

# Registration Form

## General Information:

- No registration fee.
- Filled in Registration form is to be submitted to the coordinator(s) on or before 08.03.2020.
- The number of participants is limited to 60. Selection will be on first come first served basis.
- Certificate will be provided for each participant after successful completion of the course by **APSSDC**

## Important Dates:

- closes by : **March 8th, 2020**
- Program Dates: **March 11th - 13th, 2020 (Phase-I) & March 16th - 18th, 2020 (Phase-II)**

## Chief Patrons

Dr. M. Mohan Babu, Chairman, SVET  
Sri. Vishnu Manchu, CEO,SVET

## Patron

Prof. L. Venugopal Reddy, Advisor cum Director, SVET

## Advisors

Dr. I. Sudarsan Kumar, Director(Q&D), SVET

## Convener

Dr. K. Ramani, HOD, IT

## Coordinators

Dr. K. Khaja Baseer, Associate Professor  
Mr. A. Ramprakash Reddy, Assistant Professor



## Workshop on Internet of Things Fundamentals

March 11<sup>th</sup> - 13<sup>th</sup>, 2020 (Phase-I) & March 16<sup>th</sup> - 18<sup>th</sup>, 2020 (Phase-II)



## Contact

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**SREE VIDYANIKETHAN ENGINEERING COLLEGE** (Autonomous)

[Accredited by NBA and NAAC 'A' Grade, Affiliated to JNTUA,

Ananthapuramu] Sree Sainath Nagar, Tirupati - 517 102 [A.P]

Ph: +[91] 877-2236711-14 Fax:0877-2236717 | www.svec.education

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Organized by:

Department of Information Technology

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## College Profile:

Sree Vidyanikethan Engineering College (Autonomous) was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, renowned Film Artiste and Former Member of Parliament (Rajya Sabha). The College was established in the backward region of Rayalaseema to serve the cause of technical education with an initial intake of 180. The intake has been increased exponentially to 2112 in 2019-20. The College now offers 8 B.Tech programs; 8 M.Tech programs; MCA Program; and 3 Doctoral Programs. AICTE has also accorded permission for 2nd Shift Polytechnic from the academic year 2009-10 and presently 5 Diploma courses are being offered. Today, Sree Vidyanikethan Engineering College is one of the largest, most admired and sought after institutions in Andhra Pradesh. The College is approved by AICTE and affiliated to JNTUA, Ananthapuramu. 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 College is known for its quality initiatives which are amply reflected in accreditations by National Board of Accreditation (NBA) for UG & PG programs, National Assessment and Accreditation Council (NAAC) with 'A' Grade as one of the best performing institutions in India. The College has successfully implemented TEQIP-II under Sub-component 1.1: Strengthening Institutions to improve Learning Outcomes and Employability of Graduates, funded by the Ministry of HRD, Govt. of India. The College has been accorded "UGC-Colleges with Potential for Excellence" status under CPE Scheme by UGC, New Delhi. It also has been accorded 'PLATINUM' category by CII-AICTE Survey; and was conferred with 'A' Grade by Department of Higher Education, Andhra Pradesh. The college participated in National Institution Ranking Frame Work (NIRF), 2019 and awarded the rank of 167. SIEMENS and APSSDC has established 6 State-of-the-art laboratories.

## Location:

The Institution is located 16KM from the temple town of Tirupati on Tirupati – Madanapalle National Highway 205.  
<http://goo.gl/maps/SxeqCCprSuMpkTME7>  
KINDLY SCAN QR CODE FOR LOCATION



## Courses offered:

The college offers B. Tech Programs in ECE, CSE, IT, EEE, EIE, CSSE, Civil, MECH. The college also offers M. Tech. in DECS, VLSI, CMS, CS, CNIS, SE, EPS, PED & MCA along with PhD programs in ECE, EEE & CS

## About Tirupati:

Tirupati city is famous for Sri Venkateswara Swamy temple located about 15 kilometers North West of Tirupati in Tirumala hills at an elevation of 853 meters (2,799 ft). It is one of the most important pilgrimage centres in the World and the temple draws millions of pilgrims across the world. Also, the city is a major economic and educational hub in the southern region of the state.

## About Department:

The Department of Information Technology was established in the year 1997 with an intake of 30 in B.Tech (IT) program. The intake has been increased to 60 during the year 1998-1999 and further increased to 120 during the year 2000-2001.

The department offers M.Tech Program in Software Engineering from the academic year 2009-10. The Department is headed by Dr. K. Ramani, who has 21 years of teaching experience and is supported by well qualified faculty.

## Objectives:

- To impart knowledge on the concepts of Internet of Things and its components.
- To provide hands-on through Node MCU Programming.
- To analyze and develop skills on IoT applications through cloud and mobile apps.

## Outcomes:

- Demonstrate knowledge on Protocols, Functional blocks and communication models of Internet of things.
- Identify appropriate sensors and communication modes used in IoT based systems.
- Design appropriate solutions for IoT applications using Node MCU and Arduino IDE.

## Resource Persons:

- Resource Persons from APSSDC

## Topics to be Covered:

- Introduction to Internet of Things, IoT Architecture, IoT Trends & Applications, Node MCU Programming and LED based Projects.
- Interfacing of switches with Node MCU & Display Based Projects(LCD, Seven Segment Display), Motor Based Projects, Interfacing of digital and analog sensors with Arduino, Bluetooth communication using mobile app
- Controlling of LED from cloud and mobile app, Publishing the data and subscribing the data (i.e., sensor values) to the cloud. Blink publishing and get notifications to mail through SMS service, Sample projects.

## Eligibility:

- II & III B.Tech IT Students

## SREE VIDYANIKETHAN ENGINEERING

### COLLEGE (AUTONOMOUS)

SREE SAINATH NAGAR, TIRUPATI - 517 102 (A.P.)



# Workshop on Internet of Things Fundamentals

March 11<sup>th</sup> - 13<sup>th</sup>, 2020 (Phase-I) & March 16<sup>th</sup> - 18<sup>th</sup>, 2020 (Phase-II)

## REGISTRATION FORM

(Use Photostat copies if necessary)

Name: \_\_\_\_\_

Department: \_\_\_\_\_

Institution: \_\_\_\_\_

Address for Communication: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Place: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of the Participant

Signature of Principal/HOD