



Hyderabad Institute of Technology And Management



ISSUE of July 2023– December 2023

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Where dreams find
their path to reality.



Department of ECE News Letter .

Editorial Team: Dr. S V Devika

(Editor-in-chief) .

Mr. Kondalarao Punati

(Editor)

Chief Patrons :

▪ **Sri. Prashanth Arutla**
(Chairman Royal Educational Society)

▪ **Dr. Rajesh Panakala**
Principal, HITAM



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NEWS LETTER

Vision and Mission of Institute

Vision of Institute:-

“To be a role model technological university of national repute that imparts research-based multi-disciplinary competencies in students to enable their career aspirations and contribute to society.”

Mission of Institute:-

Build students' competencies through HITAM's 'Doing Engineering' approach with relevant curriculum, pedagogy and assessment.

Collaborate with industry and institutions for capacity building in research, innovation and real time knowledge.

Develop employability skills for emerging trends and societal needs

Excel by adopting NEP 2020 and improving accreditations & national rankings.



NEWS LETTER

Vision and Mission of Department

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



Program Educational Objectives (PEOs)

Program Educational Objectives

PEO1: Our graduates will be competent enough to work in team for IT as well as for core electronic industry globally

PEO2: Graduates will be leading a successful career in the research and development

PEO3: Our graduates will be addressing societal needs through multidisciplinary engineering projects approach



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NEWS LETTER

Publications

Faculty of ECE presented papers in IEEE Conference.

Dr. Devika SV

Ms. Bindu Madhavi

Mr. Kondala Rao Punati





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NEWS LETTER

Achievements in July

- 3 faculty completed final stage of IIIIECP presentation
Dr. Rajeswar Goud
Ms. Tejaswi
Mr. Santhosh
- Consultancy project on “PCB Design” to Dr. Rajesh Kumar,
Professor of ECE and Principal. Cost of Rs. 50 L
- 4 papers got Accepted for REES conference
Dr. Devika SV (3 Papers)
Mr. Santhosh p (1 Paper)



NEWS LETTER

1. Appreciate Mrs. Bindu Madhavi and team for TEDxHITAM Success

Special appreciation to our prestigious Alumni Mr. Rahil and Ms. Shivani who are Chair and co-chair of TEDx worked hard 24x7 for successful conduction of TEDx

Appreciation

3. Special Appreciation to Ms. Akshitha of III year ECE for being Anchor/Moderator of the entire program of TEDxHITAM



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NEWS LETTER

Achievements

Satellites Unbound: The Small Sats Revolution

Editor/Authors
Prof. K Ch Sri Kavya, Dr. S. V. Devika
Dr. A. Ramakrishna, Prof. K. Sarat Kumar



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SATELLITES UNBOUND: THE SMALL SATS REVOLUTION

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DR. A. RAMAKRISHNA, PROF. K. SARAT KUMAR

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Published & Printed by SS Consulting LLP, India

- ❑ Published textbook along with my guide on “ Satellites unbound: The Small Sats Revolution” with ISBN: 978-81-964894-1-0
- ❑ Ms. Tejaswi patent got published titled “Conversion of noise to electricity through Resonance”
- ❑ III year student Mr. Yesho pavan was offered Internship with Rs. 15,000 per month by Prof. Jayaraman Sir



NEWS LETTER

Publications

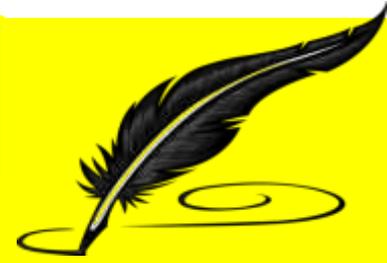
Research Publication achievements:

