



# **MAHATMA GANDHI INSTITUTE OF TECHNOLOGY**

**Gandipet, Hyderabad**

**Department of Electronics and Communication Engineering**

## **NEWSLETTER JANUARY 2025 VOLUME 13 ISSUE 2**



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## ECE BLOCK:



**Vision Statement:** The Vision of the Department is to strive towards the development and dissemination of knowledge in the areas of Electronics and Communication Engineering and empower young engineers to acquire technical excellence imbued with ethical and moral values that leads to collective global success.

### Mission Statement:

**M1:** To inspire and motivate the students to acquire knowledge to develop and serve the industry and society with great zeal.

**M2:** To impart value based technical education of global standards and transform the students into disciplined, talented citizens of impeccable character.

**M3:** Fused the students with hands on training to make them good entrepreneurs.

**M4:** Emphasis to develop social, cultural, ethical and environmental consciousness and life-long learning.

## EDITORIAL BOARD:

### FACULTY:

Dr. S. P. Singh

Dr. D. Venkat Reddy

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Mr. P. Vinod Reddy

Mr. D. Anji Reddy

N.Y.Karthikey

Jupalli Sindhu

Richa Mishra

## PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- I. Graduates will possess a strong foundation in Mathematics, Science, and core engineering principles, equipping them to analyze and solve real-world challenges in Electronics and Communication Engineering.
- II. Graduates will develop expertise in advanced areas of Electronics and Communication Engineering, with a focus on research, innovation, and the application of modern engineering tools.
- III. Graduates will demonstrate effective teamwork, creativity, and the ability to collaborate in multidisciplinary teams, addressing technical and business challenges while promoting sustainability.
- IV. Graduates will cultivate a commitment to lifelong learning, professional ethics, cultural responsibility, environmental consciousness, and responsiveness to industry and societal needs.

### International Journals:

1. Maheswari, M., Ahamed Ayoobkhan, M.U., Shirley, C.P., **Lakshmi, T.R.V.**, “**Optimized attention-induced multihead convolutional neural network with efficientnetv2-fostered melanoma classification using dermoscopic images**”, Medical and Biological Engineering and Computing, November 2024, 62(11), pp. 3311–3325 (Scopus).
2. Gollapudi, V.M., Madhuli, A.S., Kartik, R., **Vijaya lakshmi, T.R.**, Reddy, C.V.K., “**Analysis of Image Quality and Video Denoising Using Convolutional Neural Networks**”, Advances in Signal Processing and Communication Engineering (ICASPACE 2023), Lecture Notes in Electrical Engineering, 4<sup>th</sup> July 2024, 1157, pp. 175–192 (Scopus).
3. Mahalakshmi Baladhandapani, Shoaib Kamal, Chevella Anil Kumar, Jegajothi Balakrishnan, **Segu Praveena**, EzudheenPuliyanjilil, “**Golden jackal optimization-based clustering scheme for energy aware vehicular ad-hoc networks**”, Indonesian Journal of Electrical Engineering and Computer Science, ISSN: 2502-4752, Vol. 36, No. 2, November 2024, pp. 942~951. DOI: 10.11591/ijeecs.v36.i2.pp942-951. (Scopus).
4. **D.Subhashini**, V. B. S. Srilatha Indira Dutt, “**Optimized deep networks for road extraction using satellite images**”, Signal, Image and Video Processing, 15th Dec 2024, <https://doi.org/10.1007/s11760-024-03683-3> (Springers).
5. Mrs. Meghana Nuthalapati, Avita Jain Fuskele, **Ch. Raja**, S.Balamuralitharan, Santhosh kumar S., Ayalasomayajulu, Sneha, “**Towards Autonomous Engineering: Integrating Intelligent Systems for Smart Solutions**”, International Journal of Intelligent Systems and Applications in Engineering (IJISAE), August 2024,ISSN:2147-6799, Volume: 12(23s), Page No: 2979 – 2985 (**Scopus & UGC, Ranking Q4**)

