Registration Form

NAME:

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DEPARTMENT:

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INSTITUTION:

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CONTACT ADDRESS:

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EMAIL:

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MOBILE:

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Signatre of Applicant

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Registration Fee:

Research Scholar & Students : **Rs.600**

Chief Patron

Dr. S. Ganesh Vaidyanathan,
Principal, SVCE

Convenor

Dr. S. Muthukumar,
Professor & HOD - ECE, SVCE

Co - Ordinators

Dr. G. Padmavathi,
Professor / ECE   - 9600138593

Dr. S. R. Malathi,
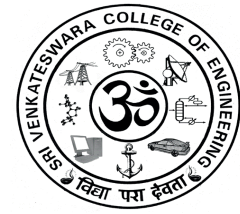Assoc. Prof./ECE - 9962534922

Organizing Committee

Ms. S. M. Mehzabeen

Ms.A.Bharathipriya

Department of ECE
Sri Venkateswara College of Engineering,
Pennalur, Sriperumbudur - 602117

Phone No: 044-27152000,
Extn-201, 225

Website: https://www.svce.ac.in

Sri Venkateswara College of Engineering
(An Autonomous Institution Affiliated to Anna University, Chennai)

Two Days
National Level Workshop
on
Cloud Based
Real Time Applications
of IoT using Raspberry Pi
and Think Speak

09th & 10th Aug' 2019

Organized by

Department of
Electronics and Communication Engineering

Association with

PANTECH SOLUTIONS®
Technology Beyond the Dreams

About SVCE

Sri Venkateswara College of Engineering (SVCE), a premier self-financing engineering college was started in the year 1985 and is managed by Sri Venkateswara Educational and Health Trust. The college attained autonomous status in 2016. SVCE has 10 under graduate and 10 post graduate programmes in Engineering and Technology. The college has 11 research centers recognized by the Anna University, Chennai, which cater to MS (by Research) and Ph.D programmes. The courses are approved by AICTE and affiliated to Anna University, Chennai.

The college is accredited by National Assessment and Accreditation Council (NAAC). The college is also certified by IRQS for ISO 9001:2015. The college is situated in serene environment about 37 kms from Chennai and is situated on the way of Chennai – Bangalore National Highway (NH4) at Pennalur, Sriperumbudur, in Kanchipuram district. The campus is Wi-Fi enabled.
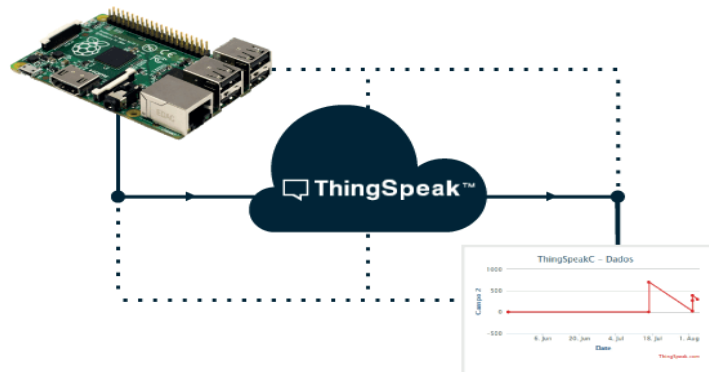
Dept of Electronics and Communication Engineering

The Department of ECE was started in the year 1985 and is presently accredited by the NBA. The post graduate program (M.E) in Communication Systems was started in 2002 and Applied Electronics in 2012. There are about 46 faculty members in the department and 9 of them are doctorates. The department is well equipped with lab facilities and software tools like IE3D, ADS, Lab View, Tanner Tools, Cadence, MATLAB, PCB Prototype Machine.

Course Overview

This course introduces you to the IoT and its applications. Using a Raspberry Pi computer and sensor, you will develop an Application data over the internet. The device will automatically send a notification by gaining practical skills on the Internet of Things, by doing this project you will learn about the Raspberry Pi development platform which is popular among people who love innovative projects.

> Introdution to Python

> Basics of Internet of Things and its applications

> Build your computer using Raspberry Pi platform

> Work with Multiple sensors & Devices

> Setup IoT connectivity using a remote desktop

> Real Time Application with ThingSpeak (Cloud)

> Develop and test an IoT Applications

About Pantech Solutions

Pantech Solutions, an Organisation stared in the year of 2004, involved in the Product Development and the Technical Training Activities. We are the manufacturer of embedded development boards, IoT Modules, Power Electronics & Drives and Control System Equipments. Currently we are working with IoT, AI, Machine Learning and the Deep Learning Applications and we are keen on implementing the ML and AI on Robotics and the Autonomous Control Application.

