

## Registration Form

Name of the Applicant (first, last):

Affix passport  
size  
photograph

Father's Name:

Mother's Name:

Gender:

Date of Birth:

Designation:

Highest Qualification:

Name and Address of the Organization/Institute:

Postal Address:

Category : (GEN/OBC/SC/ST/Others):

City/town:

Email:

Phone Number:

Mobile Number:

Do you need accommodation?

(Yes/No):

Transaction ID (Applicable for Online

Transaction):

Signature of the Applicant:

Signature and Seal of the Forwarding Authority

Name

Designation

Note:

- The Faculty/Staff are requested to submit the NOC from respective department before attending the session.
- The Faculty member belonging to SC/ST Category need to carry caste Certificate(both in original & photocopy).
- The participant need to carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).
- For accommodation related queries kindly requested to please call course coordinator: Dr. G Hari Krishnan, Course Coordinator, Dept. of EEE, SVEC  
E-mail: drharikrishnang@vidyanikethan.edu Mobile:9994789165

## Registration Fee including GST

- Rs. 2,950/- for Faculty, Lab Technicians and Project Staff.
- Rs. 1,475/- for Faculty members belonging to ST/SC category.
- Rs. 5,900/- for Research Scholar & others.

## Course Coordinators from Academy

- Prof. Ratnajit Bhattacharjee**  
Principal Investigator, E&ICT Academy, IIT Guwahati.
- Dr. Gaurav Trivedi**  
Co-Principal Investigator, E&ICT Academy, IIT Guwahati.

## Course Coordinators from SVEC

### Chief patron

- Dr. M. Mohan Babu, Chairman,  
Sree Vidyanikethan Educational Trust

### Patron

- Dr. P.C Krishnamachary, Principal, SVEC

### Chief Advisory

- Dr. I Sudarsan Kumar, Director, Quality & Development, SVEC
- Dr. D.V.S Bhagavanulu, Director, SVEC
- Dr. V. V. Ramaprasad, Dean, SVEC
- Dr. M. S. Sujatha, HOD-EEE, SVEC
- Dr. T. Nageswara Prasad, Chairman-BOS, EEE, SVEC
- Dr. S. Hema Chandra, IIC Dean, SVEC

### Coordinator

- Dr. G. Hari Krishnan, Assoc. Prof. EEE

## How to reach SVEC

**Airways:** Sri Venkateswara International Airport is located 15 km from the Tirupati city regular flights to Coimbatore, Hyderabad, Kolkata, Mumbai, New Delhi, Vijayawada and Visakhapatnam. The closest international airport is Chennai International Airport which is 130 km (81 mi) from Tirupati. Tirupati Airport is being upgraded to international airport.

**Roadways:** The city is well connected to major cities through national and state highways. The National highways passing through Tirupati are, National Highway 71 which connects Madanapalle and Nayudupeta, National Highway 140 connecting Tirupati with Puthalapattu. From Tirupati Bus stand and Railway station to SVEC is around 14KM distance.

**By Railways:** Tirupati Main Railway Station is classified as an A1 station in the Guntakal railway division of South Central Railway zone.



An Initiative of  
Ministry of Electronics & Information Technology  
(MeitY),  
Government of India  
Electronics & ICT Academy  
IIT Guwahati, Assam



A One-week Faculty Development Programme on

“Embedded System Design with IoT  
Towards Industrial Applications”



from 06 – 10 May, 2019  
In Association with  
Sree Vidyanikethan Engineering College



& Support from Digital Shark



Last Date of Registration: 29.04.2019  
(Online Registration Link will be open from 25.03.2019)  
Venue: Sree Vidyanikethan Engineering College (SVEC)

## Objective of the Course

This Faculty Development Programme is designed for faculty/professionals/students who want to sharpen their design and development skills. This programme includes extensive hands-on lab emphasizing the demonstration and application of techniques and skills.

