Department of ECE News Letter.

Editorial Team: Dr. Rahul Vivek Purohit  
(Editor-in-chief).

Mr. Kondalarao  
Punati  
(Editor)

Chief Patrons:

• Sri. Prashanth Arutla  
(Chairman Royal Educational Society)

• Dr. J. Shiva Kumar  
Principal, HITAM
Vision of Institute:-

“To be a University which nurtures the students with competencies to become confident about their careers and contribute to the society”.

Mission of Institute:-

To build capabilities of faculty for facilitating course with innovative pedagogy.

To enrich the programs with relevant and updated curriculum.

To progress by adopting the best practices to the workspace needs as per emerging trends.

To provide industry interface for faculty and students to work on projects with end goal of real time knowledge.
Vision of Department:-

“To achieve academic excellence in Electronics and Communication Engineering education and to train students in contemporary core technologies by developing them into skillful engineers inspired with human values and social needs”.

Mission of Department:-

Facilitating the students with innovative pedagogy and quality infrastructure to acquire knowledge and skill in Electronics and Communication Engineering.

Training students in doing projects, meeting latest technologies.

Nurturing students for understanding and serving society with a concern for environment.
<table>
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<tr>
<th>Program Educational Objectives (PEOs)</th>
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<tr>
<td><strong>PEO1:</strong> Our graduates will be competent enough to work in team for IT as well as for core electronic industry globally</td>
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<td><strong>PEO2:</strong> Graduates will be leading a successful career in the research and development</td>
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<td><strong>PEO3:</strong> Our graduates will be addressing societal needs through multidisciplinary engineering projects approach</td>
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Faculty Achievement

Faculty of ECE Department has successfully completed NPTEL course certifications
In 31st July 2020 ECE department organized “Role of telemetry technology for emerging applications in aircraft Research & Development” with support of R and D team.
ECE Department has successfully conducted the 5-day FDP on IOT from 21st July to 25th July 2020.

The Path to learning never ends

#Faculty Development Program (FDP)
A 5-DAY HANDS-ON SESSION ON
APPLIED IOT WITH NODE MCU,
RASPBERRY PI & CLOUD CONFIGURATION
Organized by Department of
Electronics and Communication
Engineering, HITAM

**DATE:**
21st to 25th July 2020

**TIME:**
10.30 AM to 12.00 PM (EVERY DAY)

**REGISTRATION:**
FREE

**CONVENER**
Dr. Rakesh S. Purushottam
Professor and HOD - Dept. of ECE

**COORDINATORS**
Mr. K. Shankar Rao
Research and Development, Elevent Embedded Solutions

**DAY 1**
Mr. Vinod Kumar Ahuja
Head of center for excellence in IOT HITAM
1. Introduction to IOT
2. Various IOT processing devices Node MCU, raspberry pi, Arduino
3. Hands on sensors and actuators manual
4. IOT with AI (google assistance)
5. Cloud services and configuration

**DAY 2**
Mr. K. Shankar Rao
Research and Development, Elevent Embedded Solutions
1. Introduction to Raspberry Pi
2. Raspbian Jessie Installation
3. Installing libraries like python, numpy, panda
4. Pushing sensor data to cloud using python

**DAY 3**
Mr. Vinod Kumar Ahuja
Head of center for excellence in IOT HITAM
1. Sensor data analysis using Numpy, pandas with python
2. Data representation using Matplotlib

**DAY 4**
Mr. Ashish Mehta
Consultant IOT
1. IoT simulation environment using Blink
2. Hands on IOT sensors and actuators configuration using Blink

**DAY 5**
Mr. Vinod Kumar Ahuja
Head of center for excellence in IOT HITAM
1. IoT projects using google assistant
2. Blink configuration
3. Remote data monitoring and controlling using Blink
4. IoT based home automation projects and data monitoring in cloud and controlling via Blink

HYDERABAD INSTITUTE OF TECHNOLOGY & MANAGEMENT
Gowdavally (Village), Medchal (Dist.) - 501401, Telangana, India   www.hitam.org
In October 2020, ECE department of HITAM had MOU with SMARTRON India Private Limited, a Global Company which focuses mainly on product innovation, design, engineering, and also provides services and care through next gen of smart devices for various IoT verticals. Students will be provided hands-on training by expertise from SMARTRON in online and offline mode.
ECE Department has successfully conducted the Webinar on Nano Technology in October 2020.

It’s an infinitesimal thing that ushered in infinite possibilities!

A one Day National level webinar on “Insight into Nano Technology”

Convenor: Dr. Rahul Vivek Purselhi, Professor and HoD, Dept. of ECE, HITAM
Organizer: S. Veera Sowmya, Assistant Professor, Dept. of ECE

Date: Oct 20, 2020
Time: 11.30 AM - 12.30 PM
Registration: Free

Dr. Vaibhav A M
Professor & Head
Dept. of ECE, School of Engineering,
Dayananda Sagar University,
Bengaluru

Coordinator:
M. Pallavi
Assistant Professor, Dept. of ECE
N. Sindhu
Assistant Professor, Dept. of ECE
P. Santhosh
Assistant Professor, Dept. of ECE
M. Ravi
Assistant Professor, Dept. of ECE
N. Manjula
Assistant Professor, Dept. of ECE
CONGRATULATIONS!! Students from Department of ECE participated in a for a cause program with help of Bindhumadhavi and serviced to the community during odd times especially in this covid pandemic.

HITAM- FOR A CAUSE TEAM

Globally, the COVID-19 pandemic has shattered the lives of millions in India, the most affected are migrant laborers, daily – wagers, and foot-path vendors. Their sources of income were either partially or completely halted. At this crucial juncture, HITAM’s ‘For a Cause Team’ has come forward to help the deprived, orphans and the other needy.

As part of its community service, the team visited an orphanage located in Kukatpally and donated textbooks and school notebooks for the students of class 1 to 5th. They also donated cooking oil, rice, dals and many more. HITAM Principal Dr. J.Shiva Kumar appreciated HITAM- ‘For a Cause Team’ for their selfless service for the needy.