MAHATMA GANDHI INSTITUTE OF TECHNOLOGY

Gandipet, Hyderabad

Dept. of Electronics and Communication Engineering

NEWSLETTER
JANUARY 2024
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Department of Electronics And Communication Engineering

Dept. Vision & Mission	1
Faculty Publications& Guest lectures	2-4
FDP/STTP/Webinars/ Courses Attended By Faculty	5
Student's Achievements	6-10
Events Organized By Department	11
Photographs, Press note, POs &PSOs	12-17

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 imbibed with ethical and moral values that leads to collective global success.

Mission Statement:

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

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

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

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

EDITORIAL BOARD:

FACULTY:

Dr. S. P. Singh

Dr. D. Venkat Reddy

Dr. Ch. Raja, In-Charge

Mr. P. Vinod Reddy

Mr. D. Anji Reddy

N. Y. Karthikey

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.

FACULTY PUBLICATIONS

International Journals:

1. **A Balaraju**, S. P. Singh & Dhiraj Sunehra, **"The Design and Analysis of the Sidelobe Reduction Filter for Polyphase Frank Codes"**, IETE Journal of Research, December 2023, (Scopus/ Web of Science) Q2 Impact factor 1.5 https://doi.org/10.1080/03772063.2023.2185307

2. **Vijaya Lakshmi, T.R**., Krishna Reddy, C.V., "**Modeling and simulation of bacterial foraging variants: acoustic feature selection and classification",** Signal, Image and Video Processing, 5th October 2023 (Scopus) http://doi.org/10.1007/s11760-023-02783-w

3. Ashabharathi, S., Kharote, P., Ravindra Babu, B., ...Kumar, R.D., **Lakshmi, T.R.V**., **"Hybrid Feature Selection Model for Computer Aided Diagnosis System in Lung Segmenta",** *International Journal of Intelligent Systems and Applications in Engineering,* ISSN:2147-6799, 11th July 2023, 11(8), pp. 517–525. (Scopus) https://ijisae.org/index.php/IJISAE/article/view/3082

4. R. S. Ernest Ravindran, Yathish Aradhya B C, Dr. A. Senthil Kumar, **Dr. T. R. Vijaya Lakshmi**, Sugasri Sureshkumar, Dr. Syed Abudaheer Kajamohideen, **"A Fusion Classification Prototypical for Eye State Recognition in Stroke Patients Using Electroencephalogram (EEG) Data",** *International Journal of Intelligent Systems and Applications in Engineering,* ISSN:2147-6799, 11th July 2023, 11(8), pp. 499–507 (Scopus) https://www.ijisae.org/index.php/IJISAE/article/view/3080

5. Manuel R. Tanpoco, Preeti Patil, Dr Uttara Patnaik, Aniruddha Bodhankar, Senthil Kumar A, **T R Vijaya Lakshmi**, **"An effective Leveraging Ensembling Methods for High-Enactment Chronic Disease Prediction Systems",** *International Journal of Intelligent Systems and Applications in Engineering,* ISSN:2147-6799, 11th July 2023, 11(8), pp. 568–575 (Scopus). https://ijisae.org/index.php/IJISAE/article/view/3088

6. Dr. Surendra Reddy Vinta, Anusha R, Dr. Naveen Kumar Dewangan, R Rajalakshmi, **T R Vijaya lakshmi**, Dr Isa Mishra, **"Identification of Significant Clinical Attributes for Developing Heart Disease Prediction System",** *International Journal of Intelligent Systems and Applications in Engineering,* ISSN:2147-6799, 11th July 2023, 11(8), pp. 552–559. (Scopus).https://ijisae.org/index.php/IJISAE/article/view/3086

7. Dr.Bechoo Lal, Deepa Rani Gopagoni, Dr. Biswaranjan Barik, Dr. Mohammad Ahmar Khan,R. Dinesh Kumar, **Dr.T. R. Vijaya Lakshmi**, **"An Efficient QRS Detection and Pre-processing by Wavelet Transform Technique for Classifying Cardiac Arrhythmia",** *International Journal of Intelligent Systems and Applications in Engineering,* ISSN:2147-6799, 11th July 2023, 11(8), pp. 490–498. (Scopus) https://ijisae.org/index.php/IJISAE/article/view/3079

8. Dr K S Balamurugan, Swapna Siddamsetti, Dr. N. Ashok Kumar,S uchita Walke, Aniket Deshpande**, Dr. T. R. Vijaya Lakshmi** , **"Designing Novel Routing Algorithms for Wireless Mobile Ad-Hoc Networks to Improve Their Enactment",** *International Journal of Intelligent Systems and Applications in Engineering,* ISSN:2147-6799, 11th July 2023, 11(8), pp. 526–535 (Scopus) https://ijisae.org/index.php/IJISAE/article/view/3083

FACULTY PUBLICATIONS CONTD...

