

IoT

About the Institute

G. Narayanamma Institute of Technology & Science, a leading engineering college in Hyderabad for women founded by Late Sri G. Pulla Reddy garu in 1997, with the objective of providing an excellent learning facility for women to pursue education in engineering. The institute aims to promote Technical Education among Women to enhance and build-up a new generation of thinkers, innovators and planners in the technical realms of Science & Technology. GNITS received UGC autonomous status for 10 years from 2018 and is affiliated to Jawaharlal Nehru Technological University (JNTU-H), Hyderabad. It is approved by All India Council for Technical Education (AICTE), accredited by NAAC & NBA (AICTE) and ISO 9001:2015 Certified Institution.

About Dept. of ECE

ECE Department was started in 1997 with an intake of 60 and in a short period, the intake was increased to 180. The Department introduced M.Tech with Specialization of Digital Electronics & Communication Engineering in 2007 with an intake of 18 students. There are 6 Doctorates in the Department. For the academic year 2018-19, the department received 25 lakhs of funding through AICTE. An amount of more than 2 crores is spent so far for establishment of labs. The infrastructural facilities have been upgraded in the department with the extension of existing and new laboratories in the fields of VLSI, Communications, Microwave and Signal processing domains.

About AICTE-STP

Short Term Training Programme (STTP) intends to conduct faculty trainings through financial assistance from AICTE to enable faculty members in the field of technical education to introspect and learn techniques that can help prepare students for active and successful participants in a knowledge society.

Technology & Science
(for women)
(AUTONOMOUS)

Shaikpet, Hyderabad - 500 104

IS

The objectives of this Short-Term Training Programme are:

- ❖ To provide an extended knowledge on IoT applications.
 - ❖ To explore latest research works going on in the field of embedded systems and IoT technology.
 - ❖ Hands on various Smart device applications through IoT platform.
- Contents**
- > Building Smart Device with ARM.
 - > ARM based IoTs by CDAC: UbiMate in Linux Environment.
 - > Introduction to Industrial Internet of Things
 - > IoT Gateway Architectures
 - > Smart Sensors for IoT
 - > Communication Technologies for IoT
 - > IoT platform Architectures
 - > Wireless Sensor Network for IoT Applications
 - > Best Practices for IoT Security

Resource Persons

Dr., P.S. Sai Krishna, IIT Tirupali

Dr. Sachin Chaudhari, IITH

Sri. N. Venkatesh, Sr. Vice President, Rodpine Signals

Sri. P.V.S. Maruthi Rao, Founder Director, Vidcentum

R&D Pvt. Ltd.

Mr. Amarendra Katakani, Director & CEO, SmartBridge

Mr. G. Sudheer, Technical Manager, Volary Tech.

Mr. Veerababu P, Quality Security Engineer, Crestion Slw

Practical Hands on from leading industry personnel.

FUTURE

Chief Patrons:

Sri. P. Subba Reddy, Chairman

Smt. G. Srividya Reddy, Vice Chairman

Chairman:

Dr. K. Ramesh Reddy, Principal

Organizing Committee:

Convener:

Dr. B. Venkateshulu, Professor, HOD-ECE

Coordinator:

Dr. K. Ragini, Professor, ECE

Co-coordinators:

Mrs. A. Deepthi, Asst. Professor, ECE

Mrs. T. Sriatha, Asst. Professor, ECE

Mrs. G. Madhavi, Asst. Professor, ECE

Sponsorship Certificate

Certified that is a regular employee of our institution since and is hereby sponsored for the STTP on "Embedded systems in IoT", at GNITS, Hyderabad during the period 25th to 30th Nov'19. He/She will be permitted to attend the course without fail, if selected.

Signature of the Principal/Director with seal

Place:

Date:

Declaration

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course definitely for the entire duration. I also undertake the responsibility to inform the Course Coordinator sufficiently in advance (one week before), in case if I am unable to attend the course.

Place:

Date:

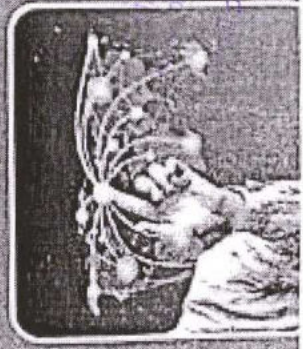
PRINCIPAL

Signature of the applicant
G. Narayanamma Institute of Technology & Science (for women)
(AUTONOMOUS)

Name of the applicant: Shaikpet, Hyderabad - 500 104.