### International Conferences:

1. **A Bala Raju, S P Singh**, and Dhiraj Sunehra “**A Two Forty Phase Coded signal design with good correlation properties**”, Lecture Notes in Electrical Engineering, vol 1157, Springer, Singapore. [https://doi.org/10.1007/978-981-97-0562-7\\_4](https://doi.org/10.1007/978-981-97-0562-7_4), Print ISBN 978-981-97-0561-0, Online ISBN 978-981-97-0562-7, 04 July 2024, pp-581-590, [https://doi.org/10.1007/978-981-97-0562-7\\_48](https://doi.org/10.1007/978-981-97-0562-7_48).
2. **S P Singh, D V S Nagendra Kumar** and Anupam sharma, “**Signal Design For High Range Resolution Radar**”, Lecture Notes in Electrical Engineering, vol-1157, Springer, Singapore. [https://doi.org/10.1007/978-981-97-0562-7\\_4](https://doi.org/10.1007/978-981-97-0562-7_4), Print ISBN978-981-97-0561-0, Online ISBN978-981-97-0562-7, 04 July 2024, pp 55-64, [https://doi.org/10.1007/978-981-97-0562-7\\_4](https://doi.org/10.1007/978-981-97-0562-7_4).
3. **J. Snehalatha**, Ashish Singh, “**A Review on Classification and Performance Analysis of Wideband Low Noise Amplifier**”, 2024 International Conference on Social and Sustainable Innovations in Technology and Engineering (SASI-ITE) Year: 2024, Publisher: IEEE ISBN:979-8-3503-6079-0, 29 July 2024.

## FACULTY PUBLICATIONS CONTD...

4. S G Rahul; R Rajkumar; Rudrakonda Sai Kumar Abburi; B. Trivikram Reddy; **Ch. Raja**, K.Pavan Teja, **“Condition Monitoring of Greenhouse Farming for Controlled Environment”**, Proceedings of 3rd International Conference for Advancement in Technology, GOA, India, IEEE Bombay Section is hosted by the Department of Information Technology, Rajarambapu Institute of Technology (RIT), Rajaramnagar, Sangli District, MH State, ISBN: 979-8-3503-5418-8, 06-08 Sept2024. **(IEEE Conference & Scopus Indexed)** PP.89-94. <https://doi.org/10.1109/ICONAT61936.2024.10775257>.

**Two Day All India Seminar on “Role of Artificial Intelligence in Technological Advancements in Aerospace and Defence Industries” Organized by The Institution of Engineers (India), TELANGANA STATE CENTRE, Under the aegis of Electronics & Telecommunication Engineering Division Board in association with Mahatma Gandhi Institute of Technology Gandipet, Hyderabad.**

1. **Dr S Siva Reddy, Dr S P Singh, Ms. Archana Yadav**, Dept. of ECE, MGIT, Hyderabad, presented a paper on **“Role of Artificial Intelligence in Technological Advancements in Aerospace and Defence Industry”**, in Two Day All India Seminar on “Role of Artificial Intelligence in Technological Advancements in Aerospace and Defence Industries”, organized by The Institution of Engineers (India) from 27th to 28th December, 2024.
2. **Venkata Sriram K, Anoop Dorepally, and A Bala Raju**, Dept. of ECE, MGIT, Hyderabad, presented a paper on **“AI & IoT Driven Disaster Management System for Indian Defence Applications”**, in Two Day All India Seminar on “Role of Artificial Intelligence in Technological Advancements in Aerospace and Defence Industries”, organized by The Institution of Engineers (India) from 27th to 28th December, 2024.
3. **Ms.Archana Yadav, Dr S P Singh, FIE and Dr S Siva Reddy**, Dept of ECE, MGIT, Hyderabad presented a paper on **“The Application of Artificial Intelligence in Aerospace Engineering”**, in Two Day All India Seminar on “Role of Artificial Intelligence in Technological Advancements in Aerospace and Defence Industries”, organized by The Institution of Engineers (India) from 27th to 28th December, 2024.

## GUEST LECTURES

The Department is conducting guest lectures in different fields to enhance the knowledge of the students in the topics beyond the syllabus. The list of guest lectures conducted is given below.