9. Narmatha, P., Gupta, S., **Vijaya Lakshmi, T.R.,** Manikavelan, D. , **"Skin cancer detection from dermoscopic images using Deep Siamese domain adaptation convolutional Neural Network optimized with Honey Badger Algorithm",** Biomedical Signal Processing and Control, Volume 86, Part B, September 2023, 105264. (SCI) https://doi.org/10.1016/j.bspc.2023.105264

10. Deepika Ajalkar, Dr.Anil Kumar C., Prof. Ashish Sharma, Dr. Deepak A. Vidhate, A. Deepak, **Dr. T.R. Vijaya Lakshmi , "An Smart Intelligence Performance Analysis Using ANN Classifiers For Soil Color Texture Identification",** International Journal of Intelligent Systems and Applications in Engineering, ISSN:2147-6799, 3rd September 2023, 12(1s), pp. 18–26 (Scopus). https://ijisae.org/index.php/IJISAE/article/view/3391

International Conferences:

1. **Kasula Raghu** and Puttha Chandrasekhar Reddy, **"Resource Allocation Using MISO-NOMA Scheme with Clustering Technique"**, International Conference on Expert Clouds and Applications, Lecture Notes in Networks and Systems book series (LNNS, volume 673) pp 169–180, 02 July 2023 (Scopus)

2. Dr. J. Senthil, Shaik Akbar, Akiladevi N, **S Praveena**, Ravindar K, Banupriya V, **"Early Prediction of Diabetes and its Risk Factors Based on ARIMA-ELMAN ANN Network",** Proceedings of the 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), ISBN: 979-8-3503-2752-6, 2024 (IEEE)

3. Sonali Pakhmode, Dr. N. Noor Alleema, **S Praveena**, Harshal Patil, Rajalakshmi S, Prasanna Kumar Lakineni, **"Prediction of Cardiovascular Disease Risk in the General Population: a GSA-ELM Approach",** Third International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2023) December 21st to December 23rd, 2023.

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 2023:

S.NO	NAME OF THE EVENT	DATE	RESOURCE PERSON/ORGANIZATION	NO. OF PARTICIPANTS
1	Guest lecture on "Technical and proposal writing"	30-08-2023	Prof.M.P.Gururajan, IIT Mumbai	15
2	Guest Lecture on "Multi radio diversity for Next Gen Communications "	16-08-2023	Prof. Mohammed Zafar Ali Khan, Department of Electrical Engineering, IITH, Hyderabad	136

