



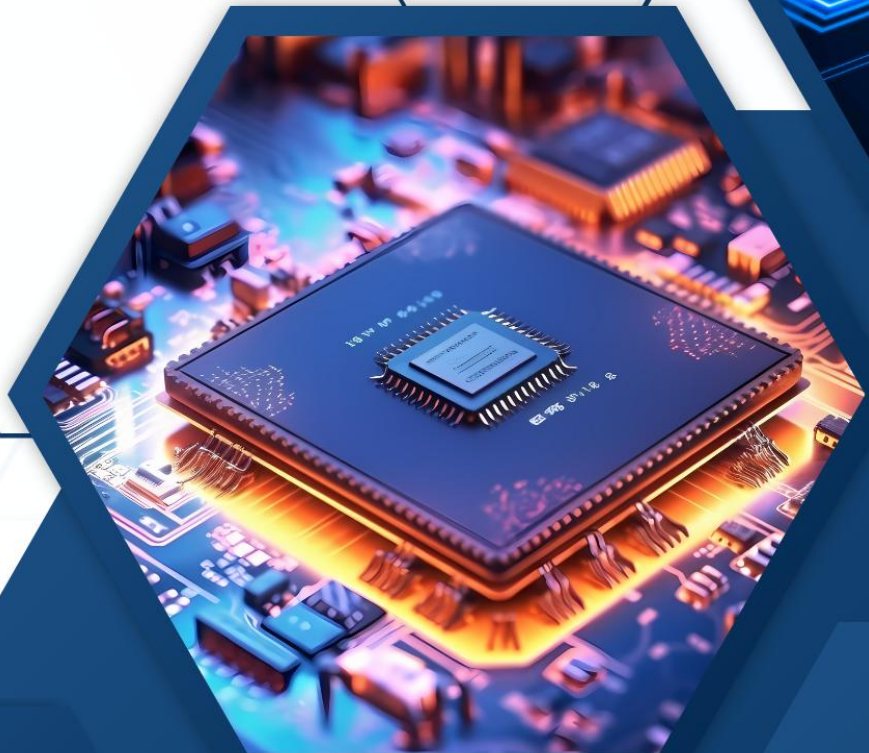
DEPARTMENT OF EECE

# NEWSLETTER

## IETE & IEEE

Professional Societies

JUL 2024 - MAR 2025



## Contents

S.No.	Title	Page No.
1	About GITAM	1
2	About EECE Department	1
3	About IETE	2
4	About IEEE	2
5	IETE STUDENT CHAPTER Committee List	4
6	List of Student IETE Memberships	5
7	IETE Events	7
8	ByteBlitz - Unleashing creativity in every Byte	7
9	Social Outreach at the Orphanage	10
10	Engineers' Premier League [EPL] 2024	12
11	Workshop on Changing Face of Broadcast Technology	16
12	IEEE Executive Committee	18
13	List of Student IEEE Memberships	20
14	IEEE Events	23
15	Electro Mania	23
16	VID-Youth - 2K24	24
17	Center for Excellence and R&D in Colleges	28
18	Ideate Session-2 on Internet of Things (IOT)	29
19	Ideate session-1 Career Options After B.Tech ECE	30

## About GITAM

The Gandhi Institute of Technology and Management (GITAM) was established in 1980 by a group of eminent intellectuals and industrialists, led by Dr. M. V. V. S. Murthi, former Member of Parliament, and popular philanthropist. Their goal, to bring to life Mahatma Gandhi's vision of an institution for higher education that transcends all barriers. GITAM is ranked as a Category-‘I’ University by the Ministry of Human Resource Development, Govt. of India. It’s also accredited by the NAAC with an ‘A++’ grade[24] and is ranked 95th in the University category in NIRF Ranking 202 of MHRD. Gandhi Institute of Technology and Management (GITAM located at Visakhapatnam, Hyderabad and Bengaluru.

### Vision

To excel in Electrical, Electronics and Communication Technologies cultivating innovation with socio-ethical commitment.

### Mission

- Empower the students with knowledge to face real-world challenges for holistic development.
- Conduct multidisciplinary research that makes an impact on society, addressing key challenges through innovative solutions.
- Foster a culture emphasizing empathy, respect, commitment upholding the ethical standards.

## About EECE Departement

### Overview

A 4-year B.Tech. Electronics and Communication Engineering programme seeks to produce skilled electronics and communication professionals with a strong foundation in the fundamentals of Electronics and Communication Engineering who can engineer large, relevant, and robust electronics & communication systems.

Our B.Tech. Electronics and Communication Engineering programme prepares the students for either a professional career or advanced disciplines. The curriculum is designed to deliver comprehensive knowledge and teachings on electronics and communication engineering to ensure students develop a complete understanding of the subject. A degree in this programme will cover the following topics:

- Analog & Digital Communication
- Digital Logic & Circuits
- Coding & Information Theory
- Wireless Networking
- Signal Processing
- Electronics Architecture & Protocols

Additionally, the programme will also educate the students on the general principles of all the disciplines of engineering. The programme will also instill teamwork, leadership, and communication skills in the student with professional, ethical, and human values to be responsible citizens of society.

## Career Options for B.Tech. Electronics and Communication Engineering

Students who enroll in the B.Tech. Electronics and Communication Engineering programme will develop the necessary skills to become successful professionals and experts in the field. The wide range of career opportunities include:

- Telecom Engineer
- R&D Software Engineer
- Software Analyst
- Electronic Design Engineer
- Desktop Support Engineer
- Technical Director
- Network Planning Engineer
- Service Engineer

To provide high-quality education in Electrical & The department of EECE is a constituent department in GITAM Institute of Technology, GITAM (Deemed to be University). The department has two active professional societies dedicated to the holistic development of students namely IETE and IEEE.

### About IETE:

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading professional society dedicated to advancing Science and Technology in Electronics, Telecommunication, and IT. Established in 1953, IETE serves over 1,25,000 members across 64 centers in India and abroad, providing leadership in scientific and technical fields.

