G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL

List of IEEE Activities conducted in the month of August- 2024

List of activities done under IEEE STB 15721

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B,
IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. IEEE PELS of GPREC in association with PES,IAS SBC's and EEE Department organized an event "Electrica – Poster Presentation on 19-08-2024 for II & III – B.Tech EEE students.
   Number of participants for the event are 27.
2. IEEE PELS of GPREC in association with PES, IAS SBC's and EEE Department organized an event "Treasure Hunt" on 21-08-2024 for II, III & IV– B.Tech EEE students. Number of participants for the event are 68.

3. 3. IEEE PELS of GPREC in association with PES, IAS SBC's and EEE Department organized an "Industrial Visit" to 400/220 KV Substation, AP Transco, Nannur on 22-082024 for III – B.Tech EEE students. Number of participants for the event are 60.

4. IEEE PELS of GPREC in association with PES, IAS SBC's and EEE Department organized an "Technical Talk on Role of Automation in Electrical Engineering" on 23-08-2024 for II – B.Tech EEE students. Number of participants for the event are 66.

5. IEEE SB of GPREC in association with IEEE Hyderabad Section organized a webinar on "Invited Talk on Engineering Excellence Reliability & Empowerment" on 29-8 – 2024 for II II – B.Tech students. Number of participants for the event are 150.

Information Theory Society Students Chapter (SBC15721D)

&

IEEE Communications Society Students Chapter (SBC15721)

&

IEEE Microwave Theory and Techniques Students Chapter (SBC15721)

&

IEEE Sensors Council (SBC15721H)

1. IEEE Information Theory Society conducted "Administrative meet" on August 29th 2024 for all IEEE IT Society Exe com members.

2. IEEE Information Theory Society conducted a session on "Awareness of IEEE and benefits of IT Society" on August 23rd 2024 for all the ECE students. Total no. of participants are 65.

3. The IEEE GPREC COMSOC SBC chapter organized an event "CALL FOR VOLUNTEERS " on 28-08-2024 at 3.30PM. The number of students participation is 8 and 4 IEEE volunteers.

IEEE Computer Society Students Chapter (SBC15721C)
&
IEEE Computational Intelligent Society Students Chapter (SBC15721H)

The GPREC IEEE-Computer Society Student Branch Chapter conducted

1. IEEE-CS organized an event Bioinformatics on 29 th August, 2024 from 3.00 PM to 4.10 PM at CS-2.
2. IEEE-CS organized a Guest Lecturer session - Emerging Technologies on 30th August,2024 from 3.00 PM to 4.10 PM at CS-2. **. Pulla Reddy Engineering College (Autonomous): Kurnool**

Activity Report of IEEE Student Branch

Dt.21 -08 - 2024

Event Number : **CAA/ S.No 1**

Name of the CAA Chapter : **GPREC IEEE PELS SBC**

Collaborating Organization : **PES & IAS SBC's**

Name of the Activity : **ELECTRICA -poster presentation**

Date and Time of Activity : **19 th August 2024 from 3:00 PM – 4:30PM**

Details of Resource Persons, if any :

Number of Participants (List to be enclosed): Total number of students is 27

Details of Faculty/Students Coordinators:

Faculty Coordinators:
Dr. V. Anathalakshmi, Dr.G.SAssociate Professor, EEE Dept, SB Counsellor and PELS SBC faculty Advisor
Student Coordinators: Chethan Kumar, Ashok, Reethika Sreeja & Suma
Objective:
The main objective of this session is to make the students aware of latest technologies

Description of Event: Poster presentations is deeply rooted in the principles of active learning and visual literacy. By compelling presenters to distill their work into the most essential elements, poster presentations **encourage clarity of thought and the ability to prioritize information effectively**. In this context, GPREC IEEE PELS SBC in association with IEEE PES & IAS Chapters organized a poster presentation on 19th August 2024. Themes given for poster presentation are as follows
1.Recent Trends in Power Systems
2.Embedded & IOT
3. Renewable Energy Sources.

A total of 27 students participated in the event.

Photos:

(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch

Dt.21 -08 - 2024

Event Number : **CAA/ S.No 2**

Name of the CAA Chapter : **GPREC IEEE PELS SBC**

Collaborating Organization : **PES & IAS SBC's**

Name of the Activity : **Treasure Hunt**

Date and Time of Activity : **21 th August 2024 from 3:00 PM – 4:30PM**

Details of Resource Persons, if any :

Number of Participants (List to be enclosed): Total number of students is 68

Details of Faculty/Students Coordinators:

Faculty Coordinators:
Dr. V. Anathalakshmi, Dr.G.Sreenivas Reddy, Associate Professor, EEE Dept & Smt.G.Haritha, Assistant Professor, EEE Dept

Student Coordinators: Chethan Kumar, Ashok, Reethika Sreeja & Suma

Objective:
The main objective of this event is to make the students follow clues or solve puzzles to locate a hidden treasure or complete a specific objective.

Description of Event:

In recent years, educators have increasingly turned to gamification as a powerful tool to engage students in learning. Among the various gamification strategies, treasure hunt games stand out as an effective means to foster critical thinking, problem-solving skills, and teamwork among students. By blending entertainment with education, treasure hunt games offer a dynamic approach to learning that appeals to students of all ages.

These games can take place in various settings, including classrooms, outdoor environments, or even virtually through digital platforms. The essence of a treasure hunt lies in its combination of mystery, exploration, and problem-solving

In this context GPREC IEEE PELS SBC in association with PES & IAS SBC'S conducted treasure hunt on 21st August 2024 for EEE students**.**

Photos:

(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB(STB – 15721)

Dt. 23-08-2024

Event Number : CAA/ S.No 3

Name of the CAA Chapter : GPREC IEEE PELS SBC

Collaborating Organization : PES and IAS SBC'S

Name of the Activity : INDUSTRIAL VISIT

Date and Time of Activity : 22-08-2024 from 10.30 to 1:00 PM

Details of Resource Persons, if any :

Meeting link:

Number of Participants (List to be enclosed): 60

Details of Faculty/Students Coordinators:

Faculty Coordinators:

Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, SB Counsellor and PELS SBC faculty Advisor

Dr. G. Sreenivasa Reddy, Associate Professor, EEE dept, IAS SBC faculty advisor Smt. G. Haritha, Assistant Professor, EEE Dept, PES SBC Faculty Advisor **Student Coordinators:**

Chethan Kumar , G.Ashok Kumar

Objective: The primary objective of the industrial tour from Pulla Reddy Engineering College to the 400/220kV Substation is to enhance students' understanding of electrical infrastructure and substation operations and the broader energy sector. Beyond technical knowledge, the tour seeks to cultivate critical thinking, problem-solving skills, and a sense of responsibility towards safety and sustainability in engineering practices. By providing a hands-on experience, the tour aims to bridge the gap between theoretical concepts taught in classrooms and their practical applications in the field. Furthermore, the tour seeks to familiarize students with safety protocols and industry standards, preparing them for future careers in electrical engineering.

Description of Event:

G.Pulla Reddy Engineering College students embarked on an illuminating industrial tour to a 400/220kV Substation, immersing themselves in the intricate world of electrical infrastructure. Guided by faculty members, they traversed through transformer yards, circuit breakers, and control rooms, gaining invaluable insights into substation operations. Safety protocols were emphasized, instilling a culture of responsibility. Through interactive sessions with industry professionals, students broadened their understanding of electrical engineering's real-world applications. The tour not only enhanced their practical knowledge but also fostered critical thinking and problem-solving skills. It stands as a testament to Pulla Reddy Engineering College's commitment to holistic engineering education.

Outcome:

Industrial tour to the 400/220kV Substation provided students with invaluable practical exposure to real-world applications of electrical engineering concepts. It served as a

platform for bridging the gap between theoretical knowledge and practical implementation. The insights gained from the visit will undoubtedly enrich the academic journey of the students and prepare them for future challenges in the field of electrical engineering.

Photos:

(Signature)
Coordinator of Chapter
GPREC, PELS SBC
Name: Dr. V. Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt.23 -08 - 2024

Event Number : CAA/ S.No 4

Name of the CAA Chapter : GPREC IEEE PELS SBC

Collaborating Organization : PES & IAS SBC's

Name of the Activity : Technical Talk on Role of Automation in Electrical Engineering

Date and Time of Activity : 23rd August 2024 from 2:30 PM – 4:00PM Details of

Resource Persons, if any :

Number of Participants (List to be enclosed): Total number of students is 66

Details of Faculty/Students Coordinators:

Faculty Coordinators:
Dr. V. Anathalakshmi, Dr.G.Sreenivas Reddy, Associate Professor, EEE Dept & Smt.G.Haritha, Assistant Professor, EEE Dept
Student Coordinators: Chethan Kumar, Ashok, Reethika Sreeja & Suma Objective:

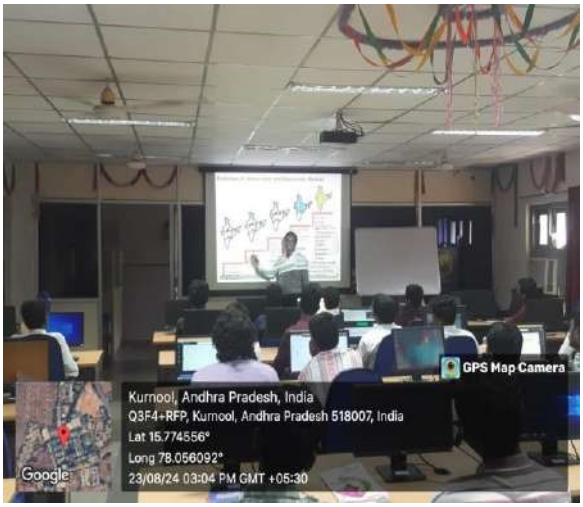
The main objective of this event is to make the students to adapt to evolving technological landscapes, enhances their problem-solving abilities, and expands their career opportunities across various industries**.**

Description of Event:

In today's highly competitive job market, having the right technical skills is essential for students to succeed. The importance of Technical Skills for Students can be defined as abilities and knowledge that relate to specific tools to complete a task. Technical skills are essential for students in today's digital age as they empower them to navigate and excel in an increasingly technologydriven world.

