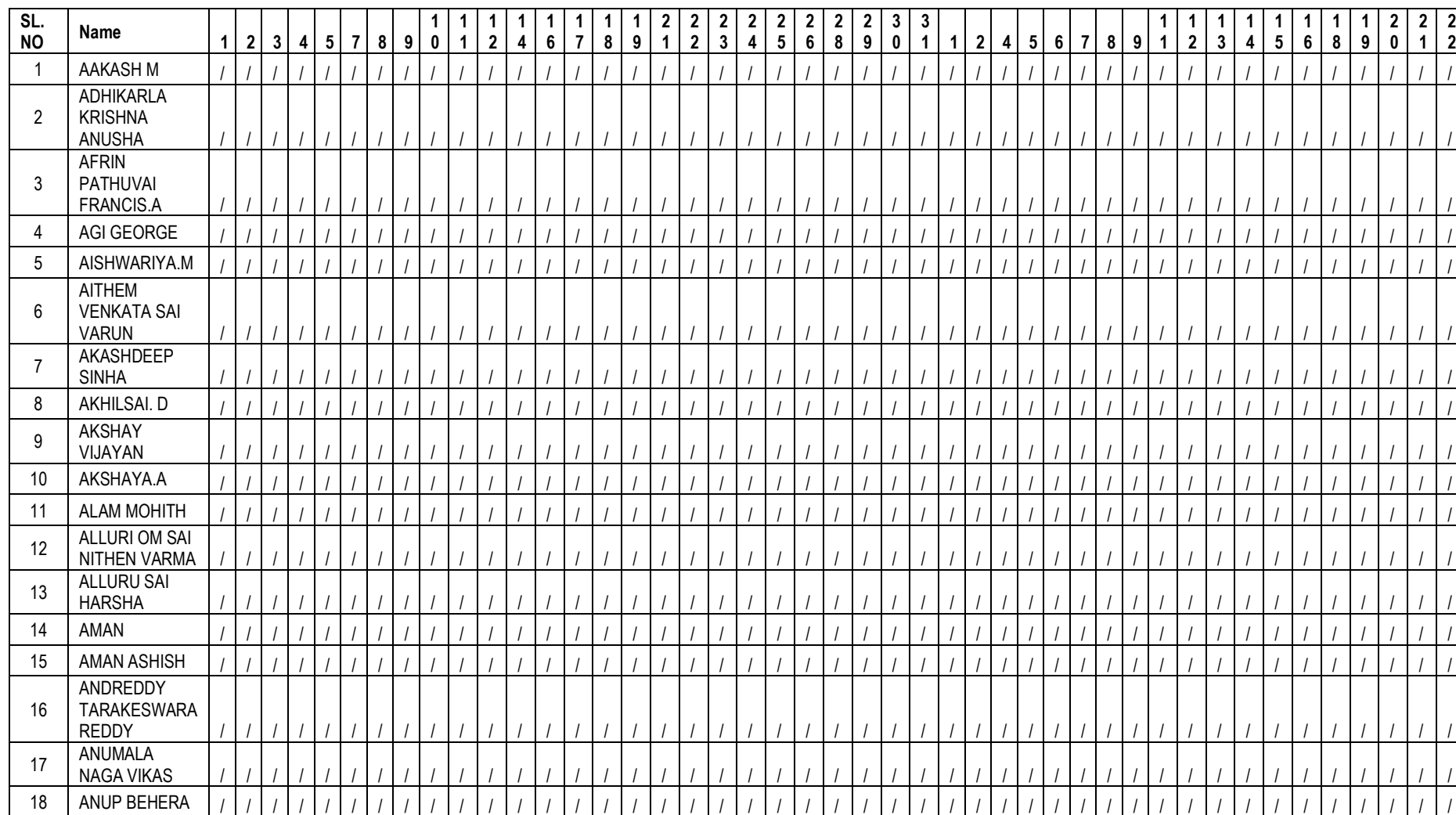
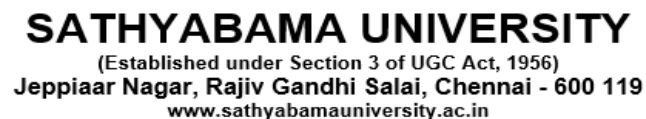
Dr. G. Sundari, Dean Student Affairs

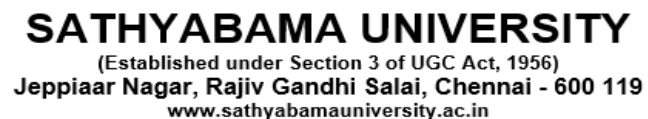
Value added course on
Design of applications using Arduino Microcontroller

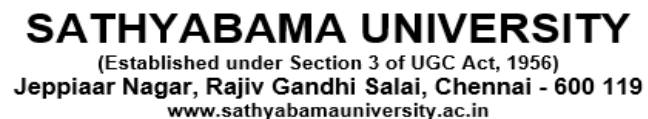
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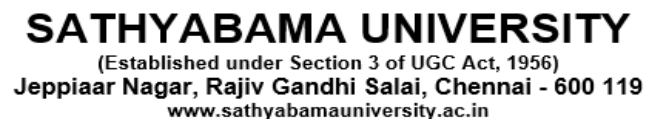
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Dr.N.M.Nandhitha, Dean / School of EE
Dr.K.V.Karthikeyan, HOD / ECE

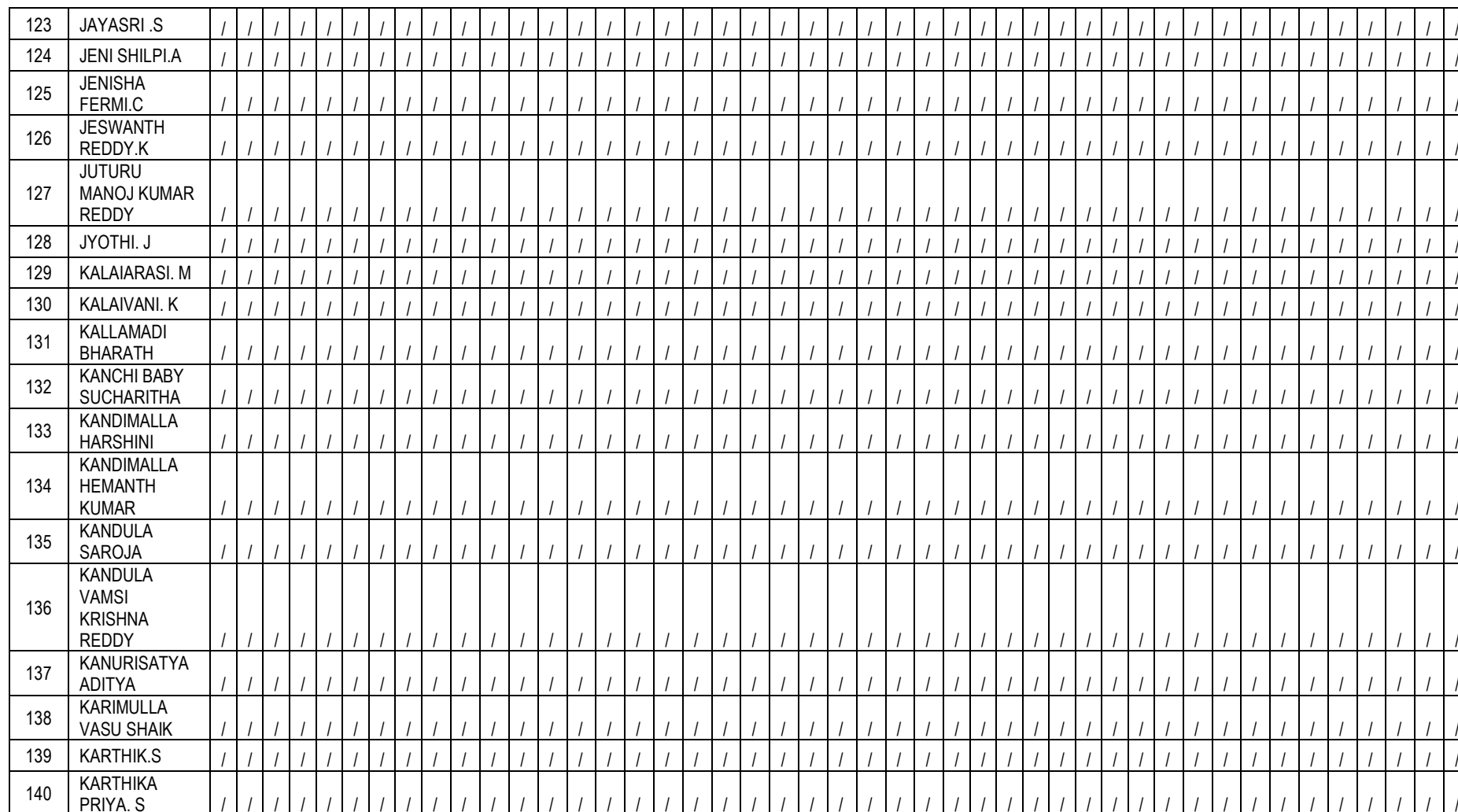
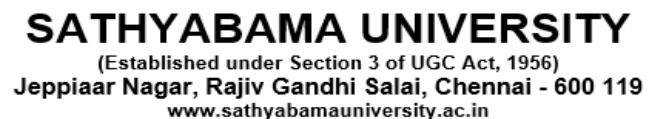
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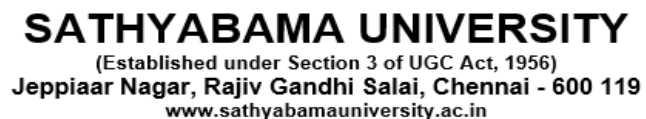


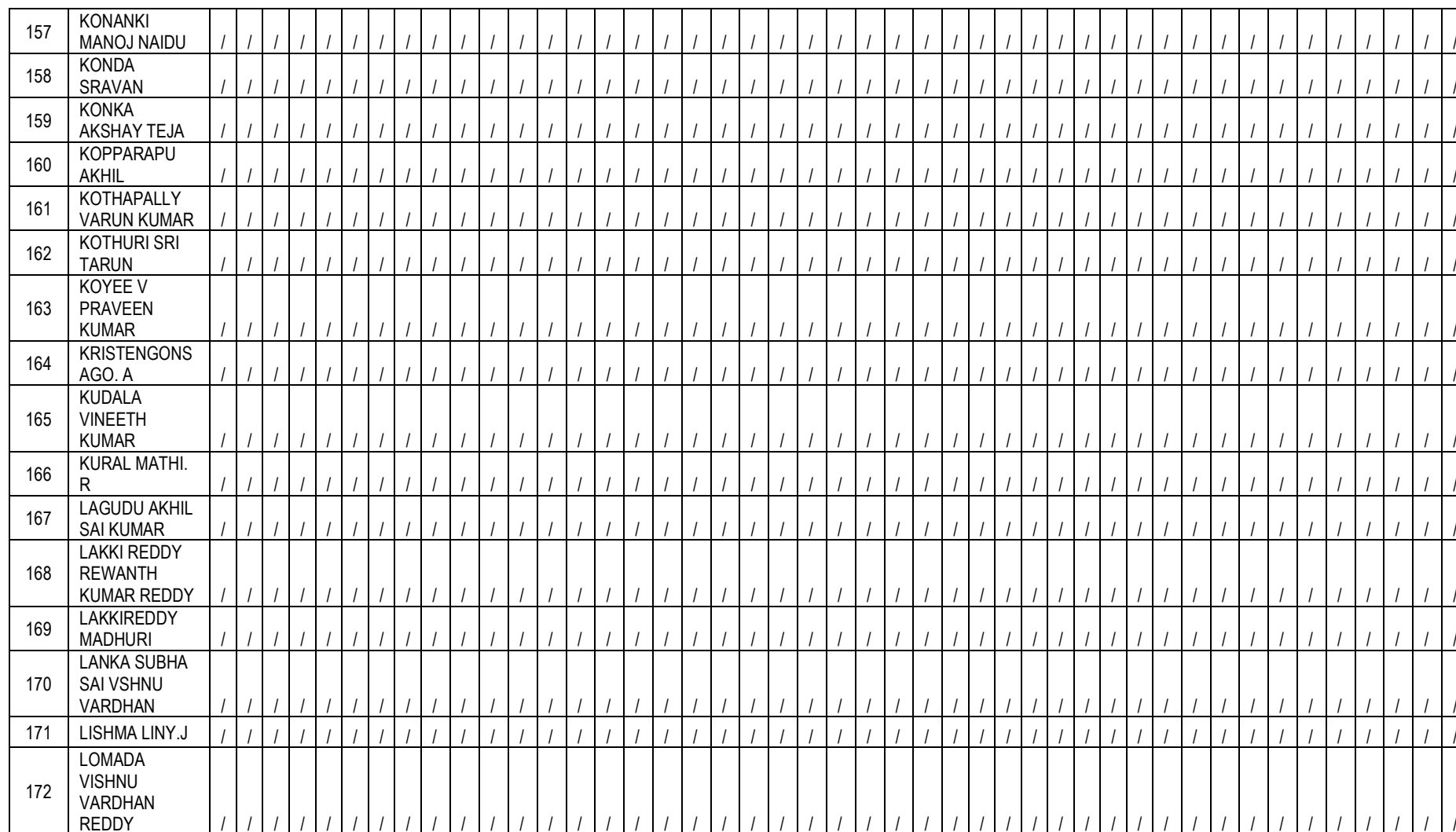
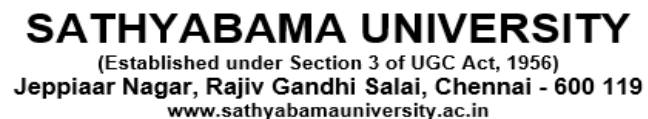
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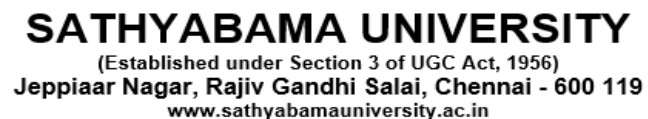
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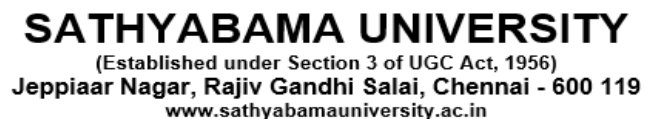
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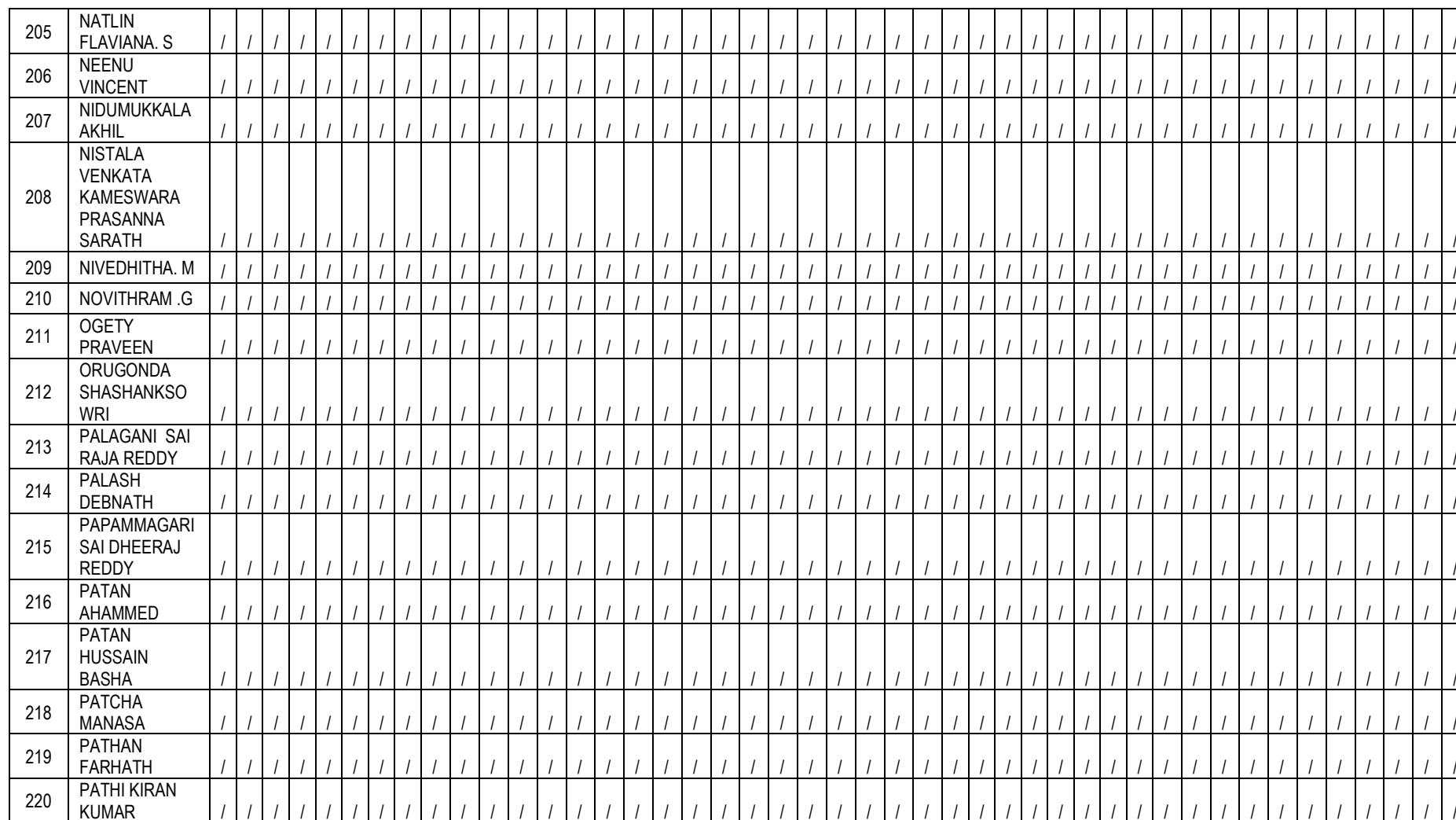
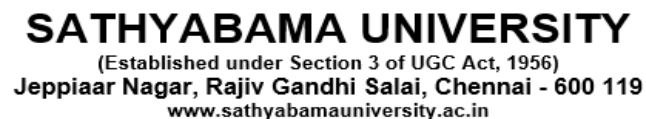