### Guest Lecturers conducted by ECE dept during July to Dec 2024:

S.NO	NAME OF THE EVENT	DATE	RESOURCE PERSON/ORGANIZATION	NO. OF PARTICIPANTS
1	Guest lecture on “On Chip to Career- Bridging Campus to Corporate in the Semicon Industry”	12-08-2024	Mr. M.Naga Sitaram, Delivery Manager, BITSILICA Pvt. Ltd., Hyderabad	60
2	Guest lecture on “Design and Verification using Verilog”	27-09-2024	Mr Ranveer Singh, Head University Relations, Truechip organization, New Delhi	120
3	Guest lecture on “Why VLSI as career”	27-09-2024	Mr Shashikant Sharma, Design Engineer, Futurewiz, Noida	120
4	Guest lecture on “Career in Management after Engineering”	13-11-2024	Mr.Puneeth Sharma, Chief Mentor, IMS Hyderabad	140
5	Guest lecture on “Artificial Intelligence in Space Electronics Warfare”	28-12-2024	Dr AK. Singh, Sc-G & Project Director, DLRL, Hyderabad	52

## FDP/STTP/WEBINARS/COURSES ATTENDED BY FACULTY

S. No.	Name of the Faculty Member, Designation & Dept.	Title of the FDP's/ Seminars/Workshop's/ Courses attended	Date(s) of the Event	Organization
1.	<b>Dr.V.Saidulu, Asst. Professor, ECE Dept</b>	Data Science using R Programming	06-08-2024 to 10-08-2024	MGIT
2.	<b>Mrs.D.Subhashini, Asst. Professor, ECE Dept</b>	Robotics and Industrial Automation.	04-11-2024 to 09-11-2024	CBIT
3.	<b>Mrs.D.Subhashini, Asst. Professor, ECE Dept</b>	Usage of Deep Learning, Machine Learning and Artificial Intelligence towards Smart mobility	16-12-2024 to 21-12-2024	KL University
4.	<b>Mrs.D.Subhashini, Asst. Professor, ECE Dept</b>	Data Science using R Programming	06-08-2024 to 10-08-2024	MGIT
5.	<b>Mrs.D.Subhashini, Asst. Professor, ECE Dept</b>	All India Women Academicians Conference Envisioning New Bharath	21-09-2024 to 21-09-2024	ICSSR, OU, Hyderabad
6.	<b>Ms. J.Snehalatha, Asst. Professor, ECE Dept</b>	Emerging Technologies And Their Applications In Computational Sciences	25-10-2024 to 29-10-2024	Stanley College of Engineering and Technology for Women, HYD
7.	<b>Dr. Y Praveen Kumar Reddy, Asst. Professor, ECE Dept</b>	IoT Enabled Sensor Technology for Industry 5.0	04/11/2024 to 09/11/2024	ATAL, New Delhi
8.	<b>Mrs.B.Roopa, Asst. Professor, ECE Dept</b>	IoT Enabled Sensor Technology for Industry 5.0	04/11/2024 to 09/11/2024	ATAL, New Delhi
9.	<b>Mr.P Vinod Reddy, Asst. Professor, ECE Dept</b>	Preparing Students for Placements and Higher Studies	05/08/2024 to 09/08/2024	NITTR, MGIT

## STUDENTS ACHIEVEMENTS

### SPORTS ACHIEVEMENTS:

S.No.	Name of the student	Details of Sports	Organization	Date/Achievement
1	Lasya Koratmaddi (22261A04F8)	Basket Ball	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 First prize
2	Venkat (22261A04B2)	Volley Ball	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 Second prize
3	Anwitha Pemmasani (22261A0405)	Throw Ball	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 Second prize
4	Shanmukha Srinivas (22261A0483)	Table Tennis doubles	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 First prize
5	Raj Kumar (23261A04D9)	Cricket	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 Second prize
6	Nikhil S Kallakuri (22261A04G5)	Football	TEJAS 2K24, Vardhaman college of Engineering	28-10-2024 to 30-10-2024 Third prize
7	Varshitha (23261A0448)	Basket Ball	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 First prize
8	Angelina (23261A0478)	Basket Ball	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 First prize
9	Shreya (24261A0425)	Basket Ball	Ekalavya-2024,MGIT	22-11-2024 to 23-22-2024 First prize
10	Sarah Aishwarya (22261A0452)	Basket Ball	Ekalavya-2024,MGIT	22-11-2024 to 23-12-2024 First prize

## GRE/TOFEL/GATE/CAT/IELTS INFORMATION

Name of the Student	GRE	TOFEL	IELTS	GATE Rank	Duolingo/ CAT/ CMAT	Date
	(340)					
Malleswari Mula			6.5			16-11-2024
Jumpalla Usharani		98				24-11-2024
Narra Bharath Reddy					130	27-07-2024
K Venkata Sriram	-	-	7.5	-	-	29-12-2024
N Abhiram Reddy	-	-	-	-	88.17	24-11-2024
D Archana	-	95	-	-	-	01-12-2024
G Sahasra	327	-	-	-	-	18-11-2024



## WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS

S.No.	Name of the student	Details of Internship/ Seminar/ Workshop	Organization	Date/ Achievement
1	M.Naren Reddy (22261A0440)	Internship On “Robotics”	WISSENSQUELLE, ONLINE	01-08-24 to 30-09-24 Completed
2	K. Navyasri (23265A0409)	Course completed On “Crash course on Python”	COURSERA, ONLINE	01-10-2024 Completed
3	Nookala Sreeshanth Kumar (22261A04B0)	Course completed On “Machine Learning and Deep Learning - Fundamentals and Applications “	NPTEL, SWAYAM, ONLINE	July 2024 to October 2024 Completed
4	Nookala Sreeshanth Kumar (22261A04B0)	Participated in “ Internal Hackathon”	MGIT, HYDERABAD	03-09-2024 to 04-09-2024 Participation
5	Nookala Sreeshanth Kumar (22261A04B0)	Course completed On “Machinelearning Onramp”	MATHWORKS TRAINING SERVICES, HYDERABAD	16-07-2024 Completed
6	Barathala Sai Chetan (22261A0410)	Course completed On “NPTEL course on Data base management system”	NPTEL, SWAYAM, ONLINE	July 2024 to October 2024 Completed
7	Barathala Sai Chetan (22261A0410)	Participated in “Finalist in TiE Grad inter college Startup pitching completion”	TIE PLUS GRAD, HYDERABAD	2024 Participation
8	Konakanchi Hema Koustubha (22261A04A0)	Course completed On “Amazon web services”	EDIGLOBE KSHITI, IIT KARAGPUR	Two months Completed
9	N V Sruvan Kumar (22261A04G4)	Course completed On “Machine learning Onramp”	MATHWORKS TRAINING SERVICES, HYDERABAD	07-11-2024 Completed
10	N V Sruvan Kumar (22261A04G4)	Course completed On “Bluetooth LE Fundamentals”	DEVACADEMY, DELHI	22-11-2024 Completed
11	N V Sruvan Kumar (22261A04G4)	Course completed On “Semiconductor Fabrication”	PURDUE UNIVERSITY, TEXAS	25-10-2024 Completed
12	N V Sruvan Kumar (22261A04G4)	Course completed On System design using Verilog- NPTEL	NPTEL, SWAYAM, ONLINE	July 2024 to September 2024 Completed
13	N V Sruvan Kumar (22261A04G4)	Training completed on “Internship& Job preparation”	INTERNSHALA, ONLINE	4 Weeks 13-10-2024 Completed
14	Syamala Vivek Reddy (21261A04J1)	Internship on Salesforce Developer Virtual	SMARTINTERNZ, MAHARASTRA	03-09-2024 Completed successfully
15	K Sidhisree (21261A0427)	Internship on Design and implementation of Matched filter	ADVANCED SYSTEM LABORATORY, DRDO	9-09-2024 to 8-11-2024 Completed successfully
16	B.Nanduja (21261A0476)	Course on Python Programming	CODSOFT, ONLINE	01-08-2024 to 31-08-2024 Completed successfully
17	B.Nanduja (21261A0476)	Internship on SAWIT.AI Learnathan	GUVI, HCL COMPANY	02-10-2024 Completed successfully
18	Sushma Sri Vennapusa (21261A04J7)	Internship on Salesforce Developer Virtual Internship	SMART INTERNZ, MAHARASTRA	03-09-2024 Completed successfully

## WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS CONTD...

S.No.	Name of the student	Details of Internship/ Seminar/ Workshop	Organization	Date/ Achievement
19	Sushma Sri Vennapusa (21261A04J7)	Internship on Salesforce Developer Virtual Internship	SMART INTERNZ, MAHARASTA	03-09-2024 Completed successfully
20	Shaik Shaziya Sulthana (21261A04H9)	Internship on Salesforce Developer Virtual Internship	SMART INTERNZ, MAHARASTA	02-07- 2024 Completed successfully
21	Shaik Shaziya Sulthana (21261A04H9)	Full stack web development and AI with Python	UDEMY, ONLINE	28-07-2024 Completed successfully
22	Koyada Venkat Sai Sumanth (22265A0418)	Internship on Salesforce Developer Virtual Internship	SMART INTERNZ, MAHARASTRA	02-07- 2024 Completed successfully
23	Kotte Saikiran (21261A04F6)	Course on Programming with JavaScript	COURSERA, ONLINE	12-07-2024 Completed successfully
24	Sushma Sri Vennapusa (21261A04J7)	Internship on Salesforce Developer Virtual Internship	SMART INTERNZ, MAHARASTRA	03-09-2024 Completed successfully
25	Palle Shivam Goud (21261A0445)	Internship on Analysis of Radiation Monitoring System	ECIL, HYDERABAD	21-06-2024 Completed successfully
26	Kunkuma Shashank (21261A04F8)	Internship on Salesforce Developer Virtual Internship	SMART INTERNZ, MAHARASTRA	03-09-2024 Completed successfully
27	Akhila Maggidi (21261A04G0)	Internship on Node	NXT WAVE	27-12-2024 Completed successfully
28	P Renuka (21261A04B1)	Internship on Salesforce Developer Virtual Internship	SMART INTERNZM, MAHARASTRA	02-07- 2024 Completed Successfully
29	Sravan Kumar N V (22261A04G4)	Internship on Embedded Systems	INTERNSHALA, ONLINE	24-08-2024
30	Rishab Kothari (20261A0443)	Internship on Embedded Systems	SOFTHOUS, ONLINE	06-08-2024 Completed Successfully
31	Vasala Shiva Kumar (21261a04C7)	Internship on Programmer Analyst Trainee	COGNIZANT, HYDERABAD	12-12-2024
32	K.Venkata Sriram (21261a04F3)	Internship on Embedded Intern	EURTH TECHTRONICS, HYDERABAD	20-05-2024 to 05-07-2024
33	Rapolu Sai Kumar (22261A0450)	Internship on Robotics	WISSENSQUELLE, ONLINE	01-08-2024 to 30-09-2024
34	Rapolu Sai Kumar (22261A0450 )	Internship on IOT, Robotics & Embedded System	APSIS, HYDERABAD	01-08-2024 to 30-09-2024 Completed Successfully
35	Sriram Kaushik (20261A0417)	Bootcamp on Python For Beginners	MICROSOFT LEARN, ONLINE	30-09-2024 Completed Successfully

## WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS CONTD...

S.No.	Name of the student	Details of Internship/ Seminar/ Workshop	Organization	Date/ Achievement
36	K.Venkata Sriram (21261A04F3)	Paper publication on GARUDA: Ground and Aerial reconnaissance unit for defence and Assistance for defence and disaster response application.	THE ACADEMIC, INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH (ONLINE)	12-12-2024 Published
37	Shaziya Shaik (21261A04H9)	Hackathon Salesforce Administrator Virtual Internship.	SMART INTERNZ, MAHARASTRA	02-07-2024 Participation
38	Avari Charan Teja Charan (23261A0466)	Course on C Programming	INFOSYS, ONLINE	15-08-2024 Participation
39	Ch.Koushik (23261A0414)	Internal Hackathon on Smart India Hackathon 2024	MGIT, HYDERABAD	03-09-2024 to 04-09-2024 Participation
40	Sidra Siddiqua (23261A04B3)	Internal Hackathon on Smart India Hackathon 2024	MGIT, HYDERABAD	03-09-2024 to 04-09-2024 Participation
41	Shiva Vasala (21261A04C7)	Internship on .Net	COGNIZANT, KOLKATA	12-12-2024
42	Shaziya Shaik (21261A04H9)	Short term course on Full stack web development and AI with Python (Django)	UDEMY, ONLINE	28-07-2024 Participation
43	Miriyala Divya Tejaswi (24261A0436)	Event attended on Poster Presentation	MGIT, HYDERABAD	22-11-2024 Second
44	Yaramala Jyotshna (24261A04C9)	Event attended on Poster Presentation	MGIT, HYDERABAD	22-11-2024 First
45	Sriramula Sanjana (24261A04C4)	Event attended on Paper Presentation	MGIT, HYDERABAD	22-11-2024 First
46	Sama Shivacharan Reddy (24261A04J3)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 Participation
47	Chamala Ujwal (24261A04D8)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 Participation
48	Gugulothu Naga Saidulu (24261A04F1)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 Participation
49	Videla Maharshi Srinivas (24261A04K2)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 Participation
50	Sriramula Sanjana (24261A04C4)	Event attended on Poster Presentation	MGIT, HYDERABAD	22-11-2024 First
51	Sunkara Venkata Rama Kundana (24261A0457)	Event attended on Poster Presentation	MGIT, HYDERABAD	22-11-2024 Second
52	Vurakaranam V S S Sathwik (24261A04C8)	Event attended on Poster Presentation	MGIT, HYDERABAD	22-11-2024 Third
53	Budur Aparna (23261A0474)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 First
54	Chiluvuri Sai Thanu Sree (23261A0476)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 First
55	Devadasi Angelina Trinisha (23261A0478)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 First

## WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS CONTD...

S.No.	Name of the student	Details of Internship/ Seminar/ Workshop	Organization	Date/ Achievement
56	Venkata Manasa Sai Pasam (23261A04C7)	Event attended on Circuit Relay	MGIT, HYDERABAD	22-11-2024 First
57	M Nikita (22261A04A3)	Event attended on Fastest to Finish	MGIT, HYDERABAD	22-11-2024 First
58	N Indu Priya (22261A0441)	Event attended on Make-a-thon	MGIT, HYDERABAD	22-11-2024 Participation
59	Vadala Srujan (22261A0460)	Event attended on Make-a-thon	MGIT, HYDERABAD	22-11-2024 Participation
60	V V S S Sathwik (24261A04C8)	Event attended on Paper Presentation	MGIT, HYDERABAD	22-11-2024 First



## ALUMNI ACHIEVEMENTS

List of students joined in higher studies from July to Dec 2024

S.No.	Roll Number	Student Name	Higher Studies	University/Institution &Place
1	20261A0450	Tejaswini Balini	MS	University of Maryland,USA
2	20261A0452	Vishal Reddy	MS	New Jersey Institute of Technology,USA
3	20261A0489	J Ajith Emanuel	MS	Yeshiva University,USA
4	20261A0495	K Manikanta Goud	MS	University of Central Missouri,USA
5	20261A04A6	N Bharath Reddy	MS	Cleveland University,USA
6	20261A04B9	T.Rajkumar	MBA	ARIS,Hyderabad ,India
7	19261A0448	P Sravan	MS	SCAD Savannah,USA
8	19261A0455	T Sai Gnathavi	MS	University of Corolina,USA
9	19261A0460	R Ridhima Reddy	MS	University of Texas at dallas,USA
10	19261A04A6	R Mounika	MTech	CBIT, Telangana,India
11	19261A04A8	G sai kiran reddy	MS	Sacred heart University,USA
12	19261A04B1	S Devi sri	MTech	Amrita viswa vidyapeetham,India
13	19261A04B4	D Shivani	MTech	CBIT, Telangana, India
14	19261A04C0	V Deekshitha Reddy	MTech	NIT,Calicut,India
15	19261A04D1	Ch Sahithya	MS	University of Limerick,Ireland
16	19261A04E5	K Vishnu Vardhan	MTech	IIIT,Jabalpur
17	19261A04E6	Keerthi Patil	MS	Wright State University,USA

## EVENTS ORGANIZED BY THE DEPARTMENT

Webinars, FDPs & STTP conducted by ECE dept during July to Dec 2024:

1

S.No.	Name of the Event	Date	Organized By	No. of Participants
1.	MICROCOSM-2.0	21 <sup>st</sup> & 22 <sup>nd</sup> November 2024	Department of ECE	255

## PHOTOGRAPHS



“MICROCOSM 2.0” (Yearly department Fest) Inaugural Event on 22-11-2024.



Students giving demo of their project during “Project Expo” on 22-11-2024 conducted by Department of ECE, MGIT as part of MICROCOSM 2.0 (Yearly department Fest).



## PHOTOGRAPHS CONTD...



Annual Alumni meet Reminiscence-2024 held on 28-12-2024 at MGIT, Hyderabad



Guest lecture conducted on **“Artificial Intelligence in Space Electronics Warfare”** by Dr A.K. Singh, Sc-G & Project Director, DLRL, Hyderabad held on 28-12-2024 at A-Block auditorium, MGIT, Hyderabad.



## PHOTOGRAPHS CONTD...



Guest lecture conducted on “**On-Chip to Career-Bridging Campus to Corporate in the Semicon Industry**” by Mr. M.Naga Sitaram, Delivery Manager, BITSILICA, Hyderabad held on 12-08-2024 at C-Block Seminar Hall, MGIT, Hyderabad.



