MAHATMA GANDHI INSTITUTE OF TECHNOLOGY

Gandipet, Hyderabad

Dept. of Electronics and Communication Engineering

NEWS LETTER

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VISIT US: www.mgit.ac.in
EMAIL US: ece@mgit.ac.in

Department Of Electronics And Communication Engineering

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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 ofElectronics 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: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

Dr. T. D. Bhatt

Dr. Ch. Raja, In-Charge

Mr. P. Vinod Reddy

Mr. D. Anji Reddy

K. Manoj Kumar

D.Sanjana

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

I. Prepare the students to have strong foundation in Mathematical, Scientific, Engineering fundamentals and Communication skills to formulate, understand, analyze and solve the technological problems and also assimilate knowledge through life-long learning.

II. Inculcate the managerial skills, basic concepts in Electrical Engineering and modern engineering IT tools that help the students to work in multidisciplinary environments.

III. Impart sufficient knowledge to solve complex problems in the field of Electronics and Communication Engineering for a successful career through global education standards.

IV. To mould the graduates for approaching the process of formulating a design solution for the given specifications with optimum performance including ethical, economic considerations and societal impacts.

FACULTY PUBLICATIONS

International Journals:

1. Dr.Ch.Raja, "Design of Deep Learning Based Framework for Satellite Image Clarification", Design Engineering, ISSN: 0011-9342, Year 2021 Issue: 9, Pages: 3643-3648.

International Conferences:

1. Dr.V.Saidulu, "Performance of Circular Patch Antenna without and with Varying Superstrate Height", 9th International Conference (Springer Publication) on Innovations in Electronics and Communication Engineering (ICIECE-2021), organized by Dept. of ECE, Guru Nanak Institutions, Hyderabad during 13th to 14th August 2021.

2. Dr.V.Saidulu, "Design and Simulation of Single Layer Microstrip Patch Antenna using CST Studio Suit for Wi-Fi Applications", 2nd International Conference on Engineering and Advancement Technology (ICEAT-2021), held on 16th and 17th July 2021 organized by LORDS Institute of Engineering & Technology, HYDERABAD.

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 December 2021:

S.No.	Name of the Event	Date	No. of Participants
1.	Guest Lecture on **"Artificial Intelligence"**	7th July 2021	90
2.	Webinar on **"Efficient Hardware for Machine Learning"**	28th October 2021	85
3.	Webinar on **"Machine Learning and Its Scope"**	29th November 2021	86

EXPERT LECTURES

S.No	Name of the Faculty	Type of Interaction	Organization	Date
1	Dr.T.R.Vijaya Lakshmi	"Plagiarism: Types, issues and consequences,	The UGC-Human Resource Development Centre, JNTUH	29-09-21
2	Mrs.S.Swetha	DSP classes	Swecha Exam Prep Classes	17/08/21
		DSP classes	Swecha Exam Prep Classes	12/07/21
3	Dr.T.R.Vijaya Lakshmi	"Plagiarism: Types, issues and consequences,	The UGC-Human Resource Development Centre, JNTUH	27-07-2021
4	Dr.T.R.Vijaya Lakshmi	"Empowering Access to Research-Altmetrics"	The UGC-Human Resource Development Centre, JNTUH	20-07-2021
5	Mrs.Archana Yadav	AWP classes	Swecha Exam Prep Classes	19-07-2021