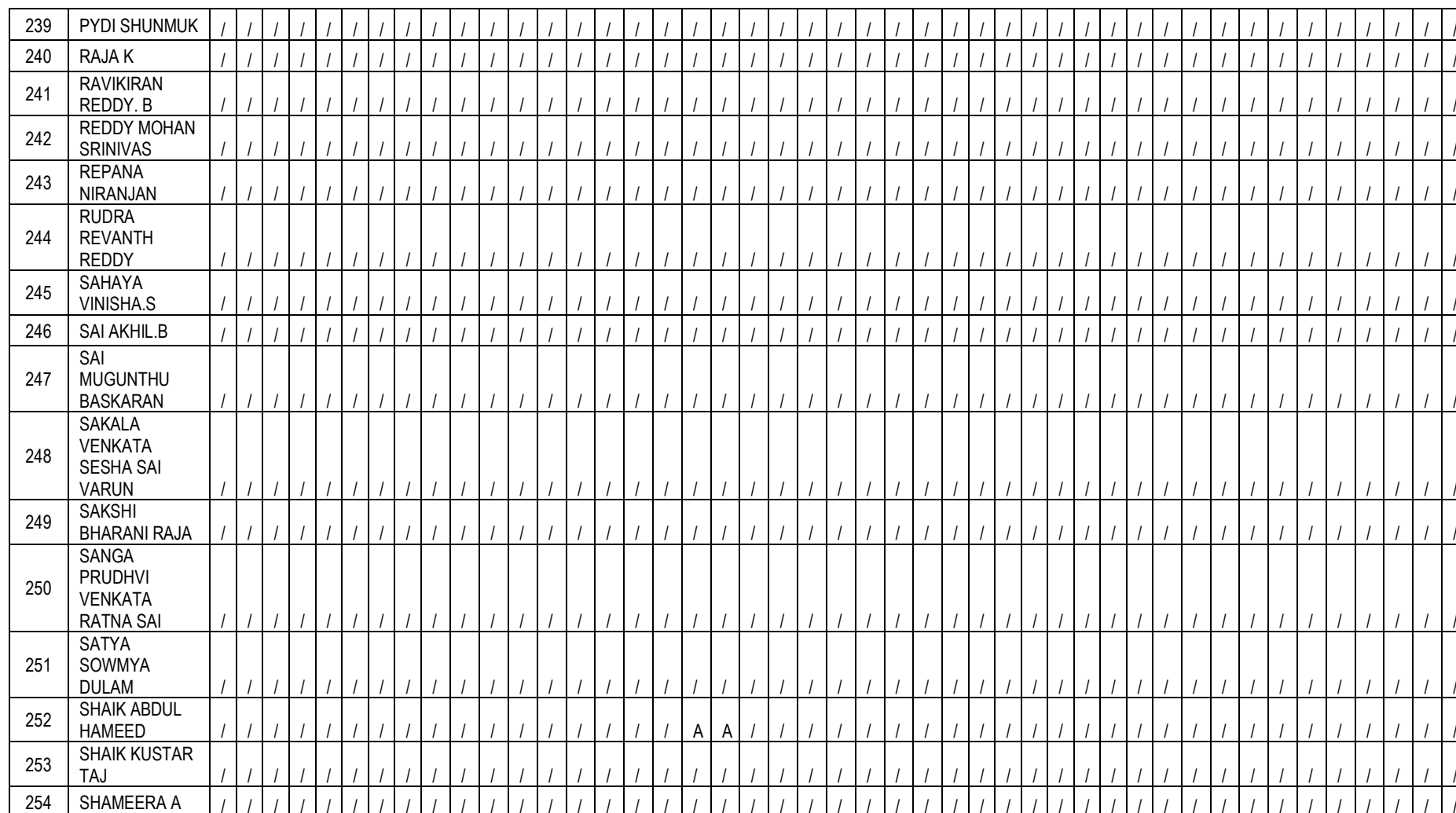
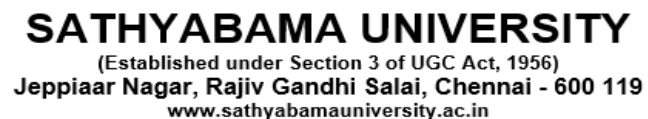
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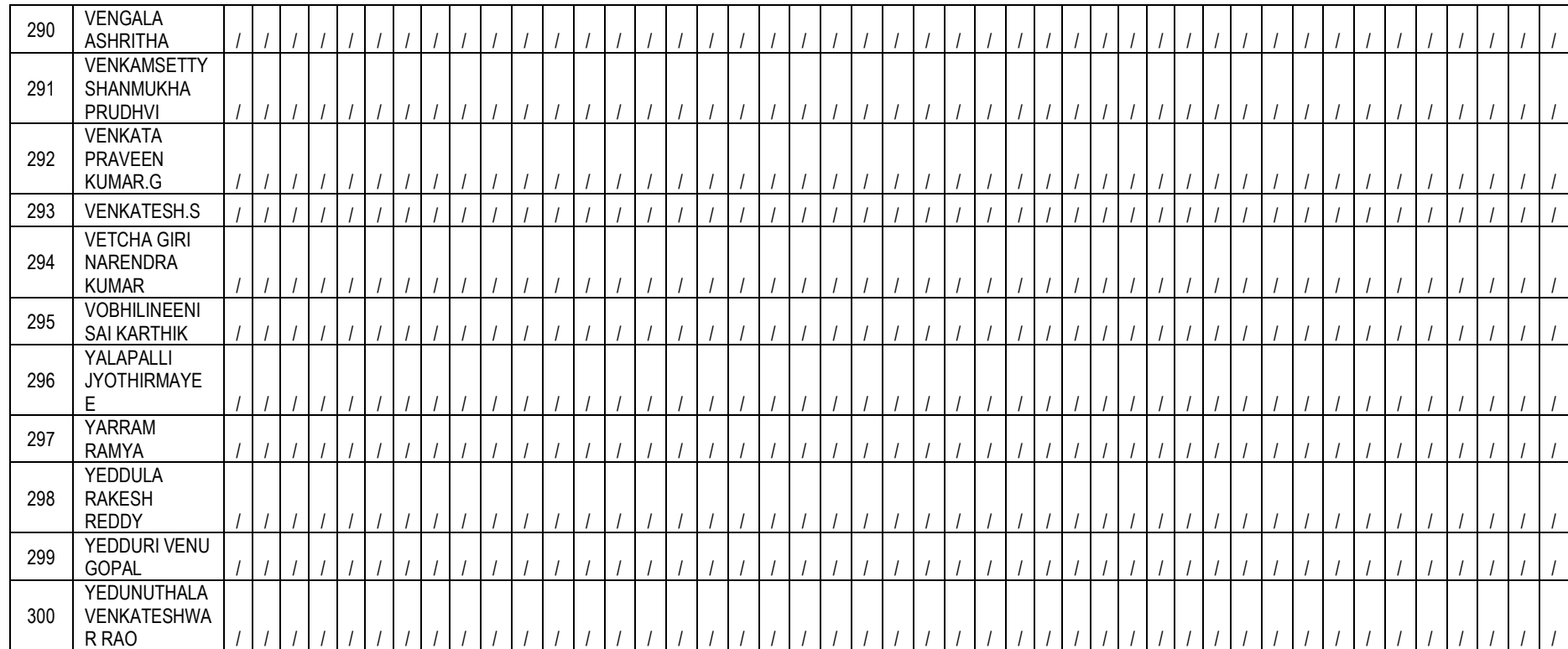
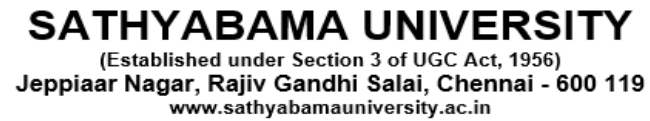


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This is to certify that Mr./Ms. DEVAROSHINI. D has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on 1st August to 22nd September 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
Dr. S.Lakshmi
Dept. of /ECE

Coordinator
Dr. K.V.Karthikeyan
HOD/ECE

Coordinator
Dr. N. M. Nandhitha
Dean/School of EE



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This is to certify that Mr./Ms. DEVATHI SIVA SHANKAR has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on 1st August to 22nd September 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that Mr./Ms. DHEEKONDA KALYANI has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on 1st August to 22nd September 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
Dr. S.Lakshmi
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Coordinator
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This is to certify that Mr./Ms. DIVYA SREE IDARA has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on 1st August to 22nd September 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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This is to certify that Mr./Ms. DODDA VIVEK KUMAR has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on **1st August to 22nd September 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that Mr./Ms. DUSYANTH MANIKS SURESH KUMAR has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on 1st August to 22nd September 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that Mr./Ms. EARNEST PAUL .S . J has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on 1st August to 22nd September 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that Mr./Ms. ELAKKIYA .K has successfully completed the Value added course
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Course - Coordinator
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Coordinator
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This is to certify that Mr./Ms. ELLA MADHAVA BABU has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on **1st August to 22nd September 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

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This is to certify that Mr./Ms. ELURI SRIVIDYA has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on 1st August to 22nd September 2017 organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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Coordinator
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HOD/ECE

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This is to certify that Mr./Ms. ENUKONDA NARASIMHA has successfully completed the Value added course “**Arduino Microcontroller, Embedded C Coding and I/O Interfacing**” held from on **1st August to 22nd September 2017** organized by the Department of Electronics and Communication Engineering, Sathyabama Institute of Science and Technology, Chennai.

Course - Coordinator
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Coordinator
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Dean/School of EE



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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	Internet of Things and its applications in Electrical Power Industry	• Triggering IoT
8.7.17		Mr.M.Yatish Country manager,Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India University Program		• Applications on IoT - Home and Building automation - Industries - Energy - Medical and Health Care - Transportation - Environment
15.7.17		Mr.Prashanth Ram,Technical head, Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India) University Program.		• Recent industrial trends in IoT
22.7.17		Mr.Prashanth Ram, Technical head,Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India) University Program.		• Micro controller applications using MSP430
29.7.17		Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology,		• Interface GPIO ports in C using MSP430 (blinking LEDs)

	Chennai		
5.8.17	Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology, Chennai		• LED control using a switch
12.8.17	Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology, Chennai		• PWM based speed control of motor controlled by potentiometer connected to GPIO
19.8.17	Mr.Krishnamoorthy, Assistant Professor, EIE, Sathyabama Institute of Science and Technology, Chennai		• SCADA
26.8.17	Mr.Krishnamoorthy, Assistant Professor, EIE, Sathyabama Institute of Science and Technology, Chennai		• Smart Metering
2.9.17	Mr. D. Jayaprakash, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		• Building Automation
9.9.17	Mr. D. Jayaprakash, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		• Connected Public Lighting
16.9.17	Mrs.Bharathi, Assistant Professor, EEE, Sathyabama Institute of Science and		• Smart Grid
			• Hands on Lab – connect and communicate to cloud.

		Technology, Chennai		
23.9.17		Mrs.Bharathi, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		Hands on Lab – connect and communicate to cloud.
30.9.17		Mrs.Kavitha, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		Discussion

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

CO1: Demonstrate the applications of IoT.

CO2: Identify the applications of Microcontroller using MSP430.

CO3: Analyze the software applications to control industrial process.

CO4: Analyze the ways to reduce the electricity bill by smart metering.

CO5: Demonstrate the variety of operations and energy measures using Smart Grid.

CO6: Demonstrate the ways to connect and communicate with cloud.

Sample Certificates: Internet of Things and its applications in Electrical Power Industry



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.


Dr V Sivachidambaranathan
Professor & Head
Department of EEE



Certificate

This is to certify that

JAYASHYAM. B

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.


Dr V Sivachidambaranathan
Professor & Head
Department of EEE



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Certificate

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JOE ARUL. 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.