Recognizing the need for innovation, the IETE Student Chapter at GITAM School of Technology was established in 2008-2009 under the EECE Department. It aims to promote knowledge exchange and professional growth in Electronics, Telecommunication, Computer Science, and Information Technology. The chapter fosters young minds by keeping pace with evolving global trends in technology.

### About IEEE:

IEEE GITAM: Inspiring Innovation & Growth  
The Institute of Electrical and Electronics Engineers (IEEE) is the world's largest technical professional organization, dedicated to advancing innovation and technological excellence for the benefit of humanity. With over 420,000 members in 160+ countries, IEEE fosters scientific and technological progress through highly cited publications, global conferences, industry standards, and educational initiatives. It serves professionals in electrical, electronics, computing, and related fields, shaping the future of technology and engineering. IEEE operates through 334 Sections, 2,100+ Chapters, and 3,000+ Student Branches worldwide.

At GITAM (Deemed to be University), the IEEE Student Branch actively engages students in technical research, professional development, and cutting-edge conferences, offering platforms like APS, SPS, RAS, CS, PES, and WIE AG Group to enhance knowledge and skills. Committed to technological growth, leadership, and integrity, IEEE and IEEE GITAM work together to nurture talent and drive advancements for a better future.

# IETE STUDENT CHAPTER

**IETE STUDENT CHAPTER**  
**DEPARTMENT OF ELECTRICAL ELECTRONICS AND**  
**COMMUNICATION ENGINEERING**  
**GITAM SCHOOL OF TECHNOLOGY**  
**GITAM Deemed to be University, VISAKHAPATNAM-530045**

<b>IETE STUDENT CHAPTER Committee List</b>		
<b>Name of the Faculty</b>	<b>Position</b>	
Dr. P. Raju	Faculty Advisory	
Dr. NVSV Vijay Kumar	Faculty Advisory	
Dr. S. Sarada Rani	Faculty Advisory	
<b>REG NO.</b>	<b>NAME</b>	<b>POSITION</b>
<b>IETE Excom Committee</b>		
VU22EEECE0100037	M.Sahil Sharief	President
VU22EEECE0100494	Likith Sai	Vice President
VU22EEECE0100022	Arshee	Secretary
VU22EEECE0100001	Moupriya Maity	Joint Secretary
VU22EEECE0100432	Durga Ram Prasad	Treasurer
VU22EEECE0100512	Neeraj Sai Ganesh	Joint Treasurer
VU22EEECE0100501	Tharun Uppara	Program CoOrdinator
<b>IETE Advisory Committee</b>		
VU21EEECE0100065	Mohammad Sayeem	President
VU21EEECE0100034	Koneti Chandu	Vice President
VU21EEECE0100288	B Pranathi	Secretary
VU21EEECE0100175	Y.Charishma	Joint Secretary
VU21EEECE0100317	B Rajesh	Treasurer
VU21EEECE0100017	N Gowri Shankar	Joint Treasurer
VU21EEECE0100049	A Madhu Prasanth	Program CoOrdinator



**IETE STUDENT CHAPTER**  
**DEPARTMENT OF ELECTRICAL ELECTRONICS AND COMMUNICATION**  
**ENGINEERING**  
**GITAM SCHOOL OF TECHNOLOGY**  
**GITAM Deemed to be University, VISAKHAPATNAM-530045**

<b>List of Student IETE Memberships (2024-25) AY</b>			
<b>Sno</b>	<b>Membership</b>	<b>NAME</b>	<b>Mail Id</b>
1	307627	Anjali Reddy.P	anjalireddy99reddy@gmail.com
2	307628	A.Saiamar	saamarayyapureddi@gmail.com
3	307629	Abhishek Kumar	Akp030789@gmail.com
4	307630	Adapa Sai Devesh	saideveshadapa@gmail.com
5	307631	Anupoju Lekhana	lekhanaanupoju@gmail.com
6	307632	Avinash Gandhi	avinashgandhi000@gmail.com
7	307633	B.D Sashank Reddy	sasiforce57@gmail.com
8	307634	B.Krishna Murthy	vamsikrishna6487@gmail.com
9	307635	Baggu Venkata Ratna Aditya	bvraditya15@gmail.com
10	307636	Bandaru V S Varshith	Varshithbandaru5@gmail.com
11	307637	Barli Gayatri	heyitsmegayatri@gmail.com
12	307638	Botcha Lalitha	lalithabotcha21062006@gmail.com
13	307639	Chandan Peketi	peketichandan11@gmail.com
14	307640	Chilla Monish Reddy	chillmo2006@gmail.com
15	307641	D.Mani Kanta Kishore	manikishore02062006@gmail.com
16	307642	Dhruv Bhowmik	dhruvbhowmik2020@gmail.com
17	307643	Dokka K Jagannath Sastry	kalyanjaganath1234@gmail.com
18	307644	G.Somnath Suraj	surajleo5290@gmail.com
19	307645	Gopalasetti Sai Kiran	gopalesetti.sai@gmail.com
20	307646	Gundluru Deshik Rishi	deshik45@gmail.com
21	307647	Jangala Shruthi	shruthi0772@gmail.com
22	307648	K.Dushyanth Chandra	dushyanthchandra@gmail.com
23	307649	Kadiri Durga Lahari	laharikadiri17@gmail.com
24	307650	Kotapati Rohith	kotapatirohithnaidu@gmail.com
25	307651	Kundeti Pavan Kumar	kpavankumar2626@gmail.com
26	307652	Ladi Sharmila Priya	sharmila.ladi12@gmail.com
27	307653	Lakamsani Anuraag	lakamsani.anuraag@gmail.com
28	307654	Maddi Harsha Vardhan	vass1779@gmail.com
29	307655	Mallipudi D Santosh	santoshmallipudi999@gmail.com
30	307656	Mekala J S Chandana	sirichandana785@gmail.com
31	307657	Miryala Mehana	miriyalamehana10@gmail.com
32	307658	Naira Sony Harshitha	sonyharshitha05@gmail.com
33	307659	Nali Kiran	kirannali05@gmail.com
34	307660	Naveen Kumar Potnuru	naveenpotnuru4@gmail.com
35	307661	Pilla. Sekhar	spilla9@gitam.in
36	307662	Polamarasetti Vs Praveen	praveenp2003@gmail.com

