



**G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(For Women)**

AUTONOMOUS

Shaikpet, Hyderabad – 500104

Department of ECE

**Faculty Development Program on “Embedded Systems in Internet of Things”
25th November to 30th November 2019**

S.No	Name of the document	Status
1.	Proposal by the Coordinator/Convenor to Principal along with budget, and permission for the venue.	Yes
2.	Invitation to the resource person	Yes
3.	Acceptance along with the bio-data	NA
4.	Poster/brochure/Banner (Not photo)	Yes
5.	Programme schedule	Yes
6.	Circular	NA
7.	Registration/Attendance of the participants	Yes
8.	Certificates (sample)	Yes
9.	All participants filled Feedback, analysis – action	Yes
10.	Resource person filled Feedback – plan of action	NA
11.	One page photos with atleast 6 with description as per the format	Yes
12.	Budget utilisation sheet	Yes
13.	Press note/Newspaper publication	NA
14.	Single page report as per the format	Yes

Workshop Coordinator

PRINCIPAL

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

Dept HOD

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)
 Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



STTP- Sanction Letter

To

The Drawing and Disbursing Officer,
 All India Council for Technical Education,
 Nelson Mandela Marg,
 Vasant Kunj,
 New Delhi - 110070

Sub: Release of a sum of Rs. 369000/- for conduct of Short Term Training Programme (STTP) during the financial year 2019-20 - reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 369000/- (Rupees Three Lakh Sixty Nine Thousand only) for conduct of STTP on **Embedded Systems In Internet of Things** to **G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE, FOR WOMEN HYDERABAD** Pin No - 500008 Telangana, under the Scheme of Short Term Training Programme.

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
3. The sanctioned amount is debitable to the Major Head 602.13(a) Gen. of the Scheme of Short Term Training Programme and is valid for payment during the financial year 2019-20.

The Instructions/guidelines to be followed by University/Institution

I. Release of funds and maintenance of accounts

- a. The Principal of the Institute and the Coordinator of the program are requested to verify the correctness of the under mentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:-

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATG2 792F	STATE BANK OF INDIA	RAIDURG	R.R.DIST, HYDERABAD	GNITS	Saving Bank	6208061 0680	SBIN 0020 540

In case of any omission the same should be reported to AICTE immediately:-

- b. The Institute shall strictly follow the provisions laid down in the scheme document and sanction order no. F.No. 34-561 /RIFD/STTP/Policy-1/2017-18 dated 16.5.2018 issued by this office
- c. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- d. The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- e. The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including outstations resource persons & working expenses (reprographic services, postage, telephone etc.)

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 Shaikpet, Hyderabad - 500 104

daily wages, tea/coffee etc.

- I. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

II. Disbursement of funds to University/Institutions

- a. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- c. The above said amount of grant shall be released on the basis of the Letter of Approval (LOA) issued by AICTE to the Institute for the academic year 2019-20

III. Conduct of test and issuance of certificate

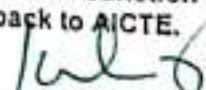
A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test.

IV. Submission of documents by University/Institution

- a. The following mandatory relevant documents are required to be submitted by the university/Institution within one month of the completion of the program:
 - (i) Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Photocopies of formats are enclosed.
 - The university/institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.
 - (ii) Feedback form in the prescribed proforma.
 - (iii) Copy of the proceedings and completion report.
 - (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Evaluation Committee (PEC).
 - (v) Report submitted by Program Evaluation Committee (PEC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents/the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.
- c. The university/institution is expected to submit the above said mandatory documents viz. Utilization Certificate, Expenditure Statement and feedback form etc within one month of conduct of STTP. However, delay of further 2 months may be condoned by AICTE in special circumstances as explained by the institute. Delay in submission of documents after three months of the conduct of STTP shall invite a penalty of 10% of the total sanctioned amount of the STTP, to be recovered from the University/Institute. The entire amount of grant already released, along with interest accrued thereon, shall be refunded to AICTE if mandatory documents are not submitted by the University/Institute beyond one year.

V. General Instructions

- a. Preferably 10% of the participants may be industry professionals deputed by Industry. Further, not more than 20% participants shall be from the host institution/group of Institutions.
- b. Interest, accrued on the grant released shall be refunded back to AICTE.
- c. If programme is not conducted in the period of nine months of the issuance of this Sanction Order, the released amount, along with interest accrued thereon, has to be returned back to AICTE.


PRINCIPAL
 G. Narayananamma Institute of
 Technology & Science (for women)
 (AUTONOMOUS)
 Shikpet, Hyderabad - 500 104

- d. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.
- e. Any extra money required to complete the programme must be borne by the Institute from their own resources. But the quality of the activities should not be compromised.
- f. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within nine months from the date of release of funds.
- g. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-56/ /RIFD/STTP/Policy-1/2017-18 in your future correspondence.
- h. Program Evaluation Committee (PEC) is required to be constituted at institutional level. The constitution of the PEC shall be as under:
 - (i) Principal/Director/Registrar of the Institution (Chairperson)
 - (ii) Coordinator of the program (Member Secretary).
 - (iii) Two HoDs and one subject expert (members).
 The members of the said PEC shall not be below the rank of Associate Professor. A test shall be conducted by Program Evaluation Committee (PEC) at the end of the program and the certificates shall be issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PEC report, are to be submitted to the Council at end of the program along with other mandatory documents.
- i. GoI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- j. This Sanction Order may be treated as Offer Letter for all purposes.

Yours sincerely,

(Dileep N. Makhade)
Advisor-I (RIFO)

Copy forwarded for information and necessary action to:-

1. Name and Address of the Coordinator

Dr. RAGINI KANCHIMI REDDY
G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE, FOR WOMEN
SHAIKPET, HYDERABAD - 500 008, HYDERABAD
HYDERABAD- 500008

2. The Registrar / Director / Principal

Dr.K.Ramesh Reddy
G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE, FOR WOMEN
SHAIKPET, HYDERABAD - 500 008, HYDERABAD
HYDERABAD- 500008

3. Guard File



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



**G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(For Women)**



(UGC Autonomous)

Approved by AICTE, New Delhi & Affiliated to JNTUH,
Accredited by NBA & NAAC, An ISO 9001:2015 Certified Institution,
Shaikpet, Hyderabad - 500104

**One Week AICTE Sponsored Short Term Training Programme (STTP) on
"Embedded Systems in Internet of Things (IoT)"
(25th - 30th November 2019)**

20th January 2020

From

**Dr.K.Ragini, Professor-ECE
Coordinator,
G.Narayananamma Institute of Technology & Science (for women) (Autonomous),
Shaikpet, Hyderabad, Telangana-500104.**

To

**Prof.Dileep N Malkhede
Advisor-1,RIFD,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj,
New Delhi-110070**

Sir,

Sub: Submission of Mandatory documents after the completion of STTP-Reg.

Ref: F.No.34-56/78/RIFD/STTP/Policy-1/2017-18 dated 10-05-2019

**Greetings from G.Narayananamma Institute of Technology & Science (for women)
(Autonomous),Shaikpet,Hyderabad, Telangana-500104.**

I am Dr.K.Ragini, Coordinator of Short Term Training Program on "Embedded Systems in Internet of Things (IoT)" and F.No.34-56/78/RIFD/STTP/Policy-1/2017-18.

First, let me take this opportunity to thank AICTE for providing generous financial support to organize STTP at our college. We are proud and happy to have hosted the one week STTP on "Embedded Systems in Internet of Things (IoT)" from 25th - 30th November 2019.

The following mandatory documents are sent along with this for your perusal and necessary action.

1. Original statement of actual expenditure and Utilization Certificate.
2. Consolidated feedback along with the original feedback forms given by the participants.
3. Copy of the proceedings & STTP Completion Report.
4. List of the Participants qualified in the assessment test.
5. Program Evaluation Committee Report

Thanking You.

**Yours sincerely
(Dr.K.Ragini)
STTP-Coordinator**

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

(2) Dt: 11-11-19
Hyderabad.

To

Mr.Veerababu P,
Quality Security Engineer,
Creston S/W ,
Bengaluru.

Respected Sir,

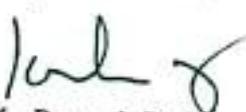
Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS, Hyderabad.

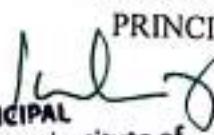
The G. Narayananamma Institute of Technology & Science is organizing a One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" being organized during 25th Nov to 30th Nov'2019.

We earnestly request you to be the Resource Person for the following sessions on 30/11/2019.

S.No.	Date	Time	Session	Topic
1.	30/11/2019	09:15 AM-10:30 AM	Session - I	Introduction to IoT Security Practical Attacks, Threats and Risks Best Practices for IoT Security
2.	30/11/2019	10:45 AM-12:15 PM	Session - 2	Embedded IoT Security, Firmware level threats IoT Penetration Testing, Exploit UART, SPI, I2C BLE Implement Security Measures in Embedded Devices Hands-on Practicals, Network Sniffing & Exploitation Device Intrusion Exploitation, Analyze Security of MQTT & CoAP protocols.

We would be grateful to you for sparing your valuable time to make our program a grand success.
Thanking you Sir.


Dr. K. Ramesh Reddy
PRINCIPAL, GNITS


PRINCIPAL
G. Narayananamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shakpet, Hyderabad - 500 104.

Dt: 11-11-19
Hyderabad.

To

N.Venkatesh,
Sr.Vice President,
Redpine signals,
Hyderabad.

Respected Sir,

Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Trainig Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS,Hyderabad.

The G. Narayananamma Institute of Technology & Science is organizing a One week AICTE Sponsored Short Term Trainig Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" being organized during 25th Nov to 30th Nov'2019.

We earnestly request you to be the Resource Person for the following session on 29/11/2019.

S.No.	Date	Time	Session	Topic
1.	29/11/2019	10:45 AM – 12:15 PM	Session – 2	Wireless Sensor Networks for IoT Applications WSN Components – Nodes, Routers, Gateways WSN Topologies <ul style="list-style-type: none">• Star Topology• P2P or Mesh Topology• Tree Topology

We would be grateful to you for sparing your valuable time to make our program a grand success.
Thanking you Sir.

Dr. K. Ramesh Reddy
PRINCIPAL, GNITS

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

Dt: 11-11-19
Hyderabad.

To
P.V.S.Maruthi Rao,
Founder Director,
Videcentum R&D Pvt.Ltd.,
Hyderabad.

Respected Sir,

Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS, Hyderabad.

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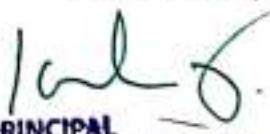
We earnestly request you to be the Resource Person for the following session on 27/11/2019.

S.No.	Date	Time	Session	Topic
1.	27/11/2019	10:45 AM – 12:15 PM	Session - 2	IOT Gateways Edge Computing

We would be grateful to you for sparing your valuable time to make our program a grand success.

Thanking you Sir.


Dr. K. Ramesh Reddy
PRINCIPAL, GNITS


PRINCIPAL
G. Narayananamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Chakpet Hyderabad - 500 111

Dt: 11-11-19
Hyderabad.

To
Pradeepthi D,
Sr.IOT Developer,
Smart Bridge,
Hyderabad.

Respected Madam,

Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS, Hyderabad.

The G. Narayananamma Institute of Technology & Science is organizing a One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" being organized during 25th Nov to 30th Nov'2019.

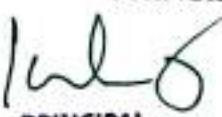
We earnestly request you to be the Resource Person for the following sessions on 28/11/2019.

S.No.	Date	Time	Session	Topic
1.	28/11/2019	01:00 PM – 02:30 PM	Session - 3	Implementing IoT Platform SDK's in Embedded Devices Edge Agents at Embedded Gateways Authentication & Authorization policies
2.	28/11/2019	02:45 PM – 04:15 PM	Session - 4	Analytics at IoT Platform Real-Time Stream Analytics Predictive Analytics Hands-on Practicals, Device to Platform

We would be grateful to you for sparing your valuable time to make our program a grand success.

Thanking you Sir.


Dr. K. Ramesh Reddy
PRINCIPAL, GNITS


PRINCIPAL
G. Narayananamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shalikpet, Hyderabad - 500 104.

Dt: 11-11-19
Hyderabad.

To
Mr.Amarender K,
Director,CEO,
Smart Bridge,
Hyderabad.

Respected Sir,

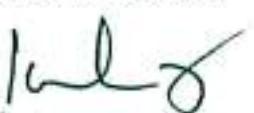
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The G. Narayananamma Institute of Technology & Science is organizing a One week AICTE Sponsored Short Term Trainig Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" being organized during 25th Nov to 30th Nov'2019.

We earnestly request you to be the Resource Person for the following sessions on 28/11/2019 .

S.No.	Date	Time	Session	Topic
1.	28/11/2019	09:15 AM – 10:30 AM	Session - 1	Introduction to IoT Platforms IoT Platform Architecture Characteristics of an IoT Platform
2.	28/11/2019	10:45 AM – 12:15 PM	Session - 2	API & Device Management Data Storage, NoSQL Databases ,Rules Engine Data Visualization

We would be grateful to you for sparing your valuable time to make our program a grand success.
Thanking you Sir.


Dr. K. Ramesh Reddy
PRINCIPAL, GNITS


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

Dt: 11-11-19
Hyderabad.

To
Abhishek GD,
Cloud Developer,
Smart Bridge,
Hyderabad.

Respected Sir,

Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS, Hyderabad.

The G. Narayananamma Institute of Technology & Science is organizing a One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" being organized during 25th Nov to 30th Nov'2019.

We earnestly request you to be the Resource Person for the following sessions on 27/11/2019.

S.No.	Date	Time	Session	Topic
1.	27/11/2019	01:00 PM – 02:30 PM	Session - 3	Communication Protocols for Data Exchange in IoT :HTTP, HTTPS, MQTT, AMQP, WebSocket, CoAP
2.	27/11/2019	02:45 PM – 04:15 PM	Session - 4	Hands-on practicals Implement HTTP, MQTT and CoAP communication for data exchange

We would be grateful to you for sparing your valuable time to make our program a grand success.

Thanking you Sir.


Dr. K. Ramesh Reddy
PRINCIPAL, GNITS



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

Dt: 11-11-19
Hyderabad.

To
G.Sudheer,
Technical Manager,
Votary Softech Solutions Pvt. Ltd.,
Hyderabad.

Respected Sir,

Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS, Hyderabad.

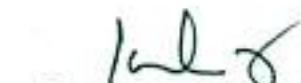
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We earnestly request you to be the Resource Person for the following session on 29/11/2019.

S.No.	Date	Time	Session	Topic
1.	29/11/2019	09:15 AM – 10:30 AM	Session - 1	Protocol Stack of IEEE802.15.4 for Low Power Wireless Personal Area Networks Protocol Stack of IEEE802.15.11 for Wireless Personal Area Networks Bluetooth Low Energy Networks LoRaWAN Communication

We would be grateful to you for sparing your valuable time to make our program a grand success.