Dr V Sivachidambaranathan
Professor & Head
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Certificate

This is to certify that

JUTURU CHINNAREDDIGARI SAI CHARAN REDDY

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.

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Department of EEE



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This is to certify that

KAJOL KAMINI. M

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.

Dr V Sivachidambaranathan
Professor & Head
Department of EEE



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Certificate

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KALLURU VENKATA HEMANTH

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.

Dr V Sivachidambaranathan
Professor & Head
Department of EEE

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

[illegible]

[illegible]



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		Dr.Annie Elizabeth Jebaseeli, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Modeling Photovoltaic Power
15.11.17		Dr.Susithra, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Optimization of photovoltaic power systems
16.11.17		Dr.Susithra, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Photovoltaic power generation system with photovoltaic cells as bypass diodes
17.11.17		Dr.Vaniitha, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Added values of photovoltaic power systems

Course Outcomes for the Course: Solar Photovoltaic Technology

CO1: Design a small and standalone photovoltaic power system.

CO2: Demonstrate the modelling of Photovoltaic power.

CO3: Analyze the optimization of Photovoltaic power systems.

CO4: Examine the Photovoltaic power generation systems with photovoltaic cells as bypass diodes.

CO5: Analyze the efficiency of integrating the solar into buildings.

CO6: Demonstrate the problems arising in Photovoltaic power systems from mismatch in radiation and variation of temperature.

Sample Certificates: Solar Photovoltaic Technology



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



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Certificate

This is to certify that

ARUN PRAKASH. M

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
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Certificate

This is to certify that

ASHISH THAKUR

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.

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Certificate

This is to certify that

ASWIN KARUPPAN CHETTY.PL

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.

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Certificate

This is to certify that

BALUSU PRUDHVI

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.

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Certificate

This is to certify that

BATTINA GANGADHAR

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
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This is to certify that

BAVITHRA. K

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.

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Certificate

This is to certify that

BOLLAVARAM SUMANTH REDDY

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
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Certificate

This is to certify that

BOGGAVARAPU VAMSI KRISHNA

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	13.11.17	14.11.17	15.11.17	16.11.17	17.11.17
1.	14SEE107	ARUN PRAKASH. M	2014 /IV Year	p	p	p	p	p
2.	14SEE603	ASHISH THAKUR	2014 /IV Year	p	p	p	p	p
3.	14SEE164	ASWIN KARUPPAN CHETTY.PL	2014 /IV Year	p	p	p	p	p
4.	14SEE632	BALUSU PRUDHVI	2014 /IV Year	p	p	p	p	p
5.	14SEE702	BATTINAGANGADHAR	2014 /IV Year	p	p	p	p	p
6.	14SEE552	BAVITHRA K	2014 /IV Year	p	p	p	p	p
7.	14SEE156	BOGGAVARAPU VAMSI KRISHNA	2014 /IV Year	p	p	p	p	p
8.	14SEE639	BOLLAVARAM SUMANTH REDDY	2014 /IV Year	p	P	p	p	p
9.	14SEE670	CATHARIN MATHUMITHA.C	2014 /IV Year	p	p	p	p	p
10.	14SEE108	CHAPPIDI HARISH	2014 /IV Year	p	p	p	p	p
11.	15SEE520	SURAGANI THIRUPATHIRAO	2015 / III Year	p	p	p	p	p
12.	15SEE806	SURUTHI.R	2015 / III Year	p	p	p	p	p
13.	15SEE150	SUSHMITA MAHATO	2015 / III Year	p	p	A	p	p
14.	15SEE969	TAMIL SELVI.K	2015 / III Year	p	p	p	p	p
15.	15SEE521	TONY KORUTHU VATTACHAKAL	2015 / III Year	p	p	p	p	p
16.	15SEE970	TUMMALADILEEP KUMAR	2015 / III Year	p	p	p	p	p
17.	15SEE971	UMA MAHESWARI.S	2015 / III Year	A	p	p	p	p
18.	15SEE805	VIJAYALAKSHMI.R	2015 / III Year	p	p	p	p	p
19.	15SEE151	YAKUB SAHEB GARI GHOUSE HUSSAIN BASHA	2015 / III Year	p	p	p	p	p
20.	16SLEE704	ANDRILA DEY	2015 / III Year	p	p	p	p	p
21.	16SLEE701	BATTU GOPICHANDU	2015 / III Year	p	p	p	p	A
22.	16SLEE702	KASULA PRANAY KUMAR	2015 / III Year	p	p	p	p	p
23.	16SLEE901	PALA LAKSHMI VENKATA KASI VISWANADH	2015 / III Year	p	p	p	p	p
24.	16SLEE705	PUTHINEEDITARUN NAGA VENKATA SAI VINAY	2015 / III Year	p	p	p	p	p
25.	16SLEE703	SIRIGIREDDY SIVA TEJA REDDY	2015 / III Year	p	p	p	p	p
26.	16SLEE706	YARRAGUDI GANGADHARA REDDY	2015 / III Year	A	p	p	p	p
27.	16SLEE903	R HARISH RATHINAM	2016 / II Year	p	p	p	p	p
28.	16SEE801	DEBANJALEE ROY	2016 / II Year	p	p	p	p	p
29.	16SEE958	DHANALAKSHMI. S.	2016 / II Year	p	p	p	p	p
30.	16SEE009	GOPAL JEE KESHRI	2016 / II Year	p	p	p	p	p

31.	16SEE010	GOPANU RUSHENDRA	2016 / II Year	p	p	p	p	p
32.	16SEE011	GURRALA TIRUPATHI NARASIMHA REDDY	2016 / II Year	p	p	p	p	p
33.	16SEE012	GURRAM VINAY	2016 / II Year	p	p	p	p	p
34.	16SEE961	HEMA PRIYA R.	2016 / II Year	p	p	p	p	p
35.	16SEE913	IJAZ AHMED. T.	2016 / II Year	p	p	p	p	p



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. Sivachidambaramathan, 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		Dr.S.Ramesh, Dept. of Electronics and Communication Engineering, Jeppiaar Engineering College, Chennai.		Arduino based home automation using Internet of things (IoT)
10.01.18		Mr.Sugadev, Assistant Professor,ECE, Sathaybama Institute of Science and Technology, Chennai.		IoT based Temperature and Humidity Controlling using Arduino and Raspberry Pi
11.01.18		Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology, Chennai.		Home Automation using Voice Via Bluetooth Through Raspberry PI 3
12.01.18		Mr.Krishnamoorthy, Assistant Professor, EIE, Sathyabama Institute of Science and Technology, Chennai.		Miniature Autonomous Vehicle Development using Raspberry Pi

Course Outcomes for the Course: Applications using Arduino and Raspberry Pi

CO1: Demonstrate various Systems Based on Raspberry-Pi Technology.

CO2: Develop the Arduino based home automation using Internet of things (IoT).

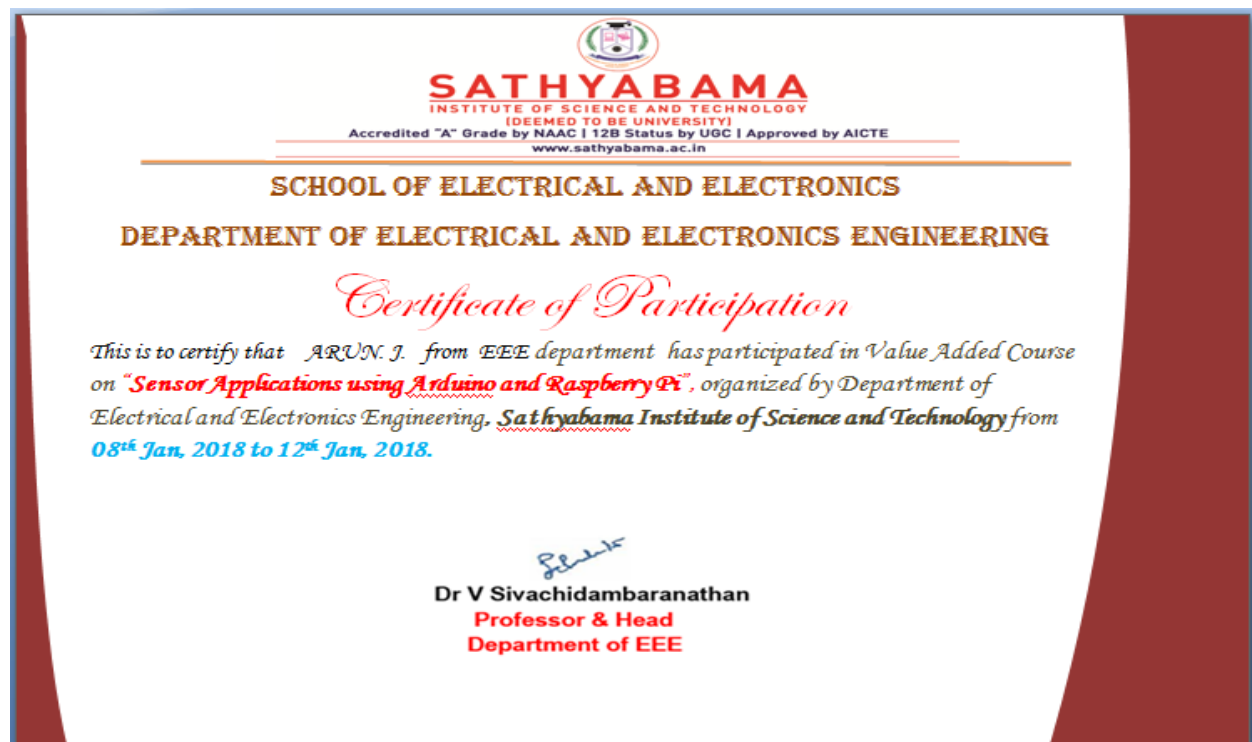
CO3: Analyze the Temperature and Humidity Controlling using Arduino and Raspberry Pi.

CO4: Construct the voice automated Home appliance using Raspberry Pi 3.

CO5: Demonstrate the open source Raspberry Pi home software options.

CO6: Develop miniature autonomous vehicle using Raspberry Pi.

Sample Certificates: Applications using Arduino and Raspberry Pi





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Certificate of Participation

This is to certify that **TEKI RAJESH** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018**.

Dr V Sivachidambaranathan
Professor & Head
Department of EEE



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Certificate of Participation

This is to certify that **SURENDAR. S** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018**.

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Certificate of Participation

This is to certify that **THIYANESHWARI. M** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

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Certificate of Participation

This is to certify that **VAHINI. R** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

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Certificate of Participation

This is to certify that **VENISHETTY AKSHAY** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

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Professor & Head
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Certificate of Participation

This is to certify that **VIGNESH. S.** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

Dr V Sivachidambaranathan
Professor & Head
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Certificate of Participation

This is to certify that **VIJAYAKUMAR. S** from EEE department has participated in Value Added Course on "**Sensor Applications using Arduino and Raspberry Pi**", organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

Dr V Sivachidambaranathan
Professor & Head
Department of EEE

Participant List: Sensor Applications using Arduino and Raspberry Pi

S.No	Roll No	Name of the Student	Batch/Year	8.1.18	9.1.12	10.1.18	11.1.18	12.1.18
1.	16SEE519	SURENDAR. S.	2016 / II Year	P	P	P	P	P
2.	16SEE024	TEKIRAJESH	2016 / II Year	P	P	P	P	P
3.	16SEE976	THIYANESHWARI. M.	2016 / II Year	P	P	P	P	P
4.	16SEE977	VAHINI. R.	2016 / II Year	P	P	P	P	P
5.	16SEE901	VENISHETTYAKSHAY	2016 / II Year	P	P	A	P	P
6.	16SEE026	VIGNESH. S.	2016 / II Year	P	P	P	P	P
7.	16SEE978	VIJAYAKUMAR. S.	2016 / II Year	P	P	P	P	P
8.	16SEE979	VINITHA B.	2016 / II Year	P	P	P	P	P
9.	16SEE805	VINITHA I.	2016 / II Year	P	P	P	P	P
10.	16SEE806	VUDAVAGANDLA DEEPA VANI	2016 / II Year	P	P	P	P	P
11.	16SEE907	YADHANAPARTHI SAIKRISHNA	2016 / II Year	P	P	P	P	P
12.	16SEE980	YAMUNA. M.	2016 / II Year	P	P	P	P	P
13.	16SEE981	YAZHINI. M.	2016 / II Year	P	P	P	P	P
14.	16SEE520	YUVANESAVAN. M.	2016 / II Year	P	P	P	P	P
15.	16SEE521	YUVARAJ. V.	2016 / II Year	P	P	P	P	P
16.	16SEE527	AFSAL AHAMED. A	2016 / II Year	P	P	P	A	P
17.	16SEE526	VINEET CHADALAVADA	2016 / II Year	P	P	P	P	P
18.	17SLEE701	GADDE NAGA VAMSI	2016 / II Year	P	P	P	P	P
19.	17SLEE702	ILLAM PARUTHI C	2016 / II Year	P	A	P	P	P
20.	16SEC916	BIREDDY NAVEEN KUMAR REDDY	2016 / II Year	P	P	P	P	P
21.	16SEC087	CHOLLETI KRANTHI KUMAR	2016 / II Year	P	P	P	P	P
22.	16SEC807	DEEPIKA. R	2016 / II Year	P	P	P	P	P
23.	16SEC094	DEVARAKOTA JAYASRI GOVIND ANIL	2016 / II Year	P	P	P	P	P
24.	16SEC616	DHANUSH KUMAR. R	2016 / II Year	P	P	P	P	P
25.	3618025	PATIL NIKHIL PRAKASH	2016 / II Year	P	P	P	P	P
26.	3618026	PRATHEEK	2016 / II Year	P	P	P	P	P
27.	3618027	PRATHI SUDHEER VENKATA SAI RAM	2016 / II Year	P	P	P	P	A
28.	3618028	PURUSHOTTAM ROY	2016 / II Year	P	P	P	P	P
29.	3618029	RAJ RAVI	2016 / II Year	P	P	P	P	P
30.	3618025	PATIL NIKHIL PRAKASH	2016 / II Year	P	A	P	P	P



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

www.sathyabama.ac.in

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		Mr.Gopalan,RIPE consultancy services,chennai		Introduction to Smartgrid Ecosystem
21.02.18		Mrs.Geetha Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai.		HVDC Macrogrid Design
22.02.18		Mrs.M.Pushpavalli Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai.		The Power Electronics-Enabled Smart Grid
23.02.18		Mrs.Abirami Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai.		Electric Grid Resilience

Course Outcomes for the Course: Advanced Control in Smart grid

CO1: Demonstrate the feature of Distributed Energy Resources.

CO2: Analyze the interactive energy management with smart grid.

CO3: Design a high performance network with HVDC macro grid.

CO4: Identify the role of power electronics in smart grid implementation and development.

CO5: Develop a power electronics voltage regulator using TRIAC for distribution feeders.

CO6: Demonstrate the concepts of Electric Grid Resilience.