37	307663	Putchala Harshavardan	harshavardhanputchala@gmail.com
38	307664	R.Akanksha	dimpiakanksha@gmail.com
39	307665	Sakuru S V Naveen	rockxxnaveen319@gmail.com
40	307666	Samriddh Kumar Singh	samriddhkr32@gmail.com
41	307667	Saripalli Satwika	satwikasaripalli20@gmail.com
42	307668	Saripalli Suraj	surajsaripalli784@gmail.com
43	307669	Saripilli Durga Sanjana	Sanjanasaripilli211@gmail.com
44	307670	Sasumana V Somanath	sasumanasomanath@gmail.com
45	307671	Sathvik Rapeti	sathvik.rapeti@gmail.com
46	307672	Shaik Yasin	Shaikvahedunnissa@gmail.com
47	307673	Swathi	swathi0642@gmail.com
48	307674	Tattikonda Kameswara Sresti	tatikondakamesh@gmail.com
49	307675	V.Tejitha	Tejithavana1294@gmail.com
50	307676	V V T Sivasai	v.v.s.t.sivasai@gmail.com
51	307677	Aditya Kolluru	aadityakolluru@gmail.com
52	307678	Avagadda Sindhuja	sindhuavagadda714@gmail.com
53	307679	Chaganti Sri Ganesh	sriganeshch103@gmail.com
54	307680	Challa Siva Shankar	pspkshiva@99gmail.com
55	307681	Joel Abraham John	joeljohn1225@gmail.com
56	307682	Sanapala Rithesh	Rebalayyayt@gmail.com
57	307683	Mounika Pilli	mounikapilli1406@gmail.com
58	307684	Katiki Hari Krishna	harikrishnakatiki07@gmail.com
59	307685	Nalluri V Manoj Kumar	venkatmanoj228@gmail.com
60	307686	Potnuru Samita	potnurusamita@gmail.com
61	307687	S. Surya Prakash	ssuryaprakash185@gmail.com
62	307688	Pudi Vyjayanthi	vyjayanthipudi@gmail.com
63	307689	Dasari Pavan Kumar	pavandasari77023@gmail.com



## IETE EVENTS

### ByteBlitz - Unleashing creativity in every Byte

The IETE Student Chapter at Gitam University, Visakhapatnam, successfully conducted an challenging event called **Byte Blitz- Unleashing creativity in every Byte** , blending both technical and non-technical games. The event took place over two days on 30<sup>th</sup> September and 1<sup>st</sup> October 2024, featuring various teams competing in exciting challenges.



The two-day event featured an exciting competition divided between tech and non-tech activities, showcasing diverse skills among the participating teams. The event has taken out the enthusiasm from participants, with a series of exciting challenges that tested both technical knowledge and teamwork.

The excitement kicked off with a dynamic tech quiz that challenged participants' knowledge of programming languages like C and Python, and delved into core engineering topics such as Basic Electrical and Electronics Engineering (BEEE), Electronic Devices and Circuits (EDAC), Network Theory and Antennas (NTA), and

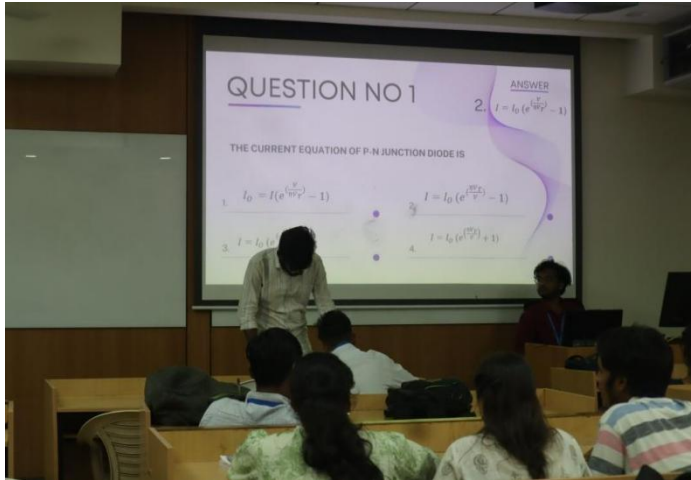
Signals and Systems (SS). While tech enthusiasts were engrossed in the quiz, those from non-technical backgrounds participated in fun activities like "Guess the Movie" and "Flip the Bottle and Build the Pyramid," showcasing their quick thinking and teamwork in a more relaxed setting.



**Flip the Bottle and Build the Pyramid**

On Day 1, from 3 PM to 5 PM, the teams engaged in both technical and non-technical games. The tech games included challenges related to programming in C, Python, BEEE, EDAC, NTA, and SS. The non-tech games involved a fun combination of skill and strategy, such as \*Guess the Movie\*, where teams had to guess movie titles from descriptions, and \*Flip the Bottle and Build the Pyramid\*, which required teams to flip a bottle while constructing a pyramid with plastic cups. During the first hour, teams participated in a tech quiz from 3 PM to 4 PM, where they faced questions on electronics, electricals, and programming languages. Following this, from 4 PM to 5 PM, non-tech teams took part in the interactive games. After these rounds,

the teams swapped roles, with the non-tech teams engaging in the tech quiz and vice versa.



After the initial round, the event took an interesting turn as teams swapped roles, allowing everyone to experience both the technical and creative challenges.

This shift not only spiced things up but also broadened participants' understanding of the diverse skills at play. Based on their combined performance in these activities, four teams advanced to the next round: Team Light, Team Quantum Innovators, Team ByteBlenders, and Team Kanyarasii.

### Technical Quiz (Tech):

The top four teams that advanced to Day 2 were Team Light, Team Quantum Innovators, Team ByteBlenders, and Team Kanyarasii. On Day 2, the final challenge began with non-tech games from 2 PM to 3:30 PM. The first game, \*Balloon Race\*, tasked each team member with inflating a balloon and carrying it to another table while stacking five cups across the hallway.

