



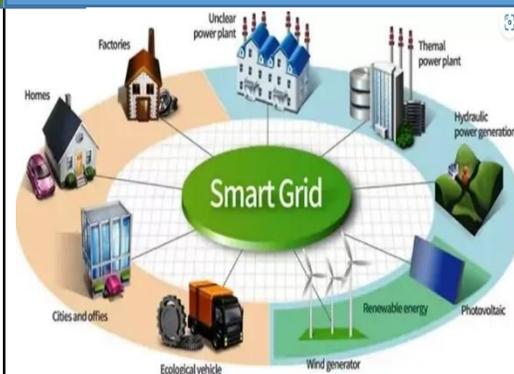
Sep 2022-Dec 2022 (Vol-14)

## VISION

*The Department of Electrical and Electronics Engineering strives to be a Centre of Excellence in Electrical Engineering in producing competent engineers.*

## MISSION

- 1. Adopt good teaching and learning methods*
- 2. Ensure competency in the emerging technologies*
- 3. To be accountable through self-evaluation and continuous improvement.*



## Learning Strategies



### Chief Editor

Dr.O.P. SURESH, HOD

### Editors

Ms. P. MADHAVI, Asst. Professor

HITAM-EEE  
News Letter



**HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT**  
**EEE DEPARTMENT**

***Program Educational Objectives***

**PEO1:** Graduates will have a successful technical or professional career, including supportive and leadership roles on multidisciplinary teams.

**PEO2:** Graduates will be able to acquire, use and develop skills as required for effective professional practices.

**PEO3:** Graduates will be able to attain holistic education which is an essential prerequisite for being a responsible member of society.

***Program Specific Outcomes***

**PSO1:** Analyze, Model, Test and provide engineering solutions in the areas related to electric drives, control, and power systems.

**PSO1:** Apply fundamentals of electrical engineering to simulate and develop electrical and electronic systems using MATLAB, and PSPICE tools.

## Department Achievements

- EEE Dept celebrated National Energy Conservation Day to drive mass awareness about the importance of energy efficiency and conservation on Dec 14<sup>th</sup>, 2022.



The poster features a central illustration of a green car with 'Eco' written on it, driving on a large green leaf. In the background, there are stylized buildings and wind turbines. The HITAM logo is in the top right corner. The main text reads: "ENERGY ISN'T ENDLESS! Awareness Session on ENERGY CONSERVATION Organised by Department of EEE". To the right, it says "NATIONAL ENERGY CONSERVATION DAY" and "14<sup>TH</sup> DEC '22 03:00 PM TO 04:00 PM @ ACTIVITY BLOCK". At the bottom, it lists the patron (Prof. P. Rajesh Kumar), convenor (Dr. O. P. Suresh), and student coordinator (Mr. E. Chakra Harish). Logos for IEEE HSB Sensors Council, Institution's Innovation Council, and IEEE Student Branch are also present. The footer includes the college name, accreditation details, and website information.

**ENERGY ISN'T ENDLESS!**  
**Awareness Session on ENERGY CONSERVATION**  
Organised by Department of EEE

**NATIONAL ENERGY CONSERVATION DAY**  
**14<sup>TH</sup> DEC '22**  
03:00 PM TO 04:00 PM  
@ ACTIVITY BLOCK

**PATRON**  
PROF. P. RAJESH KUMAR  
Principal, HITAM

**CO-CONVENOR**  
ER.S V SATHYANARAYANA  
Assistant professor, EEE

**CONVENOR**  
DR. O. P. SURESH  
Professor, EEE

**STUDENT COORDINATOR**  
MR. E. CHAKRA HARISH  
EEE

IEEE HSB Sensors Council  
HITAM

INSTITUTION'S INNOVATION COUNCIL  
(Ministry of HRD Initiative)

IEEE STUDENT BRANCH  
HITAM

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www.hitam.org  
Gowdavelly, Near Kompally,  
Medchal, Hyderabad, India.