Sample Certificates: Advanced Control in Smart grid





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Certificate

THIS IS TO CERTIFY THAT

DIVYA DEEPTHI

CHALUMURI

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 .Sivachidambaramanathan,
Professor & Head
Department of EEE
School of EEE



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Certificate

THIS IS TO CERTIFY THAT

ELAKKIYA SELVAN, E

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
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THIS IS TO CERTIFY THAT

GADDE ISAAC ANKITH

HAS SUCCESSFULLY PARTICIPATED IN VALUE ADDED COURSE ON
"ADVANCED CONTROL IN SMART GRID" ORGANIZED BY DEPARTMENT OF ELECTRICAL
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THIS IS TO CERTIFY THAT

GLADY CORDELIA. J

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 .Sivachidambaramanathan,
Professor & Head
Department of EEE
School of EEE

Participants: Advanced Control in Smart grid

S.No	Roll No.	Name of the Student	Batch/Year	19.2.18	20.2.18	21.2.18	22.2.18	23.2.18
1.	14SEE311	DIVYA DEEPTHICHALUMURI	2014 / IV Year	P	P	P	P	P
2.	14SEE501	ELAKKIYA SELVAN. E	2014 / IV Year	P	P	P	P	P
3.	14SEE628	GADDE ISAAC ANKITH	2014 / IV Year	P	P	P	P	P
4.	14SEE651	GANJI VENKAT A PAVAN	2014 / IV Year	P	P	A	P	P
5.	14SEE646	GARAPATI BHAVYA LAHARI	2014 / IV Year	P	P	P	P	P
6.	14SEE704	GARIKIPATI BHARGAV GOPALA KRISHNA	2014 / IV Year	P	P	P	P	P
7.	14SEE302	GLADY CORDELIA J	2014 / IV Year	A	P	P	P	P
8.	14SEE157	GOKULRAAJ. V	2014 / IV Year	P	P	P	P	P
9.	14SEE111	GOKUL SAI. G. L	2014 / IV Year	P	P	P	P	P
10.	14SEE640	GUDURU INDU	2014 / IV Year	P	P	P	P	P
11.	15SEE149	PANCHALA SAKUMAR	2015 / III Year	P	A	P	P	P
12.	15SEE136	PASALA BOBBY SUDHEER	2015 / III Year	P	P	P	P	P
13.	15SEE137	PASTAM VYSHNAVI	2015 / III Year	P	P	P	P	P
14.	15SEE103	PATHAN AMZADKHAN	2015 / III Year	P	P	P	A	P
15.	15SEE962	PAVITHRAS	2015 / III Year	P	P	P	P	P
16.	15SEE142	PEDDAPALLE SAINATH REDDY	2015 / III Year	P	P	P	P	P
17.	15SEE138	POKURISAI SINDHUJA	2015 / III Year	P	P	A	P	P
18.	15SEE139	POLISETTYMEHAR SATYA GUNESH	2015 / III Year	P	P	P	P	P
19.	15SEE140	POTHURISAI SUMANTH	2015 / III Year	P	P	P	P	P
20.	15SEE523	PRABU.M	2015 / III Year	P	P	P	P	P
21.	16SEE958	DHANALAKSHMI. S.	2016 / II Year	P	A	P	P	P
22.	16SEE959	DHANUSH. R.	2016 / II year	P	P	P	P	P



Course: Advanced Control in Smart grid

Course :Advancements in Electrical vehicles



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SCHOOL OF ELECTRICAL AND ELECTRONICS
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.SenthilNayagam 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		Mr.SenthilNayagam Assistant Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Charging Technologies For Commercial Electric Vehicles
14.03.18		Mr.Padmanaban, Assistant Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Improving Electric Vehicle Performance Using Photovoltaic Cells
15.03.18		Mr.Padmanaban, Assistant Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Challenges and Opportunities for Electric Vehicle Adoption
17.03.18		Mrs.Bharathi, Assistant Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Ride Blending Control for Electric Vehicles

Course Outcomes for the Course: Advancements in Electrical vehicles

CO1: Design a hybrid electric car using solar cells.

CO2: Identify the charging technologies for commercial electric vehicles.

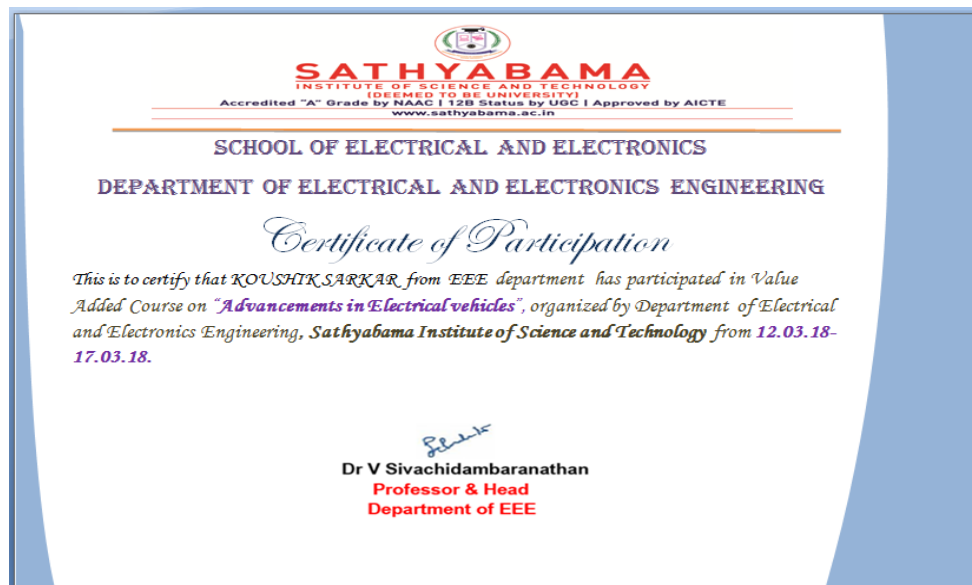
CO3: Analyze the performance of electric vehicle using photovoltaic cells.

CO4: Demonstrate the challenges and opportunities for electric vehicle adoption.

CO5: Identify the challenges in installation of charging station for electric vehicles.

CO6: Analyze the enhancement of ride comfort of EV vehicle using Ride blend control.

Sample Certificates: Advancements in Electrical vehicles





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Certificate of Participation

This is to certify that KASETTY NARASIMHA 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 Sivachidambaranathan
Professor & Head
Department of EEE



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Dr V Sivachidambaranathan
Professor & Head
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This is to certify that KISHORE KUMAR. S 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 Sivachidambaranathan
Professor & Head
Department of EEE



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Dr V Sivachidambaranathan

Professor & Head

Department of EEE



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Dr V Sivachidambaranathan

Professor & Head

Department of EEE

Participants: Advancements in Electrical vehicles

S.No	Roll No.	Name of the Student	Batch/Year	12.3.18	13.3.18	14.3.18	15.3.18	16.3.18
1.	14SEE684	KASSETTYNARASIMHA	2014 / IV Year	P	P	P	P	P
2.	14SEE120	KATTULASAIRITEJ	2014 / IV Year	P	P	P	P	P
3.	14SEE121	KILARU SAITEJA	2014 / IV Year	P	P	P	P	P
4.	14SEE122	KISHORE KUMAR. S	2014 / IV Year	P	P	P	P	P
5.	14SEE654	KODAKANDLA AKHIL	2014 / IV Year	P	P	P	P	P
6.	14SEE153	KONDREDDYSAI VAMSI KRISHNA REDDY	2014 / IV Year	A	P	P	P	P
7.	14SEE159	KOTASANJEEV VISHAL	2014 / IV Year	P	P	A	P	P
8.	14SEE123	KOUSHIK SARKAR	2014 / IV Year	P	P	P	P	P
9.	14SEE630	KOWURU RAM TEJA	2014 / IV Year	P	P	P	P	P
10.	14SEE313	KRANTHI.K	2014 / IV Year	P	P	P	P	P
11.	14SEE697	KUKKADAPU MOUNIKA DEVI	2014 / IV Year	P	A	P	P	P
12.	14SEE686	KUNDA SANATH KUMAR REDDY	2014 / IV Year	P	P	P	P	P
13.	14SEE622	KUNDE TISRI VENKAT ANAGA VAMSI	2014 / IV Year	P	P	P	P	P
14.	14SEE315	LAKSHMI PREETHI. P. S	2014 / IV Year	P	P	P	P	P
15.	14SEE656	LINGUTLASIVA KRISHNA	2014 / IV Year	P	P	P	P	P
16.	14SEE125	LOUISA CHAKRAMAKAL	2014 / IV Year	P	P	P	P	P
17.	14SEE680	MALIGIREDDY SADEEP REDDY	2014 / IV Year	P	P	P	P	P
18.	14SEE679	MALLU JAYA SREEKANTH REDDY	2014 / IV Year	P	P	P	P	A
19.	14SEE705	MANIMEGALAI. S	2014 / IV Year	P	P	P	P	P
20.	14SEE668	MANOJ. G	2014 / IV Year	P	P	P	P	P
21.	15SEE114	GANGULAHEMANTH REDDY	2015 / III Year	P	P	A	P	P
22.	15SEE972	GANJI VEERA SIVA LEELA	2015 / III Year	P	P	P	P	P
23.	15SEE959	GOMATHI.R	2015 / III Year	P	P	P	P	P
24.	15SEE112	GUDLAVALLETTI VENKATA RAGHADEEPIKA	2015 / III Year	P	P	P	P	P
25.	15SEE116	GUMMALLAMANOJ KUMAR	2015 / III Year	P	P	P	P	P
26.	15SEE527	GUNARAJ.C	2015 / III Year	P	P	P	P	P
27.	15SEE117	GUNTHALOHITH KUMAR	2015 / III Year	P	A	P	P	P
28.	15SEE118	HARISHANKAR.K	2015 / III Year	P	P	P	P	P
29.	15SEE801	JACKULIN STEPHY.V	2015 / III Year	P	P	P	P	P
30.	16SEE961	HEMA PRIYA. R.	2016 / II Year	P	P	P	P	P
31.	16SEE913	IJAZ AHMED. T.	2016 / II Year	P	P	P	P	P



Course: Advancements in Electrical vehicles



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SCHOOL OF BIO AND CHEMICAL ENGINEERING

DEPARTMENT OF CHEMICAL ENGINEERING

VALUE ADDED COURSE ON

Hands on Training on Chemical process simulation

FROM

21-08- 2017

TO

18-09-2017

Course Coordinator

Mr. D Venkatesan – Assistant Professor , Department of Chemical Engineering, Sathyabama Institute of Science and Technology

Mr.J.Aravindkumar – Assistant Professor , Department of Chemical Engineering, Sathyabama Institute of Science and Technology

For registration:

https://docs.google.com/forms/d/1wOAcqojQhmUuQonafLNsP4F_YtqbUFXf7ttuaa1yFuW/edit

For Queries contact: chemicalhod@sathyabama.ac.in

Objective of this course:

To develop necessary skills to design process plant using process simulation software

Course Outcomes:

1. Learn the overview process fundamentals
2. Apply material and energy balance
3. Understand unit processes/operations involved in process industries
4. Develop detailed engineering concept
5. Develop conceptual design of a chemical plant.
6. Design major unit processes/operations of an refinery industries

Module	Topics	Name of the Faculty	No of Sessions	Venue
1	The systematic Analysis of Chemical, Processes, Representation of a Chemical Process in terms of Flow sheet. Scale of Chemical Processes.	Mr.D Venkatesan	6 hr	Seminar Hall
2	Material and Energy balance	Dr.Naveen Prasad	6 hr	Seminar Hall
3	Synthesis of separation systems – separation system design,vapor recovery and gasseparation, liquid separation, simple distillation, complex separations – azeotropic distillation,reactive distillation, pressure swing distillation, heat integration, challenges inthe design of future separation processes	Dr.D Prabhu	6hr	Seminar Hall
4	Examples and simulation of mathematical models of chemical engineering systems ,introduction, isothermal, constant hold up CSTRs, CSTRs with variable hold, ups, two heated tanks, gas phase pressurized CSTR, non, isothermal CSTR, single component vaporizer, multi,component flash drum, batch reactor,	Mr.J.Aravind kumar	6hr	Seminar Hall
5	Process Simulation,	Mr.D Venkatesan	6hr	Seminar Hall

	steady state dynamic simulation of simple distillation unit using aspen plus- open loop dynamics and control structure synthesis, closed loop dynamics, introduction to process engineering packages and simulation of simple distillation unit using computer programming, reactor/ separator/ recycle systems, introduction to plant wide control			
6	Assessment	Mr.D Venkatesan	1hr	Seminar Hall

Vision

We empower the student community to maximize their potential for the development and transfer of technical competence in the field of Chemical Engineering through academic and research excellence extending service to the mankind.

Mission

M1: To produce socially responsible chemical engineers of high academic pursuit who will contribute to challenges and improvement of process industries worldwide.

M2: To excel in research with an in-depth knowledge of core principles for providing solutions in process industries.

M3: To enhance the experienced learning in collaboration with esteemed National and International Institutes/ Universities/ Industries.

M4: To develop sustainable solutions for the societal needs.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Excellence in Career: Compete globally with strong domain knowledge, updated with modern technology to provide effective solutions for engineering problems.

PEO2: Professional Expertise: Design of plants and process equipment's with research attitude, lifelong learning, investigative approach and multidisciplinary thinking.

PEO3: Exercising leadership: Exhibit strong managerial and communication skills to work efficiently as individual as well as in teams.

PEO4: Societal Contribution: Succeed as an entrepreneur and as environmental developer/consultant to solve the practical problems.

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DEPARTMENT OF CHEMICAL ENGINEERING

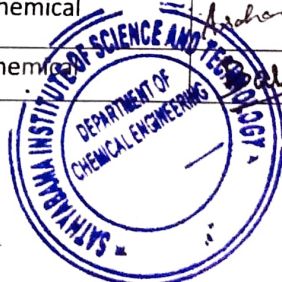
SCHOOL OF BIO AND CHEMICAL ENGINEERING

Hands on Training on Chemical Process Simulation

LIST OF PARTICIPANTS

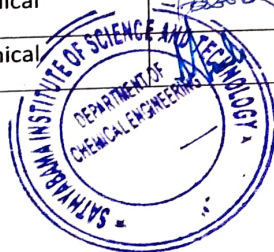
S.No	Name	Roll No	Department	Day1	Day 2	Day3	Day 4	Day 5
1	AARTHI KANNAN	15SCH801	Chemical	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi
2	ABDUL RAHMAN. N	15SCH501	Chemical	Abdul	Abdul	Abdul	Abdul	Abdul
3	ABHINAVU ANTONY	15SCH502	Chemical	Abhinav	Abhinav	Abhinav	Abhinav	Abhinav
4	ABRAAR AHMEDH. A	15SCH503	Chemical	A.Ahmedh	A.Ahmedh	A.Ahmedh	A.Ahmedh	A.Ahmedh
5	ABU BAKKAR SIDDIQ. P	15SCH504	Chemical	Abu Bakkar	Abu Bakkar	Abu Bakkar	Abu Bakkar	Abu Bakkar
6	ADITH. S. KUMAR	15SCH505	Chemical	Adith	Adith	Adith	Adith	Adith
7	AJIL FRANCIS	15SCH506	Chemical	Ajil Francis	Ajil Francis	Ajil Francis	Ajil Francis	Ajil Francis
8	AKASH PRITHIV. T	15SCH508	Chemical	AK	AK	AK	AK	AK
9	ANAND. S	15SCH509	Chemical	Anand	Anand	Anand	Anand	Anand
10	ANGELINE DAISY PREETHI. R.C	15SCH802	Chemical	Angeline	Angeline	Angeline	Angeline	Angeline
11	ARCHANA. U	15SCH803	Chemical	Archana	Archana	Archana	Archana	Archana
12	BALAJI. G	15SCH101	Chemical	Balaji	Balaji	Balaji	Balaji	Balaji

Dr. S. S. S.