In this context GPREC IEEE PELS SBC in association with PES & IAS SBC'S conducted a technical talk on 23rd August 2024 for EEE students**.** The resource person for this event is Sri.D.Satish , Assistant Executive Engineer. The topic delivered by the resource person is Role of Automation in Electrical Engineering. In the session the resource person discussed the crucial role played by automation in electrical engineering in power generation and distribution systems. Through the use of advanced control systems and monitoring tools, engineers can efficiently manage and optimize the flow of electricity, ensuring the smooth operation of electrical grids and reducing the risk of power outages. He also said that automation enables swift detection of faults and enables quick response, minimizing downtime and improving reliability.

Photos:



(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt.23 -08 - 2024

Event Number : CAA/ S.No 5

Name of the CAA Chapter : GPREC IEEE SB

Collaborating Organization : IEEE WIE AG HYD SECTION

Name of the Activity : Technical Talk

Date and Time of Activity : 29th August 2024 from 11:00 AM – 12:30PM Details of

Resource Persons, if any :

Number of Participants (List to be enclosed): Total number of students is 150

Details of Faculty/Students Coordinators:

Faculty Coordinators:
Dr. V. Anathalakshmi, Associate Professor, EEE Dept &Dr.K.Devaki Devi, Associate Professor, ME Dept
Student Coordinators: M.Sree Varshini, Kamalesh, K.Jagadeeshwara Reddy
Objective:

The main objective of this event is to make the students to adapt to evolving technological landscapes, enhances their problem-solving abilities, and expands their career opportunities across various industries**.**

Description of Event:

Technical skills are essential for students in today's digital age as they empower them to navigate and excel in an increasingly technology-driven world. In this context GPREC IEEE SB in association with IEEE WIE AG Hyderabad section conducted a technical talk on 29th August 2024 for II B.Tech students of all branches**.** The resource persons for this event is Somanath Pal & Poushali Pal. The topic delivered by the resource persons is Engineering Excellence, Reliability & Empowerment. In the session the resource person discussed the following points

1. **Career Opportunities**: Engineering offers diverse and lucrative career paths. Students are drawn to the potential for innovation and problem-solving in fields like technology, infrastructure, and healthcare.

2. **Skill Development**: Engineering programs emphasize critical thinking, creativity, and technical skills. These competencies are highly valued in the job market and can lead to leadership roles.

3. **Impact on Society**: Engineers have the opportunity to make significant contributions to society by developing sustainable solutions, improving public safety, and advancing technology.

4. **Personal Growth**: The challenges of engineering education foster resilience, adaptability, and a strong work ethic. These qualities are empowering and beneficial in all aspects of life.
5. **Community and Collaboration**: Engineering students should often work in teams, which helps build a sense of community and collaboration. This environment encourages mutual support and shared success.

Photos:

(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Dr.V.Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous)

IEEE Student Branch (STB15721)

IEEE INFORMATION THEORY SOCIETY

Report on "**Awareness of IEEE and benefits of IT society "**

IEEE IT SOCIETY of GPREC SB organized interaction with volunteers i.e., "Awareness of IEEE and benefits of IT Society".

Faculty Advisor of IEEE IT SOCIETY: G. Divya Praneetha

Date **: 23**rd August,2024

Time **:** 11:30 AM to 12:30 PM

Venue **:** ECE Block-3

Resource person : Kavya , IEEE ITSOC Volunteer

NO OF PARTICIPANTS: 65

OBJECTIVE

The main objective of this event is to tell about the benefits of the IT society to the students and make them to know how the society is beneficial to the students. The event is conducted at G. Pulla Reddy Engineering College, Kurnool.

ABOUT THE EVENT

The main aim of this meet is to encourage the more people to take place in IEEE organization and get their skills polished. Each and every student has their own talent and skills and we provided a stage to brush up their skills and take place in volunteering activities. IT Soc exe-com meet has also conducted so that we can all gather together and discuss about the ongoing events conducted events and feedback of the events so that we can be able to make any changes required.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Reportof IEEE Student Branch Under CAA Cell

Dt. 02-09-2024

Event Number : **CAA/S.No 6**

Name of the CAA Chapter :**GPREC IEEE CS**

Name of the Activity : Guest Lecture on Emerging Technologies by NIT Research Scholar

Date and Time of Activity : 30 August 2024, 3 pm to 4:30 pm

Details of Resource Persons, if any : Vinnakota Saran Chaitanya, Research Scholar ,NITK

Number of Participants (List to be enclosed): Total number of students is : 33

Details of Faculty/Students Coordinators:

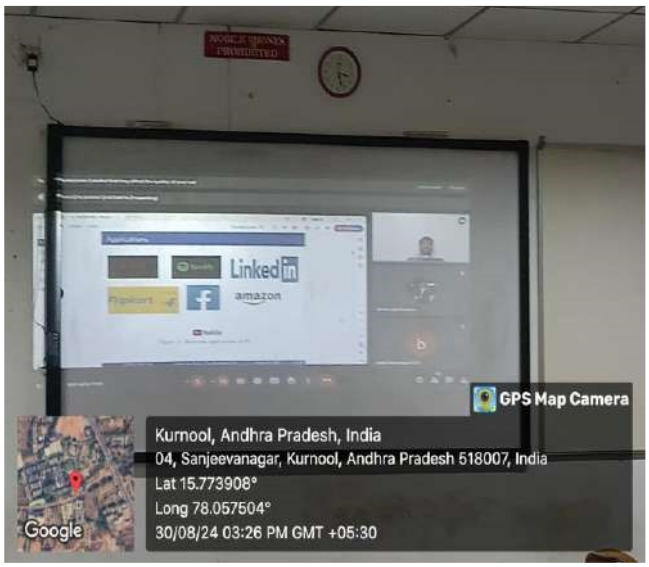
Faculty Coordinators: K Bala Chowdappa CSE Dept, CS faculty Advisor
Student Coordinators:
IEEE CS Chair : Sreereama

Objective:
The main objective of this session is to conduct a guest lecture session on Emerging technologies".

Description of Event: Vinnakota Saran Chaitanya Research Scholar NITK .presented a Guest Lecture session on Behind the scenes : The Real time mechanisms of Recommender System. In this event the speakers explained the imporantance of Emerging technologies and its real uses in real world. He mainly discussed about collaborative and feedback Recommender Systems and also interacted with the students and has described the value ofEmerging Technologies.

.

Outcome: Students who took part in and attended this event would get an idea about emerging technologies, and how it is used in real life projects and real-life applications **Photos:**



(Signature) (Signature)

Coordinator of Chapters
GPREC IEEE CS
Name: K Bala Chowdappa

Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 15

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Web Hosting

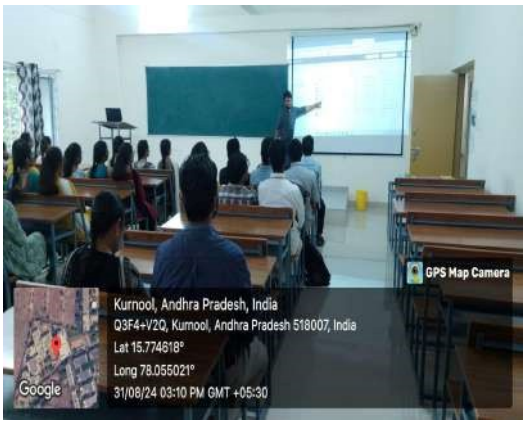
Date and Time of Activity: 31/08/2024, 3:00PM – 4:00PM

Number of Participants: 34.

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Smt. O. Roopa Devi

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized 'Web Hosting' on 31-08-2024. The web hosting event provided a comprehensive introduction to web hosting fundamentals, covering topics like domain management, server types, and hosting platforms. Participants learned how to set up and manage websites, gaining hands-on experience with hosting tools and platforms. The event aimed to enhance students' technical skills and understanding of web hosting services. The event successfully inspired many to explore careers in web development and hosting. Total participants attended are 34.

Photos:



(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed

(Signature)

Coordinator of CAA

Name: Smt. O. Roopa Devi

G. Pulla Reddy Engineering College(Autonomous): Kurnool
IEEE Student Branch (STB15721)
IEEE INFORMATION THEORY SOCIETY

Sub: Report on " Administrative Meet".

Name of the Event/Activity : Administrative Meet

Date : 29th August 2024
Time : 03.30 PM to 4.30 PM

Objective :

The main objective of this event is to bring out the good outcome from our society and to interact with the new volunteers joined in our society and guide them in a proper way. This was conducted at G. Pulla Reddy Engineering College, Kurnool.

Event details/description: IEEE IT society GPREC, we have conducted administrative meet on 29th August 2024 from 3.30 PM to 4.30PM. The main motto of this meet is to guide the volunteers of our society and to continue our communication in the same wave. What are the events to be conducted and how can we reach the students in ore effective way. How can we come up with new ideas that attract the students so that they help them for their future.

Outcome: At the end of the event we will be able to come for an end regarding the events that we need to conduct and how can we motivate the students from our side.

G. Pulla Reddy Engineering College (Autonomous):
IEEE Student Branch (STB15721)

IEEE INFORMATION THEORY SOCIETY

Report on "**Awareness of IEEE and benefits of IT society "**

IEEE IT SOCIETY of GPREC SB organized interaction with volunteers i.e., "Awareness of IEEE and benefits of IT Society".

Faculty Advisor of IEEE IT SOCIETY: G. Divya Praneetha

Date **: 30**th August,2024

Time **:** 11:30 AM to 12:30 PM

Venue **:** ECE Block-3

Resource person :D. Kavya , IEEE ITSOC Vicechair

NO OF PARTICIPANTS: 65

OBJECTIVE

The main objective of this event is to tell about the benefits of the IT society to the students and make them to know how the society is beneficial to the students. The event is conducted at G. Pulla Reddy Engineering College, Kurnool.

ABOUT THE EVENT

The main aim of this meet is to encourage the more people to take place in IEEE organization and get their skills polished. Each and every student has their own talent and skills and we provided a stage to brush up their skills and take place in volunteering activities. IT Soc exe-com meet has also conducted so that we can all gather together and discuss about the ongoing events conducted events and feedback of the events so that we can be able to make any changes required.

