



SATHYABAMA UNIVERSITY
(Established under section 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai (OMR), Chennai – 600 119, Tamil Nadu, India.
Phone: 044-24503150/3151/3152/3154/3155 Fax: 044-2450 2344
www.sathyabamauniversity.ac.in



Department of Electrical and Electronics Engineering

Events (2016-2017)

- National conference on “computational Intelligence in Electrical and Electronics Engineering, NCIEEE 17”.
- workshop on “Emerging Technologies enabling Internet of things” In Association Texas Instrument (Digital Shark)
- National Conference on Make in India, In association with Govt. of india and Sathyabama Institute of Science and Technology
- Nuclear Reactors
- Recent trends in industrial automation
- Solar energy and opportunities
- Role of PLC & VFD in Industrial Automation
- Industrial Automation using PLC & SCADA

NATIONAL CONFERENCE-COMPUTATIONAL INTELLIGENCE IN ELECTRICAL AND ELECTRONICS ENGINEERING, NCIEEE 17



INVITATION

Sathyabama University

(Established Under Section 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119.

Cordially invites you for the Inauguration of

NATIONAL CONFERENCE ON

"COMPUTATIONAL INTELLIGENCE IN ELECTRICAL & ELECTRONICS ENGINEERING"



Organised by Department of Electrical and Electronics Engineering, School of Electrical and Electronics Engineering
AT UNIVERSITY AUDITORIUM (ADMIN BLOCK)
On
17th APRIL 2017 AT 9.00 a.m.

With the divine blessings of



Colonel Dr. JEPPIAAR, M.A., B.L., Ph.D.,
Founder Chancellor, Sathyabama University

CHIEF PATRON



Tmt. Remibai Jeppiaar
Chancellor, Sathyabama University

PATRONS



Dr. Marie Johnson
Vice President, Sathyabama University



Dr. Mariazeena Johnson
Pro Chancellor, Sathyabama University

will inaugurate the Conference

Keynote Address: **Er. Somasundaram Jambunathan**
Director, Digital Testing, Capegemini, Chennai

Under the auspicious presence and guidance of

Dr. K.V. Narayanasu, Vice Chancellor

Dr. T. Sasipraba, Pro Vice Chancellor

Dr. S. S. Ram, Registrar

Prof. S. Igni Sabasti Prabu, Controller of Examination

Dr. B. Sheela Rani, Director (Research)

WORKSHOP-EMERGING TECHNOLOGIES ENABLING INTERNET OF THINGS



Two days Workshop
On
Emerging Technologies enabling Internet of things

Day 1

Detailed agenda

10.00 AM to 1.00 PM TI Internet of Things Overview

- Application Areas for the Internet of Things
- Featured IoT Products from TI
- Cloud Solutions supporting TI solutions
- Challenges in the Internet of Things

Interfacing hardware with Launchpad.

Hands on Lab – Lab2: Read Analog value from Sensor and display it on serial monitor
Lab3: Controlling on board LED using your smartphone

01.00 PM to 02.00 PM Lunch

02.00 to 05.00 PM Demo & Hands-On Session using Energia.

Hands on Lab –

- Lab01: Getting Started – (Sinking LED)
- Lab02: Playing Music – (Buzzer)
- Lab03: Control the Electric – (Relays)
- Lab04: Display – (4 Digital Display)

Digital Shark Technology #51, 8th Cross Mahalakshmi Layout Bangalore-560086
Phone : 9916633458/7337831523(<http://digitalspark.in>)

Day 2

Detailed agenda

10.00 AM to 1.00 AM Hands on using WIFI boards through Energia.

- Lab05: Potentiometer – (Rotary Angle Sensor)
- Lab06: Sensing the Light – (Light Sensor)
- Lab07: Hearing – (Sound Sensor)
- Lab08: Is Anybody There – (PIR Sensor)
- Lab09: Taking care of your plants – (Moisture Sensor)
- Lab10: Sensing the Distance – (Ultrasonic Ranger Sensor)
- Lab11: Feeling the Environment – (Temperature Humidity Sensor)

01.00 PM to 02.00 PM Lunch

02.00 PM to 05.00 PM Hands-On using WIFI boards through Energia.

Discussing PubNub and Freeboard Creating account on PubNub and Freeboard .

Hands on Lab –

Lab 01 Stream Sensor Readings Data with TI LaunchPad
Lab 02 Using PubNub to stream sensor readings from 4 different sensors
& visualizing those readings on Freeboard.