FDP/STTP/WEBINARS /COURSES ATTENDED BY FACULTY

S. No.	Name of the Faculty Member, Designation & Dept.	Title of the event / Seminar /Workshop / Conference attended	Date(s) of the Event	Organized
1	Dr.V.Saidulu, Assistant Professor	One Week Online STTP on "Innovative & Inventive Problem Solving"	13th July to 18th July 2021	Department of Production Engineering, AISSMS COE, PUNE.
2	Mr.K.Raghu, Assistant Professor	FDP on IOT & 5G Beyond with Deep Learning Demonstration and Hands On	07-11 July 2021	Mahindra University, Hyderabad
3	Mr.K.Raghu, Assistant Professor	AICTE, ATLA FDP on A Pedagogy for Effective use of 5G communication Network for Cloud Applications	13-17 July 2021	JNN College of Engineering, Shivamogga
4	Mr.K.Raghu, Assistant Professor	AICTE, ATLA FDP Internet of Things an Emerging Technology in Electronics Industry Institute of Engineering and Technology	19-23 July 2021	Devi Ahilya University, Indore
5	Mr.K.Raghu, Assistant Professor	AICTE, ATLA FDP Modern Simulation Techniques for Engineering Research	26-30 July 2021	Kamla Nehru Institute of Technology Sultanpur.
6	Mrs. M. Chandrakala Assistant Professor	ATAL FDP on "Machine Learning and Computer Vision"	05th to 9th July 2021,	Vignans Foundation for Science Technology and Research
7	Mrs. M. Chandrakala Assistant Professor	ATAL FDP on "Applied Machine Learning"	21st to 25th July 2021,	IIT, Ropar.
8	Mrs. M. Chandrakala Assistant Professor	ATAL FDP on "Deep Learning and Computer Vision"	26th to 30th July 2021,	KIET group of Institutions.
9	Mrs. P.Durga Devi Assistant Professor	ATAL FDP on "Machine Learning and Computer Vision"	05th to 9th July 2021,	Vignans Foundation for Science Technology and Research
10	Mrs. P.Durga Devi Assistant Professor	ATAL FDP on "Applied Machine Learning"	21st to 25th July 2021,	IIT, Ropar.
11	Mrs. P.Durga Devi Assistant Professor	ATAL FDP on "Deep Learning and Computer Vision"	26th to 30th July 2021,	KIET group of Institutions.
12	Mrs. J Snehalatha, Asst professor	FDP on "Business analytics"	26-07-2021 to 30-07-2021	Online
13	Mrs. B.Roopa Asst. Prof.	FDP on "Recent Advances in Signal Processing"	2/8/2021 to 6/8/2021	Online
14	Dr. D. Venkat Reddy, Professor	FDP on Digital VLSI design and verification	23-27 Aug 2021	Online
15	Mrs. M. Chandrakala Assistant Professor	ATAL FDP on "Deep Learning for Computer Vision"	23-08-2021 to 27-08-2021,	Panimalar Engineering college
16	Dr.V.Saidulu, Assistant Professor	Online National Level Short Term Training Program (STTP) on "Out Comes - Based Teaching Assessments and Evaluation"	August 02-04, 2021,	NBN Sinhgad School of Engineering PUNE and Inpods, Inc., USA.
17	Dr.V.Saidulu, Assistant Professor	FDP on "Digital VLSI Design and Verification" Dept. of ECE,	23rd to 27th Aug 2021,	Bangalore Institute of Technologies (BIT) in Association with Entuple Technologies and IEEE-BIT CAS
18	Mrs. P.Usha Rani, Assistant Professor	(ATAL) Academy Sponsored One Week Online (FDP) on "Signal Processing and Machine Learning towards Engineering Applications"	23rd to 27th August 2021 (NERIST),	Dept. of ECE, North Eastern Regional Institute of Science and Technology ,Arunachal Pradesh

FDP/STTP/WEBINARS /COURSES ATTENDED BY FACULTY CONTD…

S. No.	Name of the Faculty Member, Designation & Dept.	Title of the event / Seminar /Workshop / Conference attended	Date(s) of the Event	Organized
19	Mrs. S.Swetha, Assistant Professor	(ATAL) Academy Sponsored One Week Online (FDP) on "Signal Processing and Machine Learning towards Engineering Applications"	23rd to 27th August 2021 (NERIST),	Dept. of ECE, North Eastern Regional Institute of Science and Technology ,Arunachal Pradesh
20	Mrs. G. Srilatha, Assistant Professor	(ATAL) Academy Sponsored One Week Online (FDP) on "Signal Processing and Machine Learning towards Engineering Applications"	23rd to 27th August 2021 (NERIST),	Dept. of ECE, North Eastern Regional Institute of Science and Technology ,Arunachal Pradesh
21	Mrs. B.Roopa Asst. Prof.	FDP on "RECENT ADVANCES IN SIGNAL PROCESSING"	2/8/21 to 6/8/21	Online
22	Dr. D. Venkat Reddy, Professor	FDP on "5G, IOT and Artificial Intelligence: Research trends and applications"	27th September to 1st October 2021	Online
23	Dr.V.Saidulu, Assistant Professor	ATAL FDP on "Internet of Things in 5G Wireless Communication"	06.09.2021 to 10.09.2021	North Eastern Regional Institute of Science & Technology (NERIST)
24	Dr.V.Saidulu, Assistant Professor	Two-Day FDP on "Contemporary Research Methodology"	7th-8th September-2021	MGIT, HYD.-
25	Dr.V.Saidulu, Assistant Professor	Five-Day's International Online FDP on "5G, IOT, and Artificial Intelligence: Research Trends and Applications"	27th September-1st Oct, 2021,	Dept. of ECE, ATRIA INSTITUTE OF TECHNOLOGY, in association with IEEE and IETE Bangalore section
26	Mrs. P.Usha Rani, Assistant Professor	AICTE Training and Learning (ATAL) Academy Sponsored One Week Workshop on "STRESS MANAGEMENT"	13th to 17th September 2021,	Dept. of CSE, VNR VignanaJyothi Institute of Engineering and Technology, Hyderabad.
27	Mrs. P.Usha Rani, Assistant Professor	AICTE Training and Learning (ATAL) Academy Sponsored One Week FDP on "Data Analytics and Machine Learning"	20th to 24th September 2021	Technology (DCST), Central University of Jharkhand (CUJ),-Jharkhand
28	Mrs. G. Srilatha, Assistant Professor	AICTE Training and Learning (ATAL) Academy Sponsored One Week Workshop on "STRESS MANAGEMENT"	13th to 17th September 2021,	Dept. of CSE, VNR VignanaJyothi Institute of Engineering and Technology, Hyderabad.-
29	Mrs.Archana Yadav, Assistant Professor	Contemporary Research Methodology	7- 8 September	Online
30	P.Vinod Reddy, Assistant Professor	Two day FDP on "Contemporary Research Methodology"	7th to 8th September 2021	Dept. Of ECE, MGIT
31	Dr. D. Venkat Reddy, Professor	FDP on "5G- IoT and Artificial Intelligence Research Trends and Applications"	27th September -1st October 2021	Atria Institute of Tech. in Assoc. with IEEE, Banglore,
32	Dr. D. Venkat Reddy, Professor	FDP on Deep Drive into Big Analytics	27-31 October 2021	Karpagam College of Eng.
33	Dr.Ch.Raja,Associate Professor	Five days Faculty Development Program on "Deep Drive into Big Data Analytics"	27 – 31 October 2021	Dept of Artificial intelligence and Data Science, Karpagam College of Engineering, Coimbatore
34	Mr. K.Raghu,Assistant Professor	FDP on Deep Drive into Big Analytics	27-31 October 2021	Karpagam College of Eng.