Thanking you Sir.


Dr. K. Ramesh Reddy
PRINCIPAL, GNITS


PRINCIPAL
G. Narayananamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shankpet, Hyderabad - 500 104.

Dt: 11-11-19
Hyderabad,

To

Dr.Sachin Chowdary,
Assistant Professor,
Ph.D (Aalto University, Finland),
International Institute of Information Technology,
Gachibowli,
Hyderabad - 500 032.

Respected Sir,

Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS, Hyderabad.

The G. Narayananamma Institute of Technology & Science is organizing a One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" being organized during 25th Nov to 30th Nov'2019.

We earnestly request you to be the Resource Person for the following session on 26/11/2019 .

S.No.	Date	Time	Session	Topic
1.	26/11/2019	09:15 AM – 10:30 AM	Session - 1	Communication Technologies for IoT Implementation Short Range & Long Range Communication technologies System on Chips & Wireless Radios

We would be grateful to you for sparing your valuable time to make our program a grand success.
Thanking you Sir.


Dr. K. Ramesh Reddy
PRINCIPAL, GNITS


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

Dt: 11-11-19
Hyderabad.

To

Dr.P.S.Sai Krishna,

Asst Professor,

EEE Dept,

IIT Tirupathi.

Respected Sir,

Sub: Request to be the Resource Person for the One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" organized by GNITS, Hyderabad.

The G. Narayananamma Institute of Technology & Science is organizing a One week AICTE Sponsored Short Term Training Programme (STTP) on "Embedded Systems in Internet of Things (IOT)" being organized during 25th Nov to 30th Nov'2019.

We earnestly request you to be the Resource Person for the following sessions on 25/11/2019 , 26/11/2019 and 27/11/2019.

S.No.	Date	Time	Session	Topic
1.	25/11/2019	09:15 AM – 10:30 AM	Session - 1	Introduction to Internet of Things (IoT) Internet of Things Architecture, Applications of IoT in various business sectors Latest innovations & products
2.	25/11/2019	10:45 AM – 12:15 PM	Session - 2	Deep dive into IoT Technology Stack IoT Design Methodology – Practical Approach Prototyping to Product development
3.	25/11/2019	01:00 PM – 02:30 PM	Session - 3	Physical Electronic Devices-Smart Devices Role of Embedded Systems in building IoT Solutions Emerging trends in embedded Systems Smart Sensors for Internet of Things
4	25/11/2019	02:45 PM – 04:15 PM	Session - 4	Introduction and Demo on ARM based IoTs by CDAC: UbilMote in Linux Environment
5	26/11/2019	10:45 AM – 12:15 PM	Session - 2	Introduction to Industrial Internet of Things (IIOT) Smart Industry 4.0, Applications of IIOT Software & Hardware systems in IIOT, Industrial IoT Gateways and their Architecture
6	26/11/2019	01:00 PM – 2:30 PM	Session - 3	Introduction to ARM based IoTs by CDAC: WiFi and BLE Motes
7	26/11/2019	02:45 PM – 04:15 PM	Session - 4	Demo on ARM based IoTs by CDAC: WiFi mote and BLE Mote in a Windows environment
8	27/11/2019	09:15 AM – 10:30 AM	Session - 1	Introduction to Edge/Fog Computing. Case study of Mobile Robot applications using Fog Computing

We would be grateful to you for sparing your valuable time to make our program a grand success.

Thanking you Sir.


Dr. K. Ramesh Reddy

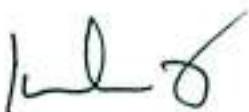
PRINCIPAL, GNITS

G. Narayananamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 004.

**AICTE Sponsored Short Term Training Programme
on
"EMBEDDED SYSTEMS in IoT"**

List of Resource Persons

S.No	Name of the Resource Person	Designation and Address	Contact Details
1.	Dr. P. S. Sai Krishna	Assistant Professor, Electrical Engineering Dept., IIT- Tirupathi, A.P.	paskrishna@iittp.ac.in Phone: 08772503261
2.	Dr. Sachin Chaudhari	Assistant Professor, SPCRC, IIIT-Hyderabad, Telangana	Sachin.chaudhari@iiit.ac.in Phone: 040 66531363
3.	Sri P.V.S Maruthi Rao	Founder Director, Videcentum R&D Pvt.Ltd., Hyderabad, Telangana	maruthi@vidcentum.com Phone: 9052512020
4.	Mr. Amarender Katakam	Director, CEO, Smart Bridge Educational Services Pvt.Ltd., Hyderabad, Telangana	amar@thesmartbridge.com Phone: 08772503261
5.	Mr. G. Sudheer	Technical manager, Votary Tech, Hyderabad, Telangana	gsudheerg@gmail.com Phone: 08772503261
6.	Sri N. Venkatesh	Sr. Vice President, Redpine Signals, Hyderabad, Telangana	nvenkatesh@ieee.org Phone: 9849456036
7.	Mr. P. Veerababu	Quality Security Engineer, Creston S/W, Bangalore, Karnataka	Veeru.rockstar249@gmail.com Phone: 8073646264
8.	M/S D. Pradeepthi	Sr. IoT Engineer, SmartBridge Educational Services Pvt.Ltd., Hyderabad,Telangana	pradeepthi@thesmartbridge.com Phone: 9000328122
9.	Dr.K.Ragini	Professor, Dept. of ECE, GNITS, Hyderabad, Telangana	Ragini_kanchimi@yahoo.co.in Phone: 9849627161
10.	Mr.P. Chandra Sekhar	Assistant Professor, Dept. of ECE, GNITS, Hyderabad, Telangana	chandrasekharpaseddula@email.com Phone:8106909759


K. Ragini
 Dr.K.Ragini
 Coordinator, STTP
 Professor, Dept.of ECE
 GNITS

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- 2) Dr. Sachin Chaudhari, Asst. Professor, Signal Processing and Communications Research Center (SPCRC), IIIT - H



Qualifications:

- B.E.(Electronics) from Visvesvaraya National Institute of Technology, Nagpur, India in 2002
- M.E. (Telecommunication) from Indian Institute of Science, Bangalore, India in 2004.
- During 2007-2012, he has done PhD at Department of Signal Processing and Acoustics, Aalto University (formerly Helsinki University of Technology (TKK)).
Department of Signal Processing and Acoustics at Aalto is part of SMARAD (Smart and Novel Radios Research Unit) Center of Excellence in Research nominated by Academy of Finland.
During 2008-2010, my research was part of EU FP7 project called Sensor Networks for Dynamic and cognitive Radio Access (*SENDORA*).
- Between 2013-2014, he has done post-doctoral research at Aalto University where he worked on the Phase 2 of a Tekes (Finnish funding agency) funded project called Enabling Methods for Dynamic Spectrum Access and Cognitive Radios (*ENCOR 2*).

Work Experience:

- During 2004-2007, he worked at Esqube Communications, Bangalore which was a start-up by IISc Professors, as a Senior Wireless Communications Engineer.
At Esqube, he worked on development and implementation of wireless systems such as WLAN, WiMAX, and TDD-SCDMA.
- Since December 2014, he was working as an Assistant Professor at IIIT-Hyderabad.

Research interests: Signal Processing for Wireless Communication

In particular, physical layer aspects of

- Next-generation wireless communication systems (5G)
- Internet of Things (IoT)
- Cognitive Radios

A handwritten signature in black ink, appearing to read "Sachin Chaudhari".

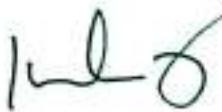
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Research Grants:

- PI, "IoT Enabled Smart Cities: Pollution, Health and Governance", IIIT-Hyderabad for 08/2019 - 07/2020, PRIF funding for social impact research
- Coordinator, Center of Excellence on IoT, IIIT-Hyderabad for 11/2018 - 10/2019 (India-EU collaboration on ICT standardization)
- PI, Early Career Research Award, SERB, DST, India on 5G research for 6/2016-5/2019 (3 years)
- Participant, Aalto-IIITI Cooperation for the skill developments of IoT based implementation for 9/2016-8/2018 (CIMO mobility grant for 2 years)

Master's Thesis Guided:

- Anish Shastri, *Data Reduction For IoT Networks: Algorithms and Implementation*, June 2019. (MS by Research student at IIIT-H)
- UpenderKeesara, *Spectrum Sensing of FBMC Signals in 5G and Cognitive Radios*, July 2018. (MS by Research student at IIIT-H)
- Prakash Gohain, *Dempster-Shafer Theory Based Cooperative Energy Detection Under Noise Uncertainties In Cognitive Radio Networks*, December 2017. (MS by Research student at IIIT-H)
- Aditi Jhingran, *Physical layer signal processing for 5G - FBMC*, May 2016. (MTech student of VIT-Vellore did her Thesis at IIIT-H)
- C. Ramanathan, *Spatial Interpolation of Field Measurements for Cognitive Radio Networks*, April 2016. (M.Tech student of Sastra University-Thanjavur did his Thesis at IIIT-H)
- Irene Rognoni, *Geostatistics in Cognitive Radios*, Aalto University, Finland, October 2014. (Co-instructed the MS student with Jan Oksanen, Guide: Prof. Visa Koivunen)
- JoonaJantti, *Spectrum Sensing and Waveform Classification Using Cepstral Analysis*, Aalto University, Finland, June 2014. (instructed the MS student, Guide: Prof. Visa Koivunen)



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3) P.V.S.Maruthi Rao, Founder & CEO of Vidcentum



Education details:

M.Tech in Computer Applications in Industrial Drives –University of Mysore during 1995-1997

Work Experience:

20+ years of diversified experience in development of infrastructure software and systems for Telecom, IoT and Web Applications, leading engineering teams, managing startups, technology and business management.

Companies work for:

- He is a Founder Director of Farout Technologies Pvt Ltd - an End-to-End Data Management and Analytics Company.
- He is also a Founder Director of Vidcentum R&D - an Industrial Smart Asset Management Solutions Company.
- Prior to founding VidcentumR&D and Farout Technologies, he worked in Airvana Networks, Telsima Communications, Satyam Computer Services.

Academic Engagement:

- He taught Data Mining to Masters students of BITS Pilani Work Integrated Learning Programmes in Hyderabad.
- He mentored a group of Engineering students on software engineering and protocol stack development.

Professional Engagement and Volunteering:

- He is a Senior Member of IEEE and an active volunteer of IEEE. He served as Secretary, Treasurer, Chairman Computer Society Chapter, Vice Chair and Chairman of IEEE Hyderabad Section.
- He involved in development of IEEE 1451-99 Standard for Harmonization of Internet of Things (IoT) Devices and Systems.

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4) Amarender Katkam, Founder & CEO of SmartBridge Edu. Services Pvt. Ltd.



Working Experience:

He has more than 12 years of industrial experience in industrial instrumentation & control systems with expertise in Industrial Internet of Things (IIoT), Industrial Networks, Data driven intelligent systems, Industrial Robotics. He is a solution architect and working as consultant with companies in the domains of IoT, IIoT, Artificial Intelligence, Industry 4.0.

Some of successful solutions developed & deployed:

- Asset Management & Tracking System
- Smart Water Purification & Vending Systems
- Battery Management System for Electric Vehicles
- Precision Agriculture & Farmer Recommendation System
- Predictive Maintenance System for Solar Power Plants He had received IBM Champion 2018, 2019 from IBM Global team in recognition of his contribution to enable the student community with emerging technology skills.

A handwritten signature in black ink, appearing to read "Amarender Katkam".

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5) Sudheer Gurram, Technical Project Manager at Votary Softech Solutions Pvt. Ltd.



Qualifications:

- M.Tech in Microwave and Communication Engineering, at Osmania University.
- B.Tech (ECE) at VNR Vignanayothi Institute of Engineering & Technology

Work Experience:

- Since 2017, He has been working as Technical Project manager at Votary Softech Solutions Pvt.Ltd
- Technical Lead at Msys Technologies for 1 year 2 months
- Graphics Software Engineer at Intel Corporation for 4 years 3 months
- Software Engineer at Insyde Mobile Technologies for 4 years
- Associate Software Engineer at BlueAlly (Previously VisualSoft) for 2 years

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6) N.Venkatesh, Vice President, Redpine Signals

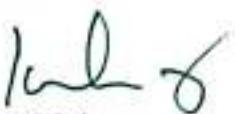


Qualifications:

- M.Tech in Electrical Engineering from the Indian Institute of Technology, Madras, India.

Work Experience:

- He has over 28 years of engineering and management experience in wireless system design, telecommunications, optical networking and avionics.
- He is a wireless specialist with responsibilities include leading the development of wireless systems at Redpine's development center in Hyderabad, and their application in diverse industry areas. His current focus is on wireless connectivity in the Internet of Things.
- Prior to joining Redpine Signals, he was General Manager at Paxonet Communications.
- Prior to that, he was Deputy Manager in the avionics research unit of Hindustan Aeronautics Ltd.
- He holds 21 US patents, and has contributed to IEEE standards development and has written numerous articles in technical journals.
- He is a Fellow of the Indian National Academy of Engineering and a recipient of the VASVIK Award for Industrial Research in 2011.



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7) P. Veerababu, IoT Penetration Tester, Bengaluru, Karnataka, India



He is currently working on

- IoT exploitation and SDR and various frequencies
- IoT gadgets (Raspberry pi, arduino, sdr, jtags, serial adapters, etc).
- Firmware analysis And Reverse Engineering
- Hardware hacking and reverse engineering
- Experience on conducting VAPT on Network and Web Applications , Mobile
- Python Scripting
- CTF Walk through and Playing
- Delivering the Knowledge Sharing sessions in Open Security Communities
- OTA security checking and IoT Protocol pen-testing

Work Experience:

Quality engineer – Security since Feb 2019

Consultant at Aujas for 9 months

Security Consultant at ISEURION for 1 year 1 month

Independent Security consultant

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8) M/s D. Pradeepthi, Sr. IoT Engineer

Profile:

Working as Sr. IoT Engineer with Smart Bridge Educational Services Pvt. Ltd for last four years. Developed few Real time IoT applications which are collaborated with different IoT services in Cloud platforms like IBM Watson, Amazon web Services, and Firebase and those applications lies in consumer and industrial sectors. Trained more than 4500+ students on Internet of Things during their Internships, Hackathons and Workshop programs with us.

Academic Qualifications:

Bachelor of Technology in Electronics and Communication Engineering from Annamacharya Institute of Engineering & Technology, Hyderabad, 2015

Professional experience:

Project Title: Smart City Architecture based on IOT Technology environment monitoring for long range communication.

Project Title: Remote Gas Pipeline Tunnel Temperature Monitoring System using Zigbee and IBM Watson. Description: The leading engineering and system integration providers needed exactly the right solution for a challenging gas pipeline application. In the confined space of a tunnel, temperature rises easily, and the overheating could cause pipeline fractures that could lead to gas leaks or even explosions.

