

A SIX DAY NATIONAL LEVEL WORKSHOP

On

INTERNET OF THINGS

12-14 February 2019(Phase-1)
25-27 February 2019(Phase-2)

In Association with APSSDC
(Andhra Pradesh State Skill Development Corporation)

REGISTRATION FORM

1. Name :
2. Designation :
3. Organization :
4. Mailing Address :
5. Ph. No. :
6. Email :
7. Whether accommodation is required:
YES/NO
8. Amount :

(Signature of Applicant)

I recommend his/her participation in the course

Signature
(Head of the Institute with seal)

CHIEF PATRON

Sri Kallam Haranadha Reddy – Chairman
Dr.Karthik Batra, IAS MD&CEO-APSSDC

PATRONS

Sri K. Mohan Reddy - Secretary
Dr.M. Umasankara Reddy – Director
Dr.B.S.B.Reddy, Principal, KHIT

Sri.T.Anil Kumar, Executive Director,
APSSDC

Dr.Ravi gujjula, Chief General Manager,
APSSDC

CONVENER

Dr.K.Venkata Subba Reddy, HOD, CSE

CO-ORDINATORS

Mr.K.Kranthi Kumar, Asst.Prof, CSE
Mr.A.Sandeep Kumar, Asst.Prof, CSE

TECHNICAL SUPPORT

Mr.M.Prasad Rao
Mr.P.S.V.Reddy
Mr.Ramanjaneyulu
Mr.Harikrishna

For Registration & Queries, Contact:

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Organized by

**Department of Computer Science
and Engineering**

**Kallam Haranadhareddy
Institute of Technology**



(Approved by AICTE, New Delhi & Affiliated
to JNTUK, Kakinada)

Accredited by NBA and NAAC
ISO: 9001-2015 Certified Institution
NH-5, Chowdavaram, GUNTUR-522019
Mobile: 94910 73337

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www.khitguntur.ac.in

Introduction:

The IOT is the network of devices, vehicles and home appliances that contain electronic, software, actuators and connectivity which allows these things to connect, interact and exchange data.

Objectives:

The seminar is aimed at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This program serves as a platform for research scholars, faculty, engineers and students to interact on cutting edge technologies in IoT.

IoT Phase-1 Syllabus:

Day 1: Introduction to IoT, Introduction to Embedded Systems, Introduction to 8051 family, Introduction to Keil- IDE, Embedded C Programming, Proteus software, LED based Projects.

Day 2: Interfacing Button, seven segment display, Motors with 8051, LCd Interfacing Arduino Programming, Introduction to Digital Pins & Inputs- LED Based Projects

Day 3: Interfacing of switches with Arduino & LCD Based Projects, Interfacing of Seven segment Display with Arduino, Interfacing of sensors with Arduino-LDR, Humidity sensor, Temperature sensor, Things Speak Cloud.

IoT Phase-2 Syllabus:

Day 4: Linux Basics, Login Linux File system, Navigating the File system, Text Editors, Accessing Files, Permissions, Processes, Linux Graphic User Interface, Raspberry Pi Board, Raspberry Pi Processor, Raspberry Pi vs. Arduino, Operating System Benefits, Processes

Day 5: Raspberry Pi IoT, Raspberry Pi Setup, Raspberry Pi Configuration & Over clocking General Purpose IO Pins, Protocol Pins, GPIO Access, General Purpose IO Pins, Pulse Width Modulation Network, Secure Shell, SSH Client/Server, SSH Server, Network Programs, Internet Protocols, IP Addresses & Domain Names, Client/Server

Day 6: Sockets, Sending Data, Interfacing sensors with raspberry Pi Amazon web services, introduction Using Services, Amazon web services-Controlling of hardware through cloud, AWS-IoT Badge

About the College

Kallam Haranadhareddy Institute of Technology (KHIT) was established by Kallam Academy of Educational Society in the year 2010. It has come up in an area of 10 acres with a built-up area of more than 2 lakh sq. ft. with lush green environment with an aim to impart quality education to students in Engineering & Technology. The college registered a phenomenal growth and today it stands as a premier institution offering engineering education at UG and PG levels.

In 2018 it had become the youngest college to have been accredited by the NBA and NAAC.

The college has a rich tradition of soaring high, with academic excellence & overall personal growth of students. This is achieved by providing excellent academic environment and infrastructure with the help of dedicated, highly qualified and experienced team of faculty members. The Institute offers B.Tech in ECE, CSE, EEE, CE and ME. and M.Tech in CSE, ME and CE.

About CSE Department:

The Department of Computer Science and Engineering started B.Tech course in 2010 and M.Tech (CSE) in 2012. The B. Tech program is accredited by NBA in 2018.

The department has well experienced faculty with right mix of specializations and highly skilled and motivated technicians to provide quality education to the students. A well established Research and Development laboratory with 35 high end computer systems.

Target Audience:

CSE, ECE UG/PG Students/Faculty from Engineering Colleges.

Resource Persons:

Subject Experts from APSSDC

Registration and Fee Particulars for Participants:

UG/PG Students/Faculty: Phase-1 & Phase-2 Rs: 500/-

Last date for submission of Application:

10-02-2019