Google
Kurnool, Andhra Pradesh, India
Q3F4+9CG, Kurnool, Andhra Pradesh 518007, India
Lat 15.773624°
Long 78.055478°
30/08/24 12:17 PM GMT +05:30

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721) IEEE
Communications Society (SBC 15721)

Report on Call for volunteers

Name of the chapter : IEEE COMSOC

Name of the Event/Activity : Call for volunteers

Date : 28th August, 2024

Time : 3.30 PM to 4.45 PM

Venue : online

No of Participants: 12

Faculty coordinator : D.Rohini , Dept of ECE

Student coordinators : R. Navya, IIIrd - ECE
P.Likitha, IIIrd – ECE

OBJECTIVE

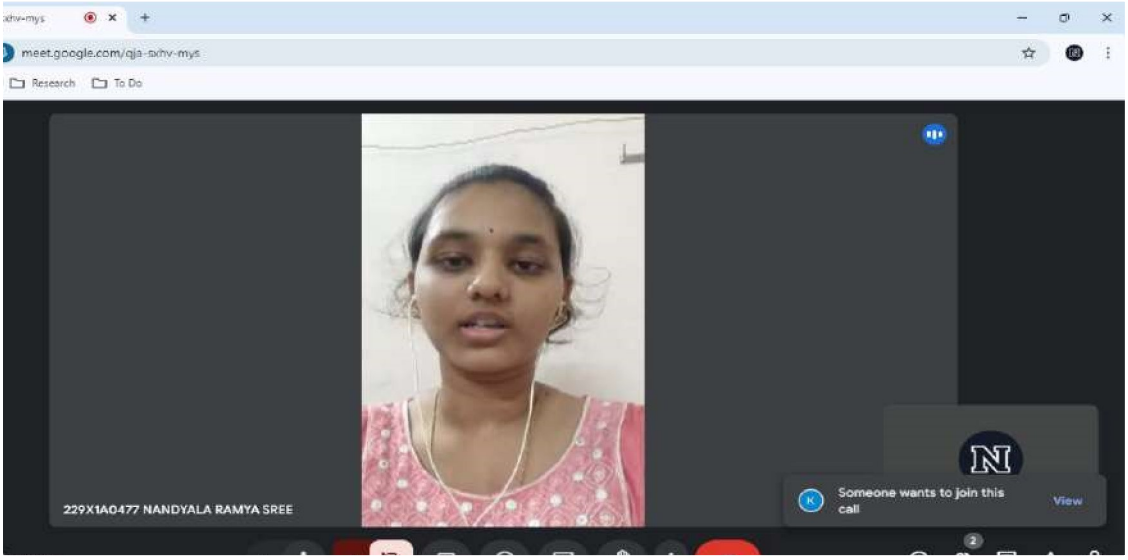
The aspiration of the event is to motivate and encourage the students to voluntarily join the COMSOC SOCIETY which provides a platform to be a part of a network were they explore themselves to improve their creativity and can enhance the skills for a successful professional life.

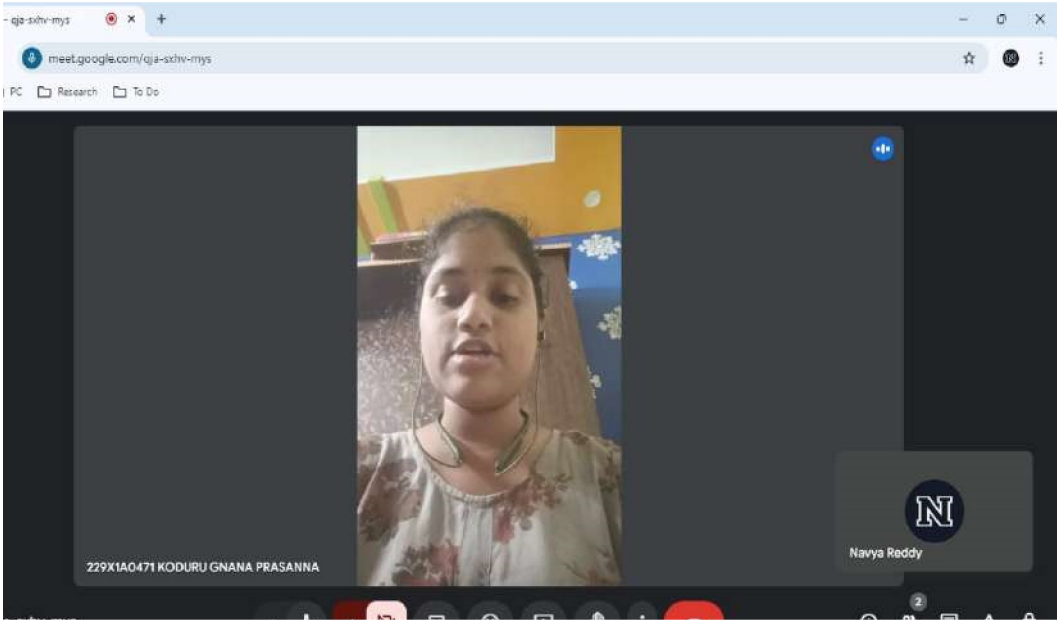
The session started with the self-introduction of the new volunteers. It also included the interaction with the already existing student volunteers.

The event focused on the following points:

- **A sense of achievement and purpose.**
- **To feel part of a community.**
- **To share your tents, learn new skills and create a better work-life balance.**

SNAPSHOTS OF THE EVENT





G. PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
IEEE GPREC SB(STB-15721)

IEEE SENSORS COUNCIL

Event Number : **CAA / S. NO 1**
Name of the chapter : **IEEE SENSOR COUNCIL**
Name of the Event/Activity :Administrative Meeting
Date : 30th August 2024.
Time : 3:15PM
Venue : ECE-7 BLOCK-3,ECE Dept.
Faculty coordinator : W.Yasmeen, Dept. of ECE
Attendee : N Sai SriDhanya,IV-ECE
B Gayathri, IV –ECE
B. Laya sree, IV –ECE
G. Mahitha Reddy -IV -ECE

Objective:

The Administration Meeting, aims to strategically plan future events for the college. The focus will be on identifying key topics, selecting suitable speakers, and scheduling events to maximize student engagement and educational impact.

Description of the event:

The administration meeting convened on 30th August, 2024 at ECE Block-3, GPREC, Kurnool, gathered key IEEE officials to discuss and strategize upcoming events crucial to the organization's calendar. Discussions primarily focused on Professional and Academic Events and Nontechnical and Outreach Events. The meeting also included the society improvements namely increase in the student volunteers, a greater number of student participation, publicity etc. This report encapsulates the deliberations and resolutions aimed at ensuring the seamless execution and success of IEEE's upcoming initiatives.

Outcomes:

The meeting was conclude discussing the strategies which were formulated to enhance coordination among team members and optimize resource allocation for successful event management. The outcomes underscore the commitment to achieving organizational objectives and fostering innovation within the IEEE community.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Reportof IEEE Student Branch Under CAA Cell

Dt. 02-09-2024

Event Number : **CAA/S.No 6**

Name of the CAA Chapter :**GPREC IEEE CS**

Name of the Activity : Guest Lecture on Emerging Technologies by NIT Research Scholar

Date and Time of Activity : 30 August 2024, 3 pm to 4:30 pm

Details of Resource Persons, if any : Vinnakota Saran Chaitanya, Research Scholar ,NITK

Number of Participants (List to be enclosed): Total number of students is : 33

Details of Faculty/Students Coordinators:

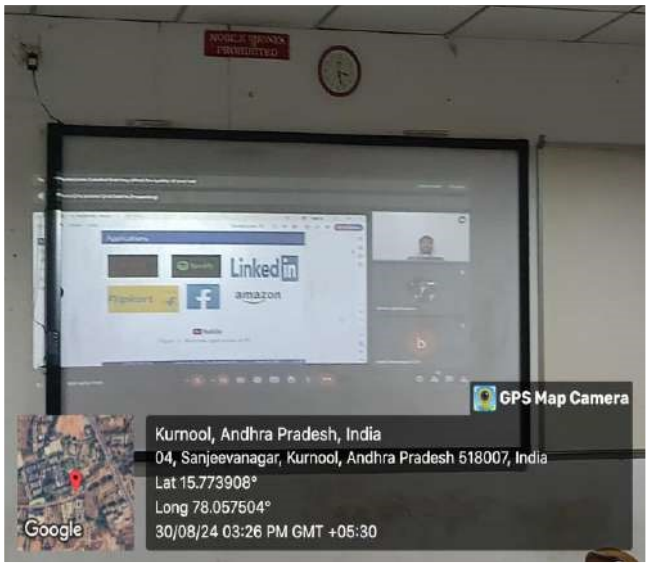
Faculty Coordinators: K Bala Chowdappa CSE Dept, CS faculty Advisor
Student Coordinators:
IEEE CS Chair : Sreereama

Objective:
The main objective of this session is to conduct a guest lecture session on Emerging technologies".

Description of Event: Vinnakota Saran Chaitanya Research Scholar NITK .presented a Guest Lecture session on Behind the scenes : The Real time mechanisms of Recommender System. In this event the speakers explained the imporantance of Emerging technologies and its real uses in real world. He mainly discussed about collaborative and feedback Recommender Systems and also interacted with the students and has described the value ofEmerging Technologies.

.

Outcome: Students who took part in and attended this event would get an idea about emerging technologies, and how it is used in real life projects and real-life applications **Photos:**



(Signature)
Coordinator of Chapters
GPREC IEEE CS
Name: K Bala Chowdappa

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 15

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Web Hosting

Date and Time of Activity: 31/08/2024, 3:00PM – 4:00PM

Number of Participants: 34.

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Smt. O. Roopa Devi

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized 'Web Hosting' on 31-08-2024. The web hosting event provided a comprehensive introduction to web hosting fundamentals, covering topics like domain management, server types, and hosting platforms. Participants learned how to set up and manage websites, gaining hands-on experience with hosting tools and platforms. The event aimed to enhance students' technical skills and understanding of web hosting services. The event successfully inspired many to explore careers in web development and hosting. Total participants attended are 34.

Photos:

(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed

(Signature)

Coordinator of CAA

Name: Smt. O. Roopa Devi

(Signature)
Faculty advisor

(IEEE SENSORS COUNCIL)
Smt. W. Yasmeen, Dept of ECE.

(Signature)
CAA
Convenor

Dr. C. Harinath Reddy, Dept of EEE.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Reportof IEEE Student Branch Under CAA Cell

Dt. 01-09-2024

Event Number **: CAA/S.No 7**

Name of the CAA Chapter **:GPREC IEEE CS**

Name of the Activity **:** Bioinformatics

Date and Time of Activity **:** 29 August 2024, 3 pm to 4:30 pm

Details of Resource Persons, if any : Execom members

Number of Participants (List to be enclosed): Total number of students is : 22

Details of Faculty/Students Coordinators:

Faculty Coordinators: K Bala Chowdappa CSE Dept, CS faculty Advisor
Student Coordinators:
IEEE CS Chair : Sreereama

Objective:
The main objective of this event is on Bioinformatics and its importance.