The second game, \*Stumper Ball Challenge\*, required participants to use the tip of a pen to carry a stumper ball to a cup placed across the room. These games emphasized precision and teamwork. From 3:30 PM to 4:30 PM, the final segment of the event featured a tech challenge where teams answered technical questions by throwing a ball into a box.







Amidst high spirits and intense competition, Team Light stood out and clinched the championship title of Byte Blitz with their impressive technical skills and remarkable teamwork. Not far behind, Team Byte Blenders took home the runner-up title, demonstrating their own strong skill set and dedication.



Overall, the event was a resounding success, fostering collaboration and providing a platform to showcase a wide variety of skills.

The diverse range of activities allowed teams to demonstrate their knowledge, creativity, and problem-solving abilities, making the competition an enriching experience for all participants. Congratulations to Team Light for their victory and to all the participants for their enthusiasm and sportsmanship!



## Social Outreach at the Orphanage

The IETE Student Chapter, in collaboration with the IEEE Student Chapter, successfully conducted a social outreach event at Krupa Sadana Orphanage. The event was designed to provide essential groceries and sports items while fostering community support and meaningful interaction with the children. This initiative aimed to create an engaging and uplifting atmosphere that would benefit both the participants and the children.

Their presence added significance to the occasion and reinforced the importance of student and faculty involvement in community activities.

The event began with the distribution of essential groceries to the orphanage staff.

This gesture ensured that the children would have access to necessary food supplies, highlighting the commitment of the student chapters to supporting the well-being of the local community.

In addition, sports items, such as volleyballs and other equipment, were donated to promote physical activity and encourage the children to engage in play, contributing to their overall health and happiness.

An interactive session between the students and approximately 15-20 children followed the initial distribution. This session provided an opportunity for meaningful exchanges, where stories and experiences were shared, fostering a connection that went beyond material support.





One of the most memorable moments of the event was when a young child showcased their drawings, demonstrating exceptional talent and creativity. **P Bharani Chandra**, HOD, took the time to appreciate and encourage the young artist, emphasizing the importance of nurturing such skills and creativity in children.



To end the event on a joyful note, chocolates were distributed among the children, spreading smiles and creating a lively and warm atmosphere. The interaction concluded with a sense of fulfillment, leaving both the children and the participants with positive memories.

In conclusion, the collaborative efforts of the IETE and IEEE Student Chapters successfully brought together students and faculty for a meaningful cause. The event not only provided essential supplies but also inspired and engaged the children through personal interactions. It was a heartwarming experience that strengthened community bonds and left a lasting impact on everyone involved.



The event was coordinated by key IETE & IEEE student volunteers faculty members, including **Dr. P Bharani Chandra** sir, HOD of EECE department, **P Raju** and **S Saradha Rani**, faculty advisors, IETE

Student Chapter, and **MD.K M Chisti** sir and **Ratna Kumari**, Faculty Coordinators, IEEE Student Chapter.

## Engineers Premier League (EPL) - 2k24

The IETE student chapter at GITAM successfully hosted the Engineers Premier League (EPL) from December 16<sup>th</sup> to 20<sup>th</sup>, 2024. This multi-day event included a mix of technical and non-technical challenges aimed at assessing participants' skills and teamwork across various engineering fields, for both second and third-year batch students.



**Day1:** The EPL commenced with a creative, non-technical game called the "Cup and Ball Challenge." In this game, teams of five had to maneuver an upside-down cup with threads attached around a set area.

The challenge peaked when players aimed to bounce a ball off the cup to land it in a series of holes. This activity focused on the team's coordination and strategic thinking without the aid of technology.







**Day 2:** The morning featured a technical event with programming challenges divided into three difficulty levels - 1, 2 & 3. Participants were allowed to use either C or Python, earning points based on the complexity and accuracy of their responses.

**Day3:** This day focused on an extensive technical quiz covering basic Electronic Subjects such as Signals and Systems, Electronic Devices and Amplifier Circuits (EDAC), and Network Theory and Analysis (NTA). This challenge examined the participant's depth of knowledge in specific areas and their ability to recall information swiftly under pressure.

In the afternoon, two rounds of engaging non-technical games took place, where teams of five had to pass cups attached in reverse order using balloons to each other and place three of such cups on the table. Another included two members who were blindfolded. The blindfolded members had to be guided by their teammates to move a ball on a cardboard platform, culminating with one team member directing them to drop the ball into a cup. Quick execution and effective communication was essential for success in this round.



**Day4:**The event concluded with an exciting treasure hunt where four qualifying teams competed by solving both technical and non-technical clues. Teams had to answer technical questions to receive components and hints, guiding them to the next clue. The winning team was the first to assemble all components correctly to light up an LED, symbolizing victory.



We are happy to announce that the championship title was given to 3rd-year ECE - C, followed by runner-up given to 3rd-year ECE - D, and the fair play award was given to 2nd-year ECE - B students. The success of this event can be attributed to the invaluable contributions of key individuals, namely, Professor K. Nagendra Prasad, the Director of GITAM School of Technology, Professor P. Bharani Chandra Kumar, Head of the EECE Department, our esteemed IETE faculty advisors:

Dr.P.Raju, Dr.S.Saradha Rani, N.V.S.V Vijay Kumar, and Professor P.V.Y Jayasree, Professor J.B. Seventline . Additionally, the commendable efforts of the IETE team members, who demonstrated outstanding coordination, played a pivotal role in ensuring the event's grand success. The EPL undoubtedly lived up to its reputation as the battle of the best.





### Champions: 3-C



### Runner Up: 3-D



### Fair play: 2-B



## Workshop on Changing face of broadcast technology:

Broadcast engineering has been undergoing revolutionary changes from time to time. The advent of digital techniques and the resultant OTT platforms have the potential to change the face of broadcasting together with profound implications for the ways in which broadcast content is produced, distributed, consumed and utilized.

