

**AAA COLLEGE OF ENGINEERING AND TECHNOLOGY**

Department of Electronics and Communication Engineering

**REGISTRATION FORM**

**Three Days National Level Workshop On**

**“IoT using Raspberry Pi”**

**07.03.2019 to 09.03.2019**

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

Designation : \_\_\_\_\_

Organization : \_\_\_\_\_

Address : \_\_\_\_\_

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

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

Accommodation Required: YES / NO

**Payment Details:**

DD Number : \_\_\_\_\_

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

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

Branch : \_\_\_\_\_

Signature of the  
HOD /Head of the Institution

Signature of the  
Applicant

**For more enquiries please Contact:**

**Mr. L. K. Balaji Vignesh, AP/ECE : 8807501389**

**Mrs. M. Gayathri, AP/ECE : 9626467952**

**ORGANIZING COMMITTEE**

**PATRON**

**Dr. P. Karvannan**, Secretary, AACET

**Dr. P. Ganesan**, Correspondent, AACET

**Er. K. Vignesh Kumar**, Joint Secretary, AACET

**PRESIDENT**

**Dr. M. Sekar**, M.E., Ph.D., FIE.,

Principal, AACET

**CONVENOR**

**Dr. S. Sevugarajan**, M.Sc., M.Sc (Engg.), Ph.D

Professor & Head/ECE, AACET

**EVENT COORDINATORS**

**Mr. L. K. Balaji Vignesh**, M.E., (Ph.D),

Assistant Professor/ECE

**Mrs. M. Gayathri**, M.E.,

Assistant Professor/ECE

**ADDRESS FOR COMMUNICATION**

**The Coordinator,**

Department of ECE,

**AAA College of Engineering and Technology,**  
Amathur, Sivakasi-626005.

Web: <https://www.aaaengcoll.ac.in>



[https://www.aaaengcoll.ac.in/registration-form-  
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**AAA**  
COLLEGE OF ENGINEERING & TECHNOLOGY  
APPROVED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI  
AFFILIATED TO ANNA UNIVERSITY, CHENNAI

**Three Days**  
**National Level Workshop**

**On**

**IoT using Raspberry Pi**

**March 7-9, 2019**



**Organized by**

**Department of Electronics and Communication  
Engineering**

**AAA College of Engineering and Technology**  
**Kamarajar Educational Road**

**Amathur, Sivakasi-626005**

Website: [www.aaaengcoll.ac.in](http://www.aaaengcoll.ac.in)

## ABOUT THE INSTITUTION

AAA College of Engineering and Technology, Sivakasi is one among the renowned colleges for technical education in the state of Tamilnadu. It is branded for its quality education, promoted by Sony Vinayaga group of industries. Aspire, Attain, Achieve are its motto. The primary aim of our college is to provide quality education. The college is managed by Panjurajan-Amaravathy trust located at Thiruthangal, Virudhunagar District. Our college has received the Best Infrastructure Award from Dr. K. Rosaiah, the former Governor of Tamilnadu. The college has signed MoU with leading industries like BSNL and Bosch. Also, the college is equipped with robotics laboratory “e-Yantra” which is supported by IIT-Bombay. Our college has recently become a part of Amazon Web Services (AWS) Academic Center and Oracle Workforce Development.

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 2013 with an aim of creating quality electronics engineers with sound technical knowledge and latest advancements in emerging technologies. The department focuses on providing learning path to students to meet the Industry need through various workshops, Hands on Training, Guest Lecture by experts from both Academic and Industry.

## ABOUT THE WORKSHOP

The main objective of this workshop is to demonstrate the aspiring Engineers acquaint with the conceptual as well as basic practical knowledge of the amazing world of Internet of Things (IoT) and its fascinating applications. In this workshop students will understand how Raspberry Pi can be used in hardware and software to interact with a web service on the Internet. This workshop prepares students to work with Raspberry Pi development platform to develop the Innovative Projects in the field of Internet of Things (IoT).

## TOPICS COVERED

- Introduction to Embedded System
- Introduction to Raspberry Pi
- Installing OS in Raspberry Pi
- Programming Raspberry Pi using Python
- Basic Concepts of Python
- Accessing GPIO Pins of Raspberry pi
- GPIO, ADC, UART & Sensors
- Introduction to Internet of Things
- Complete Hardware and Software Infrastructure
- Interfacing Sensors and Wi-Fi Module
- Store and Sending data on IoT Cloud Platform

## WORKSHOP OUTCOMES

- Learn the basics of IoT and its applications
- Build your computer using Raspberry Pi platform
- Work with DHT sensors to detect humidity and temperature
- Setup IoT connectivity using a remote desktop
- Understand Raspbian OS, Python programming, SMTP and API

## RESOURCE PERSONS

Expert from Industry will handle the workshop.

## TARGET AUDIENCE

Faculty Members working in Engineering/Polytechnic colleges/Research Scholars/UG Students/PG Students and also who have interested in Embedded System design can also attend.

## REGISTRATION FEE

- Registration fee: Rs 600/-
- Registration fee may be paid through Demand Draft should be drawn in favour of “AAA College of Engineering and Technology” payable at Sivakasi.
- Registration form shall be submitted through online registration.
- As the number of seats are limited, registration will be confirmed on first come first serve basis.
- Registration Kit, Lunch, Tea Snacks and Certificates will be provided to all the participants.

## IMPORTANT DATES

Starting date for registration	<b>25.02.2019</b>
Last date for receipt of application	<b>02.03.2019</b>
Intimation of selection	<b>04.03.2019</b>

## ACCOMMODATION

Accommodation will be provided within the Campus for Gents and Ladies (Separate Hostel) on prior request of participants at a nominal cost.