



Hyderabad Institute of Technology And Management



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Where dreams find
their path to reality.



Department of ECE News Letter .

Editorial Team: Dr. J Rajeshwar Goud
(Editor-in-chief) .

Mr. Kondalarao Punati
(Editor)

Chief Patrons :

- Sri. Prashanth Arutla
(Chairman Royal Educational Society)
- Dr. Rajesh Panakala
Principal, HITAM



HITAM
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Hyderabad Institute of Technology And Management



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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*



Hyderabad Institute of Technology And Management



NEWS LETTER

Achievements



Dr. SV Devika from Department of ECE received an honorary award from IUCEE (Indo-US Collaboration for Engineering Education) is quite an achievement.



NEWS LETTER

Student Achievements

- ❖ The 22E51A0436-PEDDINTI HERAMBA SAI GANESH selected as Ambassador for IEEE WIE ILS Chennai 2024.
- ❖ 22E51A0417- GANGI REDDY SHAYANIDHI REDDY successfully completed Data Analysis by Microsoft and LinkedIn.
- ❖ 22E51A0439- R SAI SRUJAN & 22E51A0410-D NAGA VARUN GOUD successfully completed summer IBM Skill build internship on Front end Web Development.



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NEWS LETTER

- 23E55A0406-V.Sai Krishna successfully completed System design through verilog NPTEL course.
- Ravi Krishna, Joshuva, and Deepak of III ECE for being selected for the Parasailing training camp.

Students Achievements



NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
VELDANDI SAI KRISHNA
for successfully completing the course
System Design Through Verilog

with a consolidated score of **56** %

Online Assignments	16.67/25	Proctored Exam	39/75
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Total number of candidates certified in this course: **2329**

Jul-Sep 2024
(8 week course)

T.V. Bharat
Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

swayam





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NEWS LETTER

Faculty Achievements

- Mr. PNV Naveen published a book chapter (Scopus) “Advanced Aquaculture Management: A Smart System for Optimizing Oxygen Levels, Shrimp Health Monitoring ” Smart Factories for Industry 5.0 Transformation in Manila Typesetting Company .
- Mr. T Venkanna Babu presented a paper (Scopus) “A Novel Approach to Implement a 4-Bit Vedic Multiplier Using Reversible Techniques” ICCCNT, IIT-Mandi.
- Dr. B Lokeshwara Rao published a patent “Design and High-Performance Broadband Microstrip Patch Antennas for 5G Communication” India.
- Mr. P Santhosh and Mr. T Venkanna Babu “INTELLIGENT PATH TRAVEL COST ESTIMATION IN LARGE-SCALE NETWORKS USING ADVANCED MACHINE LEARNING” India.



NEWS LETTER

Faculty Achievements

- P Kondala Rao published paper in IEEE Xplore Conference paper (scopus) “An Efficient Shortest Path Optimized Algorithm For Vehicle Adhoc Networks System”
- Dr. S. V. Devika and Dr. K Bindu Madhavi presented (Scopus) “A Case study on Transformation of the Green Campus into Smart campus- Impact of Emerging Technology in UG Engineering students” at MLRIT_ICASMMT conference.



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NEWS LETTER

- Dr. S. V. Devika completed refresher course “Foundation of Teaching for Learning: curriculum”.