FDP/STTP/WEBINARS /COURSES ATTENDED BY FACULTY CONTD…

S. No.	Name of the Faculty Member, Designation & Dept.	Title of the event / Seminar /Workshop / Conference attended	Date(s) of the Event	Organized
35	Mr. K.Raghu,Assistant Professor	FDP on "5G- IoT and Artificial Intelligence Research Trends and Applications"	27th September -1st October 2021	Atria Institute of Tech. in Assoc. with IEEE, Banglore
36	Dr.V.Saidulu, Assistant Professor	5 days International Online FDP on "5G, IOT, Artificial Intelligence: Research Trends and Applications"	27 September-1st October-2021	organized by Dept. of ECE, ATRIA INSTITUTE OF TECHNOLOGY, Bangalore
37	Dr.V.Saidulu, Assistant Professor	FDP on "Role of Teacher in Creating Effective Learning Environment For Students"	25th to 30th October 2021	Dept. of ECE, North Eastern Regional Institute of Science and Technology Deemed to be University, Itanagar, Arunachal Pradesh.
38	Mrs. G. Srilatha Assistant Professors	AICTE Training and Learning (ATAL) Academy Sponsored One Week FDP on "Machine Learning Algorithms for 5G Mobile Networks"	4th to 8th October 2021,	IIIT, Kancheepuram
39	Dr. D. Venkat Reddy, Professor	FDP on Cyber security, cyber crime& Digital forensics: Trends and technologies	10-16 NOV 2021	Online
40	Dr. D. Venkat Reddy, Professor	FDP on A systematic navigation from research to research proposals 2.0	22-26 NOV 2021	Online
41	Dr.Ch.Raja,Associate Professor	Short term course on "Cyber Security, Cyber Crimes & Digital Forensics: Trends and Technologies"	10th – 16th Nov 2021,	Dept of CSE, Pondicherry Technological University, Ponicherry In association with MHRD, DeitY,Govt of India, New Delhi.-
42	Dr.Ch.Raja,Associate Professor	Five Day National Level Online FDP on "A Systematic Navigation from Research to Research Proposals 2.O"	22nd – 26th November 2021,	Dept of Information Technology in collaboration with Institutions Innovation Council, MVSR Engineering College, Hyderabad, Telangana.-
43	Mrs. S.Swetha, Assistant Professor	ATAL FDP on "Electro Analytical Techniques for Bio-Sensing Applications"	22nd to 26th November 2021,	CSIR-Central Electro Chemical Research Institute, Tamil Nādu.
44	Dr.Y Praveen Kumar Reddy, Assistant Professor	FDP on "RESEARCH GRANT PROPOSAL WRITING: Strategies to Win Research Funding up to Rs 1 Crore"	20-21 Nov 2021	Research India Foundation, Bhubaneswar, Odisha &Dr.C V Raman University, Bilaspur Chhattisgarh India-
45	Dr. D. Venkat Reddy, Professor	Online AICTE- ISTE Orientation-Refresher Program on "Advanced topics in Network Security"	10th to 16th Dec 2021,	Bangalore Institute of technology, Bangalore
46	Dr.Ch.Raja,Associate Professor	Online AICTE- ISTE Orientation-Refresher Program on "Advanced topics in Network Security"	10th to 16th Dec 2021,	Bangalore Institute of technology, Bangalore-
47	Mr. K.Raghu,Assistant Professor	Online AICTE- ISTE Orientation-Refresher Program on "Advanced topics in Network Security"	10th to 16th Dec 2021,	Bangalore Institute of Technology, Bangalore
48	Mr. K.Raghu,Assistant Professor	Online AICTE ATAL FDP on "6G Wireless Communication"	20-24 December 2021	Online
49	Mr. K.Raghu,Assistant Professor	Online FDP on "Deep Drive into Big Data Analytics"	27-31 October 2021	Karpagam College of Engineering, Coimbatore