Guest lecture conducted on “**Design and Verification using Verilog**” by Mr Ranveer Singh, Head University Relations, Truechip organization, New Delhi held on 27-09-2024 at C-Block Seminar Hall, MGIT, Hyderabad.

## PHOTOGRAPHS CONTD...



Guest lecture conducted on **“Why VLSI as career”** by Mr Shashikant Sharma, Design Engineer, Futurewiz, Noida held on 27-09-2024 at C-Block Seminar Hall, MGIT, Hyderabad.



Guest lecture conducted on **“Career in Management after Engineering”** by Mr.Puneeth Sharma, Chief Mentor, IMS, Hyderabad held on 13-11-2024 at C-Block Seminar Hall, MGIT, Hyderabad.



# **నమస్తే తెలంగాణ**

**ఎంజీఐటీలో జాతీయ స్థాయి సింపోజియం**



సింపోజియంను ప్రారంభిస్తున్న ప్రిన్సిపాల్ చంద్రమోహన్ రెడ్డి

మణికోండ, నవంబర్ 22: మహాత్మా గాంధీ ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ (ఎంజీఐ టీ)లో శుభ్రవారం ప్రతిష్ఠాత్మక జాతీయ స్థాయి టెక్నికల్ సింపోజియం ఘనంగా నిర్వహించారు. ఈ టెక్నికల్ సింపోజియం సాంకేతిక పరిజ్ఞానం ఆవిష్కరణలకు గొప్ప వేదికగా నిలిచింది. వివిధ విభాగాలు వారి ప్రత్యేక టెక్నికల్ ఫెస్ట్ ను నిర్వహించారు. ఈ సింపోజియంను కళాశాల ప్రిన్సిపాల్ ప్రాఫెసర్ చంద్రమోహన్ రెడ్డి, వైస్ చైర్మన్ ప్రాఫెసర్ సుధాకర్ రెడ్డి జ్యోతి ప్రజ్వలన చేసి ప్రారంభించారు. విద్యార్థులు రూపొందించిన స్టాల్స్ విశేషంగా ఆకట్టుకున్నాయి. అలాగే రోబోటిక్స్ పర్ఫార్మెన్స్, క్విజ్, మెటా క్రాస్ వార్డ్, ఎగ్జిబిషన్, నాన్-టెక్నికల్ ఈవెంట్స్, ట్రైజర్ హుల్, ఐపీఎల్ యాక్సన్, డగ్ ఆఫ్ వార్, ఇమేజ్ ప్రాంట్టింగ్, మీమ్, కస్టీర్స్ పెయింట్ టింగ్ తో పాటు కళాశాల ప్రాంగణంలో ప్రత్యేకంగా ఫుడ్ స్టాల్స్ తో పాటు స్టార్ట్ అప్ స్టాల్స్ కూడా ఏర్పాటు చేశారు. సాయంత్రం ఆదిగిన ముగింపు కార్యక్రమంలో వివిధ ఈవెంట్లలో పాల్గొన్న విద్యార్థులకు సర్టిఫికేట్లు, గెలుపొందిన వారికి బహుమతులు అందజేశారు. అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

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Source : <https://epaper.ntnews.com/>