We well versed in providing Technical Training to the Students & Staff Community on the recent trends of Electronics, Electrical, Robotics and Software Domains. We are closely working with Industries on customized design services and the Academics on funded projects. We too support on implementing the academic Project for UG and PG students. We trust Hands on Training will make students community more comfortable on the Project development and it enrich them towards the industry demands. The entire training program will be Hands on Training methodology. We provide the training in the form of Value Added Courses, Internships, Project Guidance, Faculty Development Programs, Workshops and Guest Lectures.

Contact Details

Senthil Kumar M R | 9840974406
Kumarasamy R | 9566133338

SRI VENKATESWARA COLLEGE OF ENGINEERING

Sriperumbudur- 602 117

DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

Cordially invites you to the

Inaugural function of

Two Days National Level Workshop on

Cloud Based Real Time Applications of IoT using Raspberry Pi and Think Speak

In association with PANTECH Solutions

On 9th and 10th August 2019

Venue   **: Software Lab**

Date   **: 9th August 2019**

Time   **: 9.00 a.m**

All are Welcome!

<u>**A Report on**</u>

<u>**"Two Days National Level Workshop on Cloud Based Real Time Applications of IoT using Raspberry Pi and Think Speak"**</u>

<u>**Conducted on August 9th and 10st 2019 by the Department of ECE**</u>

The Department of ECE organized, a **"Two Day National Level Workshop on Cloud Based Real Time Applications of IoT using Raspberry Pi and Think Speak"** on 09/08/2019 and 10/08/2019 in association with PANTECH Solutions, Chennai.

The event was coordinated by Dr.G.Padmavathi, Professor and Dr.S.R.Malathi, Associate Professor. The Organized team members were Ms. S. M. Mehzabeen and Ms. A. Barathypriya Assistant Professors, Department of ECE.

The purpose of this workshop was to facilitate hands on training on Raspberry Pi and free access to the 'Think Speak' cloud environment to the students and faculty participants.

There was overwhelming response for the workshop from the beginning. Totally 55 participants registered and participated in the workshop. The number of external participants were 23 and internal participants were 32.

Students from various disciplines like CSE, Mechanical, IT and ECE from various colleges like, Pondicherry Engineering College, Loyola ICAM Engineering College, Rajalakshmi Institute of Technology, RMK Engineering College, SRM Engineering College enthusiastically participated in the National Level Workshop.

Accommodation was provided to two participants from Pondicherry. Lunch and refreshments were provided to all the participants for both the days. Organizing team members Ms. S. M. Mehzabeen and Ms. A. Barathypriya, took care of the Attendance, Lunch, refreshments and transport arrangements. The lab infrastructure requirements were taken care by Mr.Tamilselvan and Mr.Dilli Ganesh.

The workshop was started with the welcome address by Dr.G.Padmavathi, Professor and Coordinator of the workshop. The Inaugural address was given by the HOD-EC, Professor Dr.S.Muthukumar, about the "Evolution of IOT based applications and Significance of attending workshops in latest technology". The session was handed over to the mentors Mr.Jishnu, Mr.Arjun and Mr. Satheesh from Pantech Solutions.

On each day the sessions started at 9.00a.m and ended at 3.15 p.m. The various topics covered during the two day workshop are listed below -

Day 1:

Introduction to IOT, Introduction to Python and basics, LED control, IR interface, and Sensor interfacing with Raspberry Pi.

Day 2:

Ultrasonic sensor for distance calculation, SMTP server configuration, Thinkspeak installation, Motor control using IOT.