Description of Event: Bioinformatics session helps participants learn key tools for biological data analysis, apply computational techniques to solve biological problems, and understand the interdisciplinary nature of bioinformatics. With this session participants got an idea about Bio-informatics and the career opportunities with Bio-informatics..
Outcome: Students who took part in and attended this event would get an idea about Bio informatics, career opportunities in bioinformatics and how it is evolving, how it is useful in our daily life.

Photos:

(Signature) (Signature)

Coordinator of Chapters Coordinator

GPREC IEEE CS CAA Cell

GPREC

Name: K Bala Chowdappa Dr. C. Harinatha Reddy

List of activities done under IEEE STB 15721

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B,
IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. IEEE GPREC SB of G Pulla Reddy Engineering College has organized a One Day IEEE Ananthapuramu Zonal Congress "UMANG 2K24 -Technological Advancements and it's impact on Humanity " on 14th September 2024. Number of participants for the event are 296.

2. GPREC IEEE PELS SBC and EEE Department organized an "Technical Quiz on 4-092024 for II,III & IV – B.Tech EEE students. Number of participants for the event are 32 .

Information Theory Society Students Chapter (SBC15721D)

&

IEEE Communications Society Students Chapter (SBC15721)

&

IEEE Microwave Theory and Techniques Students Chapter (SBC15721)

&

IEEE Sensors Council (SBC15721H)

1. The IEEE MTTSoc organized anExcom Recruitment Drive and Administrative meet 2nd September 2024.The aspiration of the event is to motivate and to explore IEEE MTTSoc to the student community and to conduct a recruitment drive to interested students to act as excom for the academic year 2024-25. The Total number of Participants attended to the recruitment drive is 41 and 4 excom members.

2. The IEEE MTTSoc organized an Idea Presentation Competition 3rd September 2024.The aspiration of the event is to Present and to explore their Ideas and have a long discussions on the same topic. The idea presenters are taking the valid suggestions and updating it to their project ideas. The Total number of Participants attended to the event is 57 and 4 excom members.

3. The IEEE MTTSoc organized an Essay Writing and Elocution Competition in Association with IE(I) Student Chapter.4th September 2024 On the occasion of the 57th Engineer's Day Celebrations, to all the Engineering/AMIE/Polytechnic students studying in the jurisdiction of IE(I), Kadapa local center. The Total number of Participants attended to the event is 176.

4. The IEEE MTTSoc organized a Virtual event in Association with the India Semiconductor Mission (ISM), under the Ministry of Electronics & Information Technology (MeitY), on 11th September 2024.The event featured an address by the Hon'ble Prime Minister ShriNarendraModi, on India's advancements in the semiconductor sector. The event showcased emerging opportunities in this field, with participation from global stakeholders, including CEOs, international delegates, and key Government officials. The Total number of Participants attended to the event is 226 along with 10 faculty members.

5. The IEEE MTTSoc organized an Poster/flyer design Competition 17th September 2024. The aspiration of the event is to Design and to explore their creative Ideas in designing the Poster or flyers and have a long discussions on the different creative topics. The Total number of Participants attended to the event is 9 and 4 excom members.

6. The IEEE MTTSoc organized an An Awareness Session on "Opportunities in Gobbal premier Universities abroad for Higher Studies with Scholarships and other Facilities" 18th September 2024.The aspiration of the event is to An Awareness Session on "Opportunities in Gobbal premier Universities abroad for Higher Studies with Scholarships and other Facilities". The consultancies from Hyderabad, Edu Wave Education & Migration, Hyderabad and Global Leaning Services, Hyderabad have briefed about the abroad education and scholarship opportunities. The Total number of Participants attended to the event is 226 and 4 excom members.

7. IEEE GPREC Sensors Council has conducted **CALL FOR VOLUNTEERS** with execom members on 10thSeptember,2024 through online mode. The number of attendees are 12, out of which 3 are execom members.
8. IEEE GPREC SENSORS COUNCIL has organised one day Hands-on session on **"Navigation,Guidance and Control of UAV's** in ECE Dept,R & D lab on 18th September,2024. Session was handled by **Dr.Adharsh Kodhanda**, Founder & CEO of Aigen labs Pvt. Ltd,Hyderabad. The total number of participants are limited to 20.

IEEE Computer Society Students Chapter (SBC15721C)

&

IEEE Computational Intelligent Society Students Chapter (SBC15721H)

1. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized an event '**Tech Wars' on** 02-09-2024.The Tech Wars event focused on exploring and debating the latest trends and innovations in technology. Participants discussed cutting-edge technologies such as **Artificial Intelligence (AI), Blockchain, Quantum Computing**, and more. The event provided a platform for thought-provoking debates on the future implications of these advancements and their impact on society. Participants engaged in lively discussions, enhancing their knowledge of current technological trends while developing critical thinking and presentation skills. Total participants attended: 10.

2. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized an event 'Umang2k24' on 14-09-2024.Umang-2k24 event was a workshop **entitled** "Technological Advancements and Its Impact on Humanity," featuring four resource persons who addressed various cutting-edge technologies. Each speaker provided insights into different fields, discussing topics such as AI in VFX and gaming-Ethics and Opportunities, AI and you , sustainability , Stress Management & Emotional intelligence. The workshop explored the transformative effects of these technologies on society, industry, and human life, emphasizing both their potential benefits and challenges. The event fostered a deeper understanding of how technological innovation shapes the future. Total participants attended: 296.I
3. EEE-CIS Student's Chapter, Department of ECS, GPREC organized an event 'Awareness on IEEE' on 19-09-2024. This event aimed to raise awareness about the benefits of IEEE membership and how students can actively engage in IEEE activities. The session highlighted various opportunities within IEEE, including conferences, publications, and networking platforms that can help students advance their academic and professional careers. Attendees learned about the IEEE-CIS (Computational Intelligence Society) initiatives and how they can contribute to the development of emerging technologies. Total participants attended: 47.

4. IEEE-CS organized an event Tech Wars on 2nd September, 2024 from 3.00 PM to 4.10 PM at ECS-8.
5. IEEE-CS organized a Debate on mobile technologies and Tech-talk on coding platforms

   on 13th September, 2024 from 1.20 PM to 2.10 PM at CS-2.
6. IEEE-CS organized an event Think Tech on 17th September, 2024 from 2.10 PM to 3.00 PM at CS-1.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt.5 -09 - 2024

Event Number : CAA/ S.No 4

Name of the CAA Chapter : GPREC IEEE PELS SBC Collaborating

Organization :

Name of the Activity : Technical Quiz

Date and Time of Activity : 4th September 2024 from 2:30 PM – 4:00PM Details of

Resource Persons, if any :

Number of Participants (List to be enclosed): Total number of students is 32

Details of Faculty/Students Coordinators:

Faculty Coordinators:

Dr. V. Anathalakshmi, Associate Professor, EEE Dept, K.Nitheesh Kumar & B.Arun Kumar Assistant Professor, EEE Dept

Student Coordinators: Chethan Kumar, Ashok, Reethika Sreeja & Suma Objective:

The main objective of this event is to make the students to identifies gaps in knowledge. In addition to being a lot of fun, quizzes may be beneficial for personal development. They can teach students more about who they are and how other people see them.

Description of Event:

In addition to the apparent educational benefits of introducing students to novel ideas and abilities, quizzes greatly change the way in which knowledge is imparted. Since the questions are not curriculumfocused and require critical thinking and in-depth inquiry, students form the habit of creative learning. In this context GPREC IEEE PELS SBC conducted a technical quiz on 4th September 2024 for EEE students**.** A total of 8 teams, 4 members per team consisting of II, III & IV students participated in this event.

Outcome: The outcome of this event is students were able to identify the gaps in knowledge.

Photos:

(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB Under CAA Cell

Dt. 17-09-2024

Event Number : **CAA/ S.No 7**

Name of the CAA Chapter : **GPREC IEEE SB**

Collaborating Organization : **--**

Name of the Activity : **A One-Day IEEE Ananthapur Zonal Congress UMANG 2K24**

Date and Time of Activity : **14th September 2024 from 8.30 AM to 5.30 PM**

Details of Resource Persons, if any :

1. Sri.Ikram Ali Shaik, Chief Technology Officer, Metaversity Technologies – Dubai
2. Mr. Mahesh Nirati, IEEE Hyd Section SAC Chair
3. Akhila Maari, Delivery Manager, 15 + years of experience in IT implementation in Corporate
4. Prathyusha Parakala, Lead Program Manager for Sustainability, Dr. Reddy's Laboratories
5. Jyothirmaye.C, Counselling Psychologist

Number of Participants (List to be enclosed): Total number of students is 296 IEEE - 61, Non IEEE - 235

Details of Faculty/Students Coordinators:

Faculty Coordinators:

Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:**
IEEE SB Chair :K.Jagadeeshwar Reddy
PELS SBC Secretary : G.Chethan Kumar
PES SBC Chair : K.Ashok Kumar

Description of Event:

Objective: The main moto of this congress is to enhance students' confidence, communication skills and presentation abilities. This platform encourages empathy among students, fostering connections on a human level.

Event Details: UMANG 2K24 is an annual flagship event of IEEE Ananthapuramu SubSection, which is a blend of technical talks, sessions on soft skills, and career opportunities, wherein student members of various Universities/ Colleges under the IEEE Ananthapuramu zone gather to learn, discuss and network. The event started with lighting of lamp with dignitaries on the dais followed by prayer. The first session was taken by Mahesh Niratti on Cyber Security. What does Cyber Security mean, types, common threats and what are the challenges, finally tools and tactics to reduce vulnerabilities, prevent attacks and intercept attacks in progress. The session was taken by Ikram Ali Shaik on AI in VFX and Gaming - Ethics and Opportunities. • He said that AI in gaming refers to excellent game experiences which is more- 1. Responsive 2. Adaptive 3. Challenging. Artificial

Intelligence brings revolution in player experience, cost reduction, better performance in gaming sector. He also explained how to examine the ethical challenges that arise as AI becomes more intertwined with the gaming world.

The third session was taken by Akhila Maari on AI and You and the fourth session by Prathyusha Parakala on Sustainability. She said that Sustainability is ability to maintain or support a process over time. She also discussed the core components, benefits and challenges of sustainability.