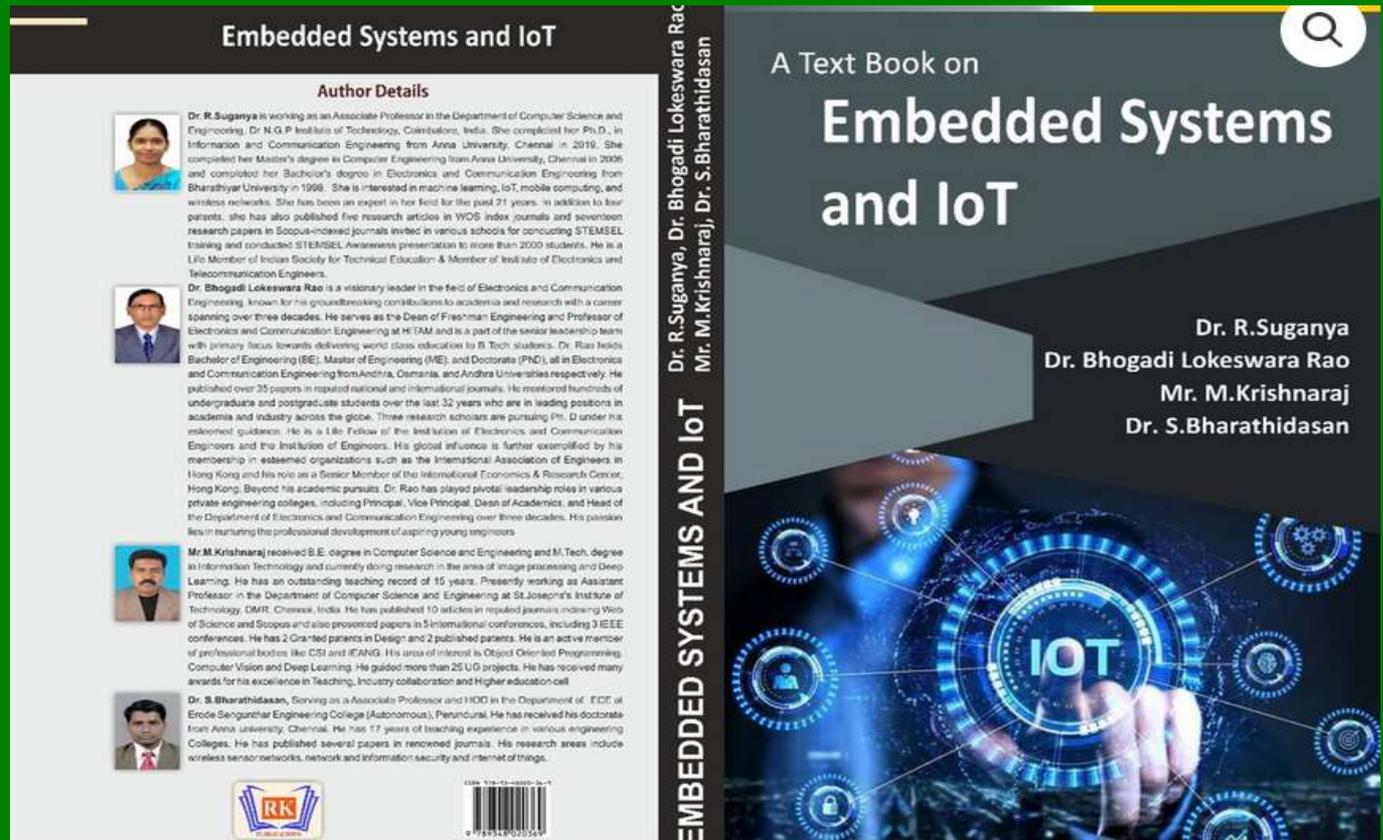
Achievements



NEWS LETTER

- Dr. B Lokeshwara Rao published a book in “ Embedded system and IOT” in RK publications.

Achievements



Embedded Systems and IoT

A Text Book on

Embedded Systems and IoT

Dr. R.Suganya
Dr. Bhogadi Lokeshwara Rao
Mr. M.Krishnaraj
Dr. S.Bharathidasan

EMBEDDED SYSTEMS AND IOT

Author Details

Dr. R.Suganya is working as an Associate Professor in the Department of Computer Science and Engineering, Dr. N.G.P Institute of Technology, Coimbatore, India. She completed her Ph.D., in Information and Communication Engineering from Anna University, Chennai in 2010. She completed her Master's degree in Computer Engineering from Anna University, Chennai in 2006 and completed her Bachelor's degree in Electronics and Communication Engineering from Bharathiyar University in 1998. She is interested in machine learning, IoT, mobile computing, and wireless networks. She has been an expert in her field for the past 21 years. In addition to her parents, she has also published five research articles in WOS index journals and seventeen research papers in Scopus-indexed journals in various schools for conducting STEM/SEL training and conducted STEEMSEL awareness presentations to more than 2000 students. He is a Life Member of Indian Society for Technical Education & Member of Institute of Electronics and Telecommunication Engineers.