[Handwritten signature]

13	BALASUBRAMANIAM. S.J	15SCH538	Chemical	Bala	Bala	Bala	Bala	Bala
14	DEEPIKA. S	15SCH804	Chemical	Deepika	Deepika	Deepika	Deepika	Deepika
15	EARNEST MARSHAL. P	15SCH510	Chemical	marshal.p	marshal.p	marshal.p	marshal.p	marshal.p
16	GEORGE PHILIP	15SCH511	Chemical	Philip	Philip	Philip	Philip	Philip
17	GUHAN. R	15SCH951	Chemical	Guh	Guh	Guh	Guh	Guh
18	HARISH. S	15SCH512	Chemical	Hari	Hari	Hari	Hari	Hari
19	HARI RASWANTH. R.S	15SCH537	Chemical	Hari	Hari	Hari	Hari	Hari
20	JAYAPRAVEEN. G	15SCH513	Chemical	Praveen	Praveen	Praveen	Praveen	Praveen
21	JESTO TOM THOMAS	15SCH514	Chemical	Thomas	Thomas	Thomas	Thomas	Thomas
22	JOE TERRY VAIZ. J	15SCH515	Chemical	Joe	Joe	Joe	Joe	Joe
23	KAMALNATH. V	15SCH547	Chemical	Kamalath	Kamalath	Kamalath	Kamalath	Kamalath
24	MANDA SESANK SRINIVAS	15SCH102	Chemical	Sesank	Sesank	Sesank	Sesank	Sesank
25	MANOJ KUMAR. M	15SCH519	Chemical	Manoj Kumar	Manoj Kumar	Manoj Kumar	Manoj Kumar	Manoj Kumar
26	MANOJ KUMAR. N	15SCH906	Chemical	Manoj	Manoj	Manoj	Manoj	Manoj
27	MEKALA. G	15SCH952	Chemical	Mekala	Mekala	Mekala	Mekala	Mekala
28	MOHAMMED AYUB. A	15SCH520	Chemical	Mohammed	Mohammed	Mohammed	Mohammed	Mohammed
29	MOHAMED HABBAR. S	15SCH521	Chemical	Habbar	Habbar	Habbar	Habbar	Habbar
30	MONISH PRASAD	15SCH904	Chemical	Monish	Monish	Monish	Monish	Monish



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31	NIRANJAN. M	15SCH526	Chemical	Niranjan	Niranj	Niranj	Niranj	Niranj
32	NOYAL ABEY	15SCH104	Chemical	Noyal	Noyal	Noyal	Noyal	Noyal
33	PEER THOWHEEM KHAN. Z	15SCH527	Chemical	Peer	Peer	Peer	Peer	Peer
34	PRASANNA KUMAR. G	15SCH528	Chemical	P. Kumar	P. Kumar	P. Kumar	P. Kumar	P. Kumar
35	PURNA PUSHKALA. S	15SCH806	Chemical	Purna	Purna	Purna	Purna	Purna
36	RAHUL. R	15SCH529	Chemical	Rahul	Rahul	Rahul	Rahul	Rahul
37	RESHMAA BALASUBRAMANIAN	15SCH105	Chemical	Reshma	Reshma	Reshma	Reshma	Reshma
38	RITU RAJ SINGH	15SCH545	Chemical	Raj	Raj	Raj	Raj	Raj
39	ROHAN. M	15SCH901	Chemical	Rohan	Rohan	Rohan	Rohan	Rohan
40	SABARI NATHAN. S	15SCH540	Chemical	Sabari	Sabari	Sabari	Sabari	Sabari
41	SANGEETH. A	15SCH531	Chemical	Sangeeth	Sangeeth	Sangeeth	Sangeeth	Sangeeth
42	SANTHOSHI. R	15SCH808	Chemical	Santhoshi	Santhoshi	Santhoshi	Santhoshi	Santhoshi
43	SENTHILVELAN. K	15SCH902	Chemical	Senthil	Senthil	Senthil	Senthil	Senthil
44	SUBHAJIT TALUKDAR	15SCH903	Chemical	Subhagit	Subhagit	Subhagit	Subhagit	Subhagit
45	SUNDAR. I	15SCH544	Chemical	Sundar	Sundar	Sundar	Sundar	Sundar
46	AJI S KUMAR	16SCH802	Chemical	Aji Kumar	Aji Kumar	Aji Kumar	Aji Kumar	Aji Kumar
47	AKASH. T	16SCH527	Chemical	Akash	Akash	Akash	Akash	Akash
48	ANANTHA KRISHNAN. S. M	16SCH002	Chemical	Anantha	Anantha	Anantha	Anantha	Anantha



Ansara

Ansara



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AARTHI KANNAN

of Sathyabama Institute of Science and Technology has successfully Completed
the Value Added Course titled " **HANDS ON TRAINING IN CHEMICAL
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MONISH PRASAD

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DEPARTMENT OF CONSERVATIVE DENTISTRY AND ENDODONTICS
VALUE ADDED COURSE ON MOLAR ENDODONTICS (ENDO-EZ-2018) 24TH -27TH
APRIL 2018



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SATHYABAMA DENTAL COLLEGE AND HOSPITAL
Department of Conservative Dentistry and Endodontics
Presents
ENDO EZ 18
A Value added course on MOLAR ENDODONTICS for Interns



Date: 24th April - 27th April 2018
Time: 8am-4pm
Venue: SATHYABAMA DENTAL COLLEGE AND HOSPITAL

SCHEDULE FOR THE PROGRAM:

DAY 01

Lecture 01 - 08:00am to 9:45 am Dr. K. Sathyanarayanan
Internal Anatomy

Lecture 02 9:45 am to 10:30 am Dr. R. Kurinji Amalavathy
Access opening and coronal flaring

Break - 10:30 am to 10:45 am

DEMO 01 10:45am to 12:30pm Dr. K. Sathyanarayanan
Dr. Hrudi Sundar
Access opening, coronal flaring

Lunch break 12:30 pm to 01:00pm

Hands on - 01:00 pm to 4:00 pm -
Access opening in Maxillary and Mandibular Molars

DAY 02

Lecture 03 08:00am to 10:00 am Dr. Sushmitha Shivanna
Introduction to Ni -Ti ProTaper

Break - 10:00 am to 10:15 am

Lecture 04 10:15am to 12pm Dr. Hrudi Sundar Sahoo
Step-back V's crown-down
Cleaning and shaping in molars
Using Hand ProTapers - Crown Down
technique.

DEMO 02 12pm to 1pm Dr. Murali Sivakumar
Working length Determination - EAL

Lunch break 1:00pm to 2:00 pm

Hands on - 2:00 pm to 4:00 pm

DAY 03 Lecture 05 08:00am to 10:00am Dr. Murali S Root Canal Disinfection and Obturation Break 10:00 am to 10:15 am DEMO 03 10:15 am to 12:15pm Dr.R. Kuriñji Amalavathy Cleaning and shaping using Hand ProTapers Lunch break 12:15pm to 1:15 pm Hands on - 1:30 pm to 4 pm DAY 04 DEMO 04 08:00am to 09:45 am – Dr.S.Murali Moderator - Dr.M. Purushotham Single Cone obturation technique and Core buildup Break 09:45 am to 10:00am Hands on - 10:00am onwards Lunch break 1:30 pm to 2:00 pm Discussion and one to one assessment of work, Valedictory function – 2:00 pm to 4:00 pm	ORGANIZING COMMITTEE Patrons Dr. Mariazeena Johnson, Chancellor Dr. Marie Johnson, President Organizing Chairman Dr. S. Thayumanavan, Dean - Dental College Organizing Secretary Dr. R. Kuriñji Amalavathy, Head of the Department Joint Secretaries Dr. Sathyanarayan.k Reader Dr. sukhmita Shivanna, Reader Dr. Murali Sivakumar, Reader Programme Co-Ordinators Dr. Hrudil Sundar Sahoo, Sr. Lecturer Dr. Purushotham M.Sr. Lecturer Dr. Megavarnan R.Sr. Lecturer Dr. Sonali Sr. Lecturer Dr. Shalini Sr. Lecturer Dr. Hari Krishna Reddy Sr. Lecturer Dr. Pavani Lecturer
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Course contents

Day 1- internal anatomy

Access opening and coronal flaring.

Day 2- Introduction to Ni –Ti ProTaper

Step-back Vs crown-down

Cleaning and shaping in molars

Using Hand ProTapers - Crown Down technique.

Day 3- root canal disinfection and obturation

cleaning and shaping using hand protapers

Day 4- single cone obturation and core build up hands on

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Dr. Hrudi Sundar Sahoo

Access opening, coronal flaring

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Root Canal Disinfection and Obturation

Break 10:00 am to 10:15 am

DEMO 03 10:15 am to 12:15pm Dr. Kurinji Amalavathy

Cleaning and shaping using Hand ProTapers

Lunch break 12:15pm to 1:15 pm

Hands on - 1:30 pm to 4 pm

DAY 04

DEMO 04 08:00am to 09:45 am – Dr. Murali

Moderator - Dr. Purushotham

Single Cone obturation technique and Core buildup

Break 09:45 am to 10:00am

Hands on - 10:00am onwards

Lunch break 1:30 pm to 2:00 pm

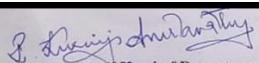
Discussion and one to one assessment of work, Valedictory function – 2:00 pm to 4:00 pm

Course Outcome

This course delivered clinical and practical knowledge on molar tooth root canal treatment using hand protaper instrument with the help of hands on kits provided to each participant. At the end of the course the participants were confident to take up cases and perform on molar teeth with the knowledge gained through the course.

SATHYABAMA DENTAL COLLEGE AND HOSPITAL
DEPARTMENT OF CONSERVATIVE DENTISTRY AND
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CDE PROGRAM-ENDO EZ MOLAR ENDODONTICS MADE EASY
ATTENDANCE SHEET

SL. NO	NAMES	DCI REG NO	SIGNATURE			
			24/04/18	25/04/18	26/04/18	27/04/18
1	MANJULA.S	INTERN				
2	MAGESHWARI.M	INTERN				
3	MAYMA NATHASHA.M	INTERN				
4	JOSPHINE SHAMIRA	INTERN				
5	JAYANTHI.L	INTERN				
6	ISHWARYA.S	INTERN				
7	SUBHIRAMANIYAM	INTERN				
8	HANS ISAAC	INTERN				
9	ARUN KUMMAR.M	INTERN				
10	ANNIE JENIFER.M	INTERN				
11	AMRUTHA V.MATHEW	INTERN				
12	PREETHI.S	INTERN				
13	POOJA.R	INTERN				
14	ALAMELU MANGAI.D	INTERN				
15	JAYAHARINI.A.C	INTERN				
16	NIKETHANA.D	INTERN				
17	NIKITHA.K	INTERN				
18	MONISHA.S	INTERN				

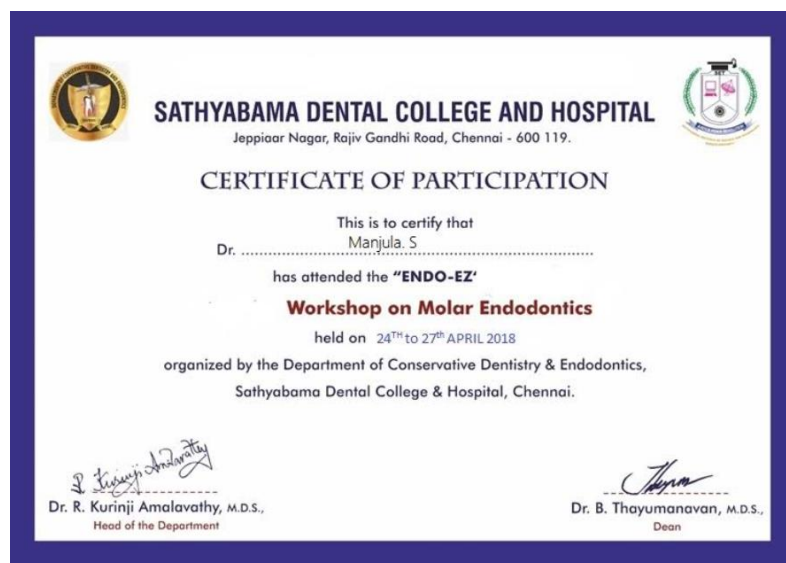

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19	PUTHUMAILAKSHMI.S	INTERN				
20	RASHI SARAVANAN	INTERN				
21	AJINU ALOSI	INTERN				
22	ABINAYA.S	INTERN				
23	PIRIYAH.M	INTERN				
24	PRIYANKA GANDHAM	INTERN				
25	Dr.R.KURINJI AMALVATHY	6866				
26	Dr. C.PRAVDA					
27	Dr.SHAHUL HAMEED					
28	Dr.K. SATHYANARAYANAN	7416				
29	Dr.SUSHMITHA SHIVANNA THEJI	17194A				
30	Dr.MURALI SHIVAKUMAR	11530				
31	Dr.SONALI NABIL SAROOSHI	Son				
32	Dr. PURUSHOTHAM.M	16923				
33	Dr.HRUDI SUNDAR SAHOO	958(A)				
34	Dr. HARI KRISHNA REDDY	17127				
35	Dr.MEGAVARNAN RAVI	18359				
36	Dr.JRIDEVI SHALINI.S	13587				
37	Dr. PAVANI.D	22586				

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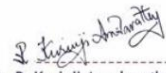
Dr.MAGESHWARI M.....

has attended the "ENDO-EZ"

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Sathyabama Dental College & Hospital, Chennai.


Dr. R. Kurinji Amalavathy, M.D.S.,
Head of the Department


Dr. B. Thayumanavan, M.D.S.,
Dean



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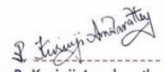
Dr.JOSPHINE SHAMIRA.....

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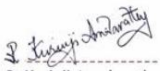
Dr.JAYANTHI L.....

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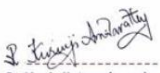
Dr.MAYMA NATHASHA, M.....

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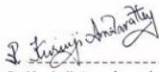
Dr.
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Head of the Department



Dr. B. Thayumanavan, M.D.S.,
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Workshop on Molar Endodontics

held on 24TH to 27TH APRIL 2018

organized by the Department of Conservative Dentistry & Endodontics,
Sathyabama Dental College & Hospital, Chennai.