### ***Department Industrial Visits***

- *III EEE students visited the HBL on 28<sup>th</sup> Dec 2022. The main objective is to Manufacturing of Batteries in intake of practical knowledge while producing the design of the product.*



- *II EEE students visited Quantum Energy on 25<sup>th</sup> Nov 2022. The main objective of this visit is all about learn new things by exploring the various parts of the industry. The visit focused on the manufacturing of EVs Electric Vehicles).*



## Faculty Achievements

- *Mr. S.V. Sathyanarayana from the EEE department was appointed as a Lead TLC on September 1<sup>st</sup> 2022. Under TLC Center, Mr.S.V.Sathyanarayana Conducted OBE Workshop. There were various interesting and knowledge imparting online sessions covered in the workshop. Dr. Suhasini Desai outlined the significance of accreditation and emphasized that Institutes must seek accreditation to improve the quality of technical education. She also motivated all the attendees to develop a passion and make self-commitments to achieve the mission of their Institutes and follow the outcome-based curriculum to promote OBE.*

**Session on Outcome Based Education (OBE)**

by **DR. SUHASINI DESAI**  
Former Associate Dean, Faculty of Education, MIT World Peace University, Pune  
Former Director, Teaching and Learning, MITWPU  
Professor in Mechanical Engineering

by **HITAM TEACHING LEARNING CENTRE**

**CHIEF PATRON**  
Dr. P. RAJESH KUMAR  
Principal, HITAM

**PATRON**  
Dr. SUGANDHA SINGH  
Dean - IIC

**CONVENOR**  
Mr S. V. SATYANARAYANA  
Lead TLC

**7<sup>TH</sup> & 8<sup>TH</sup> SEP '22**  
13.00 HRS - 15.00 HRS

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- *Ms. P. Madhavi, Asst Prof, EEE Department conducted a session under IIC on Angel Investment/VC Funding Opportunities for Early-Stage Entrepreneurs. Basic introduction regarding Angel Investment and the Types of Angel Investment. Under that, she continued with the difference between*

*Angel Investment and Venture capitalism. Then explained the statistics regarding Start-up funding in India as well as Active Angel Investors for start-ups and also describes India's Startup and Funding Opportunities; Indian Government initiatives to create a conducive Ecosystem for Emerging Businesses and Startups.*

**Session on**

**ANGEL INVESTMENT/VC FUNDING OPPURTUNITY FOR EARLY STAGE ENTREPRENEURS**

by **K.M.SUJATHA**  
ASSISTANT PROFESSOR  
EDC INCHARGE, HITAM

**8TH SEP 22**  
11:30AM TO 12:30PM

CHIEF PATRON	PATRON	CONVENER
Dr.P. RAJESH KUMAR Principal, HITAM	Dr. SUGANDHA SINGH Dean - IIC	Er P.MADHAVI Asst. Professor EEE

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**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HRD Initiative)

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Medchal, Hyderabad, India.

- *Ms. P. Madhavi, Asst Prof, EEE Department conducted a session under IIC Acceralators/Incubation - Opportunities for Students & Faculties Early-Stage Entrepreneurs. The session includes the difference between entrepreneurs and early-stage entrepreneurs and also what are the parameters we have to follow when any faculty wants to establish an incubator on the campus as well as benefits for the students. He discussed the difference between startup and Incubator and which one is preferable for*

*the students he concluded with projects should be done under academics and it should escalate to ATAL as well as or else with any NITIAYOG, by that projects should submit in ATAL.*



by **MR. BP PATNAIK**  
CEO of CGU  
Incubators, Odisha

**6<sup>TH</sup> SEP '22**  
2.00 PM TO 3.00 PM

CHIEF PATRON	PATRON	CONVENOR
<b>Dr. P. RAJESH KUMAR</b> Principal, HITAM	<b>Dr. SUGANDHA SINGH</b> Dean - IIC	<b>Er P. MADHAVI</b> Asst. Professor EEE

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Medchal, Hyderabad, India.