FDP/STTP/WEBINARS/COURSES ATTENDED BY FACULTY

S. No.	Name of the Faculty Member, Designation & Dept.	Title of the FDP/ Webinars /Workshop/Courses attended	Date(s) of the Event	Organization
1.	**Dr.S.Praveena, Assoc. Professor, ECE Dept**	Trends in Technological Intelligence 2023 (T2 I-2023)	21 to 25 Aug 2023	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
2.	**Mr.K. Raghu, Asst. Professor, ECE Dept**	Trends in Technological Intelligence 2023 (T2 I-2023)	21 to 25 Aug 2023	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
3.	**Mr. A.Veerabadra Rao, Asst. Professor, ECE Dept**	Workshop/Tutorial on Antenna Modelling and simulation mode easy-Fundamentals and hands on Exercises	5th to 26th July 2023	ONLINE
4.	**Mrs. D.Subhashini, Asst. Professor, ECE Dept**	Trends in Technological Intelligence 2023 (T2 I-2023)	21 to 25 Aug 2023	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
5.	**Mrs. D.Subhashini, Asst. Professor, ECE Dept**	FDP on “Deep Learning”	13 th to 15 th September 2023	MGIT-NITTTR(CHANDIGAR)
6.	**Mrs. D.Subhashini, Asst. Professor, ECE Dept**	Deep Learning	July-Oct 2023	NPTEL-SWAYAM
7.	**Mrs. D.Subhashini, Asst. Professor, ECE Dept**	Machine Learning for Real the Embedded systems and IoT Applications	17 th to 21st Oct 2023	NITW
8.	**Ms.P.Usha Rani, Asst. Prof, ECE Dept**	FDP on “Deep Learning”	11 th to 15 th September 2023	MGIT-NITTTR(CHANDIGAR)
9.	**Ms.S.Swetha, Asst. Professor, ECE Dept**	Sustainable Development Goals: Challenges and Opportunities	21 to 25 Aug 2023.	NITTRR
10.	**Mrs. B.Roopa, Asst. Professor, ECE Dept**	Trends in Technological Intelligence 2023 (T2 I-2023)	21 to 25 Aug 2023.	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW
11.	**Mrs. G.Srilatha, Asst. Professor, ECE Dept**	Sustainable Development Goals: Challenges and Opportunities	21 to 25 Aug 2023.	NITTRR
12.	**Ms. ARCHANAYADAV, Asst. Professor, ECE Dept**	FDP on “Deep Learning”	12 th to 15 th September 2023	MGIT-NITTTR(CHANDIGAR)
13.	**Ms. ARCHANAYADAV, Asst. Professor, ECE Dept**	Sustainable Development Goals: Challenges and Opportunities	21 to 25 Aug 2023.	NITTRR
14.	**Ms. ARCHANAYADAV, Asst. Professor, ECE Dept**	Trends in Technological Intelligence 2023 (T2 I-2023)	21 to 25 Aug 2023.	BABU BANARASI DAS NORTHERN INDIA INSTITUTE OF TECHNOLOGY, LUCKNOW

STUDENTS ACHIEVEMENTS

STUDENT PLACEMENTS (AY:2023-24)

Sl.No.	Company	Designation	Campus Date	Pay Package (Rs. In Lakhs per Annum)	No. of ECE students placed
1	TCS	Software Engineer	22.08.2023	3.5	4
2	Zelis India	Associate Software Engineer	04.08.2023	6	5
			Total		**9**

Average Package (in Lakhs): 4.8

Highest Paid Company: Zelis India

Highest Salary: 6.00

MGIT STUDENT'S STARTUP WINS RS.1 LAKH AT FOUNDERS FEST 2023

Students from the Department of Electronics and Communication Engineering (ECE) and Mechatronics (MCT) at Mahatma Gandhi Institute of Technology, Gandipet, Hyderabad – K Venkata Sriram, Anoop Dorepally, Brundha Reddy (MCT), Abhishek Sharma, Jayanth Dharmapuri, Nitish Akula, Pavan Kumar Reddy, and Deepika Rathod – have initiated a startup named ElectroForge Innovations two months ago. They recently participated in Founders Fest 2023: The Great Hyderabad Business Challenge powered by EdVenture Incubation Foundation, an event featuring over 200 startups. In this competition, ElectroForge Innovations secured cash prize of Rs.1,00,000 as an investment for their startup. The cash prize was presented by Mr. Ajit Rangnekar, Former Dean of the Indian School of Business. Notably, Mr. Jayesh Ranjan, IAS & Principal Secretary, Govt of Telangana, Mr VC Sajjanar, MD of TSRTC and Ex ADGP of the State of Telangana and Mr. M Srinivas Rao, CEO of T Hub, interacted with the students, offering their support and insights.

GRE/TOFEL/GATE/CAT/IELTS INFORMATION

Name of the Student	GRE (340)	IELTS	GATE Rank	Duolingo	CAT (Percentile)	Date
RAMAGALLA RAHUL KUMAR (20261A04G6)		7.0				27-09-2023
MALEZA NAAZ (20261A0435)		7.0				22-07-2023
D.SPANDANA (20261A0467)				120		23-08-2023
SRI VARSHINI PATEL (20261A04G3)	319	7.0				16-08-2023
M.CHANDRIKA (20261A04F6)		7.0		130		10-08-2023
E.RAKESH GOUD (20261A04D4)				125		19-08-2023
SABANTI SAKETH (20261A04A8)		7.0				05-08-2023
SRIKANTH NAMILAKONDA VENKATA (20261A04G2)	320			125		03-07-2023
KARTHIK REDDY .V (20261A04B8)		6.5				24-08-2023
GANDARA JITHENDRA RAO (20261A0419)		7.0		115		14-08-2023

WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS

S.No.	Name of the student	Details of Workshop/Webinars event	Organization	Date/ Achievement
1	Anjamolla Arun Goud (21265A0409)	Workshop on Embedded Systems	MERTXE	17- 08- 2023 to 18-11-2023
2	Angani Divya Jyothi (20261A0462)	Course on cloud	Tech 4 all	08-09-2023 to 30-09-2023
3	Mr. Kota Vinay (20261A0426)	Internship Program on Design & Development of the Attitude Determination System	Space Technology & Aeronautical Rocketry	9-10-2023 to 7 -11- 2023
4	Begari Aishwarya (20261A0407)	Work shop on Drone designing and manufacturing	Skilled in sky driver	22-09-2023 to 24-09-2023
5	Begari Aishwarya (20261A0407)	The impact of 5G:Creating new level across industries and societies	The Institution Of Engineer	18-11-2023 to 19-11-2023
6	Gaurav Jain (20261A0484)	Internship Program on amazon web service	VINTURS	01-08-2023 to 30-09-2023
7	N.Sreeshath Kumar (22261A04B0)	Workshop on “Aurdino and Rasberry pi”	MGIT,HYDERABAD	11-10-2023 Participation
8	Aditya Kawle (22261A0464)	Workshop on Aurdino and Rasberry pi”	MGIT,HYDERABAD	11-10-2023 Participation
9	Gowtham (22261A0475)	Workshop on “Aurdino and Rasberry pi”	MGIT,HYDERABAD	11-10-2023 Participation
10	K.V.S SindhuLaxmipavani (22261A0427)	Workshop on “Aurdino and Rasberry pi”	MGIT,HYDERABAD	11-10-2023 Participation
11	B.Abhinav Reddy (22261A04D6)	Workshop on “Aurdino and Rasberry pi”	MGIT,HYDERABAD	11-10-2023 Participation
12	N.V.Sravan Kumar (22261A04G4)	National workshop internet of things with Robotics	BITS PILANI, HYDERABAD	4-11-2023 to 5-11-2023
13	N.V.Sravan Kumar (22261A04G4)	Workshop on “Aurdino and Rasberry pi”	MGIT,HYDERABAD	11-10-2023 Participation
14	N.Sreeshath Kumar (22261A04B0)	Short course on Data Analysis and data science	UDEMY	26-12-2023 Completed
15	N.Sreeshath Kumar (22261A04B0)	Short course on Python Essentials	PYTHON INSTITUTE	23-12-2023 Completed
16	N.V.Sravan Kumar (22261A04G4)	Short course on getting started with AI on Jetson Nano	NVIDIA	23-12-2023 Completed
17	N.V.Sravan Kumar (22261A04G4)	Short course on learning FPGA development	LINKED IN, MICROSOFT	24-12-2023 Completed
18	B.Abhinav Reddy (22261A14D6)	Short course on Python Essentials	PYTHON INSTITUTE	23-12-2023 Completed
19	S.SindhuraLaxmipavani (22261A0427)	Event on Tatake	NOVA LEARNING CLUB	7-12-2023 to 8-12-2023
20	B. Nanduja (21261A0476)	Internship On “IBM skills build and csrbox micro”	IBM SKILLS BUILD	22-12-23 to 5-1-2024 Completed
21	Banothu Manisha (21261A0412)	Internship On “ Embedded Systems course”	ACADEMOR	01-10-23 to 31-11-23
22	K Sidhi sree (21261A0427)	Internship On “Web development”	BHARAT INTERN	10-11-23 to 10-12-23

WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS CONTD...