- Developed a hardware system using ZigBee Technology to monitor the temperature levels in the pipe line.
- Developed a web application is also build to visualize the data at all the nodes.



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9) Dr. K. Ragini, Professor, Dept. of ECE, GNITS
Coordinator, AICTE sponsored STTP on 'Embedded systems in IoT'



Qualification: Ph. D

Work Experience:

- Dr.K.Ragini, working as Professor in ECE Department of G.Narayananamma Institute of Technology & Science(For Women).
- She has 23 Years of Teaching Experience. Completed her Ph.D from JNTUH in 2013.
- As an FDP Coordinator,she had organized more than 10-workshops.
- She Received "Women Achiever" Award from Accenture on women's day 2017, 'Academic Excellence Award' in GNITS in 2007.
- Authored 2 Books: 1.Variable Threshold MOSFETS, Research India Publications
2.Variable Threshold MOSFET Applications Research India Publications.
- She has actively participated in various Research activities.
- She has published papers in 35 reputed journals.

A handwritten signature in black ink, appearing to read 'K. Ragini'.

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10) Mr. P. Chandra Sekhar, Asst. Professor, Dept. of ECE, GNITS



He completed his Bachelor of engineering degree in Electronics and Communication Engineering from R.G.M.C.E.T Engineering College, Nandyala, AndhraPradesh and received B.Techdegree in the year 2005 from JNTU University, Hyderabad, Telangana. He received Master ofEngineering degree in the year 2009 from JNTU University Anantapur, AndhraPradesh. Pursuing his Ph.Dat International Institute of Information Technology, Hyderabad. Currently, he is working as an AssistantProfessor in the department of Electronics and Communication Engineering, G. Narayananamma Institute ofTechnology and science for women's, Shaikpet, Hyderabad, Telangana. He has authored over 6 researchpapers in refereed journals and conferences proceedings. He attended various international conferences andpresented technical papers. He is achieved "VISVESVARAYA PhD SCHEME FOR ELECTRONICS AND IT"scholarship in 2016. He is recognized as the professional member of ISCA. His research interests areAudio/Speech processing, Embedded Systems & IoT and working on projects of reputed organizations.



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BRIEF BIO-DATA OF SPEAKERS & COORDINATORS

- 1) Dr.P.S.Sai Krishna, Assistant Professor, Electrical Engineering Dept., IIT-T



Qualifications:

- Ph.D. in Systems and Control from the Department of Electrical Engineering, IIT Madras.
- M.Tech in Measurement and Instrumentation from IIT Roorkee.

Work Experience:

- He is currently working at IIT Tirupati as an Assistant Professor in the Department of Electrical Engineering.
- He has over 6 years of experience in Industry with significant time in ABB Ltd (Bangalore) as a Design Engineer (Control Systems).
- He also has around 5 years of teaching experience which includes experience at BITS Pilani (Hyd. Campus) and IIT Tirupati.

Areas of Research Interest:

- Distributed Control Of Large-Scale Systems,
- Autonomic Cloud computing and
- Development of low-cost training simulators for process plants.

Publications:

- P. S. Saikrishna; R.Pasumarthy; N.P.Bhatt, Identification and Multivariable Gain-Scheduling Control for Cloud Computing Systems, IEEE Transactions on Control Systems Technology, 10.1109/TCST.2016.2580659, 2017
- P. S. Saikrishna; R. Pasumarthy "Multi-objective switching controller for Cloud computing systems" in IFAC Journal of Control Engineering Practice vol.57, pp.72-83, 2016
- P.S. Saikrishna, D Singh, RamkrishnaPasumarthy, "Perspectives of Data-driven LPV modeling of Cloud Computing systems" in Proc. The 55th IEEE Conference on Decision and Control (CDC), pp. 1669-1674, Las Vegas, USA, December 2016.
- P.S. Saikrishna, AddarshChandrasekar, and RamkrishnaPasumarthy. "Performance guarantees via pole placement for a Web-server hosted on a private cloud", in Proc. Control Conference (ECC), 2015 European, pp. 854-859, IEEE, July 2015.
- P.S. Saikrishna, Nirav P Bhatt and R. Pasumarthy, "An LPV Approach to Performance Modelling of a Web-Server on a Private Cloud", in Proc. American Control. Conf., Chicago, USA, pp.1519 -1524, IEEE, June 2015.

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IoT

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About the Institute

G. Narayanaamma 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 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.

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: Ubimote 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

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-STTP

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.

FUTURE

Chief Patrons:

Sri. P. Subba Reddy, Chairman

Smt. G. Srividya Reddy, Vice Chairman
Chairman:

Dr. K. Ramesh Reddy, Principal
Organizing Committee:
Convenor:

Dr. B. Venkateshulu, Professor, HOD-ECE
Coordinator:

Dr. K. Ragini, Professor, ECE
Co-coordinators:

Mrs. A. Deepthi, Asst. Professor, ECE
Mrs. T. Srilatha, Asst. Professor, ECE
Mrs. G. Madhavi, Asst. Professor, ECE
Sponsorship Certificate

Certified that
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. Hershe 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 Coordinators sufficiently in advance (one week before), in case if I am unable to attend the course.

Place:

Date:

Signature of the applicant
Name of the applicant: Practical Hands on from leading industry personnel.

Signature of the applicant
Name of the applicant: G. Narayanaamma Institute of Technology & Science (for women)
(AUTONOMOUS)

PRINCIPAL
Shakarpet, Hyderabad - 500 104.

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/jh6ruJ6z2cK6zEY288>

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

PRINCIPAL
 G.Narayana IITM Institute of Technology & Science (Autonomous)
 Professor, ECE, GNITS, Shekarpet, Hyderabad, T.S.
 Mobile: 9846627161 / 9966437906
 E-mail: gnits.stttd.acad@gnitl.com

REGISTRATION FORM

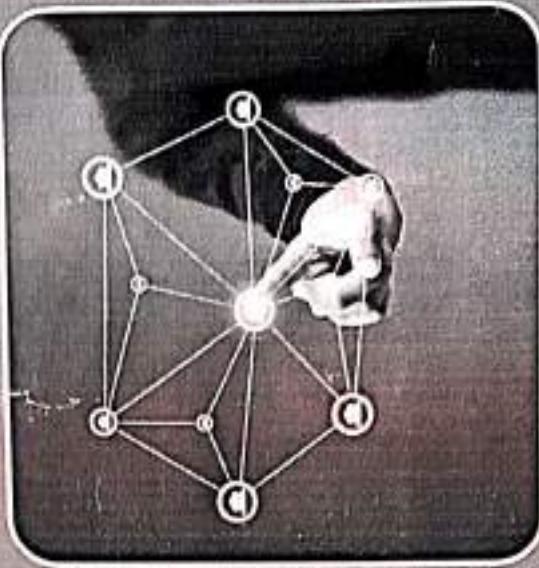
1. Name: _____
2. Date of Birth & Age: _____
3. Gender(M/F): _____
4. Qualification: _____
5. Teaching/Industry Experience: _____
6. a) Designation: _____
- b) Department: _____
7. a) Institution: _____
- b) Address of Institution: _____

c) Affiliating University: _____

8. Address for Correspondence: _____

9. Mobile No.: _____

10. E-mail Id: _____



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 (Autonomous)

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 G.Narayana IITM Institute of Technology & Science (Autonomous)
 Professor, Embedded Systems, Shekarpet, Hyderabad, T.S.
 Mobile: 9846627161 / 9966437906
 E-mail: gnits.stttd.acad@gnitl.com

A One Week AlCTE 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 Session – II	10.45 AM to 12.15 PM Session – III	12.15 PM to 1.00 PM	1.00 PM to 2.30 PM Session – IV	2.30 PM to 2.45 PM	2.45 PM to 4.15 PM Session - V
25-11-2019 (DAY-1)	Registration & Inaugural Dr.P.Sai Krishna,IIIT-T	Introduction to Internet of Things(IoT) Dr.P.Sai Krishna,IIIT-T	Deep drive into IoT Technology Stack Dr.P.S.Sai Krishna,IIIT-T	Physical Electronic Devices - Smart Devices Dr.P.S.Sai Krishna,IIIT-T	Introduction and Demo on ARM based IoTs by CDAC: UtiliMote in Linux Environment Dr.P.S.Sai Krishna,IIIT-T		
26-11-2019 (DAY-2)	Communication Technologies for IoT Short Range & Long range Communication technologies System on Chips & Wireless Radios Dr.Sachin Chowdary,IIITH	Introduction to Industrial Internet of Things (IIOT) Dr.P.S.Sai Krishna,IIIT-T	Introduction to ARM based IoTs by CDAC: WiFi and BLE Motes Dr.P.S.Sai Krishna,IIIT-T	Communication Protocols for Data Exchange in IoT Dr.P.S.Sai Krishna,IIIT-T	Hands-on practicals Dr.P.S.Sai Krishna,IIIT-T		
27-11-2019 (DAY-3)	Introduction to Edge/Fog Computing Dr.P.S.Sai Krishna,IIIT-T	IOT Gateways Edge Computing Sri P.V.S.ManoharRao,Founder Director,Vidcentum R&D Pvt.Ltd	Implementing IoT Platform SDK's in Embedded Devices Pradeep D,Sr.IOT Developer,Smart Bridge	Abhishek GD,Cloud Developer, Smart Bridge Abhishek GD,Cloud Developer, Smart Bridge	Analytics at IoT Platform Pradeep D,Sr.IOT Developer, Smart Bridge		
28-11-2019 (DAY-4)	Introduction to IoT Platforms Mr.Amarender K,Director,CEO,Smart Bridge	API & Device Management Mr.Amarender K,Director,CEO,Smart Bridge	Protocol Stack of IEEE802.15.4& IEEE802.15.11 for PANS Mr.G.Sudheer ,Technical Manager, Volary Tech	Wireless Sensor Networks for IoT Applications Sri N.Venkatesh,Sr.Vice President,Recpine signals	Energy Harvesting Principle for WSN Self Healing Properties Surya Teja M, Sr.IOT Developer, Smart Bridge		
29-11-2019 (DAY-5)	Introduction to IoT Security Mr.Veeraababu P,Quality Security Engineer,Creston S/W	Embedded IoT Security Mr.N Venkatesh,Sr.Vice President,Recpine signals	Examination based on EMBEDDED SYSTEMS IN IOT Valedictory Session				
30-11-2019 (DAY-6)							

Dr.K.Ragini
Professor, ECE
STTP Coordinator

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

7

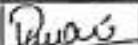
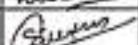
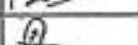
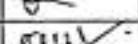
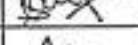
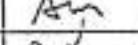
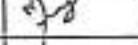
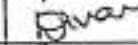
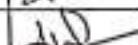


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On
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S.No	Name	Designation,	College Name	Email Id	Contact Number	Signature
1	G Ahmed Zeeshan	Asst.Prof, ECE	Global Institute of Engineering and Technology	ahmedzeeshan_eng87@yahoo.com	9959250205	
2	Nuzath Unnisa Beem	Asst.Prof, ECE	Global Institute of Engineering and Technology	nuzath.khan99@gmail.com	9640641036	
3	Sree Latha Bolisetty	Assoc.Prof, ECE	Geethanjali College of Engineering and Technology	sree.0474@gmail.com	9989432990	
4	M Laxmi	Assoc.Prof, ECE	Geethanjali College of Engineering and Technology	laxmireddy.mitta9@gmail.com	9392422999	
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7	P.Tejasvey	Asst.Prof, ECE	RGUKT IIIT,Basur	panchareddyteja@gmail.com	8555968611	
8	P.Pranaya	Asst.Prof, ECE	RGUKT IIIT,Basur	pranaya479@gmail.com	9885195066	
9	B.Neelima	Asst.Prof, ECE	RGUKT IIIT,Basur	bigalanceelima@gmail.com	9966151945	
10	K.Pithamber	Asst.Prof, ECE	SVIET	pithamberk@gmail.com	9490967918	
11	N. Chandrasekhar Reddy	Asst.Prof, ECE	SVIET	ncsr407@gmail.com	7780162874	
12	Shaik Shajahan	Asst.Prof, ECE	MTIET, Palamaner,Chittoor	go4shaj@gmail.com	9959192469	

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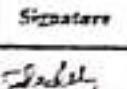
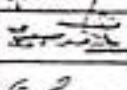
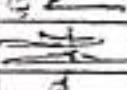
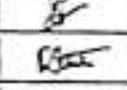
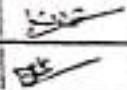
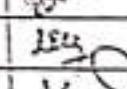
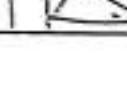
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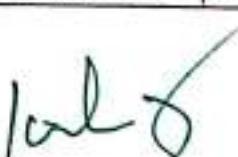
S.No	Name	Designation,	College Name	Email Id	Contact Number	Signature
13	B. Pavani	Research Scholar,ECE	University college of Engineering,Osmania University	beti.pavani@gmail.com	9177432420	
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15	Mohd. Javeed Mehdi	Asst.Prof, ECE	Gokaraju Rangaraju Institute of Engineering and Technology	mmjaveedk@gmail.com	9866150530	
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19	P.Divakara Varma	Asst.Prof, ECE	MVGR college of Engineering(A)	divakar@mvgote.edu.in	9494775728	
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21	G Vimala	Asst.Prof, ECE	Dr.K.V.Subba Reddy College of Engineering for Women	vimala@kvsw.in	9398899128	
22	Alluru Sreevani	Asst.Prof, ECE	Dr.K.V.Subba Reddy College of Engineering for Women	sreevani@kvsw.in	9494222113	
23	Dr. S. M. Shamsheer Daula	Assoc.Prof, ECE	G. Pulla Reddy Engineering College(Autonomous)	shamsheerdaula@gmail.com	9949210019	
24	G. Parameshwar	Asst.Prof, ECE	Vidya Jyothi Institute of Technology,Hyderabad(Autonomous)	paramesh.gujula@gmail.com	9059013690	



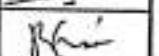
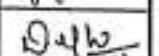
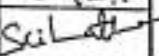
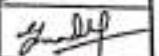
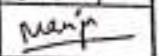
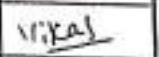
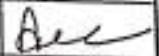
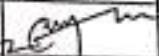
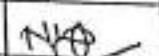
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33	D.Lakshmi Narayana	Assoc.Prof HOD	Scient Institute of Technology, Hyderabad	lakshman5504@gmail.com	9160772232	
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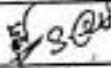
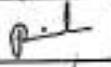
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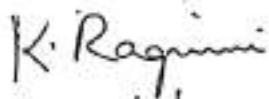
S.No	Name	Designation,	College Name	Email Id	Contact Number	Signature
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46	Pathem Lavanya	Asst.Prof, ECE	GNITS,Shaikpet,Hyderabad	plavanya6@gmail.com	9849517546	
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48	M.Shanthi	Asst.Prof, ECE	GNITS,Shaikpet,Hyderabad	shanthi3011@gmail.com	9177687116	