The present workshop on Changing face of broadcast technology provides overview of the OTT scenario, opportunities and challenges thrown up by the individual the transmission and receiving end. In particular, the seminar discusses in depth the emerging 5G networks and how broadcast services can be catered on the new generation phones and other handheld devices while retaining at the same time home viewing on conventional TV sets and radios among young engineering graduates and working professionals alike. They have been an ideal venue for meeting of minds, sharing of knowledge, exchange of experiences and planning for future. Event conducted date : 7<sup>th</sup> March 2025.

The resource person was Sri.N V Ramana ,Deputy Director General,Doordarshan Hyderabad.Prof.K.Nagedra Prasad ,Director,Prof.P.Bharani Chandra Kumar,HoD,EECE Dept. of EECE addressed the gathering.



# IEEE STUDENT BRANCH



**IEEE STUDENT BRANCH**  
**DEPARTMENT OF ELECTRICAL, ELECTRONICS AND COMMUNICATION**  
**ENGINEERING**  
**GITAM SCHOOL OF TECHNOLOGY**  
**GITAM Deemed to be University, VISAKHAPATNAM-530045**

**IEEE EXECUTIVE COMMITTEE (2024-25 AY)**

<b>Name of the Faculty</b>	<b>Position</b>
Dr. Md Khwaja Muinuddin Chisti	Student Branch Counselor
Prof. P V Y Jaya Sree	Women in Engineering Affinity Group Faculty Advisor
Dr. K. Renu	Signal Processing Society Faculty Advisor
Dr. U. Ratna Kumari and Dr. B. Srinu	Antenna & Propagation Society Faculty Advisor
Dr. B. Suri Babu Naick	Robotics And Automation Society Faculty Advisor
Mr. K. Aravind Kumar	Power And Energy Society Faculty Advisor

<b>Registration No.</b>	<b>Name</b>	<b>Position</b>
	<b>Student Branch</b>	
VU21EECE0100232	Navya Sree PTG	Student Branch Chair
VU21EECE0100256	Pilla Rithvik Raj Kumar	Student Branch Secretary
VU21EECE0100020	Satvika	Student Branch Treasurer
VU21EECE0100004	Madhu	Student Branch Membership Development Lead
VU21EECE0100050	Deepak Chakravarthy	Student Branch External Relations Head
VU21EECE0100215	Pradeep Chandhra dev	Student Branch Campus Coordinator
	<b>Signal Processing Society</b>	
VU21EECE0100283	Vardhan	Signal Processing Society Chair
VU21EECE0100043	Guna	Signal Processing Society Vice Chair
VU21EECE0100169	Sanjay	Signal Processing Society Secretary
VU21EECE0100274	Bhargav	Signal Processing Society Treasurer
VU21EECE0100039	Koteswar	Signal Processing Society Membership Development Lead
	<b>Antennas And Propagation Society</b>	
VU21EECE0100056	Anish	Antennas And Propagation Society Chair
VU21EECE0100018	Karthik	Antennas And Propagation Society Vice Chair
VU21EECE0100038	Vishal Raj	Antennas And Propagation Society Secretary
VU21EECE0100172	Nalla Pavan	Antennas And Propagation Society Treasurer
VU21EECE0100351	V Karthik	Antennas And Propagation Society Membership Development Lead
	<b>Robotics And Automation Society</b>	
VU21EECE0100025	Abhijit	Robotics And Automation Society Chair
VU21EECE0100037	Nanda Siddardha	Robotics And Automation Society Vice Chair



VU21EECE0100572	Nagendra	Robotics And Automation Society Secretary
VU21EECE0100300	Karthik Srivedh	Robotics And Automation Society Treasurer
VU21EECE0100045	Manoj	Robotics And Automation Society Membership Development Lead
	<b>Women In Engineering Affinity</b>	
VU21EECE0100074	Jahnvi	Women In Engineering Affinity Chair
VU21EECE0100397	Vrinda	Women In Engineering Affinity Vice Chair
VU21EECE0100062	Manogna	Women In Engineering Affinity Secretary
VU21EECE0100532	Bhagya Sree	Women In Engineering Affinity Treasurer
VU21EECE0100012	Sravani	Women In Engineering Affinity Membership Development Lead
	<b>Power &amp; Energy Society</b>	
VU21EECE0200004	Aman Yadav	Power & Energy Society Chair
VU21EECE0100066	Sashank	Power & Energy Society Vice Chair
VU21EECE0200056	Syed Tajuddin	Power & Energy Society Secretary
VU21EECE0100011	Sudheer	Power & Energy Society Treasurer
VU21EECE0100345	Jairam	Power & Energy Society Membership Development Lead

**IEEE STUDENT BRANCH**  
**DEPARTMENT OF ELECTRICAL ELECTRONICS AND COMMUNICATION**  
**ENGINEERING**  
**GITAM SCHOOL OF TECHNOLOGY**  
**GITAM Deemed to be University, VISAKHAPATNAM-530045**