Dr. R. Kurinji Amalavathy, M.D.S.,
Head of the Department



Dr. B. Thayumanavan, M.D.S.,
Dean



SATHYABAMA DENTAL COLLEGE AND HOSPITAL

Jeppiaar Nagar, Rajiv Gandhi Road, Chennai - 600 119.



CERTIFICATE OF PARTICIPATION

This is to certify that

Dr. PREETHI S.

has attended the "ENDO-EZ"

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This is to certify that

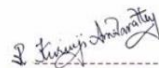
Dr. AMRUTHA V. MATHEW

has attended the "ENDO-EZ"

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This is to certify that

Dr. ALAMELU MANGAL D

has attended the "ENDO-EZ"

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This is to certify that

Dr. JAYAHARINI A.C.

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Value added course on Oral cancer screening and prevention

Department of Oral Medicine and Radiology



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SATHYABAMA DENTAL COLLEGE & HOSPITAL

DEPARTMENT OF ORAL MEDICINE AND RADIOLOGY

SIX DAYS VALUE ADDED COURSE ORAL CANCER SCREENING AND PREVENTION



Date: 5th to 10th February 2018

Venue: Sathyabama University College & Hospital

Value added course on Oral cancer screening and prevention

COURSE CONTENT

ORAL CANCER : BACKGROUND

Oral cancer, one of the top 10 leading causes of death worldwide, has eluded state-of-the-art preventative and diagnostic procedures, despite the widely known risk factors, signs, and symptoms, giving rise to an staggering incidence of 1 - 10 adults per 100000 men and women.

ROLE OF DENTISTS IN ORAL CANCER SCREENING

Given the expertise, knowledge, and experience of dentists in their frequent encounters with head and neck lesions, they have a particular advantage in the early detection, diagnosis, and prevention of oral cancers. Dentists are also expected to play a pivotal role in convincing those with a propensity to cancer to avoid known risk factors. The importance of dentist's role in oral cancer prevention is by enhancing the patient education about risk factor, performing oral examination that leads to early intervention if a suspected lesion is detected.

ORAL CANCER SCREENING

It is well established that virtually all oral cancers are preceded by visible changes in the oral mucosa, therefore a comprehensive oral cancer examination and risk habits assessment are among the measures that lead to the prevention and early detection of oral cancers. Having appropriate knowledge of the cancer's risk factors, and the ability to recognize oral cancer, is a prerequisite for dentists' providing appropriate information and oral examinations.

TOBACCO CESSATION

The most important aspect to smoking cessation is maintaining the motivation to make multiple attempts. Thus, quit attempts should be thought of like practice sessions in learning a new skill—at some point one hopes to “get it right,” but one should not put undue hope on any single given quit attempt, and take solace in knowing the probability of success increases with each try.

Given that 1) stopping smoking is the single most important thing one can do to improve their health; 2) smoking cessation treatment doubles or triples quit rates; and 3) smoking treatment is the “gold standard” of cost-effective treatments,²⁸ smoking cessation is not the time to try to reduce costs by allocating treatments only to those with special difficulties.

Value added course on Oral cancer screening and prevention

COURSE OUTCOME

- To perform oral cancer screening and diagnose the potentially malignant and malignant disorders
- To counsel the patients for tobacco cessation
- To understand and explain the various ways of oral cancer prevention
- To identify and refer the oral cancer patients to the Oncologist

CRRI's Attendance

S.NO	STUDENT NAME	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5	DAY 6
1	Aarthi R	<i>Aarthi R</i>	<i>Aarthi R</i>	<i>Aarthi R</i>	<i>Aarthi R</i>	<i>Aarthi R</i>	<i>Aarthi R</i>
2	Abinaya S	<i>Abi</i>	<i>Abi</i>	<i>Abi</i>	<i>Abi</i>	<i>Abi</i>	<i>Abi</i>
3	Ajnu Alosis E	<i>Ajnu</i>	<i>Ajnu</i>	<i>Ab</i>	<i>Ab</i>	<i>Ab</i>	<i>Ajnu</i>
4	Alamelumangai D	<i>Ab</i>	<i>Ab</i>	<i>Ab</i>	<i>Ab</i>	<i>Ab</i>	<i>Ab</i>
5	Amrutha V Mathew	<i>Amrutha</i>	<i>Amrutha</i>	<i>Ab</i>	<i>Ab</i>	<i>Amrutha</i>	<i>Amrutha</i>
6	Annie Jenifer M	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>	<i>Anu</i>
7	ARTHI M	<i>Arthi M</i>	<i>Arthi M</i>	<i>Arthi M</i>	<i>Arthi M</i>	<i>Arthi M</i>	<i>Arthi M</i>
8	Bhagavath Keerthana R S	<i>Keerthana</i>	<i>Ab</i>	<i>Keerthana</i>	<i>Keerthana</i>	<i>Absent</i>	<i>Keerthana</i>
9	Catherine Jean S	<i>Cathi</i>	<i>Cathi</i>	<i>Cathi</i>	<i>Cathi</i>	<i>Cathi</i>	<i>Cathi</i>
10	Dhanalakshmi J	<i>Dhana</i>	<i>Dhana</i>	<i>Dhana</i>	<i>Dhana</i>	<i>Dhana</i>	<i>Dhana</i>
11	Dharini V	<i>Valboni</i>	<i>Valboni</i>	<i>Absent</i>	<i>Valboni</i>	<i>Valboni</i>	<i>Valboni</i>
12	Divya Bharathi Kalidoss	<i>Divya</i>	<i>Divya</i>	<i>Absent</i>	<i>Divya</i>	<i>Divya</i>	<i>Divya</i>
13	Evansal Ranj J	<i>Evansal</i>	<i>Evansal</i>	<i>Evansal</i>	<i>Evansal</i>	<i>Evansal</i>	<i>Evansal</i>
14	Judith Shalom Jacob	<i>Judith</i>	<i>Ab</i>	<i>Ab</i>	<i>Judith</i>	<i>Judith</i>	<i>Judith</i>

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15	A. Jyosthna	<u>Jyosthna</u>	<u>Jyosthna</u>	<u>Jyosthna</u>	<u>Jyosthna</u>	<u>Jyosthna</u>	<u>Jyosthna</u>
16	Kalpana R	<u>Kalpana</u>	<u>Kalpana</u>	<u>Kalpana</u>	<u>Kalpana</u>	<u>Kalpana</u>	<u>Kalpana</u>
17	Kavimozhi J	<u>Kavimozhi</u>	<u>Kavimozhi</u>	<u>Kavimozhi</u>	<u>Kavimozhi</u>	<u>Kavimozhi</u>	<u>Kavimozhi</u>
18	Koduru Lokeshwari	<u>Koduru</u>	<u>Koduru</u>	<u>Ab</u>	<u>Ab</u>	<u>Koduru</u>	<u>Koduru</u>
19	Kruthika S	<u>Kruthika</u>	<u>Kruthika</u>	<u>Kruthika</u>	<u>Kruthika</u>	<u>Kruthika</u>	<u>Kruthika</u>
20	Monisha S	<u>Monisha</u>	<u>Monisha</u>	<u>Monisha</u>	<u>Monisha</u>	<u>Monisha</u>	<u>Monisha</u>
21	Narkish Banu S	<u>Narkish</u>	<u>Narkish</u>	<u>Narkish</u>	<u>Narkish</u>	<u>Narkish</u>	<u>Narkish</u>
22	Naseema A	<u>Ab</u>	<u>Ab</u>	<u>Naseema</u>	<u>Naseema</u>	<u>Naseema</u>	<u>Naseema</u>
23	Nikethana D	<u>Nikethana</u>	<u>Nikethana</u>	<u>Nikethana</u>	<u>Nikethana</u>	<u>Nikethana</u>	<u>Nikethana</u>
24	Nikitha K	<u>Nikitha</u>	<u>Nikitha</u>	<u>Nikitha</u>	<u>Nikitha</u>	<u>Nikitha</u>	<u>Nikitha</u>
25	Nisha Grade S	<u>Nisha</u>	<u>Nisha</u>	<u>Nisha</u>	<u>Nisha</u>	<u>Nisha</u>	<u>Nisha</u>
26	Priyanka T	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>	<u>Priyanka</u>
27	Puthumai Lakshmi S	<u>Puthumai</u>	<u>Puthumai</u>	<u>Ab</u>	<u>Ab</u>	<u>Ab</u>	<u>Puthumai</u>
28	Rasiha Saravanan	<u>Rasiha</u>	<u>Rasiha</u>	<u>Rasiha</u>	<u>Rasiha</u>	<u>Rasiha</u>	<u>Rasiha</u>
29	Raveena R	<u>Raveena</u>	<u>Raveena</u>	<u>Raveena</u>	<u>Raveena</u>	<u>Ab</u>	<u>Raveena</u>
30	Reshma Rehman G K	<u>Reshma</u>	<u>Reshma</u>	<u>Reshma</u>	<u>Reshma</u>	<u>Reshma</u>	<u>Reshma</u>
31	Sangavi R	<u>Sangavi</u>	<u>Sangavi</u>	<u>Sangavi</u>	<u>Sangavi</u>	<u>Sangavi</u>	<u>Sangavi</u>
32	Supriya T	<u>Supriya</u>	<u>Ab</u>	<u>Ab</u>	<u>Supriya</u>	<u>Supriya</u>	<u>Supriya</u>



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33	Sushmitha P	-Ab-	-Ab-	<u>Sushit</u>	<u>Sushit</u>	<u>Sushit</u>	<u>Sushit</u>
34	Swaathi R	<u>Swath</u>	<u>Swath</u>	<u>Swath</u>	<u>Swath</u>	<u>Swath</u>	<u>Swath</u>
35	Vanthana V	<u>Vanthana</u>	<u>Vanthana</u>	<u>Vanthana</u>	<u>Vanthana</u>	<u>Vanthana</u>	<u>Vanthana</u>
36	Veeramachaneni Srilekha	<u>Srilekha</u>	<u>Srilekha</u>	<u>Srilekha</u>	<u>Srilekha</u>	<u>Srilekha</u>	<u>Srilekha</u>
37	K. Sri Sowmya	<u>Sowmya</u>	<u>Sowmya</u>	<u>Sowmya</u>	<u>Sowmya</u>	<u>Sowmya</u>	<u>Sowmya</u>
38	Yalagala Venkata Sai Krishna	<u>Yalagala</u>	<u>Yalagala</u>	-Ab-	<u>Yalagala</u>	-Ab-	<u>Yalagala</u>
39	Akshara G	<u>Akshara</u>	<u>Akshara</u>	<u>Akshara</u>	<u>Akshara</u>	<u>Akshara</u>	<u>Akshara</u>
40	Alice Ruth J	<u>Alice Ruth</u>	<u>Alice Ruth</u>	<u>Alice Ruth</u>	<u>Alice Ruth</u>	<u>Alice Ruth</u>	<u>Alice Ruth</u>
41	Catherine Jenifer M	<u>Catherine</u>	<u>Catherine</u>	<u>Catherine</u>	<u>Catherine</u>	<u>Catherine</u>	<u>Catherine</u>
42	Deril Joseph K	<u>Deril</u>	<u>Deril</u>	<u>Deril</u>	<u>Deril</u>	<u>Deril</u>	<u>Deril</u>
43	Divya Dharshini M	-Ab-	-Ab-	-Ab-	<u>Divya</u>	<u>Divya</u>	<u>Divya</u>
44	Dona Samm S	<u>Samm</u>	<u>Samm</u>	<u>Samm</u>	<u>Samm</u>	<u>Samm</u>	<u>Samm</u>
45	Farhana Farooq	<u>Farhana</u>	<u>Farhana</u>	<u>Farhana</u>	<u>Farhana</u>	<u>Farhana</u>	<u>Farhana</u>
46	Gomathi M	<u>Gomathi</u>	<u>Gomathi</u>	<u>Gomathi</u>	<u>Gomathi</u>	<u>Gomathi</u>	<u>Gomathi</u>
47	Joyal Rashma C	<u>Joyal</u>	-Ab-	<u>Joyal</u>	<u>Joyal</u>	-Ab-	<u>Joyal</u>
48	Kannan Priyanka	<u>Kannan</u>	<u>Kannan</u>	<u>Kannan</u>	<u>Kannan</u>	<u>Kannan</u>	<u>Kannan</u>
49	K A Swathi	-Ab-	<u>Swathi</u>	<u>Swathi</u>	-Ab-	<u>Swathi</u>	<u>Swathi</u>
50	Priyadharshini P	<u>Priyadhar</u>	<u>Priyadhar</u>	<u>Priyadhar</u>	<u>Priyadhar</u>	<u>Priyadhar</u>	<u>Priyadhar</u>



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51	Sowndaryaa J T	Sow	Sow	Ab	Sow	Sow	Sow
52	Uma Maheswari S	Uma	Ab	Uma	Uma	Ab	Uma
53	Anushika C	Anush	Anush	Anush	Anush	Anush	Anush
54	Anusuya M	Anus	Anus	Anus	Anus	Anus	Anus
55	Archaya M	Archay	Archay	Archay	Archay	Archay	Archay
56	Avanigadda Hima Sai Chandana Devi	Ab	Ab	Hima	Hima	Ab	Hima
57	Azhagulakshmi S	Azhagul	Azhagul	Azhagul	Azhagul	Azhagul	Azhagul
58	Ayshathul Bazeera J	Ayshath	Ayshath	Ayshath	Ayshath	Ayshath	Ayshath
59	Gino Rashima N	Gino	Gino	Gino	Gino	Gino	Gino
60	Ishwarya S	Ishwarya	Ab	Ishwarya	Ishwarya	Ishwarya	Ishwarya
61	Iswarya M	Iswarya	Iswarya	Iswarya	Iswarya	Iswarya	Iswarya
62	Jayanthi L	Jayanthi	Jayanthi	Jayanthi	Jayanthi	Jayanthi	Jayanthi
63	Jessi Josna J	Jessi	Jessi	Jessi	Jessi	Jessi	Jessi
64	Josephine Shamira	Joseph	Ab	Ab	Joseph	Joseph	Joseph
65	Liana J X Beatrice	Liana	Liana	Liana	Liana	Liana	Liana
66	Lubna Firdose A	Lubna	Lubna	Lubna	Lubna	Lubna	Lubna
67	Madhumitha S	Madhumitha	Madhumitha	Madhumitha	Ab	Ab	Madhumitha
68	Mageshwari M	Mageshwari	Mageshwari	Mageshwari	Mageshwari	Mageshwari	Mageshwari

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69	Manjula G	Manjula	Manjula	Manjula	Manjula	Manjula	Manjula
70	Mayma Nathasha M	Mayma	Mayma	Mayma	Mayma	Mayma	Mayma
71	Pamidipati Reethika	Reethika	Ab	Ab	Ab	Reethika	Reethika
72	Pooja R	Ab	Ab	Pooja	Pooja	Pooja	Pooja
73	Preethi S	Preethi	Preethi	Preethi	Preethi	Preethi	Preethi
74	Priyah M	Priyah	Priyah	Priyah	Priyah	Priyah	Priyah
75	Priyanka G	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
76	Priyanka Gandham	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
77	Shandhini Devi J M		Ab	Ab	Ab		
78	Sindhuja E	Sindhuja	Sindhuja	Sindhuja	Sindhuja	Sindhuja	Sindhuja
79	Soundarya K	Soundarya	Soundarya	Soundarya	Soundarya	Soundarya	Soundarya
80	Sreevidhya G						
81	Sreevidhya G	Ab	Ab	Ab	Ab	Ab	Ab
82	Srinidhi S	Srinidhi	Srinidhi	Srinidhi	Srinidhi	Srinidhi	Srinidhi
83	Arun Kummar M	Arun	Ab	Arun	Arun	Arun	Arun
84	Hans Isaac Peddiny	Isaac	Isaac	Isaac	Isaac	Isaac	Isaac
85	Subhiramaniyan T	Subhiramaniyan	Subhiramaniyan	Subhiramaniyan	Ab	Subhiramaniyan	Subhiramaniyan
86	Suganya	Suganya	Suganya	Suganya	Suganya	Ab	Suganya

87	Princy	Princy	Princy	Princy	Princy	Princy	Princy
88	Madhura	Madhura	Madhura	Madhura	Madhura	Madhura	Madhura
89	Pavithra R	Pavithra	Pavithra	Pavithra	Pavithra	Ab	Ab

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Awarded to

PAVITRA R

On Successful completion of 6 days value added course on

'ORAL CANCER SCREENING AND PREVENTION'

on 5th – 10th February 2018.