FDP/STTP/WEBINARS /COURSES ATTENDED BY FACULTY CONTD…

S. No.	Name of the Faculty Member, Designation & Dept.	Title of the event / Seminar /Workshop / Conference attended	Date(s) of the Event	Organized
50	Mr. K.Raghu,Assistant Professor	Online AICTE ATAL FDP on "Modulation, Coding and Multiple Access Techniques for Wireless Communication and Storage Systems"	15-19 November 2021	Online
51	Mrs.D. Subhashini, Assistant Professor	FDP on "Recent Trends in Embedded systems and IoT"	29th Nov to 4th Dec2021,	KLU
52	Mrs.D. Subhashini, Assistant Professor	FDP on "Advances in Machine Learning"	6th to 11th Dec 2021	KLU
53	Mrs.Archana Yadav, Assistant Professor	FDP on "Advanced Electromagnetics and Modern Antenna Design Principles"	6th to 10th Dec 2021	Online

STUDENTS ACHIEVEMENTS

STUDENT PLACEMENTS (JULY-DEC, 2021)

Sl.No.	Company	Designation	Campus Date	Pay Package (Rs. In Lakhs per Annum)	No.of ECEStudents Placed
1	Modak Analytics	Software Application Development	14.08.2021	6.00	1
2	Hexaware	Graduate Engineer Trainee	20.09.2021	3.50	8
3	TCS	Software Engineer	12.09.2021	3.50	18
4	Cognizant(Genc)	Software Engineer	04.09.2021	4.00	29
5	Cognizant(Genc Elevate)	Software Engineer	11.09.2021	4.50	8
6	Wipro	Software Engineer	25.09.2021	3.50	54
7	Nomus Communications	Trainee Engineer	13.09.2021	2.00	3
8	*Ademtek	Trainee Intern	19.09.2021	1.20	3
9	Accenture	Advanced ASE	20.09.2021	6.50	5
10	Accenture	ASE	20.09.2021	4.50	23
11	Hyundai Mobis	Graduate Engineer Trainee	12.10.2021	4.50	1
12	Viatech Labs	ROBOTICS RESEARCH INTERN	20.10.2021	3.00	3
13	Brane Enterprise	Associated Solution Leader	26.10.2021	5.00	1
14	Unschool	Operations Executive	30.10.2021	5.00	1
15	Justdial	BDE Role	07.12.2021	3.00	3
16	Byju's	Teaching Faculty	08.12.2021	3.60	6
17	SynoriQ	Software Engineer	09.12.2021	4.50	1
18	Thundersoft	Developer	13.12.2021	4.50	5
Total					**173**

Average Package (in Lakhs): 4.02

GRE/TOFEL/GATE/CAT/IELTS INFORMATION

Name of the Student	GRE (340)	IELTS	GATE Rank	CAT (Percentile)	Date
PedaballiReetesh Reddy (18261A0440)	321				16th Dec 2021
KareddySanthoshi(18261 A04E3)	325				20th Nov 2021
Y SruthiSanjana (18261A0460)	322				14th Nov 2021
P Aravindkumarreddy (18261A0439)	293				19th Nov 2021
T Sai Praneeth Reddy (18261A0455)	320				30th Nov 2021
Mohammed AadilIlyas (18261A0495)	315				23rdDec 2021
P Aravindkumarreddy (18261A0439)	316				15th July 2021
V Harsha Vardhan (18261A0458)	324				16th Oct 2021
AnnacheduPoojith Reddy (18261A0464)	307				17th Nov 2021
Hemanth Kumar Munagala (18261A0482)	325				30th July 2021
Kaleru Aditya (18261A0487)	317				02 De c 2021
Venkata Sai PreethiChilakala (18261A0457)	317				30th Nov 2021
RamaraoChunduru (18261A0443)				75.17	28th Nov 2021
G.Nitheeshareddy (18261A0419)	309				04th Sep 2021
RamaraoChunduru (18261A0443)	229				30th Oct 2021
B Spoorthi (18261A04c6)	306				27th Sep 2021
AkshithaKatukuri (18261A04E0)	321				1st Dec 2021
Mounica Reddy Koppula (18261A04E7)	318				17th April 2021