    On the second day, at 3.00 p.m, the oral and written feedbacks from the participants were received. The participation certificates were distributed by Dr.G.Padmavathi, Dr.S.R.Malathi and Mr.Jishnu. Vote of thanks was given by Dr.S.R.Malathi, Associate Professor and Coordinator of the workshop. The event was successfully completed with National Anthem at 3.30 p.m

<u>Organizing Committee Members and Mentors from PANTECH Solutions</u>

Dr.S.R.Malathi

Dr.S.Muthukumar
HOD-EC

Department of ECE

"Two Days National Level Workshop on Cloud Based Real Time Applications of IoT using Raspberry Pi and Think Speak"

Sl.No	External Participants	Institute / Organization	Designation
1	Padigineni thanusha	Rajalakshmi institute of technology	Student
2	NANDHA KUMAR R	RMK ENGINEERING COLLEGE	STUDENT
3	Sriram Gs	R.M.K. Engineering College	UG Student
4	Oviya.N	Rajalakshmi Institute Of Technologyy	Student
5	PREETHI K	RAJALAKSHMI INSTITUTE OF TECHNOLOGY	STUDENT
6	Shree balaji. P	Rajalakshimi institute of technology	Student
7	YOGARAMAN D	PONDICHERRY ENGINEERING COLLEGE	B.TECH
8	A.Nasima banu	Rajalakshmi institute of technology	student
9	MANO RANJITHA K	Rajalakshmi institute of technology	student
10	S.E.Viswapriya	Sri Chandra Sekharendra Viswa Maha Vidhya	Assistant Professor
11	THIRUNAVUKKARASU	SCSVMV University	Assistant Professor
12	Rajarathinam P	Pondicherry Engineering College	B.Tech
13	A.Rina Valentina	Loyola Icam College Of Engineering And Tech	Student
14	Vinay Simha m.k	Rajalakshmi Institute of Technology	Student
15	R.kiruthika	Rajalkshmi Institute of Technology	BE
16	R. Lakshmi Priya	Rajalakshmi institute of technology	BE
17	VANDHANA.G	Loyola-Icam college of engineering and techn	BE
18	H.J.Anselm Nicholas	Loyola ICAM college of engineering and tech	Student
19	J.J.Suriya Prakash	Loyola ICAM College of Engineering and Tech	Student
20	Dennis Lincy Sneha	Loyola ICAM college of engineering and tech	Student
21	Dominic Paul	Loyola ICAM College of Engineering and Tech	Student
22	Nikshai Raj	Loyola ICAM College of Engineering and Tech	Student
Sl.No	Internal Participants	Institute / Organization	Designation
1	Gayathri.C	Sri Venkateswara College of Engineering	Student
2	Janani.A	Sri Venkateswara College of Engineering	Student
3	Deepika.E	Sri Venkateswara College of Engineering	Student
4	Udayasri.R	Sri Venkateswara College of Engineering	Student
5	Ashwini.G	Sri Venkateswara College of Engineering	Student
6	Keerthana Lakshmi.K	Sri Venkateswara College of Engineering	Student
7	Preetha.G	Sri Venkateswara College of Engineering	Student
8	Kiruthiga.B	Sri Venkateswara College of Engineering	Student
9	Sinthana.R	Sri Venkateswara College of Engineering	Student
10	J.Vaishnavi	Sri Venkateswara College of Engineering	Student
11	S.Vaishnavi	Sri Venkateswara College of Engineering	Student
12	O.Shirisha	Sri Venkateswara College of Engineering	Student
13	R.Jalakandeshwaran	Sri Venkateswara College of Engineering	Student
14	S.Bharath vyas	Sri Venkateswara College of Engineering	Student
15	V.Bhargav reddy	Sri Venkateswara College of Engineering	Student
16	J.Nandhini	Sri Venkateswara College of Engineering	Student
17	T.Mariya	Sri Venkateswara College of Engineering	Student
18	K.Keerthana	Sri Venkateswara College of Engineering	Student
19	S.Kulandaiyan	Sri Venkateswara College of Engineering	Student
20	K.S.Pravin	Sri Venkateswara College of Engineering	Student
21	R.Raghavan	Sri Venkateswara College of Engineering	Student
22	S.Nithya	Sri Venkateswara College of Engineering	Student
23	S.Niraimadhi	Sri Venkateswara College of Engineering	Student
24	J.N.Jayashree	Sri Venkateswara College of Engineering	Student
25	G.Gajalakshmi	Sri Venkateswara College of Engineering	Student
26	Rahul Narayanan	Sri Venkateswara College of Engineering	Student

27	D.Manimaran	Sri Venkateswara College of Engineering	Student
28	J.Kiruthika	Sri Venkateswara College of Engineering	Student
29	Vishnu sai.R	Sri Venkateswara College of Engineering	Student
30	Seshadri	Sri Venkateswara College of Engineering	Student
31	Premkumar	Sri Venkateswara College of Engineering	Student
32	Krish Anand	Sri Venkateswara College of Engineering	Student

Coordinator

Dr.S.Muthukumar
HOD-EC