Prof. Dr. C.Pravda
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SDCH, Chennai

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JAYANTHI L

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ALICE RUTH, J

On Successful completion of 6 days value added course on

‘ORAL CANCER SCREENING AND PREVENTION’

on 5th – 10th February 2018.


Prof. Dr. C. Pravda
HOD, Dept OMDR,
SDCH, Chennai


Dr. B. Thayumanavan
Dean
SDCH, Chennai



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Department of Electrical and Electronics Engineering

Value Added Courses (2017-2018)

1. Internet of Things and its Applications in Electrical Power Industry
2. Solar Photovoltaic Technology
3. Sensor Applications using Arduino and Raspberry Pi
4. Advanced Control in Smart grid
5. Advancements in Electrical vehicles

Course 1: 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	Internet of Things and its applications in Electrical Power Industry	• Triggering IoT
8.7.17		Mr.M.Yatish Country manager,Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India University Program		• Applications on IoT - Home and Building automation - Industries - Energy - Medical and Health Care - Transportation - Environment
15.7.17		Mr.Prashanth Ram,Technical head, Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India) University Program.		• Recent industrial trends in IoT
22.7.17		Mr.Prashanth Ram, Technical head,Digital Shark Technology Pvt Ltd – Authorised partner for Texas instruments (India) University Program.		• Micro controller applications using MSP430
29.7.17		Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology,		• Interface GPIO ports in C using MSP430 (blinking LEDs)

	Chennai		
5.8.17	Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology, Chennai		• LED control using a switch
12.8.17	Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology, Chennai		• PWM based speed control of motor controlled by potentiometer connected to GPIO
19.8.17	Mr.Krishnamoorthy, Assistant Professor, EIE, Sathyabama Institute of Science and Technology, Chennai		• SCADA
26.8.17	Mr.Krishnamoorthy, Assistant Professor, EIE, Sathyabama Institute of Science and Technology, Chennai		• Smart Metering
2.9.17	Mr. D. Jayaprakash, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		• Building Automation
9.9.17	Mr. D. Jayaprakash, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		• Connected Public Lighting
16.9.17	Mrs.Bharathi, Assistant Professor, EEE, Sathyabama Institute of Science and		• Smart Grid
			• Hands on Lab – connect and communicate to cloud.

		Technology, Chennai		
23.9.17		Mrs.Bharathi, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		Hands on Lab – connect and communicate to cloud.
30.9.17		Mrs.Kavitha, Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai		Discussion

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

CO1: Demonstrate the applications of IoT.

CO2: Identify the applications of Microcontroller using MSP430.

CO3: Analyze the software applications to control industrial process.

CO4: Analyze the ways to reduce the electricity bill by smart metering.

CO5: Demonstrate the variety of operations and energy measures using Smart Grid.

CO6: Demonstrate the ways to connect and communicate with cloud.

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

[illegible]

15.	14SEE654	KODAKANDLA AKHIL	2014/IV Year	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16.	14SEE153	KONDREDDY SAI VAMSI KRISHNA REDDY	2014/IV Year	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17.	14SEE159	KOTA SANJEEV VISHAL	2014/IV Year	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18.	14SEE123	KOUSHIK SARKAR	2014/IV Year	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19.	14SEE630	KOVVURU RAVI TEJA	2014/IV Year	P	P	P	P	P	A	P	P	P	P	P	P	P	P
20.	14SEE313	KRANTHI. K	2014/IV Year	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21.	14SEE697	KUKKADAPU MOUNIKA DEVI	2014/IV Year	P	A	P	P	P	P	P	P	P	P	P	P	P	P
22.	14SEE686	KUNDA SANATH KUMAR REDDY	2014/IV Year	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23.	14SEE622	KUNDETI SRI VENKATANAG A VAMSI	2014/IV Year	P	P	P	A	P	P	P	P	P	P	P	P	P	P
24.	14SEE315	LAKSHMI PREETHI. P. S	2014/IV Year	P	P	P	P	P	P	P	P	P	P	A	P	P	P
25.	14SEE656	LINGUTLA SIVA KRISHNA	2014/IV Year	P	P	P	A	P	P	P	P	P	P	P	P	P	P



Signature of the HOD

Sample Certificates: Internet of Things and its applications in Electrical Power Industry



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.

S. S. S.
Dr V Sivachidambaranathan
Professor & Head
Department of EEE



Certificate

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JAYASHYAM. B

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.

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Course 2: 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		Dr.Annie Elizabeth Jebaseeli, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Modeling Photovoltaic Power
15.11.17		Dr.Susithra, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Optimization of photovoltaic power systems
16.11.17		Dr.Susithra, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Photovoltaic power generation system with photovoltaic cells as bypass diodes
17.11.17		Dr.Vaniitha, Professor,EEE Department,Sathyabama Institute of Science and Technology, Chennai.		Added values of photovoltaic power systems

Course Outcomes for the Course: Solar Photovoltaic Technology

CO1: Design a small and standalone photovoltaic power system.

CO2: Demonstrate the modelling of Photovoltaic power.

CO3: Analyze the optimization of Photovoltaic power systems.

CO4: Examine the Photovoltaic power generation systems with photovoltaic cells as bypass diodes.

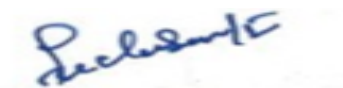
CO5: Analyze the efficiency of integrating the solar into buildings.

CO6: Demonstrate the problems arising in Photovoltaic power systems from mismatch in radiation and variation of temperature.

Course Participant: Solar Photovoltaic Technology

S.No	Roll No.	Name of the Student	Batch/Year	13.11.17	14.11.17	15.11.17	16.11.17	17.11.17
1.	14SEE107	ARUN PRAKASH. M	2014 /IV Year	p	p	p	p	p
2.	14SEE603	ASHISH THAKUR	2014 /IV Year	p	p	p	p	p
3.	14SEE164	ASWIN KARUPPAN CHETTY.PL	2014 /IV Year	p	p	p	p	p
4.	14SEE632	BALUSU PRUDHVI	2014 /IV Year	p	p	p	p	p
5.	14SEE702	BATTINAGANGADHAR	2014 /IV Year	p	p	p	p	p
6.	14SEE552	BAVITHRA K	2014 /IV Year	p	p	p	p	p
7.	14SEE156	BOGGAVARAPU VAMSI KRISHNA	2014 /IV Year	p	p	p	p	p
8.	14SEE639	BOLLAVARAM SUMANTH REDDY	2014 /IV Year	p	P	p	p	p
9.	14SEE670	CATHARIN MATHUMITHA.C	2014 /IV Year	p	p	p	p	p
10.	14SEE108	CHAPPIDI HARISH	2014 /IV Year	p	p	p	p	p
11.	15SEE520	SURAGANI THIRUPATHIRAO	2015 / III Year	p	p	p	p	p
12.	15SEE806	SURUTHI.R	2015 / III Year	p	p	p	p	p
13.	15SEE150	SUSHMITA MAHATO	2015 / III Year	p	p	A	p	p
14.	15SEE969	TAMIL SELVI.K	2015 / III Year	p	p	p	p	p
15.	15SEE521	TONY KORUTHU VATTACHAKAL	2015 / III Year	p	p	p	p	p
16.	15SEE970	TUMMALADILEEP KUMAR	2015 / III Year	p	p	p	p	p
17.	15SEE971	UMA MAHESWARI.S	2015 / III Year	A	p	p	p	p
18.	15SEE805	VIJAYALAKSHMI.R	2015 / III Year	p	p	p	p	p
19.	15SEE151	YAKUB SAHEB GARI GHOUSE HUSSAIN BASHA	2015 / III Year	p	p	p	p	p
20.	16SLEE704	ANDRILA DEY	2015 / III Year	p	p	p	p	p
21.	16SLEE701	BATTU GOPICHANDU	2015 / III Year	p	p	p	p	A
22.	16SLEE702	KASULA PRANAY KUMAR	2015 / III Year	p	p	p	p	p
23.	16SLEE901	PALA LAKSHMI VENKATA KASI VISWANADH	2015 / III Year	p	p	p	p	p
24.	16SLEE705	PUTHINEEDITARUN NAGA VENKATA SAI VINAY	2015 / III Year	p	p	p	p	p
25.	16SLEE703	SIRIGIREDDY SIVA TEJA REDDY	2015 / III Year	p	p	p	p	p
26.	16SLEE706	YARRAGUDI GANGADHARA REDDY	2015 / III Year	A	p	p	p	p
27.	16SLEE903	R HARISH RATHINAM	2016 / II Year	p	p	p	p	p
28.	16SEE801	DEBANJALEE ROY	2016 / II Year	p	p	p	p	p
29.	16SEE958	DHANALAKSHMI. S.	2016 / II Year	p	p	p	p	p
30.	16SEE009	GOPAL JEE KESHRI	2016 / II Year	p	p	p	p	p
31.	16SEE010	GOPANU RUSHENDRA	2016 / II Year	p	p	p	p	p
32.	16SEE011	GURRALA TIRUPATHI	2016 / II Year	p	p	p	p	p

		NARASIMHA REDDY						
33.	16SEE012	GURRAM VINAY	2016 / II Year	p	p	p	p	p
34.	16SEE961	HEMA PRIYA R.	2016 / II Year	p	p	p	p	p
35.	16SEE913	IJAZ AHMED. T.	2016 / II Year	p	p	p	p	p



Signature of the HOD

Sample Certificates: Solar Photovoltaic Technology



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Professor & Head
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Certificate

This is to certify that

BOLLAVARAM SUMANTH REDDY

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



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BOGGAVARAPU VAMSI KRISHNA

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 3: 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. Sivachidambaramathan, 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		Dr.S.Ramesh, Dept. of Electronics and Communication Engineering, Jeppiaar Engineering College, Chennai.		Arduino based home automation using Internet of things (IoT)
10.01.18		Mr.Sugadev, Assistant Professor,ECE, Sathaybama Institute of Science and Technology, Chennai.		IoT based Temperature and Humidity Controlling using Arduino and Raspberry Pi
11.01.18		Mr.Immanuel Rajkumar, Assistant Professor, E&C, Sathyabama Institute of Science and Technology, Chennai.		Home Automation using Voice Via Bluetooth Through Raspberry PI 3
12.01.18		Mr.Krishnamoorthy, Assistant Professor, EIE, Sathyabama Institute of Science and Technology, Chennai.		Miniature Autonomous Vehicle Development using Raspberry Pi

Course Outcomes for the Course: Applications using Arduino and Raspberry Pi

CO1: Demonstrate various Systems Based on Raspberry-Pi Technology.

CO2: Develop the Arduino based home automation using Internet of things (IoT).

CO3: Analyze the Temperature and Humidity Controlling using Arduino and Raspberry Pi.

CO4: Construct the voice automated Home appliance using Raspberry Pi 3.

CO5: Demonstrate the open source Raspberry Pi home software options.

CO6: Develop miniature autonomous vehicle using Raspberry Pi.

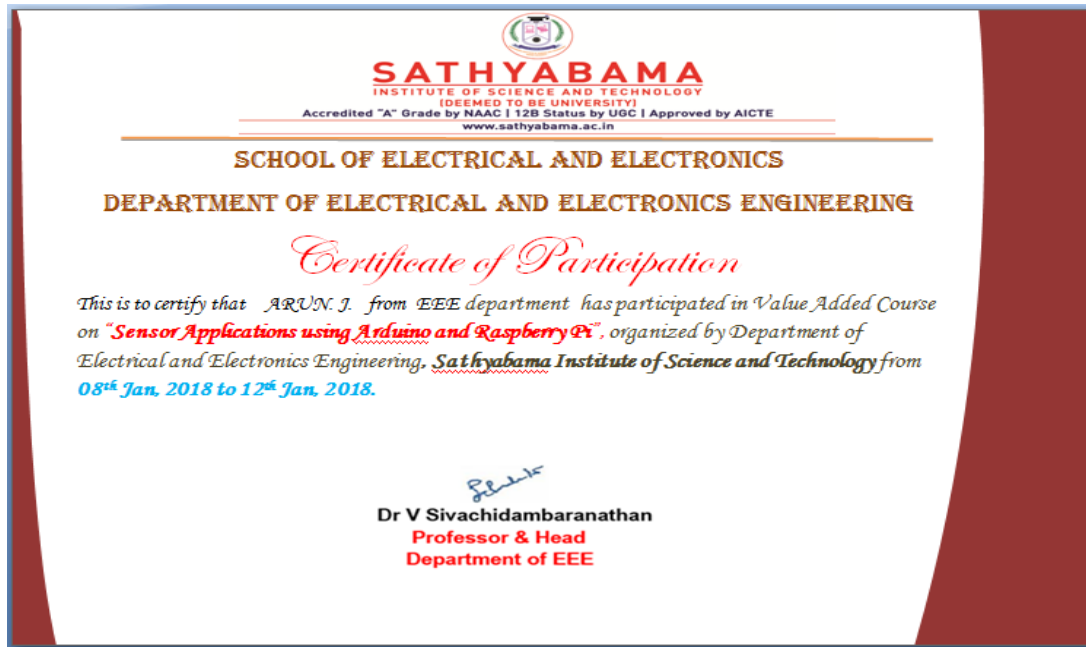
Participant List: Sensor Applications using Arduino and Raspberry Pi