Finally, the last session by Jyothirmaye.C on Stress Management & Emotional Intelligence in which she said that Stress is an inevitable part of life, and learning to manage it effectively is crucial for maintaining our mental and emotional well-being. Emotional intelligence (EI) plays a significant role in stress management, as it equips individuals with the skills needed to recognize, understand, and regulate their emotions, including those related to stress.

Outcome: Students learn the basics of AI,Cyber security, what does sustainability mean and how does they manage stress.

Photos:

(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

IEEE MicroWave The

Name of the Event/Activity	: Excom Recruitment Drive and Administrative meet
Date	: 02-09-2024
Time	: 3:00pm to 4:30pm
Venue	: LH 1. ECE Block 1, GPREC
Number of Participants	: 41
Faculty coordinator	: Dr P C Praveen Kumar
Student coordinators:	: T Pavani, P Subadhra P Vikram Kumar Reddy

The IEEE MTTSoc organized a Excom Recruitment Drive and Administrative meet 2nd September 2024.

Objective : The aspiration of the event is to motivate and to explore IEEE MTTSoc to the student community and to conduct a recruitment drive to interested students to act as excom for the academic year 2024-24. The Total number of Participants attended to the recruitment drive is 41and 4 excom members.

Outcome: The participants were able to gain the knowledge and real time experience through the event and also were able to explore themselves, new excoms were recruited from various level testing by present excom like their presentation skills, communication skills, writing skills and posted/flyder designs.

Photo Snaps of the event:

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

ory and Technics (SBC 15721D)

Name of the Society **IEEE MTTSOC**

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

IEEE MicroWave The

:

Name of the Event/Activity : Idea Presentation Competition

Date : 03-09-2024

Time : 3:00pm to 4:30pm

Venue : LH 1. ECE Block 1, GPREC

Number of Participants : 57

Faculty coordinator : Dr P C Praveen Kumar

Student coordinators: : T Pavani, P Subadhra P Vikram Kumar Reddy

The IEEE MTTSoc organized an Idea Presentation Competition 3rd September 2024.

Objective : The aspiration of the event is to Present and to explore their Ideas and have a long discussions on the same topic. The idea presenters are taking the valid suggestions and updating it to their project ideas.The Total number of Participants attended to the event is 57 and 4 excom members.

Outcome: The participants were able to gain the knowledge and real time experience through the event and also were able to explore themselves, with new ideas and technologies.

Photo Snaps of the event:

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

ory and Technics (SBC 15721D)

Name of the Society **IEEE MTTSOC**

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

IEEE Microwave The

	:
Name of the Event/Activity	: Essay Writing and Elocution Competition in Association with IE(I) Student Chapter.
Date	: 04-09-2024
Time	: 10:00pm to 4:30pm
Venue	: DH2 and Seminar Gallery-1, GPREC
Number of Participants	: 129+47(176)
Faculty coordinator	: Dr P C Praveen Kumar and Sri K Raju.
Student coordinators:	: T Pavani, P Subadhra P Vikram Kumar Reddy

The IEEE MTTSoc organized an Essay Writing and Elocution Competition in Association with IE(I) Student Chapter.4th September 2024.

On the occasion of the 57th Engineer's Day Celebrations, The Institution of Engineers India (IE(I)), G. Pulla Reddy Engineering College (Autonomous) Kurnool in association with IEEE MTT Society organized the Essay writing and Elocution competitions among all the Engineering/AMIE/Polytechnic students studying in the jurisdiction of IE(I), Kadapa local center on Wednesday, the 4 th September 2024. The detailed schedule of the events is given below:
Essay Writing:Driving Sustainability with Engineering Solutions Embracing the Latest AIDriven Technologies
Elocution Competition:Role of Engineers in a Developing India

Photo Snaps of the event:

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

ory and Technics (SBC 15721D)

Name of the Society **IEEE MTTSOC**

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

IEEE MicroWave Theory and Technics (SBC 15721D)

Name of the Society	**: IEEE MTTSOC**
Name of the Event/Activity	: Idea Presentation Competition
Date	: 17-09-2024
Time	: 3:00pm to 4:30pm
Venue	: LH 1. ECE Block 1, GPREC
Number of Participants	: 9
Faculty coordinator	: Dr P C Praveen Kumar
Student coordinators:	: T Pavani, P Subadhra P Vikram Kumar Reddy

The IEEE MTTSoc organized an Poster/flyer design Competition 4th September 2024.

Objective : The aspiration of the event is to Design and to explore their creative Ideas in designing the Poster or flyers and have a long discussions on the different creative topics. The Total number of Participants attended to the event is 9 and 4 excom members.

Outcome: The participants were able to gain the knowledge and showcase their Creative theaning ,real time experience through the event and also were able to explore themselves, with new ideas and technologies.

Photo Snaps of the event:

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

IEEE MicroWave Theory and Technics (SBC 15721D)

Name of the Society	**: IEEE MTTSOC**
Name of the Event/Activity	: An Awareness Session on "Opportunities in Gobbal premier Universities abroad for Higher Studies with Scholarships and other Facilities"
Date	: 18-09-2024
Time	: 10:40am to 11:30pm
Venue	: Auditorium, GPREC
Number of Participants	: 226
Faculty coordinator	: Dr P C Praveen Kumar
Student coordinators:	: T Pavani, P Subadhra P Vikram Kumar Reddy

The IEEE MTTSoc organized an An Awareness Session on "Opportunities in Gobbal premier Universities abroad for Higher Studies with Scholarships and other Facilities" 18th September 2024.

Objective : The aspiration of the event is to An Awareness Session on "Opportunities in Gobbal premier Universities abroad for Higher Studies with Scholarships and other Facilities".The Total number of Participants attended to the event is 226 and 4 excom members.
The following consultancies have briefed about the abroad education and scholarship opportunities.

1. Edu Wave Education & Migration, Hyderabad.
2. Global Leaning Services, Hyderabad.

Outcome: The participants were able to gain the knowledge and real time experience through the event and also were able to explore themselves, with new education polacies and scholarships.

(Signature) (Signature)

Faculty advisor

Dr P C Praveen Kumar, Dept of ECE.

CAA Convenor

Dr.C .HarinathReddy,Dept of EEE.

G.PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS): KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE GPREC SB(STB-15721)
IEEE GPREC SENSORS COUNCIL(SBC15721I)

The G.PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)-IEEE SENSORS COUNCIL has been instituted in the academic year (2022-2023). The inauguration of the council was held on 16th February, 2023. The society has been constituted with the following persons as office bearers.

Patron : Dr. B.Sreenivasa Reddy, Principal

Chair Person : Dr. S.Nagaraja Rao, HOD, ECE Department

Branch Counselor : Dr.V.Anantha Lakshmi

Faculty Advisor : Smt. W.Yasmeen

IEEE SENSORS COUNCIL execom members:

Name of the Student	Designation
N.Sai Sri Dhanya/Rehana	Chair
B.Gayathri/Akash	Vice Chair
B.Layasree/K.Vyshnavi	Secretary
Vijay Kumar	Treasurer

Since the inaugural function, IEEE SENSORS COUNCIL chapter of GPREC IEEE SB has been conducting events very actively. The students (both IEEE and non IEEE) have participated very actively in the events and won prizes. The following are the list of consolidated events conducted by IEEE SENSORS COUNCIL.

SEPTEMBER 2024:

S.NO	NAME OF THE EVENT	DATE CONDUCTED	NUMBER OF PARTICIPANTS
1	CALL FOR VOLUNTEERS	10th September 2024	12

2	One day Hands-on Workshop on NAVIGATION, GUIDANCE AND CONTROL OF UAV's	18th September 2024	20

G. PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE Student Branch (STB-15721)

IEEE SENSORS COUNCIL (SBC15721I)

REPORT ON CALL FOR VOLUNTEERS

Name of the chapter : IEEE SENSORS COUNCIL

Name of the Event/Activity :CALL FOR VOLUNTEERS

Date : 10th September, 2024 **Time :** 5:00 PM to 6:30 PM

Venue : Google Meet

NO OF PARTICIPANTS: 12

OBJECTIVE :

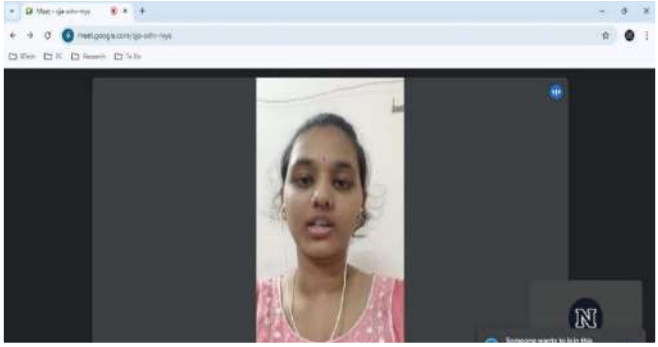
To recruit volunteers for the Sensor Council in GPREC SB for the year 20242025 and train them in the required skills.

ABOUT THE EVENT:

On 10th September, a successful recruitment process for the IEEE Sensors Council Society took place via Google Meet, bringing together interested students and three dedicated executive committee members (execom). The meeting aimed to attract enthusiastic volunteers who are passionate about advancing sensor technology and contributing to the society's mission.During the session, execom members provided insights into the society's goals, ongoing events, and the opportunities available for student involvement. They emphasized the importance of teamwork, innovation, and leadership in driving the society forward.Participants had the chance to ask questions and learn about the various roles available, from event organization to research collaboration. The discussion fostered an engaging atmosphere, encouraging students to express their interests and skills.By the end of the meeting, a diverse group of students was selected to join the society as volunteers. This collaboration promises to enhance their academic experiences while contributing to the dynamic field of sensor technology. The IEEE Sensors Council Society looks forward to the fresh ideas and energy that these new volunteers will bring and is excited to see their contributions in upcoming initiatives and events.

OUTCOME OF THE EVENT: At the end of this event successfully the volunteers are recruited.