- 1) Mr. Kondal Rao presented paper in IEEE conference titled “A Smart Governance Architecture for Integrating Heterogeneous IoT solutions within the framework of smart cities”
- 2) Dr. Devika presented paper in IEEE conference titled “ Smart Modular few-shot Learning framework changes classification of signal Modulation”
- 3) Dr. Devika published a paper in Springer conference titled “Detection of Cyberbullying in Social Media Using Machine Learning Techniques”
- 4) Mrs. Bindu Madhavi presented paper in IEEE conference titled “Novel ultrasonic image reconstruction and deep learning model based categorization for accurate liver disease diagnosis”
- 5) Ms. Tejaswi published paper in UGC journal titled “A unique approach to noise to electricity generation



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NEWS LETTER

IEEE DAY





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NEWS LETTER



THE 'BIT' THAT DOES QUITE A BIT...

DR. ANURAG PALLAVI
Professor & H.O. SII Department
HNG Institute of Technology (HNGIT)

DEC 11, 2023
Start at 11:00 AM
@ Hyderabad IITM (HITAM)

A webinar on 'Exploring MSP430 Microcontroller - Unveiling the Complete Subsystem'

CHIEF PATRON Dr. P. RAJESH KUMAR Principal, HITAM	PATRON Dr. RAJESHWAR GOUD HoD, HITAM	CONVENORS P. SANTOSH Asst. Professor ECE, HITAM	V. TEJASWI Asst. Professor ECE, HITAM
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Hyderabad, India



THE 'BIT' THAT DOES QUITE A BIT...

Mr. Samarth Kulkarni
Embedded system Engineer
EdGate Technologies, Bangalore

DEC 15, 2023
Start at 10:00 AM
Venue: G25

A workshop on ' Exploring MSP 430 Microcontroller'

CHIEF PATRON Dr. P. RAJESH KUMAR Principal, HITAM	PATRON Dr. RAJESHWAR GOUD HoD, HITAM	CONVENORS Mr. R. Jagadeesh Asst. Professor ECE, HITAM	Organizers Mrs. M. Rani Asst. Professor ECE, HITAM	Mr. P. Santosh, Asst. Professor Mrs. Y. Tejaswi, Asst. Professor
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Training Program





NEWS LETTER

- ❖ Dr. Bindhu Madhavi received Doctorate from Lovely professional university

Title: “Design and optimisation of low power high performance triple gate FinFET for sub 22nm technology”

Congratulations

- ❖ Faculty got Ph.D Admission in Mohanbabu University

1. Mrs V M Rani
2. Mr P Kondala Rao



NEWS LETTER

Publications/Conferences:

- 1) P. Santhosh, Dr. J.Rajeshwar Goud and M. Rani presented paper in international conference titled “GSM based automated watering system for plants”
- 2) Dr. J. Rajeshwar Radiation Shielding Chamber. Indian patent 396933-001, filed on 06 October 2023 and registered on 22/12/2023.

Student Publications:

- 1) Mr. P Santhosh published paper in UGC journal titled “FPGA Based Implementation of Hamming Encoder and Decoder”
- 2) Mr. P Santhosh published paper in UGC journal titled “Detection of Blood cells and Cancer cells in Human body samples using microscopic images”
- 3) Mrs. M Rani published paper in UGC journal titled “motion activated classrooms light”
- 4) Mrs. M Rani published paper in UGC journal titled “dual tone multi frequency controlled robot car”
- 5) Mrs V Tejaswi published paper in UGC journal titled “Real Time Navigation Robot Using Path Memorizing Algorithm”
- 6) Mr. T Venkanna Babu published paper in UGC journal titled “Efficient Railway Track Crack Detection System”
- 7) Mr. P Kondala Rao published paper in UGC journal titled “A Personalized Plant Monitoring Solution with ESP32”

Publications in December



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NEWS LETTER

Student Hackathon:

Ravi (21E55A0413), Kaushik (20E51A0424), Sai kiran (20E51A0413) and Vijay (21E55A0404) won **1st prize** in INEX International at Gulbarga, Karnataka.

Congratulations for the
Award