REGISTRATION FORM

1. Name: _____
2. Date of Birth & Age: _____
3. Gender (M/F): _____
4. Qualification: _____
5. Teaching/Industry Experience: _____
6. a) Designation: _____
b) Department: _____
7. a) Institution: _____
b) Address of Institution: _____
8. Address for Correspondence: _____
9. Mobile No: _____
10. E-mail Id: _____



Important dates:

- Last Date of Registration: 15th Nov'19
- Announcement of selected candidates: 18th Nov'19
- Schedule of the event: 25th - 30th Nov'19

Eligibility:

- ❖ Academicians in any discipline from the engineering institutions
- ❖ Industry Personal
- ❖ Research Scholars

Registration Fee: Free

Selection will be based on First Come First Serve basis subject to a maximum of 40 participants.

Accommodation: Twin/Three sharing accommodation will be provided for outstation participants on first come first serve basis.

Travelling Allowance: Travelling allowance (Sleeper class train or bus fare by shortest route) will be reimbursed to outstation participants as per norms on submission of original tickets.

Online Registration Link

<https://forms.gle/jh6rWJ82ck6zEY288>

All the participants have to send scanned copies of sponsorship letter, declaration and a Demand Draft of Rs. 1000/- drawn in favor of 'Principal, GNITS', Payable at Hyderabad to e-mail, Id given below. However, DD shall be returned to the first 40 participants.

Address for all Correspondence

Dr. K. Ragini (Coordinator)

Professor, ECE, GNITS, Shalkpet, Hyderabad-500 104

Mobile: 9849327161 / 9906437906

E-mail: gnits.ec@annaemail.com

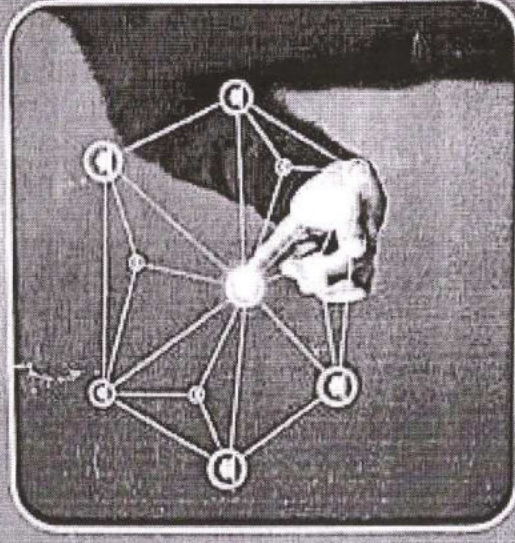


AICTE Sponsored
Short Term Training Programme
(STTP)

On

Embedded Systems in
Internet of Things (IoT)

(25th to 30th November 2019)



Organized by

DEPT OF ELECTRONICS AND
COMMUNICATIONS ENGINEERING
G. NARAYANAMA INSTITUTE OF
TECHNOLOGY & SCIENCE (FOR WOMEN)
(Autonomous)

Principal
Anna Institute of 01/2019 Certified, Approved by AICTE,
Science (for women) & Affiliated to JNTUH/Accredited by
CONQUOS, NBA & NAAC
Hyderabad - 500 104, Shalkpet, Hyderabad, T.S.

REGISTRATION FORM

1) Name: G. Ahmed Reddy

2) Date of Birth & Age: 8/11/1984

3) Gender (M/F): M

4) Qualification: M.Tech

5) Teaching/Industry Experience: 10

6) a) Designation: Asst. Prof.
 b) Department: ECE
 c) Institution: GUBACINET OF GNITS
 d) Address of Institution: Shaikpet, Hyderabad

7) e) Affiliating University: ITC/VIIT
 Address for Correspondence: Shaikpet, Hyderabad

8) Mobile no: 9849627161

9) E-mail id: gahmedr@gmail.com



Important dates:
 15th Nov 19
 18th Nov 19
 29th - 30th Nov 19

Eligibility:
 Academician: Lecturers and Professors in any discipline from the engineering institutions
 Industry personnel
 Research Scholars

Registration Fee: Free

Selection will be based on first come first served basis subject to a maximum of 40 participants

Accommodation: Twin/Three sharing accommodation will be provided for outstation participants on first come first serve basis.

Travelling Allowance: Travelling allowance (Sleeper class train or bus fare by shortest route) will be reimbursed to returning participants as per norms on submission of original tickets.

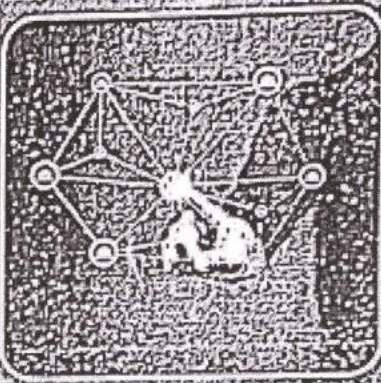
Online Registration Link:
<https://forms.gle/8R72K6EY288>

All the participants have to send scanned copies of sponsorship letter, declaration and a Demand Draft of Rs.1000/- drawn in favor of "Principal, GNITS". Payable at Hyderabad to e-mail id given below. However, DD shall be returned to the first 40 participants.