S.No.	Name of the student	Details of Workshop/Webinars event	Organization	Date/ Achievement
23	K Sidhi sree (21261A0427)	Internship On "Web development"	MOTIONCUT	5-11-23 to 5-12-23 Completed
24	K Sidhi sree (21261A0427)	Internship On " Sales Force Developer"	SMART INERNZ	5-11-23 to 5-12-23 Completed
25	Avusula Narasimha (21261A0473)	Completed training on "Embedded systems"	MOODINDIGO, IIT BOMBAY	14-11-23 to 14-12-23
26	Srujan Reddy (21261A04B3)	Course completed On "Digital circuits"	NPTEL	JULY 2023-OCT 2023 Completed
27	Srujan Reddy (21261A04B3)	Course completed On "Introduction to semiconductor devices"	NPTEL	JULY 2023-OCT 2023 Completed
28	Akhil Gunaganti (21261A0488)	Course completed On "Cloud Computing"	ACADEMOR	01-11-23 to 31-12-23 Participation
29	K Sidhi sree (21261A0427)	Course completed on "Getting started with enterprise-grade AI"	IBM CERTIFICATE	19-10-23 Participation
30	K Sidhi sree (21261A0427)	Course completed On "Artficial intelligence fundamentals"	IBM CERTIFICATE	18-10-23 Participation
31	K Sidhi sree (21261A0427)	Course completed On "Machine learning for data science"	IBM CERTIFICATE	18-10-23 Participation
32	K Sidhi sree (21261A0427)	Course completed On "Getting started with enterprise data science "	IBM CERTIFICATE	18-10-23 Participation
33	K Sidhi sree (21261A0427)	Course completed On "Journey to cloud: envisioning your solution "	IBM CERTIFICATE	18-10-23 Participation
34	K Sidhi sree (21261A0427)	Course completed On "Enterprise the data science practice"	IBM CERTIFICATE	18-10-23 Participation
35	Akhila Maggidi (21261A04G0)	Work shop on "Ethical hacking mega workshop"	MR.ABHINAV DEVAGUPTAPU CYBER SECURITY SPECIALILST	4-10-23 Participation
36	Akhila Maggidi (21261A04G0)	Project on "Malicious email investigation using maltego "	MR.ABHINAV DEVAGUPTAPU CYBER SECURITY SPECIALILST	10-10-23 Participation
37	Akhila Maggidi (21261A04G0)	Course completed On "Fundamental skills and dream jobs"	MR.IRSHAD CHOUHAN, SENIOR SOLUTIONS ARCHITECT,AWS	17-10-23 Participation
38	Akhila Maggidi (21261A04G0)	Course completed On "Internet of things"	MR JOHAN STOKKING CTO & CO FOUNDER, INTERNET OF THINGS	6-12-23 Participation
39	Akhila Maggidi (21261A04G0)	Course completed On "Building a career in AI"	MR ANKUR DEBNATH, SENIOR DATA SCIENTIST, S&P GLOBAL	9-1-24 Participation

ALUMNI ACHIEVEMENTS

List of students joined in higher studies from July to Dec 2023

S.No.	Roll Number	Student Name	Higher Studies	University/Institution &Place
1	19261A0401	Jasmitha	MS	State University of New York, USA
2	19261A0408	B Avyaja	MS	Central Michigan University, USA
3	19261A0411	C Ramya Sri	MS	University of Central Missouri, USA
4	19261A0413	C Tarun	MS	New Jersy Institute of Technology, USA
5	19261A0416	Devharsh Panthangi	MS	Depaul University, USA
6	19261A0421	J Sai Chandu	MS	Mount Clair state University, USA
7	19261A0430	K Chandrika Mani	MS	University of Central Missouri, USA
8	19261A0435	Maleha Naaz	MS	University of Bridgeport, USA
9	19261A0453	K Sai Sindhu	MS	University at Buffalo, USA
10	19261A0454	S Praveen	MS	Dublin City University ,Ireland
11	19261A0457	V Sai Sriram	MS	Dublin City University ,Ireland
12	19261A0476	K Prerna Reddy	MS	University of Cincinnati, USA
13	19261A0479	K Rohith Reddy	MS	Indiana State University, USA
14	19261A0487	M Sai Dhiren	MS	New Jersy Institute of Technology, USA
15	19261A0493	M Devansh Varma	MS	University of Texas at Dallas, USA
16	19261A0499	Jeethesh	MS	Florida Atlantic University, USA
17	19261A04C8	B Bhumika	MS	University of Central Missouri, USA
18	19261A04F5	M Tarun	MS	Clark University, USA
19	19261A04F7	A Meghana	MS	University of Houston, USA
20	19261A04H5	R Sweshika Reddy	MS	Northern Illinois University, USA

EVENTS ORGANIZED BY THE DEPARTMENT

Webinars, FDPs & STTP conducted by ECE dept during July to Dec 2023:

S.No.	Name of the Event	Date	Organized By	No. of Participants
1.	ICT based Short Term Course on **"Deep Learning"**	11-15 September 2023	Dept. of ECE MGIT	48
2.	Two Day Electronics Workshop **"Mastering Arduino, Node MCU & Raspberry Pi"**	11-12 October 2023	Dept. of ECE, IETE Student Forum (ISF) MGIT	180
3.	**ELECTRONICS EXPLORER BOOTCAMP**	8-9 December 2023	Dept. of ECE, IETE STUDENT FORUM MGIT Collaboration with EdVenture Park Incubation Foundation.	130

FORTHCOMING EVENTS

Tentative schedule of Extracurricular Activities for ECE II, III & IV Year Students (2023-24):

S.No	Date	Name of the Event
1.	16/3/24	Aptitude Test-1
2.	30/3/24	Group Discussion
3.	13/4/24	Technical Quiz
4.	8/6/24	Aptitude Test - 2
5.	22/6/24	Debate

PHOTOGRAPHS

Annual Alumni meet Reminiscence-2023 held on 22-12-2023 at MGIT, Hyderabad.

Guest lecture conducted on "Technical and proposal writing" by Prof.M.P.Gururajan, IIT Mumbai held on 30-08-2023 at A-Block auditorium, MGIT, Hyderabad.

PHOTOGRAPHS CONTD…

Guest Lecture conducted on "Multi radio diversity for Next Gen Communications" by Prof. Mohammed Zafar Ali Khan, Department of Electrical Engineering, IITH on 16-08-2023 at C-Block auditorium, MGIT, Hyderabad.

"ELECTRONICS EXPLORER BOOTCAMP" organized by Dept.of ECE, IETE STUDENT FORUM, MGIT in Collaboration with EdVenture Park Incubation Foundation on 8-9 December 2023 at C-Block auditorium, MGIT, Hyderabad.

PHOTOGRAPHS CONTD…

Two Day Electronics Workshop on "Mastering Arduino, Node MCU & Raspberry Pi" organized by Dept. of ECE, IETE Student Forum (ISF),MGIT on 11-12 October 2023 at C-Block auditorium, MGIT, Hyderabad.

PRESS NOTE

సాక్షి

ప్రోత్సాహకం గెల్చుకున్న యువ ఇంజీనీర్లు

మణికొండ: ఎలక్ట్రోఫోర్ట్ ఇన్నోవేషన్స్ అనే స్టార్టప్‌ను స్థాపించి ఆదివారం హైదరాబాద్ పబ్లిక్ గార్డన్స్‌లో ఫౌండర్ ఫెస్ట్-2023లో ప్రతిభ చాటిన ఎంజీఐటీ విద్యార్థులు రూ.లక్ష ప్రోత్సాహకాన్ని గెల్చుకున్నారు. మంగళవారం కళాశాల ప్రిన్సిపాల్ జి. చంద్రమోహన్‌రెడ్డి విద్యార్థులను అభినందించారు. ఈ సందర్భంగా ప్రిన్సిపాల్ మాట్లాడుతూ ఈసీఈ, ఎంసీటీ విద్యార్థులు కె. వెంకట శ్రీరామ్, అనేప్, బృందారెడ్డి, అభిషేక్ శర్మ, జయంత్, నితీష్, పవన్‌కుమార్‌రెడ్డి, దీపికా రాథోడ్‌లు రెండు నెలల క్రితం ఎలక్ట్రోఫోర్ట్ ఇన్నోవేషన్స్ అనే స్టార్టప్‌ను ప్రారంభించారన్నారు. ఆదివారం జరిగిన పోటీలలో 200కి పైగా స్టార్టప్‌ల వ్యవస్థాపకులతో

బహుమతిని అందుకున్న విద్యార్థులు

వారు పోటీ పడ్డారని తెలిపారు. అందులో రూ.లక్ష నగదును బహుమతిగా అందుకున్నారన్నారు. వారికి ఇండియన్ స్కూల్ ఆఫ్ బిజినెస్ మాజీ డీన్ అజిత్ రంగ్నేకర్ నగదును అందజేశారని తెలిపారు. కార్యక్రమంలో వైస్ ప్రిన్సిపాల్ సుధాకర్ రెడ్డి, ఈసీఈ హెచ్ఓడీ ఎస్‌పీ సింగ్, మెంటార్ బాలరాజు తదితరులు విద్యార్థులను అభినందించారు.

03/01/2024 | Hyderabad(Rajendranagar) | Page : 9
Source : https://epaper.sakshi.com/

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.