S.No	Roll No	Name of the Student	Batch/Year	8.1.18	9.1.12	10.1.18	11.1.18	12.1.18
1.	16SEE519	SURENDAR. S.	2016 / II Year	P	P	P	P	P
2.	16SEE024	TEKIRAJESH	2016 / II Year	P	P	P	P	P
3.	16SEE976	THIYANESHWARI. M.	2016 / II Year	P	P	P	P	P
4.	16SEE977	VAHINI. R.	2016 / II Year	P	P	P	P	P
5.	16SEE901	VENISHETTYAKSHAY	2016 / II Year	P	P	A	P	P
6.	16SEE026	VIGNESH. S.	2016 / II Year	P	P	P	P	P
7.	16SEE978	VIJAYAKUMAR. S.	2016 / II Year	P	P	P	P	P
8.	16SEE979	VINITHA B.	2016 / II Year	P	P	P	P	P
9.	16SEE805	VINITHA I.	2016 / II Year	P	P	P	P	P
10.	16SEE806	VUDAVAGANDLA DEEPA VANI	2016 / II Year	P	P	P	P	P
11.	16SEE907	YADHANAPARTHI SAIKRISHNA	2016 / II Year	P	P	P	P	P
12.	16SEE980	YAMUNA. M.	2016 / II Year	P	P	P	P	P
13.	16SEE981	YAZHINI. M.	2016 / II Year	P	P	P	P	P
14.	16SEE520	YUVANESAVAN. M.	2016 / II Year	P	P	P	P	P
15.	16SEE521	YUVARAJ. V.	2016 / II Year	P	P	P	P	P
16.	16SEE527	AFSAL AHAMED. A	2016 / II Year	P	P	P	A	P
17.	16SEE526	VINEET CHADALAVADA	2016 / II Year	P	P	P	P	P
18.	17SLEE701	GADDE NAGA VAMSI	2016 / II Year	P	P	P	P	P
19.	17SLEE702	ILLAM PARUTHI C	2016 / II Year	P	A	P	P	P
20.	16SEC916	BIREDDY NAVEEN KUMAR REDDY	2016 / II Year	P	P	P	P	P
21.	16SEC087	CHOLLETI KRANTHI KUMAR	2016 / II Year	P	P	P	P	P
22.	16SEC807	DEEPIKA R	2016 / II Year	P	P	P	P	P
23.	16SEC094	DEVARAKOTA JAYASRI GOVIND ANIL	2016 / II Year	P	P	P	P	P
24.	16SEC616	DHANUSH KUMAR. R	2016 / II Year	P	P	P	P	P
25.	3618025	PATIL NIKHIL PRAKASH	2016 / II Year	P	P	P	P	P
26.	3618026	PRATHEEK	2016 / II Year	P	P	P	P	P
27.	3618027	PRATHI SUDHEER VENKATA SAI RAM	2016 / II Year	P	P	P	P	A
28.	3618028	PURUSHOTTAM ROY	2016 / II Year	P	P	P	P	P
29.	3618029	RAJ RAVI	2016 / II Year	P	P	P	P	P
30.	3618025	PATIL NIKHIL PRAKASH	2016 / II Year	P	A	P	P	P



Signature of the HOD

Sample Certificates: Applications using Arduino and Raspberry Pi





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Certificate of Participation

This is to certify that **SURENDAR. S** from EEE department has participated in Value Added Course on "**Sensor Applications using Arduino and Raspberry Pi**", organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

Dr V Sivachidambaranathan
Professor & Head
Department of EEE



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This is to certify that **THIYANESHWARI. M** from EEE department has participated in Value Added Course on "**Sensor Applications using Arduino and Raspberry Pi**", organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

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This is to certify that **VAHINI. R** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

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This is to certify that **VENISHETTY AKSHAY** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

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This is to certify that **VIGNESH. S.** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

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Certificate of Participation

This is to certify that **VIJAYAKUMAR. S** from EEE department has participated in Value Added Course on **"Sensor Applications using Arduino and Raspberry Pi"**, organized by Department of Electrical and Electronics Engineering, Sathyabama Institute of Science and Technology from **08th Jan, 2018 to 12th Jan, 2018.**

Dr V Sivachidambaranathan
Professor & Head
Department of EEE

Course 4: 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		Mr.Gopalan,RIPE consultancy services,chennai		Introduction to Smartgrid Ecosystem
21.02.18		Mrs.Geetha Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai.		HVDC Macrogrid Design
22.02.18		Mrs.M.Pushpavalli Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai.		The Power Electronics-Enabled Smart Grid
23.02.18		Mrs.Abirami Assistant Professor, EEE, Sathyabama Institute of Science and Technology, Chennai.		Electric Grid Resilience

Course Outcomes for the Course: Advanced Control in Smart grid

CO1: Demonstrate the feature of Distributed Energy Resources.

CO2: Analyze the interactive energy management with smart grid.

CO3: Design a high performance network with HVDC macro grid.

CO4: Identify the role of power electronics in smart grid implementation and development.

CO5: Develop a power electronics voltage regulator using TRIAC for distribution feeders.

CO6: Demonstrate the concepts of Electric Grid Resilience.

Participants: Advanced Control in Smart grid

S.No	Roll No.	Name of the Student	Batch/Year	19.2.18	20.2.18	21.2.18	22.2.18	23.2.18
1.	14SEE311	DIVYA DEEPT HICHALUMURI	2014 / IV Year	P	P	P	P	P
2.	14SEE501	ELAKKIYA SELVAN. E	2014 / IV Year	P	P	P	P	P
3.	14SEE628	GADDE ISAAC ANKITH	2014 / IV Year	P	P	P	P	P
4.	14SEE651	GANJI VENKATA PAVAN	2014 / IV Year	P	P	A	P	P
5.	14SEE646	GARAPATI BHAVYA LAHARI	2014 / IV Year	P	P	P	P	P
6.	14SEE704	GARIKIPATI BHARGAV GOPALA KRISHNA	2014 / IV Year	P	P	P	P	P
7.	14SEE302	GLADY CORDELIA J	2014 / IV Year	A	P	P	P	P
8.	14SEE157	GOKULRAAJ. V	2014 / IV Year	P	P	P	P	P
9.	14SEE111	GOKUL SAI. G. L	2014 / IV Year	P	P	P	P	P
10.	14SEE640	GUDURU INDU	2014 / IV Year	P	P	P	P	P
11.	15SEE149	PANCHALA SAKUMAR	2015 / III Year	P	A	P	P	P
12.	15SEE136	PASALA BOBBY SUDHEER	2015 / III Year	P	P	P	P	P
13.	15SEE137	PASTAM VYSHNAVI	2015 / III Year	P	P	P	P	P
14.	15SEE103	PATHAN AMZADKHAN	2015 / III Year	P	P	P	A	P
15.	15SEE962	PAVITHRAS	2015 / III Year	P	P	P	P	P
16.	15SEE142	PEDDAPALLE SAINATH REDDY	2015 / III Year	P	P	P	P	P
17.	15SEE138	POKURISAI SINDHUJA	2015 / III Year	P	P	A	P	P
18.	15SEE139	POLISETTYMEHAR SATYA GUNESH	2015 / III Year	P	P	P	P	P
19.	15SEE140	POTHURISAI SUMANTH	2015 / III Year	P	P	P	P	P
20.	15SEE523	PRABU.M	2015 / III Year	P	P	P	P	P
21.	16SEE958	DHANALAKSHMI. S.	2016 /II Year	P	A	P	P	P
22.	16SEE959	DHANUSH. R.	2016 /II year	P	P	P	P	P

Signature of the HOD

Sample Certificates: Advanced Control in Smart grid


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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 .Sivachidambaramanathan,
Professor & Head
Department of EEE
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THIS IS TO CERTIFY THAT

DIVYA DEEPTHI
CHALUMURI

HAS SUCCESSFULLY PARTICIPATED IN VALUE ADDED COURSE ON
"ADVANCED CONTROL IN SMART GRID" ORGANIZED BY DEPARTMENT OF ELECTRICAL
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THIS IS TO CERTIFY THAT

ELAKKIYA SELVAN. E

HAS SUCCESSFULLY PARTICIPATED IN VALUE ADDED COURSE ON
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AND ELECTRONICS ENGINEERING, SATHYABAMA INSTITUTE OF SCIENCE AND
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THIS IS TO CERTIFY THAT

GADDE ISAAC ANKITH

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
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THIS IS TO CERTIFY THAT

GLADY CORDELIA. J

HAS SUCCESSFULLY PARTICIPATED IN VALUE ADDED COURSE ON
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AND ELECTRONICS ENGINEERING, SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY FROM 19.02.18-23.02.18

Dr .V .Sivachidambaramanathan,
Professor & Head
Department of EEE
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Course 5: 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.SenthilNayagam 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		Mr.SenthilNayagam Assistant Professor, EEE Department, Sathyabama Institute of Science and Technology, Chennai.		Charging Technologies For Commercial Electric Vehicles
14.03.18		Mr.Padmanaban, Assistant Professor, EEE Department, Sathyabama Institute of Science and Technology, Chennai.		Improving Electric Vehicle Performance Using Photovoltaic Cells
15.03.18		Mr.Padmanaban, Assistant Professor, EEE Department, Sathyabama Institute of Science and Technology, Chennai.		Challenges and Opportunities for Electric Vehicle Adoption
17.03.18		Mrs.Bharathi, Assistant Professor, EEE Department, Sathyabama Institute of Science and Technology, Chennai.		Ride Blending Control for Electric Vehicles

Course Outcomes for the Course: Advancements in Electrical vehicles

CO1: Design a hybrid electric car using solar cells.

CO2: Identify the charging technologies for commercial electric vehicles.

CO3: Analyze the performance of electric vehicle using photovoltaic cells.

CO4: Demonstrate the challenges and opportunities for electric vehicle adoption.

CO5: Identify the challenges in installation of charging station for electric vehicles.

CO6: Analyze the enhancement of ride comfort of EV vehicle using Ride blend control.

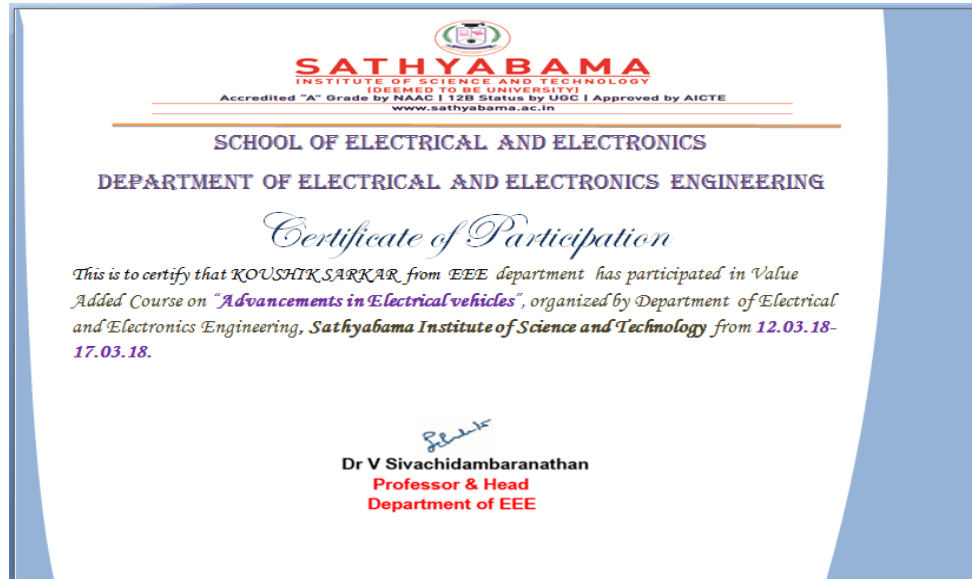
Participants: Advancements in Electrical vehicles

S.No	Roll No.	Name of the Student	Batch/Year	12.3.18	13.3.18	14.3.18	15.3.18	16.3.18
1.	14SEE684	KASSETTYNARASIMHA	2014 / IV Year	P	P	P	P	P
2.	14SEE120	KATTULASAIRITEJ	2014 / IV Year	P	P	P	P	P
3.	14SEE121	KILARU SAITEJA	2014 / IV Year	P	P	P	P	P
4.	14SEE122	KISHORE KUMAR. S	2014 / IV Year	P	P	P	P	P
5.	14SEE654	KODAKANDLA AKHIL	2014 / IV Year	P	P	P	P	P
6.	14SEE153	KONDREDDYSAI VAMSI KRISHNA REDDY	2014 / IV Year	A	P	P	P	P
7.	14SEE159	KOTASANJEEV VISHAL	2014 / IV Year	P	P	A	P	P
8.	14SEE123	KOUSHIK SARKAR	2014 / IV Year	P	P	P	P	P
9.	14SEE630	KOWURU RAM TEJA	2014 / IV Year	P	P	P	P	P
10.	14SEE313	KRANTHI.K	2014 / IV Year	P	P	P	P	P
11.	14SEE697	KUKKADAPU MOUNIKA DEVI	2014 / IV Year	P	A	P	P	P
12.	14SEE686	KUNDA SANATH KUMAR REDDY	2014 / IV Year	P	P	P	P	P
13.	14SEE622	KUNDETI SRI VENKATANAGA VAMSI	2014 / IV Year	P	P	P	P	P
14.	14SEE315	LAKSHMI PREETHI. P. S	2014 / IV Year	P	P	P	P	P
15.	14SEE656	LINGUTLASIVA KRISHNA	2014 / IV Year	P	P	P	P	P
16.	14SEE125	LOUISA CHAKRAMAKAL	2014 / IV Year	P	P	P	P	P
17.	14SEE680	MALIGIREDDY SAIDEEP REDDY	2014 / IV Year	P	P	P	P	P
18.	14SEE679	MALLU JAYA SREEKANTH REDDY	2014 / IV Year	P	P	P	P	A
19.	14SEE705	MANIMEGALAI. S	2014 / IV Year	P	P	P	P	P
20.	14SEE668	MANOJ. G	2014 / IV Year	P	P	P	P	P
21.	15SEE114	GANGULAHEMANTH REDDY	2015 / III Year	P	P	A	P	P
22.	15SEE972	GANJI VEERA SIVA LEELA	2015 / III Year	P	P	P	P	P
23.	15SEE959	GOMATHI.R	2015 / III Year	P	P	P	P	P
24.	15SEE112	GUDLAVALLETI VENKATA RAGHADEEPIKA	2015 / III Year	P	P	P	P	P
25.	15SEE116	GUMMALLAMANOJ KUMAR	2015 / III Year	P	P	P	P	P
26.	15SEE527	GUNARAJ.C	2015 / III Year	P	P	P	P	P
27.	15SEE117	GUNTHALOHITH KUMAR	2015 / III Year	P	A	P	P	P
28.	15SEE118	HARISHANKAR.K	2015 / III Year	P	P	P	P	P
29.	15SEE801	JACKULIN STEPHY.V	2015 / III Year	P	P	P	P	P
30.	16SEE961	HEMA PRIYA. R.	2016 / II Year	P	P	P	P	P
31.	16SEE913	IJAZ AHMED. T.	2016 / II Year	P	P	P	P	P



Signature of the HOD

Sample Certificates: Advancements in Electrical vehicles





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ELECTRICAL AND ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that KATTULA SAISRITEJ 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 Sivachidambaranathan
Professor & Head
Department of EEE



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This is to certify that KILARU SAITEJA 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 Sivachidambaranathan
Professor & Head
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