Address for all Correspondence:
 Dr. K. Ragini (Coordinator)
 Professor, ECE, GNITS, Shaikpet, Hyderabad-104
 Mobile: 9849627161 / 9966437806
 E-mail: gnits@gnits.ac.in

A CJE Sponsored Short Term Training Program (STTP)

Embedded Systems in Internet of Things (IoT)
 (25th to 30th Nov, 2019)




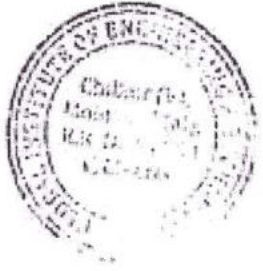
Organized by
 DEPT. OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
 G. NARAYANAMMA INSTITUTE OF TECHNOLOGY (SCIENCE FOR WOMEN)
 (Autonomous)
 Shaikpet, Hyderabad - 500 104



www.gnits.ac.in

14/11/2019

K.R. Ragini
 PRINCIPAL
 G. Narayanamma Institute of Technology & Science (for women) (AUTONOMOUS)
 Shaikpet, Hyderabad - 500 104.

K.R. Ragini
 PRINCIPAL
 G. Narayanamma Institute of Technology & Science (for women) (AUTONOMOUS)
 Shaikpet, Hyderabad - 500 104.

A One Week AICTE Sponsored STTP on "Embedded Systems in IOT" (25-11-19 to 30-11-19)

S.No/Date	9.00 AM to 10.30 AM Session - I	10.30 AM to 10.45 AM	10.45 AM to 12.15 PM Session - II	12.15 PM to 1.00 PM	1.00 PM to 2.30 PM Session - III	2.30 PM to 2.45 PM	2.45 PM to 4.15 PM Session - IV
25-11-2019 (DAY-1)	Registration & Inaugural	Introduction to Internet of Things(IOT)	Deep drive into IoT Technology Stack	Physical Electronic Devices - Smart Devices	Introduction and Demo on ARM based IoTs by CDAC; UbiMote in Linux Environment	Dr.P.S.Sai Krishna,IIT-T	Dr.P.S.Sai Krishna,IIT-T
	Dr.P.S.Sai Krishna,IIT-T						
26-11-2019 (DAY-2)	Communication Technologies for IoT Short Range & Long range Communication technologies System on Chips & Wireless Radios	Introduction to Industrial Internet of Things (IIOT)	Introduction to IoT Gateways Edge Computing	Introduction to ARM based IoTs by CDAC; WiFi and BLE Modules	Demo on ARM based IoTs by CDAC	Dr.P.S.Sai Krishna,IIT-T	Dr.P.S.Sai Krishna,IIT-T
	Dr.Sachin Chowdhary,IITH						
27-11-2019 (DAY-3)	Introduction to Edge/Fog Computing	Sri P.V.S.MaruthiRao, Founder Director, Valcentum R&D Pvt.Ltd	API & Device Management	Implementing IoT Platform SDK's in Embedded Devices	Hands-on practicals	T E A	Hands-on practicals
	Dr.P.S.Sai Krishna,IIT-T						
28-11-2019 (DAY-4)	Introduction to IoT Platforms	Mr.Amarender K Director,CEO,Smart Bridge	Wireless Sensor Networks for IoT Applications	Embedded System for WSN nodes	Analytics at IoT Platform	B R E A K	Smart Bridge
	Mr.Amarender K Director,CEO,Smart Bridge						
29-11-2019 (DAY-5)	Protocol Stack of IEEE802.15.4& IEEE802.15.11 for PANS	Mr.G. Sudhicer ,Technical Manager, Votary Tech	Embedded IoT Security	Surya Teja M, Sr.IOT Developer, Smart Bridge	Energy Harvesting Principle for WSN Self Healing Properties	Surya Teja M, Sr.IOT Developer, Smart Bridge	Surya Teja M, Sr.IOT Developer, Smart Bridge
	Mr.G. Sudhicer ,Technical Manager, Votary Tech						
30-11-2019 (DAY-6)	Introduction to IoT Security	Mr.Veerababu P,Quality Security Engineer,Creston S/W	Examination based on EMBEDDED SYSTEMS IN IOT	Examination based on EMBEDDED SYSTEMS IN IOT	Examination based on EMBEDDED SYSTEMS IN IOT	Valedictory Session	Valedictory Session
	Mr.Veerababu P,Quality Security Engineer,Creston S/W						

PRINCIPAL

G. Narayanamma Institute of Technology & Science (for women) (AUTONOMOUS) Shaikpet, Hyderabad - 500 104

G. Narayanamma Institute of Technology & Science (for women) (AUTONOMOUS) Shaikpet, Hyderabad - 500 104.

Dr.B.Venkateshula Professor & HOD-ECE STTP Convener