GRE/TOFEL/GATE/CAT/IELTS INFORMATION CONTD…

Name of the Student	GRE (340)	TOEFL (120)	GATE Rank	CAT (Percentile)	Date
Addula Manisha (18261A04C1)		7.0			1st Oct 2021
Mounica Reddy Koppula (18261A04E7)		9.0			2nd Jan 2022
RamaraoChunduru (18261A0443)	325				
Total no of Score cards	**21**	**2**		**1**	

WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS

S.No.	Name of the student	Details of Workshop/Webinars event	Organization	Date/ Achievement
1	Chinamtarun (20261A04D5)	Coursera on Python data structures	coursera	18-12-2021 Participation
2	G.Kushal (20261A04E1)	Workshop on Programming essential in python	Python institute	29-12-2021 Participation
3	JalagariPavanKarthik (18261A0483)	Course on Microelectronics: Device To Circuits	Nptel	30-10-2021 participation
4	KanamathareddySaiphani (18261A0488)	Course on Microelectronics: Device To Circuits	Nptel	30-10-2021 Participation
5	Mule Vishnuvardhan Reddy (18261A0496)	Course on Microelectronics: Device To Circuits	Nptel	30-10-2021 Participation
6	PanyalaVenkataSaiTeja Reddy (18261A04A1)	Course on Microelectronics:Device To Circuits	Nptel	30-10-2021 Participation
7	SuhailFarhaan (18261A04B0)	Course on Microelectronics:Device To Circuits	Nptel	30-10-2021 Participation
8	TalakantiNikitha (18261A04B3)	Course on Microelectronics:Device To Circuits	Nptel	30-10-2021 Participation
9	YelijalaDurgaBhavani (18261A04B9)	Course Era On Machine Learning	Istop	5-11-2021 Participation
10	SamalaPravalika (19265A0411)	Courser On Python Programming For Everybody	coursera	15-07-2021 Participation
11	MdSamyoddin (18265A0421)	Nptel on Microelectronics: Device To Circuits	Nptel	30-10-21 Participation
12	BanothJeevan Kumar (18251A0469)	Nptel on Microelectronics: Device To Circuits	Nptel	30-11-2021 Participation
13	Ramarao (18261A0443)	Online Course On "Web Development"	IStop	10-06-2021to 24-7- 2021 Participation
14	VenkataSaiPreethiChilakala (18261A0457)	Coursera On Python Programming For Everybody	Coursera	1-12-2021 Participation
15	B Spoorthi (18261A04C6)	Online Course On "Web Development"	IStop	10 -06-2021 to 24-07- 2021 Participation
16	KarlapalemLohithRoshan (19265A0413)	Microelectronics: Device To Circuits	Nptel	30-10-2021 Participation
17	AddulaManisha (18261A04C1)	Courera On Programming With Python.	Coursera	15-07-2021 Participation
18	Y SruthiSanjana (18261A0460)	Nptel on Evaluation Of Air Interface Towards 5g	Nptel	30-11-2021 Participation
19	P.SuryaTeja (18261A0443)	Nptel on Evaluation Of Air Interface Towards 5g	NPTEL	30-10-2021 Participation
20	BeenapellyRakesh (19265A0403)	Nptel on Evaluation Of Air Interface Towards 5g	NPTEL	30-10-2021 Participation
21	S A Sujith (18261A0445)	Nptel on Introduction To Embedded System Design	Nptel	30-10-2021 Participation
22	S A Sujith (18261A0443)	Course Era On Phython Data Structures	Coursera	30-10-2021 Participation
23	Y SruthiSanjana (18261a0460)	Course Era On Python Programming For Everybody	Coursera	1-12-2021 Participation

WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS CONTD...

S.No.	Name of the student	Details of Workshop/Webinars event	Organization	Date/ Achievement
24	MdSamyoddin (18265A0421)	Nptel on Microelectronics: Device To Circuits	NPTEL	30-10-21 Participation
25	MdSamyoddin (18265A0421)	Webinar On Machine Learning And Its Scope	Valve	29-11-2021 Participation
26	MdSamyoddin (18265A0421)	Crash Course On Programming With Python 3.X	Skill UP(Online)	17-11-2021 Participation
27	Amisha Singh (18261A0463)	Internship on Training Content	Internshala	8-08-2021 participation
28	AnnacheduPoojith Reddy (18261A0464)	Internship on Machine Learning	Indian Servers	26-07-2021 Participation
29	SandaAbhishekSagar (18261A04A9)	Short course on Product Intern	Blockbuck Engineers Pvt Ltd	16-11-2021 Participation
30	PargiTharun (18261A04G9)	Internship on IOT	Smart Knower	01/06/2021 To 31/07/2021 Participation
31	B Spoorthi (18261A04C6)	Internship On Advance E-Commerce Website	Raise Digital	10-06-2021 to 24-07- 2021 Participation
32	PrathapaPravalika (19265A0415)	Internship On Iot	Internspool	1-06-2021 to 31-07-2021 Participation
33	P.Tharun (18261A04G9)	Internship On Iot	Smart Knower	1-06-2021 to 31-07-2021 participation
34	PrathapaPravalika (19265a0415)	Internship On Iot	Internspool	1-06-2021 to 31-07-2021 participation
35	NehaRajagopal (18261A04G3)	Internship On Gesture Recognition	Iotiot	10-06-2021 to 24-07- 2021 participation
36	AddulaManisha (18261A04C1)	Internship On Iot	VerZeo	1-06-2021 to 31-07-2021 participation
37	MarepalliSindhupriya (19265A0414)	Internship On Iot	VerZeo	1-06-2021 to 31-07-2021 participation
38	ShailRafik (19265A0416)	Internship On Iot	VerZeo	1-06-2021 to 31-07-2021 participation
39	KarlapalemLohithRoshan (19265A0413)	Internship On Iot	VerZeo	1-06-2021 to 31-07-2021 participation
40	Dhannarapu Rahul (18261A0412)	Internship On Iot	VerZeo	1-06-2021 to 31-07-2021 participation
41	S A Sujith (18261A0445)	Internship On Iot	VerZeo	1-06-2021 to 31-07-2021 participation
42	CH.Saivamshikrishna (20265A0407)	Workshop onJava + Android	Chevalier T.Thomas Elizabeth College.	20.09.2021 to 25.09.2021 participation