Digital Shark Technology #51, 8th Cross Mahalakshmi Layout Bangalore-560086
Phone : 9916633458/7337831523(<http://digitalspark.in>)



NATIONAL CONFERENCE-MAKE IN INDIA



GUEST LECTURE-NUCLEAR REACTORS



P 6.3 / 1
REVISION NO: 01

SATHYABAMA UNIVERSITY
FORM FOR APPROVAL OF GUEST LECTURES

1. Name of the Delegate	: Mr.Rajavelu
2. Area of specialization of the Delegate	:Nuclear Energy
3. Name of the Organization	:Bhavini, Kalpakkam.
4. Subjects / Topics	: Nuclear Reactors
5. Branch of the students with semester	:EEE I, II & III Year
6. Date	:2/9/16
7. Time	:10.15 am To 12.15 pm
8. Venue	:Power Electronics Lab
9. Name & Department of the Convener	:S.Nirmalraj/EEE

S.N.R.
31/8/16
HOD /EEE



GUEST LECTURE-RECENT TRENDS IN INDUSTRIAL AUTOMATION

		P.6.3 / 1 REVISION NO: 01
SATHYABAMA UNIVERSITY FORM FOR APPROVAL OF GUEST LECTURES		
1. Name of the Delegate	:	Mr.Gopalan
2. Area of specialization of the Delegate	:	Industrial Automation
3. Name of the Organization	:	RIPE consultancy services,chennai
4. Subjects / Topics	:	Recent trends in industrial automation
5. Branch of the students with semester	:	EEE, III Year, 2014-2018 Batch
6. Date	:	3/4/2017
7. Time	:	10.15 am To 12.15 pm
8. Venue	:	Smart classroom
9. Name & Department of the Convener	:	S.Nirmalraj/EEE

S.Nirmalraj
3-4/17
HOD /EEE



GUEST LECTURE-SOLAR ENERGY AND OPPORTUNITIES



P 6.3 / 1
REVISION NO: 01

SATHYABAMA UNIVERSITY
FORM FOR APPROVAL OF GUEST LECTURES

1. Name of the Delegate	: Mr.Sayan Datta
2. Area of specialization of the Delegate	:Renewable Energy
3. Name of the Organization	:
4. Subjects / Topics	: Solar energy and opportunities
5. Branch of the students with semester	:EEE, I year, 2016-2020 Batch
6. Date	:7/4/17
7. Time	:10.15 am To 12.15 pm
8. Venue	: Smart classroom
9. Name & Department of the Convener	:S.Nirmalraj/EEE

S.N.
HOD /EEE



GUEST LECTURE-ROLE OF PLC & VFD IN INDUSTRIAL AUTOMATION



P 6.3 / 1
REVISION NO: 01

**SATHYABAMA UNIVERSITY
FORM FOR APPROVAL OF GUEST LECTURES**

1. Name of the Delegate	: Mr. Sathyamurthy
2. Area of specialization of the Delegate	: Industrial Automation
3. Name of the Organization	: DCS Engineer-Automation
4. Subjects / Topics	: Role of PLC & VFD in Industrial Automation
5. Branch of the students with semester	: EEE, II YEAR, III Sem 2015-2019 Batch
6. Date	: 18/8/16
7. Time	: 10.15 am To 12.15 pm
8. Venue	: Smart classroom
9. Name & Department of the Convener	: S.Nirmalraj/EEE

P. Sathyamurthy
10/4/17
HOD /EEE



GUEST LECTURE-INDUSTRIAL AUTOMATION USING PLC & SCADA



P.63/1
REVISION NO: 01

SATHYABAMA UNIVERSITY
FORM FOR APPROVAL OF GUEST LECTURES

1. Name of the Delegate	: Mr. Sathyamurthy
2. Area of specialization of the Delegate	: Industrial Automation
3. Name of the Organization	: DCS Engineer-Automation
4. Subjects / Topics	: INDUSTRIAL AUTOMATION USING PLC + SCADA
5. Branch of the students with semester	: EEE, III YEAR 2014-2018 Batch
6. Date	: 19/8/16
7. Time	: 10.15 am To 12.15 pm
8. Venue	: Central Library Auditorium
9. Name & Department of the Convener	: S.Nirmalraj/EEE


HOD /EEE