Dr. Bhogadi Lokeshwara Rao is a visionary leader in the field of Electronics and Communication Engineering, known for his groundbreaking contributions to academia and research with a career spanning over three decades. He serves as the Dean of Freshman Engineering and Professor of Electronics and Communication Engineering at HITAM and is a part of the senior leadership team with primary focus towards delivering world class education to B.Tech students. Dr. Rao holds Bachelor of Engineering (BE), Master of Engineering (M.E), and Doctorate (PHD), all in Electronics and Communication Engineering from Andhra, Odisha, and Andhra Universities respectively. He published over 25 papers in reputed national and international journals. He mentored hundreds of undergraduate and postgraduate students over the last 32 years who are in leading positions in academia and industry across the globe. Three research scholars are pursuing Ph. D under his esteemed guidance. He is a Life Fellow of the Institution of Electronics and Communication Engineers and the Institution of Engineers. His global influence is further exemplified by his membership in esteemed organizations such as the International Association of Engineers in Hong Kong and his role as a Senior Member of the International Economics & Research Center, Hong Kong. Beyond his academic pursuits, Dr. Rao has played pivotal leadership roles in various private engineering colleges, including Principal, Vice Principal, Dean of Academics, and Head of the Department of Electronics and Communication Engineering over three decades. His passion lies in nurturing the professional development of aspiring young engineers.

Mr. M.Krishnaraj received B.E. degree in Computer Science and Engineering and M.Tech. degree in Information Technology and currently doing research in the area of image processing and Deep Learning. He has an outstanding teaching record of 15 years. Presently working as Assistant Professor in the Department of Computer Science and Engineering at St. Joseph's Institute of Technology, DMR, Chennai, India. He has published 10 articles in reputed journals indexing Web of Science and Scopus and also presented papers in 5 International conferences, including 3 IEEE conferences. He has 2 Granted patents in Design and 2 published patents. He is an active member of professional bodies like CSI and IEANG. His area of interest is Object Oriented Programming, Computer Vision and Deep Learning. He guided more than 25 UG projects. He has received many awards for his excellence in Teaching, Industry collaboration and Higher education-cell.

Dr. S. Bharathidasan, Serving as an Associate Professor and HOD in the Department of ECE at Erode Sengunther Engineering College (Autonomous), Perundurai. He has received his doctorate from Anna University, Chennai. He has 17 years of teaching experience in various engineering Colleges. He has published several papers in renowned journals. His research areas include wireless sensor networks, network and information security and internet of things.

RK Publications

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NEWS LETTER

- The students of III ECE presented their projects to the professors of Aalborg University as part of PBL implementation highlights the impact of industry-academia collaboration and global exposure. Aalborg University is well known for its strong PBL-based education model, so this is a valuable experience for both students and faculty.

Achievements

 **Xiangyun Du** · 3rd
Director and professor at UNES... Following
1d

The most meaningful way to know how teachers have learned about pedagogy is through observing what their students do. As an outcome our our first cohort of institutional transformation via and towards PBL HITAM Hyderabad Institution of Technology and Management, we see the students outcomes - team based project work providing solutions to local problems. The students do not only worked out practical solutions but also team based project reports. Mostly impressively they all write research articles which will be submitted to scientific journals. Well done for her two students.

Congratulations on the achievements. Thanks to the local coordinator [Surendra Bandi](#). Thanks for our UCPBL team on this project [Aida Guerra Juebei Chen](#).

Good to have colleagues visiting together and providing feedback to students [Henrik Worm](#) [Routhe Euan Lindsay](#)



60 9 Reposts



NEWS LETTER

Achievements

- Dr. K Bindu Madhavi and V. M Rani published a paper (Scopus) “Innovative Teaching in Engineering Education Transformation” in Journal of Engineering Education Transformations
- V M rani published a Indian patent “AI-Driven student outcome tracking device”.
- V M rani published a Indian patent “AI based device for evaluating academic performance”.
- P Santhosh published a UK patent “Mapping Device to Analyse Psychology of the Consumer”



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NEWS LETTER

- Studnets of ECE final years visited Olectra(Automotive) and students had a valuable learning experience during their visit to Olectra.

Visit to Olectra