WORKSHOPS/WEBINARS/TECHNICAL ACHIEVEMENTS CONTD…

S.No.	Name of the Student	Details of Workshop/Webinars event	Organization	Date/ Achievement
43	CH.Saivamshikrishna (20265A0407)	Short Term Training Programme on Emerging Technologies in Electronics and Communication	Mahatma Gandhi Institute of Technology, Hyderabad	18-09-2021 To 19-09-2021 participation
44	CH.Saivamshikrishna (20265A0407)	Webinar on Machine Learning and its Scope	Mahatma Gandhi Institute of Technology in association with Vaave.	29-11-2021 participation
45	Mohammed samiiqbal (19261A0492)	Industrial one week training program on Block chain of Python	pantech solutions	26-07-2021 To 01-08-2021 participation
46	Mohammed samiiqbal (19261A0492)	Work shop on Learn Matlab with image processing	Pantech Solutions	01-08-2021 To 08-08-2021 participation
47	ThatipallykapilSiddharthreddy (19261A04B7)	One Week International Workshop on JAVA+Android	GITAM (Deemed to be University), Hyderabad in association with BRAIN-O-VISION	20-09-2021 To 25-09-2021 participation
48	ThatipallykapilSiddharthreddy (19261A04B7)	Dance	SNIT	06-12-2021 To 12-12-2021 participation
49	K. Mano vinaysagar (19261A0474)	Internship on Artificial Intelligence	Smart knower	1-10-2021 To 30-11-2021 participation
50	Malehanaaz (19261A0435)	Internship on Embedded systems	MVARO in association with VERZEO	01-05-2021 To 30-06-2021 participation
51	ThatipallykapilSiddharthreddy (19261A04B7)	Internship on WEB DEVELOPMENT	Brain O Vision Solutions Ind Pvt Ltd	27-09-2021 participation

- **S. VAMSI KIRAN - 19261A04H0 (3ECE3), SAGAR LALWANI - 19261A04G9 (3ECE3), R. RAHUL - 19261A04G6 (3ECE3), SURYA KIRAN - 20261A0412 (3ECE2),**Four Students (III Year ECE) and **Mr.K.Bapayya,** Assistant Professor (Mentor), received FIRST PRIZE a winning amount of Rs. 50,000/- in "**INTER COLLEGE ROBOTIC COMPETITION – 2021(ROBOTHON)**" organized by Military College of Electronics and Mechanical Engineering (MCEME), INDIAN ARMY on 17th to 18th December 2021, by her excellency the **Hon'ble Governor of Telangana& LT Governor of Puducherry Dr (Mrs). TamilisaiSoundararajan**.

ALUMNI ACHIEVEMENTS

List of students joined in higher studies from July to December 2021:

S.No.	Roll Number	Student Name	Higher Studies	University/Institution &Place
1	16261A0437	Harini M	MS	University of Central Missouri,USA
2	16261A0444	M.SaiRohit	MS	University of Hertfordshire,UK
3	16261A0483	Sai NandhanJ	MTech	NIT,Rourkela
4	16261A0484	Sandeep K G K	MTech	MNIT Allahabad
5	16261A04B7	U V S A Mohan	MTech	IIT Hyderabad
6	17261A0425	Sandeep P	MTech	IIT,Jodhpur
7	17261A0449	S M Hussain	MTech	Osmania University,Hyderabad
8	17261A04A0	R Madhulika	MTech	VIT,Vellore
9	17261A04B3	T Sai indraneil	MS	NYU Tandon School of Engineering,USA
10	17261A04H0	P Shushruth Reddy	MS	George Mason university,USA
11	17261A04H7	V S S Deepak	MS	University of Georgia,USA