**List of Student IEEE Memberships (2024-25AY)**

<b>Sno</b>	<b>Membership Number</b>	<b>Name</b>	<b>Email Address</b>
1	94419977	Rambarki Sai Aashik	sai.ashik666@gmail.com
2	99094954	Nanda Siddhardha	nandasiddhardha@gmail.com
3	99117075	Thummalapalli Madhu	mthummal@gitam.in
4	99117083	Pedapudi Sanjay Kiran	spedapud@gitam.in
5	99151832	Manyala Vardhan	dhonim2007@gmail.com
6	99151874	Baggam Sai Anish	saianish1236@gmail.com
7	99152128	Karunakaram Sai Sashank	ksashank07@gmail.com
8	99153384	Pilla Rithvik Raj Kumar	rithvikraj2004@gmail.com
9	99153492	Kuncham Koteswar	kunchamkoteswar@gmail.com
10	99153519	P.T.G. Navya Sree	navyapalavancha@gmail.com
11	99153538	Manukonda Deepak Chakravarthy	deepakrockzzdeepak@gmail.com
12	99153872	Sagiraju Abhijit	abhijitvarma73@gmail.com
13	99157647	Gengi Manognya Sree	manognyasree8@gmail.com
14	99382502	Nandan T P Kausalya	kausalya.nandan@bvr.it.ac.in
15	100533748	Komaragiri Sai Krishna	vivekkommaragiri@gmail.com
16	100534035	Paliseti Sajal	palisetisajal95@gmail.com
17	100534266	Bhavisetty Sai Harsha	saiharsha004@gmail.com
18	100534326	Duvvana Flourish Bala	flourishbala20@gmail.com
19	100534327	Kumar Vinod	vvkc2004@gmail.com
20	100534328	Indupuri Lakshmi Sireesha	ivrsireesha@gmail.com
21	100534331	Chakali Pavan Sai	pavansaic275@gmail.com
22	100534334	Polimahanthi Sanjeev	polimahanthisanjeev@gmail.com
23	100534335	Andhavarapu Karthik	andhavarapukarthik6@gmail.com
24	100534337	Shaiek Mohammad Afzal	deeniafzal786@gmail.com
25	100534349	Bellana Sai Sekhar	sekharbellana16@gmail.com
26	100534350	Mohammed Rehaan Ali	rehaan4004@gmail.com
27	100534352	Paliseti Murali Krishna	palisetimuralikrishna085@gmail.com
28	100534353	Baratam Rakshitha	baratamrakshitha@gmail.com
29	100534354	Talari Jaydeep	jaydeept2411@gmail.com
30	100534355	Pullamsetty Yashoda Nandan	yashodanandanpullamsetty2006@gmail.com
31	100534356	Siginam Teekshith	teekshiths@gmail.com

32	100534358	Dogga Madhu	madhudogga2@gmail.com
33	100534359	Sura Madhava Rao	suragovindarao@gmail.com
34	100534368	Adapa Sai Devesh	saideveshadapa@gmail.com
35	100534369	Dey Diwakar	ddey433@gmail.com
36	100534371	Sekhar Sai Banka Chandra	chandrasedkhar200527@gmail.com
37	100534372	Sri Raja Vatsavai Praneeth Varma	praneethvarma2006@gmail.com
38	100534373	Gidijala Bhanu Shankar	gidijalaraja@gmail.com
39	100534374	Jyothiradhitya Chelluru	chellurujyothiradhitya@gmail.com
40	100534375	Pekala Navya	pn3694045@gmail.com
41	100534376	Gosangi Karthik	karthikgosangi04@gmail.com
42	100534379	Samineedi Shanmuka Sai Abishay	saisamineedi@gmail.com
43	100534381	Pinninti Mohith	mohith4pinninti@gmail.com
44	100534385	Mudunuri Nikhita	nikhita.mudunuri@gmail.com
45	100534387	Siddhani Leela	leelasiddhani2005@gmail.com
46	100534388	Sivati Hima Vijay Sai Sundar	himavijay1520@gmail.com
47	100534389	Sanjay Manga	sanjaybb986@gmail.com
48	100534390	Uppala Sharmila	sharmilau631@gmail.com
49	100534391	Chunduru Sri Vaishnavi	srivaishnavichunduru005@gmail.com
50	100534393	Akanksha Akanksha	akanksha.in@ieee.org
51	100534394	Maram Lakshmi Pavan Kumar Reddy	pavankumarreddymaram1619@gmail.com
52	100534395	Bharath Jammula	jammulabharath004@gmail.com
53	100534396	Vasireddy Vivek Satya Sai	vasireddy05@gmail.com
54	100534401	Besetti Yashwanth	yashwanthbesetti22@gmail.com
55	100534402	Ketha Venkata Naga Sai Satyanarayana	satyaketha11@gmail.com
56	100534403	Mandala Jyothi	jyothimandala146@gmail.com
57	100534405	Modalavalasa Jagaddieshvar	jagaddieshvarmodalavalasa@gmail.com
58	100534421	Kaliya Nithish	kaliyanithish123@gmail.com
59	100534422	Anga Vijay Jyothi Swaroop	jyothiswaroop1210@gmail.com
60	100534426	Mohammad Suhail	suhailmohammad467@gmail.com
61	100534444	Yeturu Raja Sekhar	rajasekhary44@gmail.com
62	100534469	Vadlamani Srinitya Gargeyi	vadlamaninitya@gmail.com
63	100534496	Pinninti Praveen Kumar	praveenpinniti74@gmail.com
64	100534502	Yellapu Sri Charan	charan2006sri@gmail.com
65	100534505	Ram Vasamsetty Aditya	adityaram1911@gmail.com
66	100534520	Saladi Sri Sathya Sai Ganesh	sathyasaiganesh2329@gmail.com
67	100534731	Imandi Meghana	imandimeghana12@gmail.com
68	100534855	Reddy Munnangi Lokender	nani9441317301@gmail.com
69	100534856	Singanpalli Bhanu Prakash	bhanuprakashsinganapalli@gmail.com
70	100534874	Jakku Revanth Naidu	rn.jakku@gmail.com
71	100534876	Bhogapurapu Naga Phani Sharma	sharmabhogapurapu77@gmail.com
72	100534910	Vangapandu Pavan Parameswar	vangapandusatyavathi0310@gmail.com

73	100534911	Puvvala Tri Lokesh	puvvalatrilokesh@gmail.com
74	100534914	Ganagalla Mohan	ganagallamohan21@gmail.com
75	100536273	Boddu Varshini	varshiniboddu999@gmail.com
76	100536293	Vasantha Jahnavi	jahnavivasanthajanu@gmail.com
77	100536294	Vadaga Suvekshana	suvekshanav@gmail.com
78	100536310	Yagneshwari Sunkari Sri	yagneswaris@gmail.com
79	100536316	Budamkayala Akhila	abudamka@gitam.in
80	100536330	Sasumana Somanath	sasumanasomanath2006@gmail.com
81	100536449	Madani Vamsi Krishna	vk9678908@gmail.com
82	100542135	Podugu Shravani	shravani.podugu@gmail.com
83	100544568	Kayitha Leela Prasanth	leelaprasanthkayitha@gmail.com

## IEEE Events:

### Electro Mania

Electro Mania, a successful event organized by the IEEE Student Branch, was designed to promote interest in electronics and programming among students. The event featured a variety of engaging activities, including a pattern printing contest, a resistor color code challenge, an electro-Jenga showdown, and a corridor escape challenge. During the event, the participants were able to play technical games and challenges which enhanced their participation even more toward the games. They are as follows:

#### 1) Pattern Printing Contest:

- Participants wrote code to print specific patterns using loops.
- Activities included creating simple patterns like triangles, squares, and diamonds.