# **సాక్షి**

**21, 22వ  
తేదీల్లో బెత్తాహిక**

**పారిశ్రామిక వేత్తలకు సదస్సు**

మణికోండ: గుడిపేటలోని మహాత్మా గాంధీ ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ ఎలక్ట్రానిక్స్ అండ్ కమ్యూనికేషన్ ఇంజనీరింగ్ డిపార్ట్మెంట్ ఆధ్వర్యంలో ఈ నెల 21, 22వ తేదీల్లో నిర్వహించే స్టార్ట్ అప్ స్పార్క్స్ మైక్రో కాజం 2.0 కార్యక్రమానికి సంబంధించిన పోస్టర్ ను డిపార్ట్మెంట్ విభాగాధిపతి డాక్టర్ ఎన్.పి.సింగ్, డీన్ స్టూడెంట్ వెల్మర్ డాక్టర్ వెంకటరెడ్డితో కలిసి ఆవిష్కరించారు. ఈ సందర్భంగా వారు మాట్లాడుతూ... ఆంధ్ర ప్రదేశ్ మలను, ఇన్వెస్టర్లను ఆకర్షించడానికి చేసేందుకు ఈ కార్యక్రమం ఎంతగానో దోహదపడుతుందన్నారు. మైక్రో కాజోమ్ 2.0 కన్వీనర్, ఆస్ట్రేలియా ప్రాఫెసర్ ఎ.బాలరాజు మాట్లాడుతూ... సంవత్సరం నిర్వహించే ఈ సాంకేతిక కార్యక్రమంలో ప్రాజెక్టు ఎక్స్ ప్రెస్, సెవర్ అండ్ పాస్టర్ ప్రజెంటేషన్, మేక్ ఏ కాన్, నయ్యాట్ రిలే, ఫైండ్ ద పాల్స్ వంటి మరెన్నో కార్యక్రమాలను నిర్వహిస్తున్నామన్నారు. వివిధ కళాశాలల విద్యార్థినీ విద్యార్థులు పెద్ద సంఖ్యలో పాల్గొంటారన్నారు. కార్యక్రమానికి ముఖ్య అతిథిగా ఐటీ కాబ ముఖ్యకార్యదర్శి జయేష్ రంజన్ పాల్గొంటారన్నారు. స్టూడెంట్ కో ఆర్డినేటర్స్ వెంకట శ్రీరామ్, వివేకానందరెడ్డి, సంజన, అనూప్ దోరేవల్లి తదితరులు పాల్గొన్నారు.



ఎంజీఐటీలో పోస్టర్ ఆవిష్కరణను దృశ్యం

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Source : <https://epaper.sakshi.com/>

## **ఏఐ రంగంలో రాణించాలి**

**డీఎల్ఐఆర్ఎల్ శాస్త్రవేత్త  
డాక్టర్ ఏకే సింగ్**



**మాట్లాడుతున్న ఏకే సింగ్**

మణికోండ: రాబోయే రోజుల్లో ఆర్టిఫిషియల్ ఇంటెలిజెన్స్ అన్ని రంగాలలో విస్తరిస్తుందని, అందులో ఇంజనీరింగ్ విద్యార్థులు అవగాహన పెంచుకుని, తమ ఇన్నోవేషన్లలో దాన్ని చేర్చుకుని రాణించాలని డీఎల్ఐఆర్ఎల్ శాస్త్రవేత్త, ప్రాజెక్ట్ డైరెక్టర్ డాక్టర్ ఏకే సింగ్ అన్నారు. ఇన్స్టిట్యూట్ ఆఫ్ ఇంజనీరింగ్, మహాత్మాగాంధీ ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ కళాశాలలు సంయుక్తంగా నిర్వహించిన ఏరోస్పేస్, రక్షణ రంగాలలో సాంకేతిక పురోగతిలో కృత్రిమ మేదస్సు పాత్ర అనే అంశంపై రెండవ రోజు గుడిపేటలోని ఎంజీఐటీ కళాశాలలో సెమినార్ ముగింపు కార్యక్రమంలో ఆయన ముఖ్య అతిథిగా పాల్గొన్నారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ... కృత్రిమ మేదస్సు రంగంలో రాబోయే రోజుల్లో అనేక ఉద్యోగావకాశాలు ఉంటాయన్నారు. దాన్ని అందిపుచ్చుకునేందుకు విద్యార్థులు సంసిద్ధులు కావాలన్నారు. ఎంజీఐటీ ప్రిన్సిపాల్ డాక్టర్ జి.చంద్రమోహన్ రెడ్డి, ఇతర రాష్ట్ర వైద్యనీ వెంకట సుబ్బయ్యతో కలిసి విశేషాలకు ధ్రువపత్రాలు, మెమోరెండోలను అందించారు. వైస్ చైర్మన్ ప్రాఫెసర్ డాక్టర్ కె.సుధాకర్ రెడ్డి, కన్వీనర్లు డాక్టర్ ఎన్.పి.సింగ్, డాక్టర్ బ్రహ్మరెడ్డి, ఉస్మానియా ప్రాఫెసర్లు డాక్టర్ నిర్మలాదేవి, డాక్టర్ ప్రవీణ, బాలరాజు, అధ్యాపకులు, విద్యార్థులు పాల్గొన్నారు.

## PROGRAMME OUTCOMES (POs)

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.



11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

13. Able to work with modern tools to design subsystems for fundamental applications in VLSI design and Embedded Systems.
14. Able to work with engineering principles to develop solutions in Signal, Image Processing and Communication Systems.