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50	Y.Prakash	Asst.Prof, ECE	GNITS,Shaikpet,Hyderabad	prakashyelaki90@gmail.com	9591670590	
51	S.Prabhavathy	Assoc.Prof, IT	GNITS,Shaikpet,Hyderabad	s.praba.pranav@gmail.com	9442275030	
52	P.V.S.S.A.Parimala	Asst.Prof, EEE	GNITS,Shaikpet,Hyderabad	patri.parimala@gmail.com	8691801383	
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S.No.	Name	Designation & College	Signature		Signature	
			(25 th November, 2019)	FN	AN	(26 th November, 2019)
1.	G AHMED ZEESHAN	Asst.Prof, ECE , Global Institute of Engineering and Technology				
2.	NUZATH UNNISA BEGUM	Asst.Prof, ECE ,Global Institute of Engineering and Technology				
3.	SREE LATHA BOLISETTY	Assoc.Prof, ECE, Geethanjali College of Engineering and Technology				
4.	M LAXMI	Assoc.Prof, ECE, Geethanjali College of Engineering and Technology				

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S.No.	Name	Designation & College <i>CSE HOD</i>	Signature (25 th November, 2019)		Signature (26 th November, 2019)	
			FN	AN	FN	AN
5.	M RAJA KRISHNA KUMAR	Assoc.Prof, HGB , Geethanjali College of Engineering and Technology	<i>RAJAKRISHNA</i>	<i>RAJAKRISHNA</i>	<i>RK</i>	<i>RK</i>
6.	M.RUPA	Lecturer, ECE ,Govt.institute	<i>Rupa</i>	<i>Rupa</i>	<i>Rupa</i>	<i>Rupa</i>
7.	P.TEJASVEY	Asst.Prof, ECE, RGUKT	<i>Tejasvey</i>	<i>Tejasvey</i>	<i>Tejasvey</i>	<i>Tejasvey</i>
8.	P.PRANAYA	Asst.Prof, ECE , RGUKT	<i>Pranaya</i>	<i>Pranaya</i>	<i>Pranaya</i>	<i>Pranaya</i>
9.	B.NEELIMA	Asst.Prof, ECE , RGUKT	<i>Neelima</i>	<i>Neelima</i>	<i>Neelima</i>	<i>Neelima</i>
10.	K.PITHAMBER	Asst.Prof, ECE , SVIET	<i>Pithamber</i>	<i>Pithamber</i>	<i>Pithamber</i>	<i>Pithamber</i>
11.	N. CHANDRASHEKAR REDDY	Asst.Prof, ECE, SVIET	<i>Chandrashekhar Reddy</i>	<i>Chandrashekhar Reddy</i>	<i>Chandrashekhar Reddy</i>	<i>Chandrashekhar Reddy</i>
12.	SHAIK SHAJAHAN	Asst.Prof, ECE , MTIET, Palamaner,Chittoor	<i>Shajahan</i>	<i>Shajahan</i>	<i>Shajahan</i>	<i>Shajahan</i>
13.	B. PAVANI	Research Scholar, ECE, OUCE	<i>Pavani</i>	<i>Pavani</i>	<i>Pavani</i>	<i>Pavani</i>
14.	METUKU SHYAMSUNDER	Asst.Prof, ECE, University college of Engineering,Osmania University	<i>Metuku Shyamsunder</i>	<i>Metuku Shyamsunder</i>	<i>Metuku Shyamsunder</i>	<i>Metuku Shyamsunder</i>

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S.No.	Name	Designation & College	Signature (25 th November, 2019)		Signature (26 th November, 2019)	
			FN	AN	FN	AN
15.	MOND. JAVEED MEHDI	Asst.Prof, ECE , Gokaraju Rangareddy Institute of Engineering and Technology				
16.	SRINTVASARAO NADIPINTI	Asst.Prof, ECE , GRIET				
17.	ASHOK KUMAR ADEPU	Asst.Prof, ECE , MVGR college of engineering(A)				
18.	M NAGENDRA KUMAR	Asst.Prof, ECE , MVGR college of engineering(A)				
19.	P.DIVAKARA VARMA	Asst.Prof, ECE , MVGR college of engineering(A)				
20.	BEEMAGUNTLA PUSHPA LATHA	Asst.Prof, ECE , Dr.K.V.Subba Reddy College of Engineering for Women				
21.	G VIMALA	Asst.Prof, ECE , DR K V Subba Reddy College of Engineering for Women				
22.	ALLURU SREEVANI	Asst.Prof, ECE , DR K V Subba Reddy College of Engineering for Women				

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S.No.	Name <i>D.S.</i>	Designation & College	Signature (25 th November, 2019)		Signature (26 th November, 2019)	
			FN	AN	FN	AN
23.	MR. S. M. SHAMSHEER DAULA	Assoc.Prof, ECE , G. Pulla Reddy Engineering College(Autonomous)				
24.	G. PARAMESHWAR	Asst.Prof, ECE , VJIT				
25.	S.PRADEEP KUMAR REDDY	Assoc.Prof, ECE, Vidya Jyothi Institute of Technology				
26.	T VENU GOPAL	Assoc.Prof, ECE , Vidya Jyothi Institute of Technology				
27.	G.SOMESWARA RAO	Asst.Prof, ECE , VJIT				
28.	TURAKA SOWMYA	Asst.Prof, ECE , Bagalkot Women's Engineering College				
29.	Dr.D.SANTHOSH KUMAR	Asst.Prof, ECE , VNRSVJET (VTEET)				
30.	R.SUNEETHA	Asst.Prof, ECE , VNRSVJIT				
31.	K. VIJAYA BHARATHI	Asst.Prof, ECE , Malli Reddy Engineering College and Management Sciences				
32.	B. RAMA KRISHNA	Asst.Prof, ECE ,Malli Reddy Engineering College and Management Sciences				

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S.No.	Name	Designation & College	Signature (25 th November, 2019)		Signature (26 th November, 2019)	
			FN	AN	FN	AN
33.	D.LAKSHMI NARAYANA	Assoc.Prof & HOD, ECE , Scient Institute of Technology				
34.	GUDAPATI RAMYASRI	Research Scholar, ECE , Vignans Foundation for Science, Technology & Research				
35.	G RAVIKUMAR REDDY	Asst.Prof, ECE , CVR college of Engineering				
36.	V. KRISHNA MOHAN	Asst.Prof, ECE , Vasavi college				
37.	HAKEEM AEJAZ ASLAM	Asst.Prof, ECE , MJCET				
38.	T.RAMASRI	Asst.Prof, ECE ,GNITS				
39.	A.DEEPITHI	Asst.Prof, ECE ,GNITS				
40.	T.SRILATHA	Asst.Prof, ECE ,GNITS				
41.	G.MADHAVI	Asst.Prof, ECE ,GNITS				
42.	D.MANJU	Asst.Prof, ECE ,GNITS				
43.	VIKAS	Asst.Prof, ECE ,GNITS				
44.	M.JAIRASHMI K.Ragini	Assistant .Prof, ECE Dept.,GNITS				
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S.No.	Name	Designation & College	Signature (25 th November, 2019)		Signature (26 th November, 2019)	
			FN	AN	FN	AN
44.	A.CHANDRASHAKER	Asst.Prof, ECE , GNITS	dr	dr	dr	dr
45.	CH. HARIKRASAD	Asst.Prof, ECE , GNITS	ayu	ayu	ayu	ayu
46.	P. LAVANYA	Asst.Prof, ECE , GNITS	(P)	(P)	(P)	(P)
47.	N.HARINI	Asst.Prof, ECE , GNITS	NH	NH	NH	NH
48.	M.SHANTHI	Asst.Prof, ECE , GNITS	SH	SH	SH	SH
49.	K.SWATHI	Asst.Prof, ECE , GNITS	(Swathi)	(Swathi)	(Swathi)	(Swathi)
50.	Y.PRAKASH	Asst.Prof, ECE , GNITS	P	P	P	P
51.	S.PIRABAVATHI PULLA PARIMALA	Asst.Prof, ECE , GNITS	S@P	S@P	S@P	S@P
52.	J.PARIMALA	Asst.Prof, ECE , GNITS	P	P	P	P
53.	M.LAKSHMI	Asst.Prof, ECE , GNITS	lak	lak	lak	lak

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1.	G AHMED ZEESHAN	Asst.Prof, ECE , Global Institute of Engineering and Technology				
2.	NUZATH UNNISA BEGUM	Asst.Prof, ECE ,Global Institute of Engineering and Technology				
3.	SREE LATHA BOLISETTY	Assoc.Prof, ECE, Geethanjali College of Engineering and Technology				
4.	M LAXMI	Assoc.Prof, ECE, Geethanjali College of Engineering and Technology				

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S.No.	Name	Designation & College <i>CSE 4th year</i>	Signature (27 th November, 2019)		Signature (28 th November, 2019)	
			FN	AN	FN	AN
5.	M RAJA KRISHNA KUMAR	Assoc.Prof, EEE, Geethanjali College of Engineering and Technology				
6.	M.RUPA	Lecturer, ECE ,Govt.institute				
7.	P.TEJASVEY	Asst.Prof, ECE, RGUKT				
8.	P.PRANAYA	Asst.Prof, ECE , RGUKT				
9.	B.NEELIMA	Asst.Prof, ECE , RGUKT				
10.	K.PITHAMBER	Asst.Prof, ECE , SVIET				
11.	N.CHANDRASHEKAR REDDY	Asst.Prof, ECE, SVIET				
12.	SHAIK SHAJAHAN	Asst.Prof, ECE , MTIET, Palamaner,Chittoor				
13.	B.PAVANI	Research Scholar, ECE, OUCE				
14.	METUKU SHYAMSUNDER	Asst.Prof, ECE, University college of Engineering Osmania University				

CO-ORDINATOR

Dr.K.Ragini

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K.Ramesh Reddy
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Dr.K.Ramesh Reddy

K.Ramesh Reddy

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Shaikpet, Hyderabad - 500 104.

S.No.	Name	Designation & College	Signature (27 th November, 2019)		Signature (28 th November, 2019)	
			FN	AN	FN	AN
15.	MOHD. JAVEED MEHTI	Asst.Prof, ECE , Gokaraju Rangaraju Institute of Engineering and Technology				
16.	SRINIVASARAO NADIPINTI	Asst.Prof, ECE , GRIET				
17.	ASHOK KUMAR ADEPU	Asst.Prof, ECE , MVGR college of engineering(A)				
18.	M NAGENDRA KUMAR	Asst.Prof, ECE , MVGR college of engineering(A)				
19.	P.DIVAKARA VARMA	Asst.Prof, ECE , MVGR college of engineering(A)				
20.	BEEMAGUNTLA PUSHPA LATHA	Asst.Prof, ECE , Dr.K.V.Subba Reddy College of Engineering for Women				
21.	G VIMALA	Asst.Prof, ECE , DR K V Subba Reddy College of Engineering for Women				
22.	ALLURU SREEVANI	Asst.Prof, ECE , DR K V Subba Reddy College of Engineering for Women				

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S.No.	Name	Designation & College	Signature (27 th November, 2019)		Signature (28 th November, 2019)	
			FN	AN	FN	AN
23.	Dr. S. M. SHAMSHEER DAULI	Assoc. Prof, ECE , G. Pulla Reddy Engineering College(Autonomous)				
24.	G. PARAMESHWAR	Asst.Prof, ECE , VJIT				
25.	S.PRADEEP KUMAR REDDY	Assoc. Prof, ECE , Vidya Jyothi Institute of Technology				
26.	T VENU GOPAL	Assoc. Prof, ECE , Vidya Jyothi Institute of Technology				
27.	G.SOMESWARA RAO	Asst.Prof, ECE , VJIT				
28.	TURAKA SOWMYA	Asst.Prof, ECE , Bapati Women's Engineering College				
29.	Dr.D.SANTHOSH KUMAR	Asst.Prof, ECE , VNRVJIET (VJET)				
30.	R.SUNEETHA	Asst.Prof, ECE , VNRVJIET				
31.	K. VIJAYA BHARATHI	Asst.Prof, ECE , Malli Reddy Engineering College and Management Sciences				
32.	B. RAMA KRISHNA	Asst.Prof, ECE ,Malli Reddy Engineering College and Management Sciences				

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SNo.	Name	Designation & College	Signature (27 th November, 2019)		Signature (28 th November, 2019)	
			FN	AN	FN	AN
33.	D.LAKSHMI NARAYANA	Assoc.Prof AIIOD, ECE , Scient College Institute of Technology .				
34.	GUDAPATI RAMYASRI	Research Scholar, ECE , Vigyan Foundation for Science, Technology & Research				
35.	G RAVIKUMAR REDDY	Asst.Prof, ECE , CVR college of Engineering				
36.	V. KRISHNA MOHAN	Asst.Prof, ECE , Vasavi college				
37.	HAKEEM AEJAZ ASLAM	Asst.Prof, ECE , College MJCET				
38.	T.RAMASRI	Asst.Prof, ECE , GNITS				
39.	A.DEEPTHI	Asst.Prof, ECE , GNITS				
40.	T.SRILATHA	Asst.Prof, ECE , GNITS				
41.	G.MADHAVI	Asst.Prof, ECE , GNITS				
42.	D.MANJU	Asst.Prof, ECE , GNITS				
43.	VIKAS	Asst.Prof, ECE , GNITS				
44.	M'LAKEHMS	Asst.Prof, ECE , GNITS				

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Dr.K.Ramesh Reddy

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No.	Name	Designation & College	Signature (27 th November, 2019)		Signature (28 th November, 2019)	
			FN	AN	FN	AN
44.	A.CHANDRASHAKER	Asst.Prof, ECE , GNITS	dr	dr	dr	dr
45.	CH. HARIPRASAD	Asst.Prof, ECE , GNITS	Ch	Ch	Ch	Ch
46.	P. LAVANYA	Asst.Prof, ECE , GNITS	PL	PL	PL	PL
47.	N.HARINI	Asst.Prof, ECE , GNITS	NO	NO	NO	NO
48.	M.SHANTHI	Asst.Prof, ECE , GNITS	MS	MS	MS	MS
49.	K.SWATHI	Asst.Prof, ECE , GNITS	KS	KS	KS	KS
50.	Y.PRAKASH	Asst.Prof, ECE , GNITS	YP	YP	YP	YP
51.	S.PRABAVATHI	Asst.Prof, ECE , GNITS	S.P	S.P	S.P	S.P
52.	M.PARIMALA	Asst.Prof, ECE , GNITS	MP	MP	MP	MP
53.	M.LAKSHMI	Asst.Prof, ECE, GNITS	ML	ML	ML	ML

