

### ELIGIBILITY

Faculties/UG/PG Students from Engineering /Polytechnic/Arts& Science colleges.

### BOARDING & LODGING

Boarding and lodging will be provided in the college campus at affordable fee (on prior request)

### REGISTRATION FEE

Faculty & Research Scholar : Rs.300 /-

Engg. & Arts U.G / P.G students : Rs.250 /-

The Registration fee includes Workshop Kit, Certificate, Lunch and Refreshments.

The demand draft should be drawn in favour of "The Principal, Sri Vidya College of Engineering & Technology" payable at Virudhunagar.

### IMPORTANT DATES

Last Date for Registration : 20/08/2018

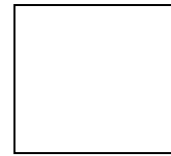
Confirmation by participant : 22/08/2018

(through E-mail / Phone)

### SPONSORSHIP CERTIFICATE

I / We hereby sponsored Mr/Ms..... to attend and participate in the One day National Level Workshop on IoT Programming with Python at Sri Vidya College of Engineering & Technology, Virudhunagar – 626 001 on 24<sup>th</sup> August - 2018.

Signature of Head of the Institution with seal



Book - Post

To,

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From,  
Dr.P.Murugeswari. M.Tech.,Ph.D  
Professor& Head / CSE  
Convener,  
Dept of CSE  
Sri Vidya College of Engineering &  
Technology, Sivakasi Main road,  
Virudhunagar – 626 005, Tamilnadu  
Ph:9750977067, 8940442283  
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SRI VIDYA COLLEGE OF  
ENGINEERING & TECHNOLOGY,  
VIRUDHUNAGAR- 626 005

A ONE DAY NATIONAL LEVEL  
WORKSHOP ON IOT PROGRAMMING  
WITH PYTHON



24<sup>th</sup> August - 2018

**Convener**

Dr. P. MURUGESWARI. M. Tech., Ph. D  
Professor & Head / CSE

**Co-Ordinator**

Mr. S. GURURAGAVENDRAN M. Tech.,  
Assistant Professor / CSE

Organized By  
Department of Computer Science &  
Engineering

### ABOUT THE INSTITUTION

Sri Vidya College of Engineering & Technology was established in the year 2008 with the aim of taking higher education to the nearby villages in general and rural people in particular at all levels of economic platform. The college is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. With a multi-disciplinary approach, the college offers five UG programmes, three PG programmes in Engineering & Technology and one PG programme in management studies. The college offers ample facilities to enhance students' individual development, and to provide opportunities to hone their skills.

### ABOUT THE WORKSHOP

Over the past decade, the popularity of Python as a mainstream programming language has exploded. A few years ago, no one thought Python would be used for IoT as it mainly focused on web applications. But that's changed now as it's essentially an easy programming language to understand and utilize in IoT projects. Although Python started out as a scripting language to glue code together, it has grown to be one of the primary languages used by a lot of developers. As small devices have limited computational power and memory, developers had to get creative to make life easy, so they ended up choosing Python. This workshop serves as a platform for research scholars, faculty, engineers and students to interact on cutting edge technologies in Internet of Things (IoT).

### TOPICS TO BE COVERED

#### SESSION I:

- ✓ What IoT is about?
- ✓ Impact of IoT in today's Technology.
- ✓ Python Programming Language.
- ✓ Introduction to Single Board Computers - SBC's and IoT Using Raspberry Pi.

#### SESSION 2:

- ✓ Raspberry Pi GPIO Access
- ✓ Digital Inputs & Outputs
- ✓ I/O and Sensor Interfacing
- ✓ Introduction to Sensor
- ✓ Interfacing Sensor to Raspberry Pi

#### SESSION 3:

- ✓ Local Server using Raspberry Pi
- ✓ Enabling Wireless in Raspberry Pi
- ✓ Raspberry Pi Web Server
- ✓ Interfacing to Think Speak Cloud (Hands On)
- ✓ Setting Up Pi for IoT

### RESOURCE PERSON

**Mr. K. KARTHIK,**

System Engineer, RESPRO LABS, Chennai

SRI VIDYA COLLEGE  
OF ENGINEERING & TECHNOLOGY  
VIRUDHUNAGAR – 626 005

### A One day National Level Workshop on IoT Programming with Python

Organized By  
Department of CSE

### REGISTRATION FORM

Name :  
Desig. / Dept. :  
Organization :  
Educational Qualification:  
Experience: Teaching:..... Industry:.....  
Address for Communication:  
  
Contact No :  
Email ID :  
Is accommodation required? : YES / NO

### Details of Payment

DD No.....Date.....  
Amt.Rs.....  
.....  
Name of the Bank.....  
(Write your name and address on the  
back side of the DD)

Date :  
Place :

**Applicant's Signature**  
(Multiple Copies can be made, if Necessary)