PHOTO OF THE EVENT:



(Signature)
Faculty advisor
(IEEE SENSOR COUNCIL)
Smt. W. Yasmeen,
Dept of ECE

(Signature)
CAA Convenor

Dr. C. Harinath Reddy, Dept of EEE

G. PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE Student Branch (STB-15721)

IEEE SENSORS COUNCIL (SBC15721I)

REPORT ON NAVIGATION, GUIDANCE CONTROL OF UAV'S

Name of the chapter	**: IEEE SENSORS COUNCIL**
Name of the Event/Activity	**:"NAVIGATION,GUIDANCE CONTROL OF UAV'S"**
Date	**:** 18th Sept,2024.
Time	**:** 10:00 AM to 4:00 PM
Number of Participants	**:** Total number of participants are 20.
Faculty coordinator	**:** W. Yasmeen , Dept of ECE

Objective:

The primary objective of the event titled *"Navigation, Guidance, and Control of UAVs"* was to provide the attendees with a comprehensive understanding of the fundamental principles and advanced techniques used in the operation of Unmanned Aerial Vehicles (UAVs). Attendees will leave with actionable knowledge to implement UAV applications.

About the event:

The event on *"Navigation, Guidance, and Control of UAVs"* conducted by Dr. Adharsh Kodhanda provided an in-depth exploration of key principles governing UAV operations. With 20 attendees, the session covered advanced techniques in drone navigation, control systems, and real-time decision-making processes, offering practical insights into the latest trends and applications of UAV technology.

Outcomes:

The attendees gained a solid understanding of the core principles behind UAV navigation, guidance, and control systems. They were able to grasp the technical concepts related to sensor integration, flight stability, and path planning. The event also enhanced their knowledge of real-world applications of drones in fields like defense, agriculture, and disaster management, equipping them with valuable insights for future projects and innovations in UAV technology.

SNAPSHOTS OF THE EVENT

(Signature)
Faculty advisor
(IEEE SENSOR COUNCIL)
Smt. W. Yasmeen,
Dept of ECE

(Signature)
CAA Convenor

Dr. C. Harinath Reddy, Dept
of EEE

G. Pulla Reddy Engineering College, Kurnool

Department of Computer science and Engineering

IEEE-COMPUTER SOCIETY

Reports on events for the month of September, 2024

The GPREC IEEE-Computer Society Student Branch Chapter conducted

1. IEEE-CS organized an event Tech Wars on2nd September, 2024 from 3.00 PM to 4.10 PM at ECS-8.
2. IEEE-CS organized a Debate on mobile technologies and Tech-talk on coding platforms on13th September, 2024from 1.20 PM to 2.10 PM at CS-2.
3. IEEE-CS organized an event Think Tech on17th September, 2024from 2.10 PM to 3.00 PM at CS-1.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 10

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Tech Wars

Date and Time of Activity: 02/09/2024, 3:00PM – 4:00PM

Number of Participants: 15

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, K.Bala Chowdappa

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized 'Tech Wars' on 02-09-2024. The event focused on exploring and debating the latest trends and innovations in technology. Participants dive into discussions on emerging tech, future possibilities, and disruptive advancements, sharing insights and exchanging ideas in an engaging forum. The insightful conversations and diverse perspectives shared during the event have not only highlighted the latest trends but also sparked new ideas and collaborations. Total participants attended are 15.

(Signature)
Coordinators of IEEE CIS,CS
Name: Dr. K. Ashfaq Ahmed
K.Bala Chowdappa

(Signature)
Coordinator of CAA
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch under CAA Cell

Dt. 13-09-2024

Event Number : **CAA/S.No. 9**

Name of the CAA Chapter : **GPREC IEEE CS**

Name of the Activity : **Debate on mobile technologies and Tech-talk on coding platforms.**

Date and Time of Activity : 13th September 2024, 1:20 pm to 2:10 pm

Details of Resource Persons, if any :

Total number of students: 63

Details of Faculty/Students Coordinators:

Faculty Coordinators: K Bala Chowdappa CSE Dept, CS Faculty Advisor

Student Coordinators: G. Jaya Sai Sreerama Kumar

Objective:
The main objective of this session is to conduct a lively debate on mobile technologies and provide substantive knowledge on pre-existing coding platforms.

Description of Event: IEEE-CS Student's Chapter, Department of CSE, GPREC organized an event "**Debate on mobile technologies and Tech-talk on coding platforms"** on 13-092024 where participants passionately attempted to take active part in the discussions, enhancing their critical thinking abilities and public speaking skills, alongside a Tech Talk was held about popular coding platforms like Leet Code and Hacker Rank providing valuable insights into competitive programming.

Outcome: Students who attended this event would get to actively take part in the debate and gain valuable insights in competitive programming through various coding platforms.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE CS
Name: K Bala Chowdappa

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Reportof IEEE Student Branch Under CAA Cell

Dt: 17-09-2024

Event Number : **CAA/S.No.10**

Name of the CAA Chapter : **GPREC IEEE CS**

Name of the Activity : **Think Tech**

Date and Time of Activity :17th September 2024, 2:10 pm to 3:00 pm

Details of Resource Persons, if any :

Total number of students : 62
Details of Faculty/Students Coordinators:

Faculty Coordinators: K Bala Chowdappa CSE Dept, CS Faculty Advisor
Student Coordinators:: G. Jaya Sai Sreerama Kumar

Objective:
The prime objective of this session is to make students well aware of trending computing technologies in current computing industry.

Description of Event: IEEE-CS Student's Chapter, Department of CSE, GPREC conducted a technical session on trending technologies, followed by giving deep insights into skills required in today's job market and creates a funny technical session by asking the students to guess the CEO's of different companies.

Outcome: Students who attended this event would gain broad knowledge on the trending computing technologies.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE CS
Name: K Bala Chowdappa

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G Pulla Reddy Engineering College (Autonomous): Kurnool

IEE-CIS (SBC-15721H) Activities for the month of Sep 2024

Details of the Activity conducted:

1. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized an event '**Tech Wars' on** 02-09-2024.The Tech Wars event focused on exploring and debating the latest trends and innovations in technology. Participants discussed cutting-edge technologies such as **Artificial Intelligence (AI), Blockchain,**

Quantum Computing, and more. The event provided a platform for thought-provoking debates on the future implications of these advancements and their impact on society. Participants engaged in lively discussions, enhancing their knowledge of current technological trends while developing critical thinking and presentation skills. Total participants attended: 10.

2. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized an event 'Umang-2k24' on 14-09-2024.Umang-2k24 event was a workshop **entitled** "Technological Advancements and Its Impact on Humanity," featuring four resource persons who addressed various cutting-edge technologies. Each speaker provided insights into different fields, discussing topics such as AI in VFX and gaming-Ethics and Opportunities, AI and you , sustainability , Stress Management & Emotional intelligence. The workshop explored the transformative effects of these technologies on society, industry, and human life, emphasizing both their potential benefits and challenges. The event fostered a deeper understanding of how technological innovation shapes the future. Total participants attended: 296.

3. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized an event 'Awareness on IEEE' on 19-09-2024. This event aimed to raise awareness about the benefits of IEEE membership and how students can actively engage in IEEE activities. The session highlighted various opportunities within IEEE, including conferences, publications, and networking platforms that can help students advance their academic and professional careers. Attendees learned about the IEEE-CIS (Computational Intelligence Society) initiatives and how they can contribute to the development of emerging technologies. Total participants attended: 47.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 05

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Tech Wars

Date and Time of Activity: 02/09/2024, 3:00PM – 4:00PM

Number of Participants:10

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Smt. O. Roopa Devi

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized 'Tech Wars' on 02-09-2024. The event focused on exploring and debating the latest trends and innovations in technology. Participants dive into discussions on emerging tech, future possibilities, and disruptive advancements, sharing insights and exchanging ideas in an engaging forum. The insightful conversations and diverse perspectives shared during the event have not only highlighted the latest trends but also sparked new ideas and collaborations. Total participants attended are 15.

Photos:

(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed

(Signature)

Coordinator of CAA

Name: Smt. O. Roopa Devi

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 6

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity:UMANG 2K24

Date and Time of Activity: 14/09/2024, 08:30PM – 05:30PM

Number of Participants:296

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U U Veerendra

Objective:

The main objective of this congress is to explore how new technologies affect our daily lives, communities, and the world around us.

Total no. of student: 296

Event Details:

As the tagline, "Technological events and its impact on humanity" shows importance because they drive progress, improve quality of life, enhance communication, and tackle global challenges, but they also raise issues like privacy concerns and inequality that need to be addressed.

All the participants are from the 2nd and 3rd years of B.Tech programs across all branches, representing our college as well as other colleges.

The congress started with MahestNirati sir's session on "Cybersecurity". Sirshared best practices for protecting sensitive information and discussed incident response strategies. Participants learned about the importance of employee training and regular software updates to enhance security. The session aimed to empower organizations in safeguarding their digital assets.

Later, Ikram Ali Shaik sir took up the session on "AI in VFX and Gaming – Ethics and Oppurtunities". Sir discussed how AI can enhance creative processes, automate tasks, and improve realism. Key topics included responsible AI use, the impact on jobs, and the future of storytelling in immersive experiences. Sir also showed some videos of his work in VFX .

The afternoon session was started by Akhila Maari ma'am on "AI and You", discussing AI applications in various fields, such as healthcare, education, and finance. Participants engaged in discussions about ethical considerations, potential job changes, and how to adapt to a future increasingly influenced by AI technology.

The next talk was taken by Prathyusha Parakala ma'am on "Sustainability". Ma'am focused on the importance of eco-friendly practices and environmental care.Participants discussed innovative solutions for promoting a sustainable lifestyle and the roles individuals and businesses can play in creating a healthier planet for all.

Later, Jyothirmaye ma'am took up the session on "Stress Management and Emotional Intelligence". Ma'am explored techniques for handling stress and enhancing emotional awareness. Ma'am shared strategies like mindfulness, breathing exercises, and effective communication skills.

Photos:

(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed,

(Signature)

Coordinator of CAA

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 7

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Awareness on IEEE

Date and Time of Activity: 19/09/2024, 03:00PM – 04:30PM

Number of Participants: 47

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U U Veerendra

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Awareness on IEEE" on 19-09-2024.The IEEE event held at the college focused on fostering awareness of emerging technologies and engineering trends. It featured expert speakers, interactive workshops, and networking opportunities. Students engaged in discussions about innovation, ethics, and career prospects, enhancing their understanding of IEEE's mission to advance technology for humanity and inspire future leaders.The total count of participants was 47.