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One-Week AICTE Sponsored STTP on
"Embedded Systems in Internet of Things (IoT)"
25th - 30th November, 2019
ATTENDANCE SHEET

S.No.	Name	Designation & College	Signature		Signature	
			(29 th November, 2019)	(30 th November, 2019)	FN	AN
1.	G AHMED ZEESHAN	Asst.Prof, ECE , Global Institute of Engineering and Technology				
2.	NUZATH UNNISA BEGUM	Asst.Prof, ECE ,Global Institute of Engineering and Technology				
3.	SREE LATHA BOLISETTY	Assoc. Prof, ECE, Geethanjali College of Engineering and Technology				
4.	M LAXMI	Assoc.Prof, ECE, Geethanjali College of Engineering and Technology				

[Signature]
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Dr.K.Ragini

[Signature]
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[Signature]
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S.No.	Name	Designation & College <i>CCE Cell</i>	Signature (29 th November, 2019)		Signature (30 th November, 2019)	
			FN	AN	FN	AN
5.	M RAJA KRISHNA KUMAR	Assoc.Prof, ECE , Geethanjali College of Engineering and Technology				
6.	M.RUPA	Lecturer, ECE ,Govt.Institute				
7.	P.TEJASVEY	Asst.Prof, ECE, RGUKT				
8.	P.PRANAYA	Asst.Prof, ECE , RGUKT				
9.	B.NEEELIMA	Asst.Prof, ECE , RGUKT				
10.	K.PITHAMBER	Asst.Prof, ECE , SVIET				
11.	N. CHANDRASHEKAR REDDY	Asst.Prof, ECE, SVIET				
12.	SNAIK SHAJAHAN	Asst.Prof, ECE , MTIET, Palamaner,Chittoor				
13.	B. PAVANI	Research Scholar, ECE, OUCE				
14.	METUKU SHYAMSUNDER	Asst.Prof, ECE, University college of Engineering, Omania University				

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S.No.	Name	Designation & College	Signature (29 th November, 2019)		Signature (30 th November, 2019)	
			FN	AN	FN	AN
23.	DR. S. M. SHAMSHEER DAULA	Assoc.Prof, ECE , G. Pulla Reddy Engineering College(Autonomous)				
24.	G. PARAMESHWAR	Asst.Prof, ECE , VJIT				
25.	S.PRADEEP KUMAR REDDY	Assoc.Prof, ECE, Vidya Jyothi Institute of Technology				
26.	T VENU GOPAL	Assoc.Prof, ECE , Vidya Jyothi Institute of Technology				
27.	G.SOMESWARA RAO	Asst.Prof, ECE , VJIT				
28.	TURAKA SOWMYA	Asst.Prof, ECE , Bapatla Women's Engineering College				
29.	Dr.D.SANTHOSH KUMAR	Asst.Prof, ECE , VNRSVJIT				
30.	R.SUNEETHA	Asst.Prof, ECE , VNRSVJIT				
31.	K. VIJAYA BHARATHI	Asst.Prof, ECE , Malla Reddy Engineering College and Management Sciences				
32.	B. RAMA KRISHNA	Asst.Prof, ECE ,Malla Reddy Engineering College and Management Sciences				

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S.No.	Name	Designation & College	Signature (29 th November, 2019)		Signature (30 th November, 2019)	
			PN	AN	PN	AN
15.	MOHD. JAVEED MEHDI	Asst.Prof, ECE , Gokaraju Rangareddy Institute of Engineering and Technology				
16.	SRINTVASARAO NADIPINTI	Asst.Prof, ECE , GRJET				
17.	ASHOK KUMAR ADEPU	Asst.Prof, ECE , MVGR college of engineering(A)				
18.	M.NAGENDRA KUMAR	Asst.Prof, ECE , MVGR college of engineering(A)				
19.	P.DIVAKARA VARMA	Asst.Prof, ECE , MVGR college of engineering(A)				
20.	BEEMAGUNTLA PUSHPA LATHA	Asst.Prof, ECE , Dr.K.V.Subba Reddy College of Engineering for Women				
21.	G VIMALA	Asst.Prof, ECE , DR K V Subba Reddy College of Engineering for Women				
22.	ALLURU SREEVANI	Asst.Prof, ECE , DR K V Subba Reddy College of Engineering for Women				

K.Ragini
12/11/19.

D-ORDINATOR

Mr.K.Ragini

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			FN	AN	FN	AN
33.	D.LAKSHMI NARAYANA	Assoc.Prof & IOD, ECE , Saini Institute of Technology				
34.	GUDAPATI RAMYSARI	Research Scholar, ECE , Vigyan Foundation for Science, Technology & Research				
35.	G RAVIKUMAR REDDY	Asst.Prof, ECE , CVR college of Engineering				
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37.	HAKEEM AEJAZ ASLAM	Asst.Prof, ECE , MJCET				
38.	T.RAMASRI	Asst.Prof, ECE , GNITS				
39.	A.DEEPITHI	Asst.Prof, ECE , GNITS				
40.	T.SIRULATHA	Asst.Prof, ECE , GNITS				
41.	G.MADHAVI	Asst.Prof, ECE , GNITS				
42.	D.MANJU	Asst.Prof, ECE , GNITS				
43.	VIKAS	Asst.Prof, ECE , GNITS				
44.	M-HAGHME	Asst. Prof., ECE , SNITS				

K. Ragini
CO-ORDINATOR 28/11/19.

Dr. K. Ragini

Dr.K.Ramesh Reddy

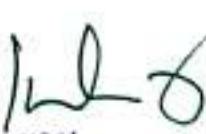
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(AUTONOMOUS)
Shalkpet Hyderabad - 500 104.

S.No.	Name	Designation & College	Signature (29 th November, 2019)		Signature (30 th November, 2019)	
			FN	AN	FN	AN
44.	A.CHANDRASHAKER	Asst.Prof, ECE , GNITS	dr	dr	dr	dr
45.	CH.HARIPRASAD	Asst.Prof, ECE , GNITS	pr	pr	pr	pr
46.	P.LAVANYA	Asst.Prof, ECE , GNITS	lp	lp	lp	lp
47.	N.HARINI	Asst.Prof, ECE , GNITS	nh	nh	nh	nh
48.	M.SHANTHI	Asst.Prof, ECE , GNITS	mh	mh	mh	mh
49.	K.SWATHI	Asst.Prof, ECE , GNITS	ks	ks	ks	ks
50.	V.PRAKASH	Asst.Prof, ECE , GNITS	vp	vp	vp	vp
51.	S.PRABAVATHI	Asst.Prof, ECE , GNITS	s.p	s.p	s.p	s.p
52.	G-PARIMALA P.V.S.S.A. PARTHAA	Asst.Prof, ECE , GNITS EEE	gp	gp	gp	gp
53.	M.LAKSHMI	Asst.Prof, ECE, GNITS	ml	ml	ml	ml

K.Ragini
28/11/19.

CO-ORDINATOR

Dr. K.Ragini



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Dr.K.Ramesh Reddy

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(for Women)

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Shaikpet, Hyderabad, Telangana - 500 104.

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An ISO 9001:2015 Certified



Certificate

This is to certify that Mr./Ms. S. PRABAVATHY, Assoc. Prof

of G.N.I.T.S has successfully completed AICTE sponsored Short Term Training Programme on "Embedded Systems in IoT" held during 25/11/2019 to 30/11/2019 organized by Dept. of ECE, G.Narayananamma Institute of Technology and Science (for women), Hyderabad, Telangana.

Dr. K. Ramesh Reddy
Principal GNITS
Chairman, STTP

Dr. B. Venkateshulu
HOD, Dept. of ECE
Convener, STTP

Dr. K. Ragini
Professor, Dept. of ECE
Coordinator, STTP

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Shaikpet, Hyderabad- 500008

One-Week AICTE Sponsored Short Term Training Program(STTP) on
"Embedded Systems in Internet of Things (IoT)"

25th - 30th November, 2019

FEEDBACK FORM

Please respond to the following statements by using the 4-point rating scale to indicate the extent to which you agree or disagree with each statement. Please circle the number that applies.

1 = Satisfactory

2 = Good

3 = Very Good

4= Excellent

1	The STTP objectives were stated clearly and met	1	2	3	4
2	The STTP was well organized	1	2	3	4
3	The information and/or skills presented were relevant and useful	1	2	3	4
4	The knowledge and skills I learnt will be useful to me in my job/research	1	2	3	4
5	Overall rating of this STTP	1	2	3	4

OVERALL ASSESSMENT OF EACH SESSION:

S.No.	Date	Speaker's Name & Designation	Rating
6	25/11/2019 - 27/11/2019	Dr.P.S.Sai Krishna (JIT-TIRUPATI)	1 2 3 4
7	25/11/2019	Dr.K.Ragini(GNITS-HYD)	1 2 3 4
8	26/11/2019	Dr.Sachin Chaudhari(IIIT-HYD)	1 2 3 4
9	26/11/2019	Mr.P.Chandra Sekhar(GNITS-HYD)	1 2 3 4
10	27/11/2019	Sri. P.V.S Maruthi Rao (Founder Director, Videcentum R&D Pvt.Ltd)	1 2 3 4
11	27/11/2019	Mrs. Pradeepi D (Sr.IoT Developer, Smart Bridge)	1 2 3 4
12	28/11/2019	Mr. Amarendra Katakam (Director & CEO, SmartBridge)	1 2 3 4

[Signature]

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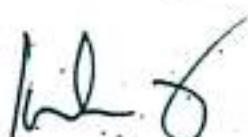
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13	28/11/2019	Mrs. Pradeepi D (Sr.IoT Developer, Smart Bridge)	1	2	3	(
14	29/11/2019	Mr.G.Sudheer (Technical Manager, Votary Tech)	1	2	3	(
15	29/11/2019	Sri. N.Venkatesh (Vice President, Redpino Signals)	1	2	3)
16	29/11/2019	Mrs. Pradeepi D (Sr.IoT Developer, Smart Bridge)	1	2	3)
17	30/11/2019	Mr. P.Veerababu (Quality Security Engineer, Creston S/W)	1	2	3)

18. In your opinion, what is the major highlight or strength of this program which contributed most to its success/ effectiveness?

Accommodation is Excellent ,

19. Give SUGGESTIONS by which you think the usefulness of the program can be improved.

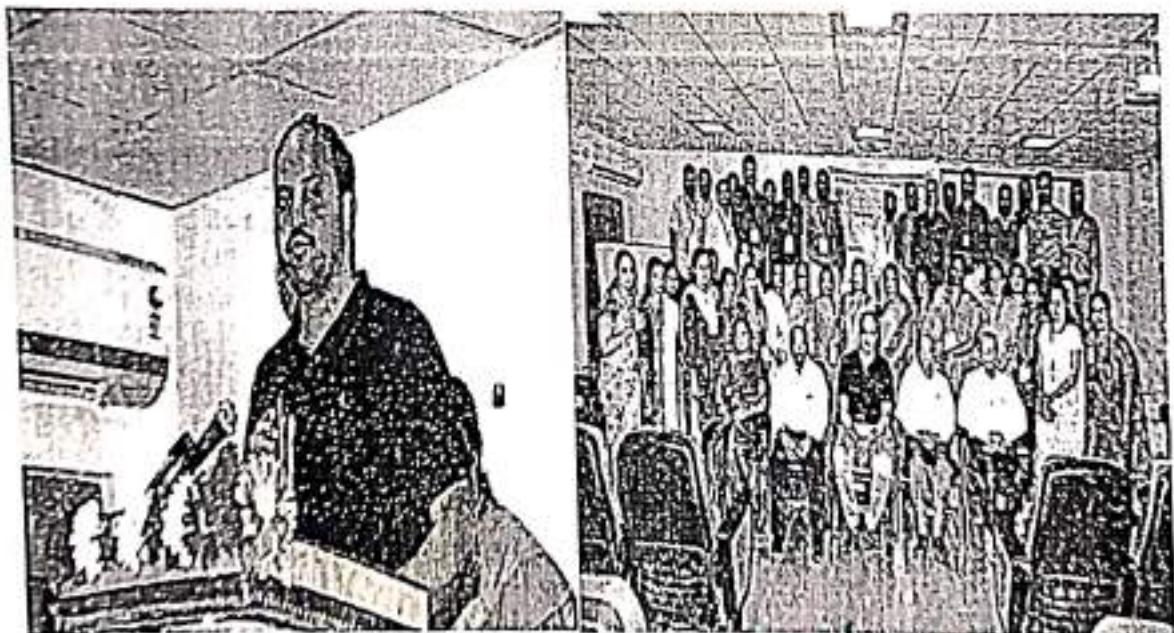
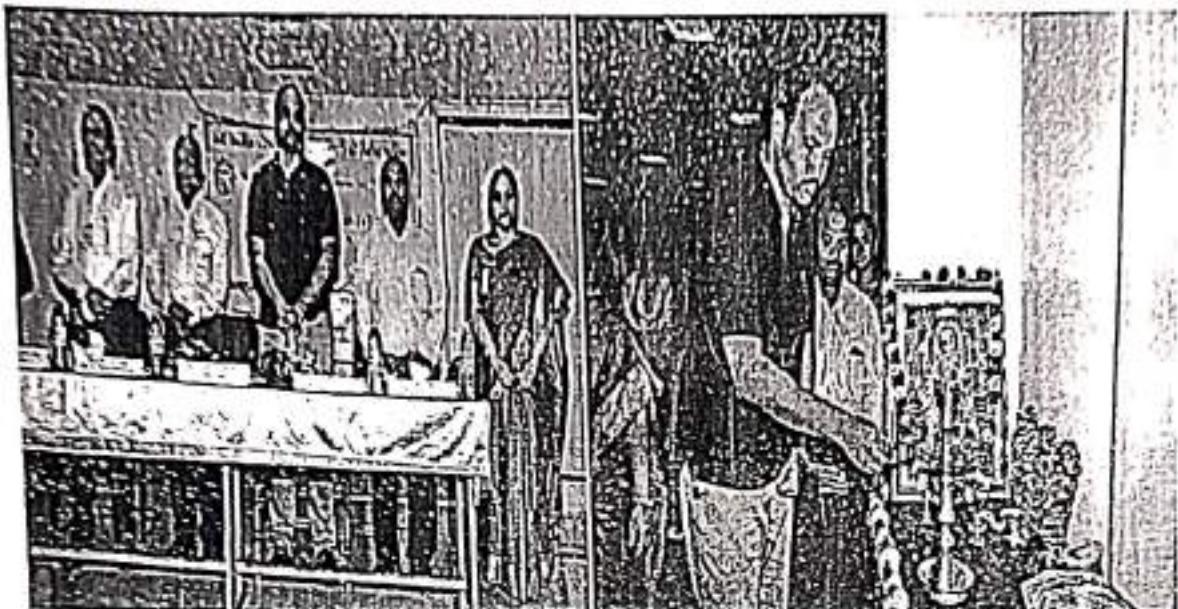