- *Mr. S.V. Sathyanarayana successfully completed the course entitled “Stress Management” and was awarded Elite in the period from August-September 2022.*



**Elite**

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to  
**SALAVA V SATYANARAYANA**  
for successfully completing the course

## Stress Management

with a consolidated score of **65** %

Online Assignments	25/25	Proctored Exam	39.8/75
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Total number of candidates certified in this course: **1257**

Aug-Sep 2022  
(4 week course)

  
**Prof. Debjani Chakraborty**  
Coordinator, NPTEL  
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22MG111S33692618

To validate the certificate



No. of credits recommended: 1 or 2

- *Mr. S.V. Sathyanarayana participated in the winter school theme sensors for industry 4.0: Roles, Challenges and applications organized by the IEEE sensors council, Hyderabad Chapter, held on 20-21<sup>st</sup> Dec at IIITH, Hyderabad.*



### ***Student Achievements***

- *The below Students attended the Project Expo conducted in BVRIT as a National level Technical Symposium, Promethean 2k22 in the month on October 22 and one batch got Third Prize in this competition with the title Mini E-Scooter.*

19E51A0212	SAI PREETHAM	National level Technical Symposium, Promethean 2k22	Soap Dispenser	Participation	Oct-22
20E55A0213	J. HARSHITH				
19E51A0211	MAYUK				
20E55A0203	KARTHIK				
20E55A0212	D.ANIL SAI	National level Technical Symposium, Promethean 2k22	Mini E-Scooter	Third Prize	Oct-22
20E55A0217	M.SOUMITH				
20E55A0216	V.VAMSI KRISHNA				
21E55A0232	SHAIK ABDUL ADIL				
19E51A0222	P. AKASH	National level Technical Symposium, Promethean 2k22	Speed Control of DC Motor Using Arduino	Participation	Oct-22
20E55A0218	ESHWAR VALMIKI				
19E51A0209	KRISHNA KANTH				

20E55A0210	CH. VAMSI KRISHNA				
20E55A0207	B. VISHWANTH	National level Technical Symposium, Promethean 2k22	Generation of Electricity using Pedalling Technology	Participation	Oct-22
19E51A0214	M.MANASA				
20E55A0230	V.SAI AKANAKSHA				
20E55A0201	SANDEEP KUMAR				

21E55A0209	G.ARTHI	National level Technical Symposium, Promethean 2k22	Arduino-Based Home Automation Using Bluetooth	Participation	Oct-22
21E55A0212	G.SHIVA SAI				
21E55A0213	G.MAHESH				
21E55A0216	K.SATHWIKA				



- The below Students attended the Project Expo conducted in IARE as a Project Expo-Consortium in the month on November 22 and one batch got Second Prize in this competition with the title IoT-based college Bus Tracking and Monitoring System.

20E55A0207	B.VISHWANTH	Project Expo-Consortium	IoT-based college Bus Tracking and Monitoring System	Second Prize	Nov-22
19E51A0214	M.MANASA				
20E55A0230	V.SAI AKANAKSHA				
20E55A0212	D.ANIL SAI				
20E55A0202	AMAN KUMAR CHOUDHARY	Project Expo-Consortium	Smart Dustbin	Participation	Nov-22
19E51A0218	N.PRANAY				
20E55A0205	B.PRAVEEN				

21E55A0222	M.UDAY KIRAN	Project Expo-Consortium	Smart Attendance System	Participation	Nov-22
21E55A0230	P.MAHESH BABU				
21E55A0231	S.YASHWANTH				



**IARE**  
INSTITUTE OF  
AERONAUTICAL ENGINEERING

Dundigal, Hyderabad - 043, Telangana, India. [www.iare.ac.in](http://www.iare.ac.in)






## CONSORTIUM-22

A NATIONAL LEVEL STUDENTS' TECHNICAL FEST

24-25 NOVEMBER 2022

### CERTIFICATE OF MERIT

This is to certify that Mr/Ms \_\_\_\_\_ **B Vishwanth** \_\_\_\_\_ has secured  $\frac{1}{11}$ / $\frac{11}$  position in \_\_\_\_\_ **Innovate - Project Expo** \_\_\_\_\_ event conducted on November 24-25 in the Consortium 2022, a National Level Students' Technical Fest



**Dr. D Shobha Rani**  
Convener





**Dr. L V Narasimha Prasad**  
Principal

- *Students from 2<sup>nd</sup> and 3<sup>rd</sup> EEE participated in the winter school theme sensors for industry 4.0: Roles, Challenges and applications organized by the IEEE sensors council, Hyderabad Chapter, held on 20-21<sup>st</sup> Dec at IIITH, Hyderabad.*