EVENTS ORGANIZED BY THE DEPARTMENT

Webinars, FDPs& STTP conducted by ECE dept during July to December 2021:

S.No.	Name of the Event	Date	Organized	No. of Participants
1.	International Conference on **"Advances on Signal Processing and Communication Engineering"**	29th to 31st July 2021	Dept of ECE, MGIT	220 papers received 48 papers presented
2.	Two-day FDP on **"Contemporary Research Methodology"**	7th& 8th September 2021	Dept of ECE, MGIT	303
3.	Short Term Training on **"Emerging Technologies in the field of Electronics and Communication Engineering"**	18th to 19th September 2021	Dept. of ECE and Training & Placement cell	400

Industrial visits organized by ECE deptduring July to December 2021:

Industry visited	Date(s) of visit	Year of Students	No. of students	Faculty accompanied
BDL, Kanchanbagh, Hyderabad	13th December 2021	III year ECE	**SIX** 1. G.Sushmitha (19261A0444) 2. MalehaNaaz (19261A0435) 3. G.Tejashwini (19261A0469) 4. J.Sai Mallik Yadav (19261A0473) 5. M.Shivani (19261A04F3) 6. K Pranav (19261A04E3)	Mr. P Vinod Reddy

Co-curricular & Extracurricular Activities for B.Tech II, III & IV Years from January to June 2021:

S.No.	Date	Event Name	No. of Students participated
1	10/07/2021	Technical Test	**45**
2	20/11/2021	Class on IoT& Embedded Systems	**18**
3	27/11/2021	Class on IoT& Embedded Systems	**10**

FORTHCOMING EVENTS

Tentative schedule of Extracurricular Activities for ECE II, III & IV Year Students (2021-22):

S.No	Date	Name of the Event
1.	08/01/2022	Aptitude Test-1
2.	12/03/2022	Technical Quiz
3.	26/03/2022	Aptitude Test-2
4.	09/04/2022	Guest Lecture
5.	16/04/2022	Group Discussion
6.	23/04/2022	Seminar on general topics

PHOTOGRAPHS

Received FIRST PRIZE a winning amount of Rs. 50,000/- in "**INTER COLLEGE ROBOTIC COMPETITION – 2021(ROBOTHON)**" organized by Military College of Electronics and Mechanical Engineering (MCEME), INDIAN ARMY on 17th to 18th December 2021, by her excellency the **Hon'ble Governor of Telangana& LT Governor of Puducherry Dr (Mrs). TamilisaiSoundararajan**.

Students Demonstrating during"**INTER COLLEGE ROBOTIC COMPETITION – 2021(ROBOTHON)**"

PRESS NOTE

శత్రువులతో బంతాట!

- సైన్యం కోసం రోబోలను ఆవిష్కరించిన ఇంజినీరింగ్ విద్యార్థులు
- మిలిటరీ ఇంజినీరింగ్ కళాశాలలో ఉత్సాహంగా రోబోధాన్

ప్రదర్శన తిలకిస్తూన్న గవర్నర్ తమిళిసై

ఈనాడు, హైదరాబాద్; కంటోన్మెంట్, న్యూస్‌టుడే: చిట్టి రోబోలు.. చాటుగా దెక్కుతీయాలనే శత్రువులతో బంతాడతాయి. అదను చూసి దాడి చేయాలనే ఉగ్రమూకల ఆట కట్టిస్తాయి. చెట్టు, పుట్ట, సింగనేల.. ప్రతిచోట సహాయా కాస్తూ సైనికులకు సమాచారం చేరవేస్తాయి. దేశభద్రతకు రక్షణ కవచంగా నిలుస్తాయి.. అని ఇంజినీరింగ్ విద్యార్థులు తమ ఆవిష్కరణలతో భరోసా ఇస్తున్నారు. తిరుమలగిరిలోని మిలిటరీ ఇంజినీరింగ్ కళాశాల నిర్వహించిన రోబోధాన్‌లో పలు కళాశాల విద్యార్థులు పాల్గొని ప్రతిభ చాటారు. రూ.7 వేల నుంచి రూ.70 వేల వ్యయంతోనే ప్రొటోటైప్స్‌ను తయారు చేశారు. స్వతంత్రంగా పనిచేసే డ్రోన్‌ను రూపొందించారు. రోబోల్లో ఇప్పటివరకు ఎక్కువగా మనుషులను పోలి ఉండే హ్యూమనాయిడ్స్‌ను చూశాం. వీటికి పరిమితులు ఉండటంతో ఏ పరిస్థితుల్లోనైనా పనిచేయగల గోళాకారంలో ఉండే రోబోలు, స్నేక్ రోబోలు, చెట్లు ఎక్కే రోబోలను వారంతా ఆవిష్కరించారు. సైన్యంతో పాటూ ఇతర అవసరాలనూ తీర్చేవిధంగా అభివృద్ధి చేశారు. తమ ఆవిష్కరణలపై 'ఈనాడు'తో వారంతా ఇలా పంచుకున్నారు.