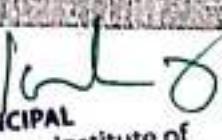
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MONDAY, 25th November, 2019

Inaugural (9:00 to 10:00 AM)

Chief Guest: Dr. P. S. Sai Krishna, Assistant Professor, Electrical Engineering
Dept., IIT-Tirupathi

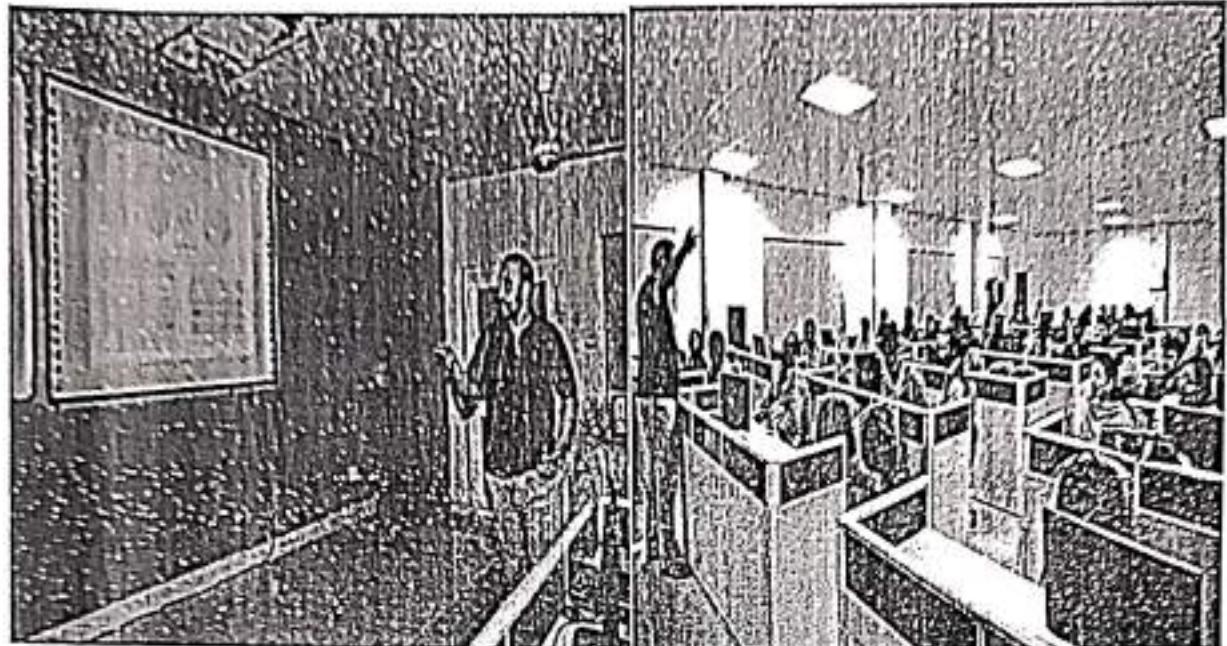



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MONDAY, 25th November, 2019

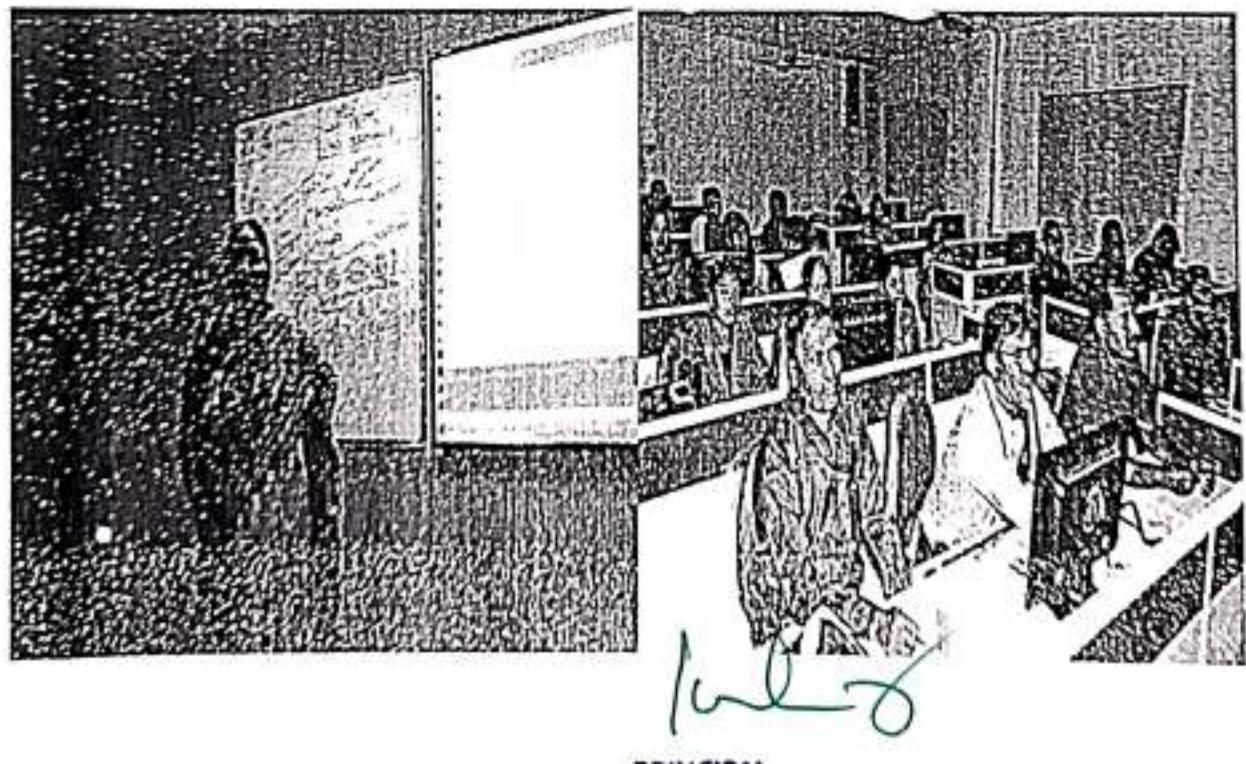
Sessions I to III

**Resource Person: Dr. P. S. Sai Krishna, Assistant Professor, Electrical Engineering
Dept., IIT-Tirupathi**



Sessions IV

Resource Person: Dr. K. Ragini, Professor, Dept. of ECE, GNITS



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TUESDAY, 26th November, 2019

Sessions I

Resource Person: Dr. Sachin Chaudhari, Assistant Professor, Assistant Professor,
SPCRC, IIIT-Hyderabad



Sessions II, III

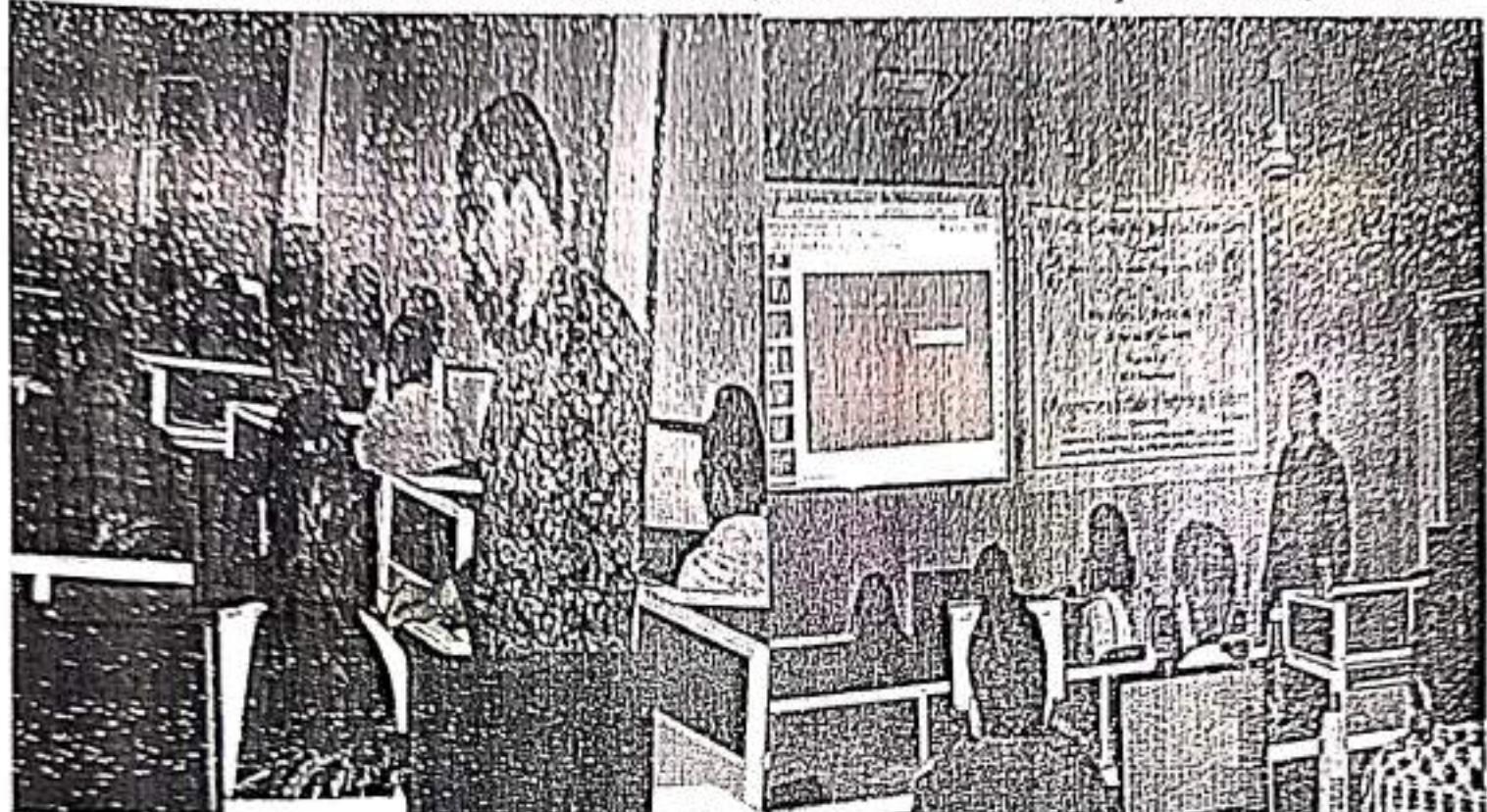
Resource Person: Dr. P. S. Sai Krishna, Assistant Professor, Electrical Engineering
Dept., IIIT-Tirupathi



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Sessions IV

Resource Person: P. Chandra Sekhar, Asst. Professor, Dept. of ECE, GNITS



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WEDNESDAY, 27th November, 2019

Sessions II

Resource Person: Sri P.V.S. Maruthi Rao, Founder Director, Videcentum R&D Pvt. Ltd., Hyderabad



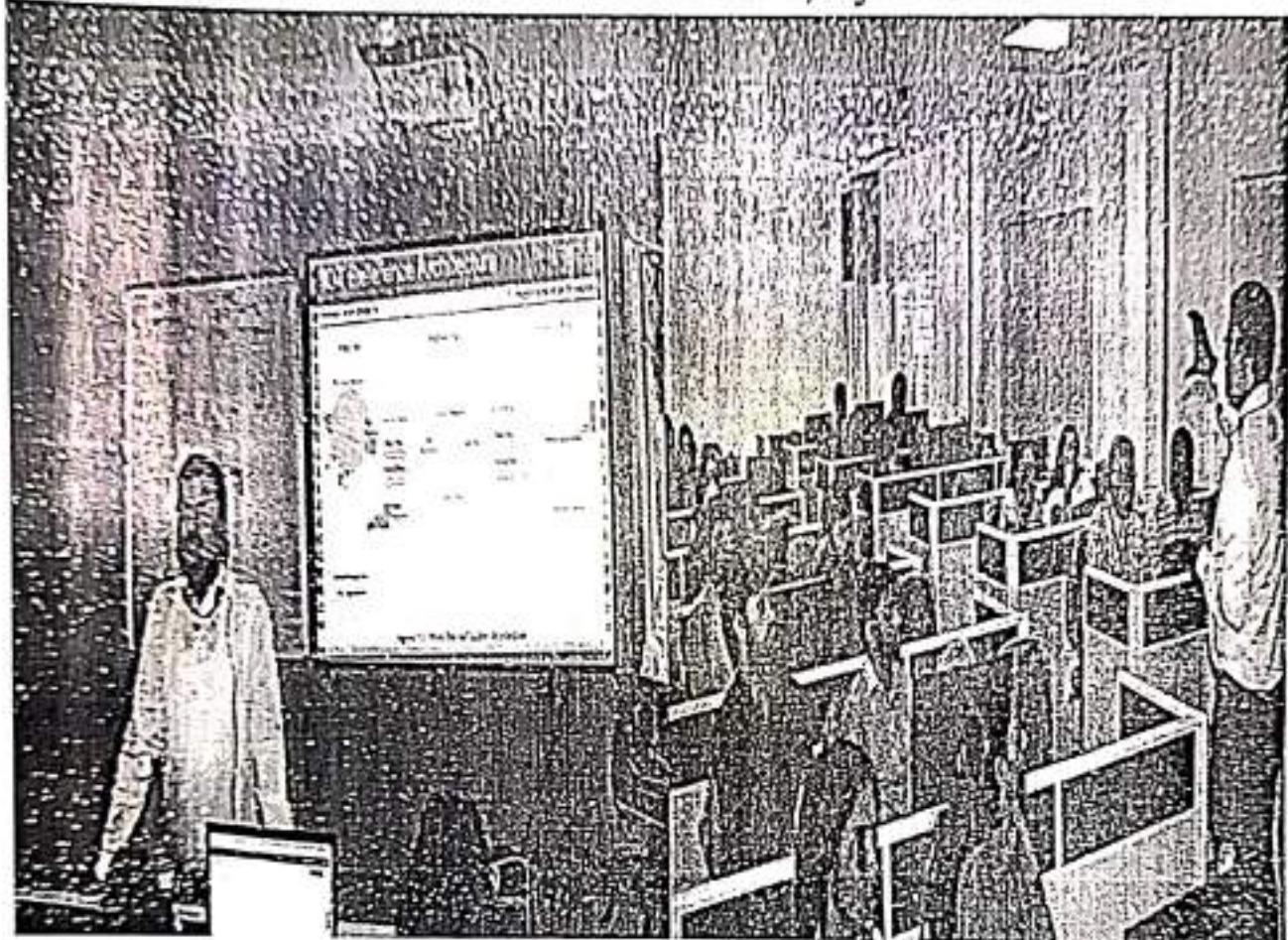
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THURSDAY, 28th November, 2019