## Course Outcome

On successful completion of the course, participants will get an insight to the following topics:

- MSP430 Architecture, Pin out, Instruction set
- High level programming
- Usage of On-chip resources like ADC, DAC, Timers
- Internet of Things related issues
- Analyse various design issues regarding
  - Usage of on chip resources
  - Low power modes
  - Communication support
- Design embedded systems using MSP430 series
- microcontrollers to suit market requirements.
- Solve engineering problems
- Apply techniques, program skills, On-Chip resources to design networked embedded systems

## Assignment and Project

1. Assignments will be MCQ based questionnaire.
2. At the end of the course “Project” will be assigned to the participants which would be an application development

## Venue

Sree Vidyanikethan Engineering College,  
Sree Sainath Nagar, Tirupati, Andhra Pradesh 517102,  
Website: <http://svec.education/>  
Ph. No: 0877 - 2236711, 12, 13, 14

**Mode of Payment: Online Only  
(RTGS/NEFT)**

### For Online Transfer

**Bank Name: State Bank of India**  
**Account Name: IIT Guwahati R and D E and ICT Academy**  
**Account No.: 36071160089**  
**IFSC Code: SBIN0014262**  
**Bank Name: State Bank of India**  
**Bank Address: IIT Guwahati, GHY- 39.**

## Who Can Attend

Programme is open to Faculty Members, Research Scholars, PG & UG Students, Lab Technicians and Project Staffs from Universities, Colleges & Schools. Industry Personnel working in the concerned/allied discipline may also apply.

## Contact Details of EICT Academy

Project Manager,  
E&ICT Academy, IIT Guwahati  
Email: [eictacad@iitg.ac.in](mailto:eictacad@iitg.ac.in), [eictacad@gmail.com](mailto:eictacad@gmail.com)  
[eictinfo.iitg@gmail.com](mailto:eictinfo.iitg@gmail.com)  
Phone No: +91- 7086502139,  
+91-3612583009/3182/2536/2503  
(Working Hours 9:30 am to 5:30 pm)

Follow us on: [www.facebook.com/eictacadguwahati/](https://www.facebook.com/eictacadguwahati/)



## How to Apply

**Online** – The participants may log on to the E&ICT Academy, IIT Guwahati

Website: [http://eict.iitg.ac.in/faculty\\_development.html](http://eict.iitg.ac.in/faculty_development.html) and fill up the appropriate registration form.

## Contact Details of Course Coordinator

- **Dr. G Hari Krishnan**,  
Associate Professor, Department of EEE,  
Sree Vidyanikethan Engineering College, Tirupati,  
E-mail: [drharikrishnang@vidyanikethan.edu](mailto:drharikrishnang@vidyanikethan.edu)  
Mobile: 9994789165

## Topic to be Covered

- Introduction to Embedded Systems
- Architecture of MSP430
- Fundamentals for Programming
- Timers, Mixed System Signals and Communication
- Hardware, Software Co-Design and Internet of Things.

For details of the programme and course contents etc., please log on to Electronics and ICT Academy website: <http://eict.iitg.ac.in/>

## About E&ICT Academy & IIT Guwahati

Electronics and ICT Academy is an initiative of Ministry of Electronics & Information Technology (MeitY), Govt. of India for Faculty/ Research Scholar Development Programme. Academy has planned short term training programmes on fundamental and advanced topics in IT, Electronics & Communication, Product Design, Manufacturing with hands on training and project work.

Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994. The academic programme of IIT Guwahati commenced in 1995.

## About Sree Vidyanikethan Engineering College

Sree Vidyanikethan Engineering College was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr M.Mohan Babu, a film artist and former member of Rajya Sabha. The college is situated in lush green and scenic surroundings, 14 km from the famous temple-town of Tirupati. The College is one of the largest institutions in Andhra Pradesh and one-of-its-kind in Rayalaseema offering 8 programs in B.Tech, 8 programs in M.Tech, MCA, 3 Doctoral and 5 Diploma Programs. The college is approved by AICTE, Accredited by NAAC & NBA and is affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA), Andhra Pradesh. The College has been accorded Autonomous Status by the UGC, New Delhi in 2010-11 which was extended for six years (from 2016-17 to 2021-22). The Department of EEE was established in the year 1996 with a modest intake of 60 in its UG programme B.Tech., (EEE). The intake at present is 240 besides an additional 20% under lateral entry scheme. The Department is offering Two PG programme “Electrical Power Systems (EPS)” started in the year 2004 with an intake of 18 and is increased to 36 from the year 2014 and “Power Electronics and Drives (PED)” with an intake of 18 in 2017. Both the B.Tech., (EEE) and M.Tech., (EPS) programmes were accredited by NBA. Two Full-Time research scholars are pursuing their Ph.D. The department has well qualified faculty which includes 14 Ph.D. and 29 M.Tech. degree holders. The Department is also supported with fifteen technical/non-teaching staff.

**Contact Hours for the Course**  
**40 Hrs (Theory, Hands-on & Tutorial)**