Photos:

(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed,

(Signature)

Coordinator of CAA

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL

List of Student Activities conducted in the month of October- 2024 List of activities done under IEEE STB 15721

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B, IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. IEEE SB & PELS SBC of GPREC organized a "Administrative Meeting" for excom members on 4 -10-2024. Number of participants for the event are 20
2. IEEE SB, WIE AG & PELS SBC of GPREC organized a Session on "Awareness on WIE" for ME students by Dr G.Sree Lakshmi on 5-10-2024. Number of participants for the event are 55.
3. IEEE SB & PELS SBC of GPREC organized a Interaction meet on IEEE Benefits for ExCom members by Arun Kumar, Nishanth, Akhil on 5-10-2024. Number of participants for the event are 60.
4. IEEE SB & PELS SBC of GPREC organized IEEE Day Celebrations on 5-10-2024. Number of participants for the event are 65.
5. IEEE PELS of GPREC organized a Session on "Daksha" for II-B.Tech EEE students on 16-10-2024. Number of participants for the event are 24.
6. IEEE PELS of GPREC organized a Session on **"**Social Media and its effects on students" on 17-10-2024. Number of participants for the event are 26.
7. IEEE PELS of GPREC organized a Session on "Four Ideas to Lead a Successful Life" on 18-10-2024. Number of participants for the event are 19.
8. IEEE SB, PELS in association with IAS SBC of GPREC organized JOSH 40 as a part of JIGNASA 2K24 on 25 -10-2024. Number of participants for the event are 82.
9. IEEE WIE AG of GPREC organized a webinar on account of IEEE Day on 5 th October 2024. Dr. G. Sree Lakshmi, Professor and Head of the EEE Department at CVR College of Engineering, was the speaker of the webinar. 55 students took part in the event.
10. IEEE WIE AG of GPREC organized a documentary presentation to Commemorate Devi

Ahalyabai Holkar on the occasion of her 350 th Birth Anniversary on 17 th October 2024. 35 students participated in the event.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt. 03-10-2024

Event Number : **CAA/ S.No**

Name of the CAA Chapter : **IEEE GPREC Student Branch.**

Collaborating Organization : **--**

Name of the Activity : **Administrative Meeting.**

Date and Time of Activity : **03-10-2024 ,03.30 PM to 04.30 PM**

Number of Participants (List to be enclosed): Total number of students is 20 IEEE - 15, Non-IEEE – 5.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr. V. Anathalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:**

IEEE SB Chair : M Sree Varshini

SB Execom : K Jagadeeswara Reddy

Description of Event:

Objective:

The objective of the IEEE Administrative Meeting was to discuss strategic planning and operational activities for the upcoming term. The meeting aimed to review past initiatives and set goals for future projects. It provided a platform for members to share updates and address challenges.

Overall, the goal was to ensure efficient operations and enhance member engagement.

Event Details:

The IEEE Administrative Meeting served as a platform for discussing key insights about the Executive Committee and strategies for effectively organizing upcoming events. Members engaged in an in-depth review of the roles and responsibilities within the Execom, emphasizing the importance of collaboration and clear communication to enhance the overall functioning of the committee.

The meeting also focused on best practices for event planning, covering essential aspects such as budgeting, promotion, and participant engagement. Members shared their experiences and suggestions on how to create impactful events that resonate with the student body. This collaborative discussion aimed to equip all members with the necessary tools and strategies to ensure the successful execution of future initiatives.

Overall, the meeting reinforced the commitment of the IEEE Student Branch to operate efficiently and continue providing valuable opportunities for learning and professional development to its members.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC

(Signature)
Coordinator
CAA Cell GPREC

Name: Dr. V. Anantha Lakshmi

Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt. 05-10-2024

Event Number : **CAA/ S.No**

Name of the CAA Chapter : **IEEE GPREC Student Branch & IEEE WIE AG & PELS SBC.**

Collaborating Organization : **--**

Name of the Activity :**Awareness on IEEE & WIE AG.**

Date and Time of Activity : **05-10-2024, 10.40 AM to 12.20 PM**

Number of Participants (List to be enclosed): Total number of students is 55 IEEE - 2, Non - IEEE – 53.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr.K.Devaki Devi, Associate Professor, EEE Dept, IEEE WIE AG Faculty Advisor Dr. V. Anathalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:** K Jagadeeswara Reddy **Description of Event:**

Objective:

The main objective of Women in Engineering (WIE) is to empower women and girls in the field of engineering, promote gender equality, and foster a supportive community that inspires innovation and leadership.

Event Details:

Photos:

- A google meet on Awareness of Women In Engineering (WIE) is conducted by IEEE GPREC SB, WIE AG & PELS SBC through online with Dr. G.Sree Lakshmi, Professor & HOD of EEE Department of CVR college of Engineering as a resource person. She is the immediate past Chair of WIE Affinity group in the IEEE Hyderabad Section. She said to organize workshops to enhance networking and to promote membership in IEEE WIE AG. She also said that women should take leadership roles in the process of career advancement. She asked about the activities which are done in order to promote the entry into, and retention of, women in engineering programs. She encouraged students to participate in WIE events and said about the importance of women in engineering.

Outcome:

At the end of the event students known the importance of WIE and the participants have got confident to face the challenges, actively participate strive for personal growth

(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC
Name: Dr. V. Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt. 05-10-2024

Event Number	**: CAA/ S.No**
Name of the CAA Chapter	**: IEEE GPREC Student Branch.**
Collaborating Organization	**: --**
Name of the Activity	**: Interactive session on IEEE Benefits & How to plan future**
Date and Time of Activity	**: 05-10-2024 ,03.00 PM to 04.30 PM**

Number of Participants (List to be enclosed): Total number of students is 35 IEEE - 25, Non-IEEE – 10.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:**

IEEE SB Chair : M Sree Varshini

SB Execom : K Jagadeeswara Reddy

Description of Event:

Objective:

The objective of the interaction with recent graduates was to provide current students with insights into transitioning from college to professional life. The session aimed to share the experiences of the recent graduates, offer tips on job preparation, and highlight the skills needed in the industry. It also served as a platform for networking, where current students could ask questions, seek guidance, and gain motivation from their immediate predecessors as they prepare for their own career journeys

Event Details:

An insightful interaction session was held with recent alumni **Arun Teja [209X1A0426], Nishanth Reddy [209X1A04E3], and Akhil Kumar[219X5A04L3]**, aimed at equipping students with valuable perspectives on professional life and the advantages of being part of IEEE. The alumni shared their personal experiences navigating the transition from college to industry, highlighting key skills necessary for success and the significant role IEEE played in their career development.

The session fostered an engaging dialogue, with students actively participating, asking questions, and seeking guidance on effectively preparing for their own career journeys. The alumni encouraged students to take full advantage of IEEE activities, emphasizing the importance of continuous skill enhancement and networking within the professional community.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC

(Signature)
Coordinator
CAA Cell GPREC

Name: Dr. V. Anantha Lakshmi

Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Event Number **: CAA/ S.No**

Name of the CAA Chapter **: IEEE GPREC Student Branch.**

Activity Report of IEEE Student Branch Under CAA Cell

Dt. 05-10-2024

Collaborating Organization **: --**

Name of the Activity **: IEEE Day Celebrations.**

Date and Time of Activity **: 05-10-2024, 02.00 PM to 03.30 PM**

Number of Participants (List to be enclosed): Total number of students is 35 IEEE - 25, Non - IEEE – 10.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr. V. Anathalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:**

IEEE SB Chair : M Sree Varshini

SB Execom : K Jagadeeswara Reddy

Description of Event:

Objective:

The primary objective of this event is to motivate and inspire students, especially the undergraduate students. The event aims to introduce students to the opportunities and benefits of IEEE membership, foster a passion for technology, and encourage active participation in technical and professional development activities.

Event Details:

The IEEE Day Celebrations kicked off with an introduction to IEEE, emphasizing its mission to advance technology for humanity and its global impact in fostering collaboration, innovation, and professional development among engineers and students. The event highlighted the importance of being part of this worldwide network and the opportunities it provides for learning and growth.

As part of the celebrations, prizes were awarded to students who excelled in various competitions, including technical challenges, coding events, and project showcases. The winners were recognized for their outstanding skills and achievements, encouraging active participation and excellence in future IEEE activities. The award ceremony served as a motivation for all students, inspiring them to engage in the vibrant IEEE community and take part in upcoming events.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC
Name: Dr. V. Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

Activity Report of IEEE Student Branch Under CAA Cell

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Event Number Dt. 16-10-2024

Name of the CAA Chapter **: CAA/ S.No 12**

: IEEE GPREC Student Branch, Women's Cell & PELS SBC.

Collaborating Organization **: --**

Name of the Activity **: Session on Daksha – Beyond face & body.**

Date and Time of Activity **: 16-10-2024, 03.00 PM to 04.30 PM**

Number of Participants (List to be enclosed): Total number of students is 24 IEEE - 2, Non - IEEE – 22.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr. V. Anathalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:**

IEEE SB Chair : M Sree Varshini

SB Execom : K Jagadeeswara Reddy

Description of Event:

Objective:

The main objective of this session is to make students know about the situation of females in the community

Event Details:

Adolescence, especially for girls, is a critical stage for early interventions to prevent violence. IEEE SB, Women's Cell & PELS SBC organized a session on the existence of "Women's Cell" and how it helps female students to have a tension-free college life. Most importantly what are the situations they face and how to tackle them.

Outcome: At the end of the session students were able to understand the importance of "Women's cell" and "IEEE PELS SBC" the strategies they made to entirely support female students in all situations.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC
Name: Dr. V. Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Event Number **: CAA/ S.No 13**

Name of the CAA Chapter **: IEEE GPREC PELS SBC.**

Activity Report of IEEE Student Branch Under CAA Cell

Dt. 17-10-2024

Collaborating Organization **: --**

Name of the Activity **: Session on Social Media and its effects.**

Date and Time of Activity **: 17-10-2024, 03.00 PM to 04.30 PM**

Number of Participants (List to be enclosed): Total number of students is 26
IEEE - 2, Non - IEEE – 24.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr. V. Anathalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:**
IEEE SB Chair : M Sree Varshini SB
Execom : K Jagadeeswara Reddy

Description of Event:

Objective:

The main objective of this session is to make students know about social media and its effects on youth.