#### Resistor Color Code Challenge:

- Participants were given color codes and resistors to identify the resistance values.

#### Electro-Jenga Showdown:

- Teams answered electronics questions and stacked Jenga blocks.
- Incorrect answers or no answers required removing a block.
- The game ended when the tower collapsed, and the team causing the collapse lost.

#### 2) Corridor Escape Challenge:

- Participants navigated a corridor obstacle course, solving questions to progress.

The challenges were a thrilling spectacle to watch. In the Pattern Printing Contest, teams raced against the clock to create intricate patterns using code. The Resistor Color Code Challenge tested participants' knowledge of electronics as they deciphered the values of resistors.

The Electro-Jenga Showdown was a high-stakes battle of wits and reflexes, with teams balancing Jenga



blocks while answering electronics questions. Finally, the Corridor Escape Challenge required participants to navigate a challenging obstacle course and solve puzzles to reach the finish line. Electro Mania was a resounding success, providing students with a fun and educational experience.



Participants enjoyed the challenges and learned valuable skills in electronics and programming. The event also fostered teamwork and problem-solving abilities. Electro Mania organized by IEEE Student Branch was a valuable event that contributed to the development of ECE students' technical skills and interest in electronics. By offering a variety of engaging activities, the event provided a positive and memorable experience for all participants.

The IEEE Student Branch is proud to announce the successful completion of Electro Mania, a thrilling event that brought together students from all backgrounds to explore the exciting world of electronics and programming. Participants enjoyed a variety of engaging challenges, including a pattern printing contest, a resistor color code challenge, an electro-Jenga showdown, and a corridor escape challenge. Total participants=100



## VID-Youth - 2K24

The IEEE Student Chapter at GITAM hosted VID-YOUTH 2K24, a two-day event dated 3&4-10-2024 designed to engage students in a variety of enriching activities. This event aimed to create an environment where participants could collaborate with peers and enhance their technical skills and knowledge.



With a diverse lineup of competitions and activities, the event provided students with the opportunity to explore their interests while connecting with fellow members. Our vision was to foster an atmosphere where participants could immerse themselves in learning while having fun.

Participants engaged in a variety of activities, including a dart duel, circuit crossword, resistor bingo, blow your way, resistor reveal, treasure hunt, memory quest, find the error, circuit maze, and a tech toss challenge. These activities not only challenged participants intellectually but also encouraged them to think creatively and work efficiently under pressure. Total participants=52

The event featured the following activities on day1

#### 1) Resistance Reveal:

Participants calculated Thevenin's Equivalent Resistance of a provided circuit by deactivating independent sources and building a corresponding circuit.

#### 2) Dart Duel:

Players took three shots at a dartboard, earning points based on their accuracy. Participants were challenged with questions if their scores fell within a specific range, adding a layer of strategy to the competition.

#### 3) Blow Your Way:

Using only a straw, participants navigated resistors through a zigzag arrangement of cups. They had to match the resistor at the end of the path with the correct one from a set, focusing on speed and precision.

#### 4) Circuit Crossword:

A crossword puzzle filled with clues about electronics, circuits, and engineering fundamentals provided a fun way to reinforce knowledge while challenging participants' recall abilities.



#### 5) Resistor Bingo:

Participants received a Bingo card featuring resistor colour codes. As values were called out, players raced to mark them on their cards, blending excitement with practical knowledge of resistor values.

The event featured the following activities on day-2:

1)Circuit maze:

Participants navigated through the maze with the objective of collecting components. They were tasked with retrieving specific components required to create a functioning circuit based on the questions provided.

2)Memory quest:

In this activity, a set of cards is placed face down on a table, with each pair featuring the same symbol or picture. The game is played one-on-one, with players taking turns to flip over two cards at a time. The goal is to collect the most pairs of matching cards by remembering their locations.

3)Tech toss challenge:

This is a team-based game where two players compete. One player bounces a ping pong ball across a table, while the other tries to catch it using a glass. If the catcher successfully catches the ball, they are presented with a question and can earn points based on their response.

4)Find the error:

In the Find the Error activity, participants are presented with a circuit diagram alongside a built circuit. Their task is to identify any errors in the circuit, modify it accordingly, and successfully achieve the correct output.

5)Treasure hunt:

In the Treasure Hunt activity, two teams compete in an exhilarating race. Each team starts with a hint leading to the next clue, discovering additional hints and pieces of an event poster at each stop. The goal is to gather all hints and complete the poster within the time limit. The team that collects the most hints or finishes their poster first is declared the winner, adding a thrilling competitive edge.



The

event provided a vibrant atmosphere filled with enthusiasm and energy. Each activity not only entertained but also offered practical insights into various aspects of engineering and technology. Participants enthusiastically immersed themselves in friendly competitions like the Dart Duel and Resistor Bingo, which sparked excitement. Creative problem-solving was showcased in activities such as Blow Your Way and Resistance Reveal,

where participants developed innovative solutions under pressure. The Circuit Crossword provided a fun



cognitive challenge, enhancing participants' knowledge and skills. The Circuit Maze was particularly thrilling as teams raced against the clock to complete their circuits. The Memory Quest added a fun twist to cognitive challenges, while the Tech Toss Challenge kept participants engaged with its blend of skill and knowledge. The Treasure Hunt introduced a competitive edge, encouraging teamwork as participants raced to uncover clues. Overall, the event was a captivating display of learning and engagement, showcasing the talents and enthusiasm of all participants.