Sessions I, II

**Resource Person: Mr. AmarenderKatakam, Director, CEO, SmarBridge
Educational Services Pvt. Ltd., Hyderabad**

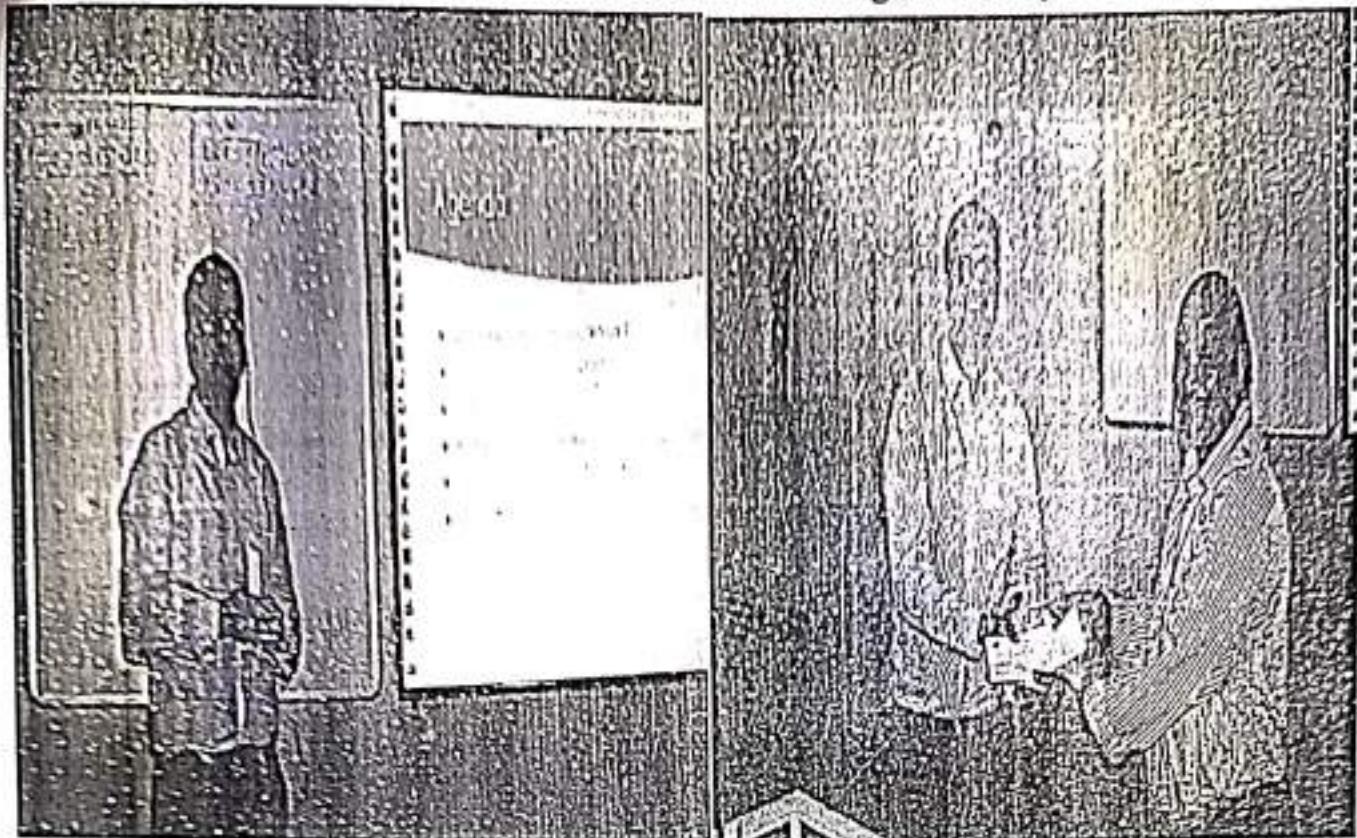


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FRIDAY, 29th November, 2019

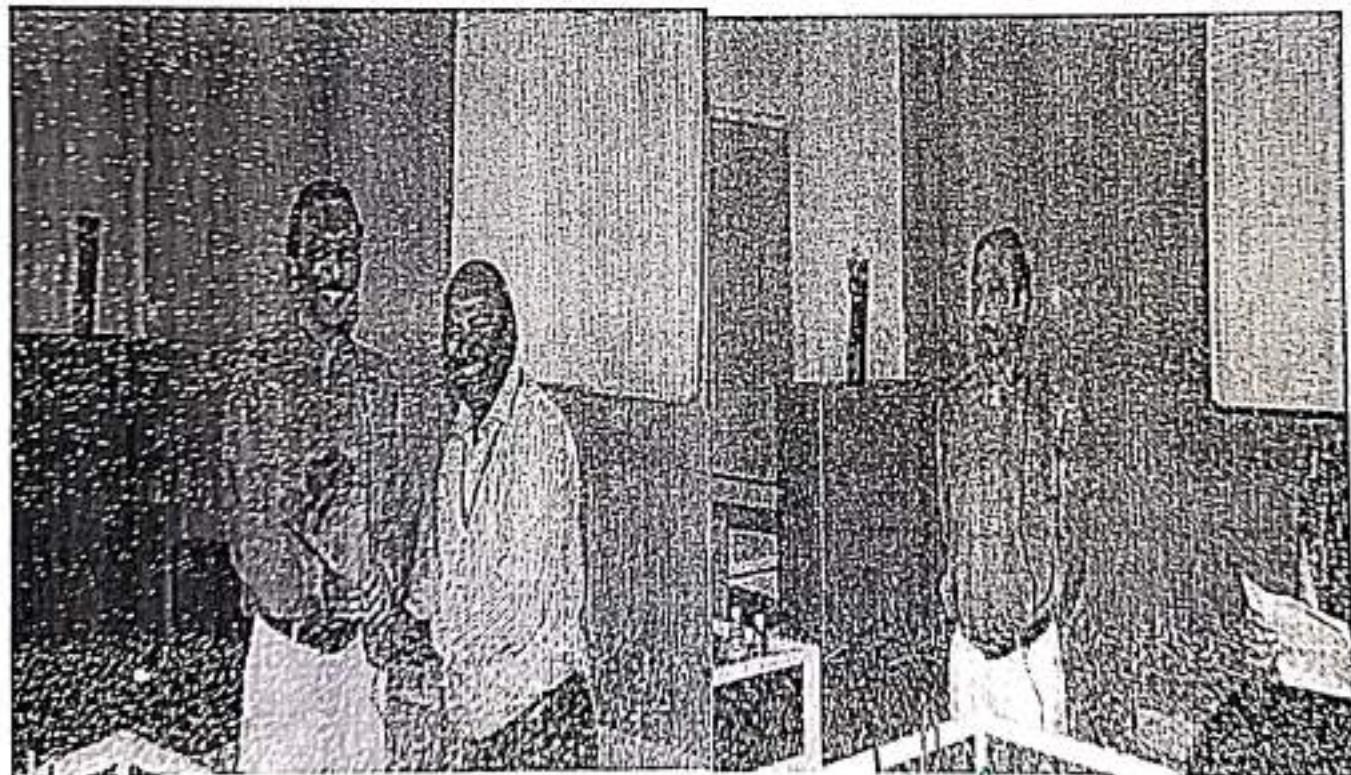
Session I

Resource Person: Mr. G. Sudheer, Technical manager, Votary Tech, Hyderabad



Session II

Resource Person: Sri N. Venkatesh, Sr. Vice President, Redpine signals, Hyd.



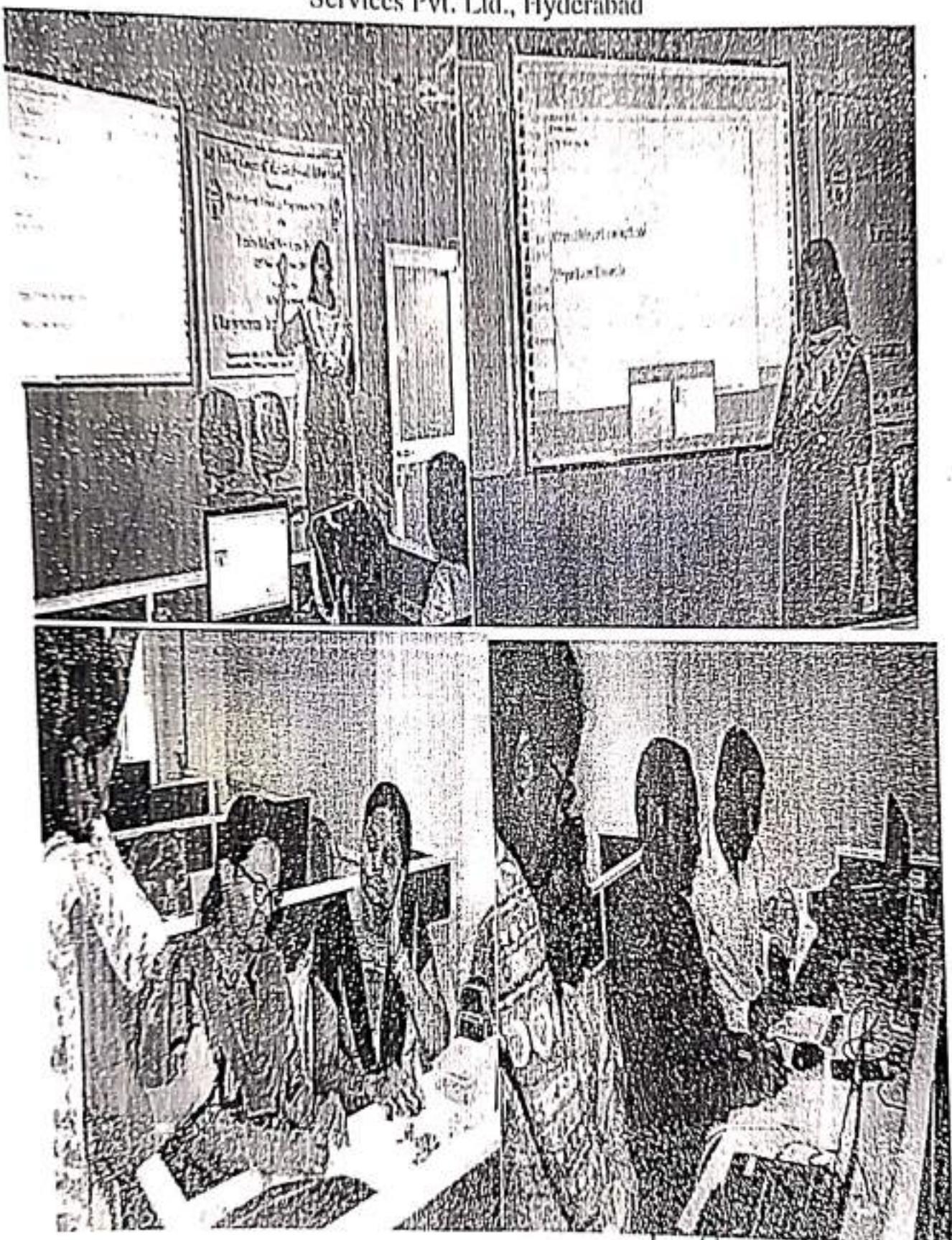
A handwritten signature in blue ink, appearing to read "N. S. S."

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27th, 28th, 29th November, 2019

Practical Sessions (III, IV Sessions)

Resource Person: M/S D. Pradeepthi, Sr. IoT Engineer, SmarBridge Educational Services Pvt. Ltd., Hyderabad



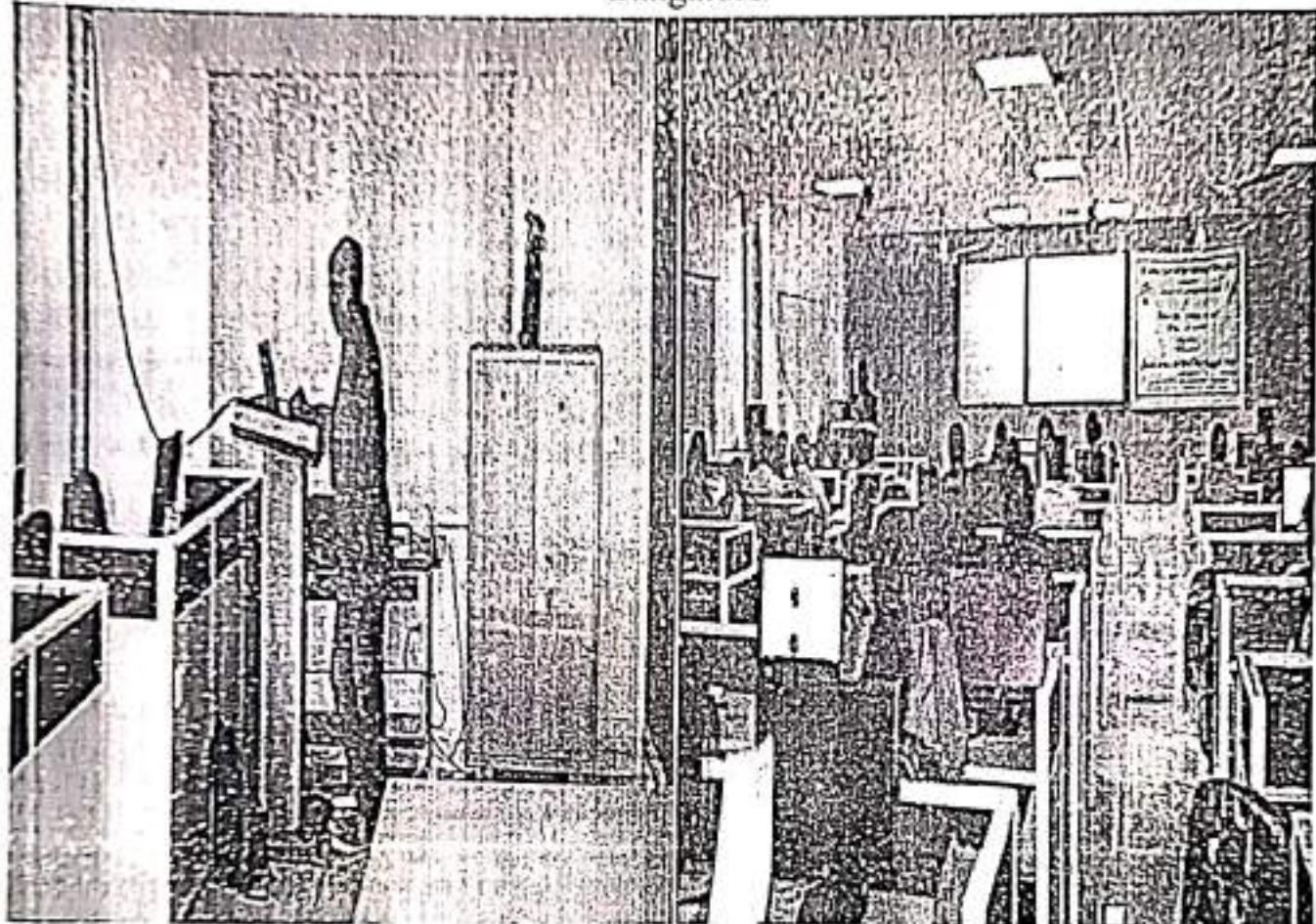
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SATURDAY, 30th November, 2019