స్నేక్ రోబో...

సైనికులకు అందుగా ఉండే రోబో ఇది. మొదటి బహుమతి లభించింది. క్యాంబర్ రోబోకు అమర్చిన చక్రాలు 360 డిగ్రీల కోణంలో తిరుగుతాయి. దీంతో సైనికులు పడుకుని పాకే దానికంటే తక్కువ ఎత్తులో ఇది ప్రయాణిస్తుంది. జీపీఎస్ ద్వారా పనిచేసే దీనిలో.. నిర్దేశిత గమ్యం చేరే క్రమంలో అడ్డంకులు వచ్చినా పక్కనుంచి చేయగలిగే సామర్థ్యం దీని సొంతం. మార్గమధ్యలో మనుషులు, మందుపాతరలను గుర్తించి సమాచారం ఇస్తుంది. దీన్ని ఎంజీటీకి చెందిన ఇంజినీరింగ్ విద్యార్థులు వంశీకిరణ్, సాగర్ లత్వాజ్, రాహుల్ కుమార్, సూర్యతేజ్.

బంతి విసిరితే చాలు..

మిలిటరీ ఇంజినీరింగ్ కళాశాలకు చెందిన కౌషిక్ శివం పటేల్, కృతికశర్మ చేతిలో ఉన్నది బంతి కాదు. గోళాకారంలో ఉన్న రోబో. ఆల్‌రౌండ్ ఇదారంగా పనిచేస్తుంది. లోపల కెమెరా ఉంటుంది. ఎలా కావాలంటే అలా తిరిగేలా, ఒకేచోట స్థిరంగా ఉండేలా దీన్ని ఉపయోగించుకోవచ్చు. ప్రదర్శనలో ఇది రెండో బహుమతి దక్కించుకుంది.

శకలాల కిందకు దూసుకెళ్లేలా..

శకలాల కింద మనుషులను గుర్తించేందుకు స్నేక్ రోబో సులువుగా వెళ్లిపోతుంది. దాని కెమెరా సాయంతో లోపలి పరిస్థితిపై సమాచారమిస్తుంది. ఇది సైనికులకు ఎంతో తోడ్పాటుగా ఉంటుంది. వీటిలో ఉన్న సెన్సర్లు బాంబులు, మందుపాతరలనూ గుర్తించి హెచ్చరిస్తాయి. జీపీఎస్ ట్రాకింగ్ సదుపాయం ఉండడంతో గస్తీ కోసం ఉపయోగించుకోవచ్చు. స్నేక్ రోబోకు ఉన్న వెర్టెక్స్ కంపార్ట్‌మెంట్లకు చక్రాలు అమర్చినా ఎలాంటి మోటారు ఉండదు. అల్గారిథమ్ ఇదారంగా దీన్ని నడపవచ్చు అని ఎంఎల్ఆర్ ఇంజినీరింగ్ కళాశాల విద్యార్థులు జీవన్‌కుమార్, లక్ష్మణ్, కుమార్, సంజయ్, మానస్వీని, మౌనిక తెలి

Eenadu Newspaper dated:19.12.2021

SHORT TAKES

MGIT BAGS TOP HONOURS AT 'ROBOTHON

DC CORRESPONDENT
HYDERABAD, DEC. 18

The two-day 'Robothon', an inter-college robotics competition, concluded at MCEME here on Saturday. Conducted under the joint aegis of MCEME and Bharat Forge Ltd, the competition attracted widespread participation with over 25 teams displaying their technical prowess.

The event is the brainchild of Lt. Gen. TSA Narayanan, commandant MCEME. Snake robots, spherical bots, tree climbing robots and humanoid robots developed by college students caught the eye as did many other exhibits that had myriad applications.

Mahatma Gandhi Institute of Technology (MGIT) took the top honours by bagging the first prize. They were followed by MCEME team and MLR Institute of Engineering and Technology, which finished second and third, respectively while Hyderabad Institute of Technology and Management took home a consolation prize. Governor Dr Tamilisai Soundararajan. distributed the prizes and complimented MCEME for helping channelise the creative streak of engineering students in a field that holds immense future potential.

R.S. Bhatia, president of Bharat Forge Ltd, said that robotics and AI were poised to transform people's lives. The event was attended by Navin Mittal, commissioner, collegiate education and technical education and Rudra B Jadeja, CEO of Kalyani Rafael Advanced Systems, among others.

Deccan chronicle Newspaper dated: 19.12.2021

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 in multidisciplinary project areas.

14. Able to design and carry out the experimental work, revise knowledge to meet the future industrial challenges.