VID-YOUTH 2K24 was a dynamic two-day event organized by the IEEE Student Chapter, designed to engage students in a variety of enriching activities that blend technical knowledge with interactive challenges.

The event featured the dart duel, circuit crossword, resistor bingo, blow your way, resistor reveal, Circuit Maze, Memory Quest, Tech Toss Challenge, Find the Error, and Treasure Hunt, all aimed at enhancing participants' skills while promoting collaboration and creativity.

#### Conclusion:

Event:	VID-YOUTH 2K24
Organising Club:	IEEE Student Chapter
Event Date:	3 <sup>rd</sup> October - 4 <sup>th</sup> October ,2024
Event venue:	ICT building lobby
Campus:	Vishakhapatnam
Participants:	52

The IEEE Student Chapter takes pride in the successful conclusion of VID-YOUTH 2K24, an event that united students in their exploration of the exciting realms of technology and engineering. Participants dove into various challenges that not only sharpened their skills but also ignited a deeper passion for the field. The energy, creativity, and camaraderie witnessed throughout the event made it a memorable experience for everyone involved, leaving a lasting impact that we hope will inspire continued exploration and innovation in their future endeavours.



## Centers of Excellence and R&D in Colleges

The IEEE Student Branch of GITAM organized an Open Discussion on "Centres for Excellence and R&D in Colleges," dated 20-12-2024, featuring prominent speakers and insightful discussions. Dr. T. Srinivas, Professor at IISc Bangalore, Chair, IEEE Bangalore Section delivered an engaging session on Quantum Information Technology using Photonics, exploring topics such as QUBITS, quantum entanglement, quantum cryptography, and the revolutionary impact of photonics on communication technologies.

Dr. Laxmi Narayana, Vice-Chair of IEEE Membership and Branding, IEEE India Council, provided valuable insights on establishing "Centers of Excellence" in academia. He emphasized their role in securing research grants from government agencies, MNCs, and R&D industries, advocating for their integration into broader research ecosystems.

Dr. Ambar Bajpai, Excom member of IEEE Bangalore Section, highlighted advancements in communication technologies, focusing on the application of AI-driven channel coding in 6G communications.



Prof. K. Nagendra Prasad Garu, Director of GITAM School of Technology, inspired the audience by highlighting the latest advancements in technology and their transformative impact on society. He emphasized the critical importance of continuous learning and skill enhancement to stay ahead in this rapidly evolving world. Encouraging students to seize every opportunity, he urged them to explore innovative ideas, engage in collaborative research, and actively contribute to technological progress.



The event was coordinated by Prof. P. Bharani Chandra Kumar, Head of the EECE Department, Dr. Md. K. M. Chisti, IEEE Student Branch Counsellor, Dr. B. Suribabu, Faculty Coordinator, and Ms. Navya Sree, IEEE Student Branch Chair.

### **Ideate Session-2 on Internet of Things (IoT):**

The IEEE Student Branch at GITAM (Deemed to be University) successfully held an informative second ideation session titled “Internet of Things (IoT)” dated: 25<sup>th</sup> September 2024 conducted by Dr. Budidi Uday Kumar. The session aimed to provide students with a thorough understanding of various sensors and their practical applications in electronics.

The session commenced with an introduction to a variety of sensors, such as ultrasonic sensors, IR sensors, M9050, ESP32, DHT11, and LM35. Dr. Uday Kumar detailed the functionality and uses of each sensor, emphasizing their importance in

modern electronic systems. This foundational knowledge helped participants build a strong base in sensor technology.



The discussion then progressed to the integration of these sensors with Arduino, where the instructor highlighted how this microcontroller can be utilized to connect and control different sensors, demonstrating its versatility in developing innovative projects.



A key moment in the session was a video presentation showcasing a CPR (Cardiopulmonary



Resuscitation) aid system developed by a GITAM student. This project illustrated the effective use of sensors combined with an Arduino microcontroller, demonstrating the potential for life-saving applications. The example encouraged students to consider how they could implement similar concepts in their own projects.

The session concluded with participants gaining valuable insights into the practical applications of sensor technologies and their integration with microcontrollers like Arduino. It was a highly educational experience that left attendees with a deeper understanding of these technologies.

### **Ideate session-1 Career Options After B.Tech ECE**

The IEEE Student Branch, GITAM (Deemed to be University) successfully organized an informative ideate session titled "Career Options After B.Tech ECE" dated 11<sup>th</sup> September, 2024

by Dr. Rallapati Aditya. The session aimed to provide students with valuable insights into potential career paths available after completing their Bachelor's degree in Electronics and Communication Engineering (ECE).

The session featured a knowledgeable proctor who shared a wealth of information on various career avenues for ECE students. The discussion

covered multiple core job opportunities, emphasizing the importance of aligning one's skills and interests with career choices.



The proctor elaborated on different sectors within ECE where graduates could find promising employment, such as telecommunications, embedded systems, VLSI design, and signal processing, real-world examples.





Case studies were shared to illustrate how graduates successfully transitioned into these roles. And the session also highlighted the significance of pursuing higher studies, such as M.Tech or MBA, as a means to enhance employability and expertise in specialized areas. The proctor encouraged students to consider research opportunities that could pave the way for academic and industry careers.

A key focus of the session was the GATE (Graduate Aptitude Test in Engineering) exam. The proctor provided insights into how this examination can open doors to various career options, including higher education and public sector jobs. Tips on preparing for GATE were shared, along with the benefits of achieving a good score, such as scholarships and job opportunities in prestigious organizations, such as Indian Institute of Technology (IIT) and reputed National Institute of Technology (NIT). By focusing on GATE, students simultaneously prepare for ESE, which opens doors to prestigious

government positions and enhances job security in top semi-conductor MNC's such as Inter, Qualcomm, NVIDIA, AMD.

The ideate session was an excellent platform for ECE students to gain clarity on their career trajectories. The insights shared about GATE and its dual benefits for both core job placements and government exams were particularly enlightening. Participants left with a renewed sense of purpose and direction in their academic and professional journeys.



**IETE & IEEE**

**Department of EECE**