Session I, II

Resource Person: Mr. P. Veerababu, Quality Security Engineer, Creston S/W,
Bangalore




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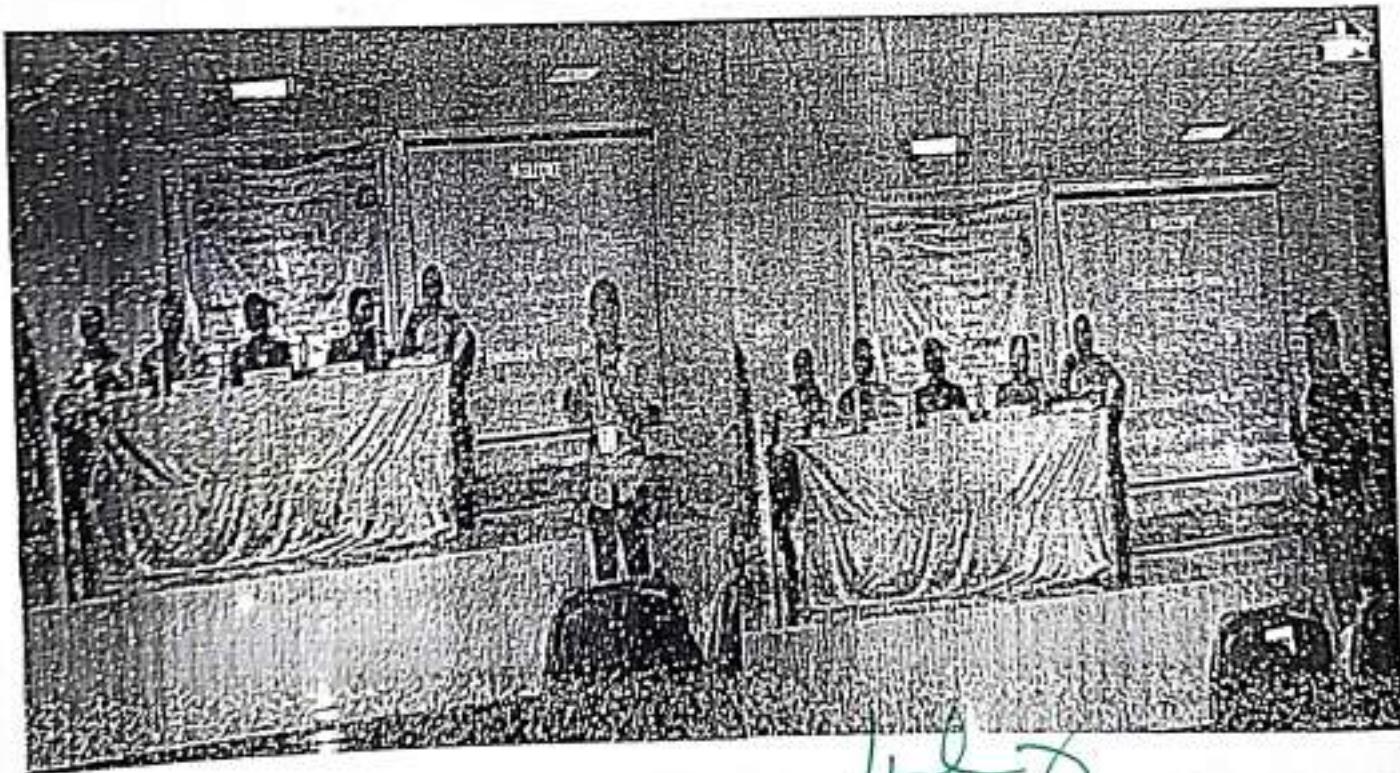
SATURDAY, 30th November, 2019

Valedictory Session

Chief Guest: Mr. P. Veerababu, Quality Security Engineer, Creston S/W,
Bangalore



Feedback by Participants

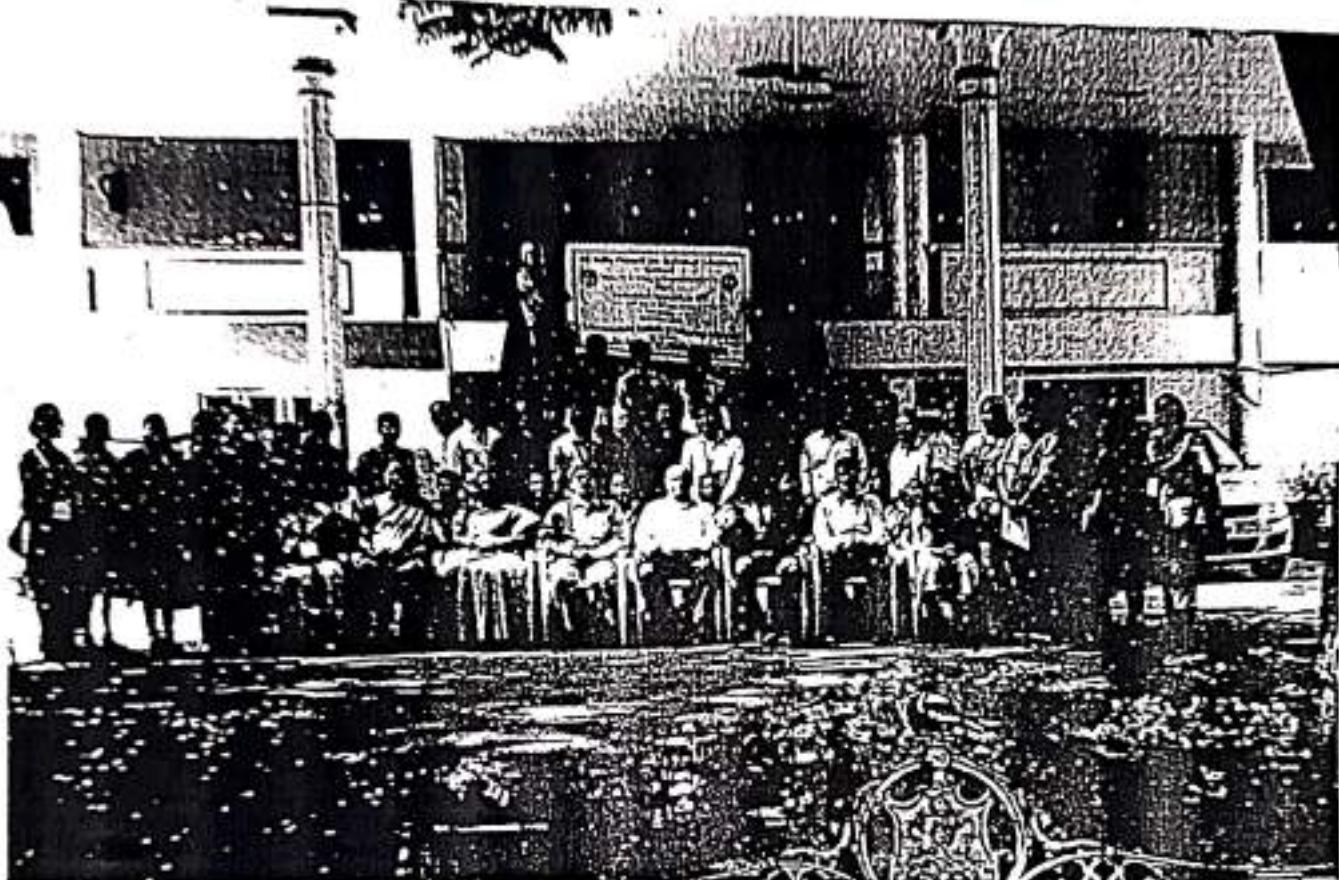


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Group Photo Session

ON

Saturday, 30th November 2019



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(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104.



**G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(For Women)**



(UGC Autonomous)

Approved by AICTE, New Delhi & Affiliated to JNTUH,
Accredited by NBA & NAAC, An ISO 9001:2015 Certified Institution,
Shaikpet, Hyderabad - 500104

**One Week AICTE Sponsored Short Term Training Programme (STTP) on
"Embedded Systems in Internet of Things (IoT)"
(25th - 30th November 2019)**

RECEIPT & PAYMENT ACCOUNT

SI.No.	Receipts	Amount (Rs.)	Payments	Amount (Rs.)
1	To grants Received by AICTE	3,69,000.00	Boarding and Lodging to Participants	Rs. 1,22,652
2			TA to outstation participants	Rs. 13,254
3			Honorarium to Course Coordinator	Rs. 3690
4			Reading Material to Participants	Rs. 55,749
5			Honorarium to Resource Persons	Rs. 75,000
6			TA/DA to Resource Persons	Rs. 38,081
7			Working Expenses	Rs. 61,110
	Total	3,69,000.00	Total	Rs. 3,69,536
			Additional amount spent by GNITS	Rs. 536

Signature of STTP Coordinator

Signature of Finance Officer

Name: P.VENKATA RAMI Reddy
Designation: ACCOUNTS OFFICER
Full address: Accounts Officer

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Signature of Head of the Institute

Name: Dr. K. Ramesh Reddy
Designation: Principal, GNITS



PRINCIPAL
G. Narayananamma Institute of
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Signature of Chartered Accountant

A. HANUMANTHA RAO

Name of CA: Chartered Accountant,
Membership No.: F.I.C.A. - 36740000000000000000
Full Address of CA [with seal]: Chartered Accountant, F.I.C.A. - 36740000000000000000

A. Hanumantha Rao

B.Com., F.C.A.

Chartered Accountant

Membership No: 18102

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Sanction Letter No.: Ref. F. No. 34-56/78/RIFD/STTP/Policy-I/2017-18 Dated: 10/5/2019

S.No.	Heads of Expenditure	Amount Sanctioned	Amount Utilized
I	Boarding and Lodging to Participants		Rs. 1,22,652
II	TA to outstation participants		Rs. 13,254
III	Honorarium to Course Coordinator		Rs. 3,690
IV	Reading Material to Participants		Rs. 55,749
V	Honorarium to Resource Persons		Rs. 75,000
VI	TA/DA to Resource Persons		Rs. 38,081
VII	Working Expenses		Rs. 61,110
	TOTAL		Rs. 3,69,536
	Sanctioned amount		Rs. 3,69,000
	BALANCE AMOUNT PAID BY GNITS		Rs. 536

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Name of the Cell: FDP

Academic year:2019-2020

Name of the program:FDP on "Embedded systems on IoT"

Dates:25.11.19 to 30.11.19

**Report of
One Week Workshop on "Embedded Systems on IOT"
(25.11.2019-30.11.2019)
Venue: E-class room, GNITS**

The Embedded Systems on IOT is an AICTE-STTP Conducted with the objectives of providing an extended knowledge on IoT applications, to explore latest research works going on in the field of embedded systems and IoT Technology and hands on various Smart device applications through IoT platform. Eminent resource persons from IIT'S and various companies presented lectures on IoT Platform, Applications and Security.

DAY1 Dr.P.Sai Krishna from IIT-T gave a key note address on the topic fog computing and its applications. He also explained about introduction to IoT and ARM based IOT devices.

DAY2 Dr.Sachin Chaudhari from IITH presented a session on Communication Technologies for IoT short range and Long range Communication technologies, System on chips & Wireless Radios.

DAY3 P.V.S.Maruthi Rao, Founder Director, Vidcentum R&D Pvt. Ltd presented a session on IoT Edge systems which contained classification of IoT Applications, What are the customer's expectations on IoT edge, How Assets acts as Things.

DAY4 Amarender K founder of Smart Bridge delivered session on IoT Platform and its Architecture and how weather information can be shared from device to cloud and desired location by creating an app IBM Watson platform.

DAY5 G.Sudheer, Tech Manager at Voluntary Solutions Pvt.Ltd delivered presentation on Wireless Personal Area Networks(WPAN) architecture and its applications. He also explained about Bluetooth Module, BLE, WiFi and how they differ with technology. Next half session handled by N.Venkatesh, vice president from redpine signals taken a session on Wireless sensor networks and its significance in IoT.

DAY6 Veerababu P, Quality Security Engineer, Creston S/w delivered a lecture on Massive Botnet attack, Pacemaker and IoT in security. 56 Participants are from various institutions attended and benefited using this STTP. Overall feedback received is Excellent from participants.

Outcomes of the program are

- 1.expected to promote awareness on basic IOT Architecture, Communication Technologies for IOT, SOC's, Wireless Sensor Networks, and Industrial IOT.
2. Wider understanding on low power wireless personal area networks, Bluetooth low energy networks, Embedded Systems for WSN nodes, applying energy harvesting principle are considered as impact assessment from the training.
3. The participant can develop a smart embedded system on his own, with the knowledge gained from the program.

The FDP was concluded with an exam assessment, feedback session and valedictory function.

Dr.B.Venkateshulu
PROF&HOD-ECE

25/11/19

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K.Ragini

Dr.K.Ragini
Coordinator,STTP
Prof,Dept of ECE
GNITS



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Department of Electronics and Communication Engineering

One week Short Term Training Program (STTP) on

"EMBEDDED SYSTEMS IN IoT"

(25th to 30th November 2019)

sponsored by

All India council for Technical Education (AICTE)

Name of the participant: P. Lavanya

Designation: Asst. prof

College name: GNITS

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Max. Marks: 25

Duration: 30 Min

Signature: 30/11

1.	MQTT stands for _____	a) MQ Telemetry Things c) MQ Transport Things	b) MQ Transport Telemetry d) MQ Telemetry Transport	[<input checked="" type="checkbox"/>]
2.	MQTT is better than HTTP for sending and receiving data.	a) True b) False	[<input checked="" type="checkbox"/>]	
3.	MQTT is _____ protocol.	a) Machine to Machine c) Machine to Machine and Internet of Things	b) Internet of Things d) Machine Things	[<input checked="" type="checkbox"/>]
4.	_____ and _____ saves the publish and subscribe keys that we have generated with the PubNub Admin portal.	a) Public_key and subscribe_key c) Public key and subscribe key	b) Public-key and subscribe-key d) Key-public and key-subscribe	[<input checked="" type="checkbox"/>]
5.	_____ specifies the function that will be called when there is a new message received from the channel.	a) Reconnect c) Connect	b) Error d) Callback	[<input checked="" type="checkbox"/>]
5.	_____ specifies the function that will be called when a successful re-connection is completed.	a) Callback c) Connect	b) Error d) Reconnect	[<input checked="" type="checkbox"/>]
	The number of elements in the Open IoT Architecture?	a) 6 elements c) 7 elements	b) 8 elements d) 3 elements	[<input checked="" type="checkbox"/>]

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