Event Details:

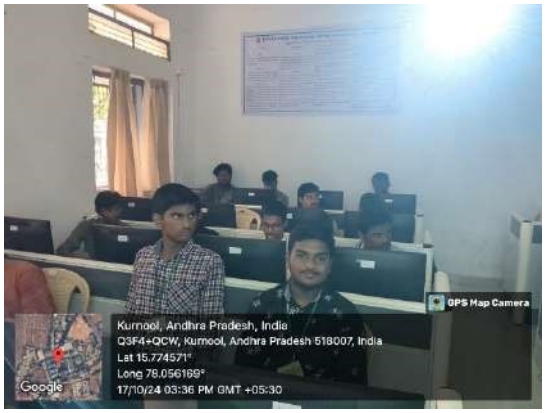
IEEE PELS SBC organized a session on social media and its effects for III B.Tech EEE students by Dr.V.Anantha Lakshmi. In the session she discussed about the positive effects and negative effects of using social media. They are as follows **Positive effects:**

1. Opportunity for continuous learning and lifelong education
2. Expanding teacher-student interactions beyond classrooms
3. Encouraging active participation and student engagement
4. Enabling self-paced and self-directed learning
5. Access to expertise and industry insights
6. Promoting creativity and digital skills development **Negative effects:**
7. Distraction from homework, exercise, and family activities

8. Disruption of sleep
9. Spread of biased or incorrect information
10. Increased mental health issues
11. Decreased academic performance
12. Lack of exercise
13. Negative body image

Outcome: At the end of the session students were able to understand the importance of positive effects and negative effects of using social media.

Photos:



(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC
Name: Dr. V. Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Event Number **: CAA/ S.No 14**

Name of the CAA Chapter **: IEEE GPREC PELS SBC.**

Activity Report of IEEE Student Branch Under CAA Cell

Dt. 18-10-2024

Collaborating Organization **: --**

Name of the Activity **: Session on Four Ideas to Lead a Successful Life.**

Date and Time of Activity **: 18-10-2024, 03.00 PM to 04.30 PM**

Number of Participants (List to be enclosed): Total number of students is 19 IEEE - 1, Non - IEEE – 18.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr. V. Anathalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor **Student Coordinators:**

IEEE SB Chair : M Sree Varshini

SB Execom : K Jagadeeswara Reddy

Description of Event:

Objective:

The main objective of this session is to make students know Four Ideas to Lead a Successful Life

Event Details:

IEEE PELS SBC organized a session on Four Ideas to Lead a Successful Life for III B.Tech EEE students by Dr.V.Anantha Lakshmi. In the session she discussed about the four ideas with examples for the given below

1.Hard work and patience

2. Intense focus

3.Alert to surroundings

4. Come out of your comfort zone

Outcome: At the end of the session students were able to understand the importance of "Four Ideas which to Lead a Successful Life.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC
Name: Dr. V. Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Event Number : **CAA/ S.No 15**

Name of the CAA Chapter : **IEEE GPREC SB, PELS & IAS SBC in association with EEE Department.**

Activity Report of IEEE Student Branch Under CAA Cell

Dt. 26-10-2024

Collaborating Organization : **--**

Name of the Activity : **JOSH 40.**

Date and Time of Activity : **25-10-2024, 09.00 AM to 12.00 PM**

Number of Participants (List to be enclosed): Total number of students is 75 IEEE - 0, Non - IEEE – 82.

Details of Faculty/Students Coordinators:

Faculty Coordinator:

Dr. V. Anathalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and PELS SBC faculty Advisor

Dr.G.Sreenivasa Reddy, Assistant Professor, EEE Dept, IEEE IAS SBC Faculty Advisor

Student Coordinators:

A.Pavan Kumar & K.Ashok Kumar of IV EEE

Objective:

The main objective of this session is to make students aware of their personality development skills.

Description of Event:

Feel the Josh:

- A Journey of Mental Acuity, Emotional Intelligence, and Self-Mastery

- Step into *Feel the Josh*, an innovative game designed for those eager to challenge their cognitive and emotional skills in a thrilling, competitive environment. This isn't just any game—it's a unique experience that merges the art of mind mapping with rigorous logical thinking exercises, inviting participants to tap into their problemsolving abilities while enhancing self-awareness and emotional control.
- In each round, you'll navigate a series of carefully crafted scenarios that go beyond standard strategy, immersing you in situations that require empathy, resilience, and

critical thinking. As you progress, you'll gain insights into your own personality traits and learn to harness your emotions to make balanced, impactful decisions.

- To keep the excitement high, the event features **elimination rounds**, pushing each participant to stay on their toes and bring their best game forward. Success demands both strategic foresight and emotional agility, as every level gets more challenging, testing your resolve and growth in real-time. This is where mind meets mastery, where each step forward represents a deeper understanding of oneself and the complexities of human emotion.
- The stakes are set with a cash prize of **₹1000** for the ultimate winner, rewarding the journey of personal growth and mental acumen. For the runner-up, a **Merit Certificate** acknowledges their achievement and hard work, honouring their efforts and skills displayed throughout the game.

Outcome: At the end of the session students were able to understand the emotional and cognitive thinking skills of their own **Photos:**

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Event Number

Name of the CAA Chapter

(Signature)
Coordinator of Chapters
GPREC IEEE SB, PELS SBC
Name: Dr. V. Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous) Kurnool
IEEE Student Branch STB15721
Women in Engineering Affinity Group
Activity report for the month of October 2024

1. **IEEE WIE AG of GPREC organized a webinar on account of IEEE Day on 5th October 2024. Dr. G. Sree Lakshmi,** Professor and Head of the EEE Department at CVR College of Engineering, was the speaker of the webinar. 55 students took part in the event.
2. **IEEE WIE AG of GPREC organized** a documentary presentation to Commemorate Devi Ahalyabai Holkar on the occasion of her 350th Birth Anniversary on 17th October 2024. 35 students participated in the event.

G. Pulla Reddy Engineering College (Autonomous) Kurnool
IEEE Student Branch STB15721
Women in Engineering Affinity Group

Report on IEEE Day Webinar

Event Details:

- **Event Name: IEEE Day Webinar**
- **Date:** 05-10-2024
- **Time:** 10:40 AM to 12:20 PM
- **Venue:** ECS Block | ECS Lab 6
- **Target Audience:** undergraduate students, G. Pulla Reddy Engineering College, Kurnool 🎬 **Number of Attendees:** 55

Objective:

The primary goal of the Women in Engineering (WIE) event was to empower women and girls within the field of engineering, promote gender equality, and build a supportive community that inspires innovation and leadership among young women engineers.

Event Description:

As part of IEEE Day celebrations, the IEEE GPREC Student Branch hosted a virtual session on *Women in Engineering (WIE)* led by Dr. G. Sree Lakshmi, Professor and Head of the EEE Department at CVR College of Engineering. Dr. Sree Lakshmi, who also serves as the Chair of the WIE Affinity Group in the IEEE Hyderabad Section, inspired students by sharing the significance of women's roles and contributions to engineering. She encouraged active participation in WIE activities and highlighted how the WIE initiative empowers women to pursue impactful roles in the engineering domain.

Outcome:

By the end of the event, participants had gained an understanding of the impact of the WIE initiative. The session boosted their confidence to face industry challenges, pursue active participation in engineering projects, and strive for personal and professional growth.

Moments of the Activity:

- Interactive Q&A session with Dr. G. Sree Lakshmi
- Inspirational anecdotes shared by the speaker
- Discussions on career-building and networking opportunities through WIE

This WIE event successfully reinforced the importance of creating inclusive spaces in engineering and encouraged young women to pursue leadership roles within the field.

K Sevakiran

Faculty Advisor,
IEEE WIEAG

G. Pulla Reddy Engineering College (Autonomous): Kurnool

IEEE Student Branch STB15721
Women in Engineering Affinity Group

Date: 15-03-2023

Event Details:

- **Event Name:** Documentary on "Devi Ahilyabai Holkar: A Legacy of Strength & Compassion".
- **Date:** 17th October 2024
- **Time:** 3:00 PM to 4:00 PM
- **Venue:** G. Pulla Reddy Engineering College, Kurnool
- **Objective:** To inspire attendees through an enlightening documentary showcasing the life, achievements, and legacy of the remarkable queen, Devi Ahilyabai Holkar.
- **Organizing Teams:** IEEE WIE Affinity Group & Women's Cell
- **Number of Attendees:** 35

Event Description:

The Women in Engineering Affinity Group (WIE-AG), in collaboration with VSC and the Women's Cell, hosted a gathering to honour the 350th birth anniversary of Devi Ahilyabai Holkar, known for her reign marked by compassion, strength, and progressive reforms. The session began with an inspiring documentary that illustrated her enduring legacy and impactful contributions to society.

Following the documentary, attendees engaged in an open discussion on Ahilyabai's leadership qualities and societal reforms. Members brainstormed future events and sessions aimed at empowering women and inspiring social responsibility among students.

Outcome:

By the end of the event, attendees gained insights into Ahilyabai's remarkable leadership and the relevance of her values today. The session inspired new ideas for upcoming events and workshops focused on student empowerment, societal contributions, and fostering a supportive community within the college.

Highlights of the Event:

- Screening of a documentary on Devi Ahilyabai Holkar's life and legacy
- Reflective discussion on Ahilyabai's contributions to society and women's empowerment
- Planning of future events to promote social responsibility and community engagement among students

This event not only celebrated the achievements of Devi Ahilyabai Holkar but also motivated participants to pursue similar values of compassion, leadership, and dedication to societal progress.

Snap shots of the activity:

K Sevaki

Faculty Advisor,
IEEE WIEAG

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL
List of Student Activities conducted in the month of October- 2024

Information Theory Society Students Chapter (SBC15721D)

&
IEEE Communications Society Students Chapter (SBC15721)

&
IEEE Microwave Theory and Techniques Students Chapter (SBC15721)

&
IEEE Sensors Council (SBC15721H)

1. The IEEE MTTSoc organized a New Excom Announcement and Introduction of new excoms on 14th October 2024. This report summarizes the recent recruitment efforts for positions within the IEEE Microwave Theory and Techniques Society(MTTS),Along with the Results and Follow up actions upon the processes outlined. The Total number of Participants attended to the recruitment drive is 15 and 4 excom members.

2. The IEEE MTTSoc organized a Guest Lecture on Microprocessors on 16th October 2024 by Dr S Shamsheer Daula. The session delved into the Introduction in microprocessors and microcontrollers. Key highlights included the potential of microprocessors in driving future innovations in autonomous systems, IoT, and in Computing. The Total number of Participants attended to the event is 27 and 4 excom members.

3. The IEEE MTTSoc organized a Guest Lecture on Introduction to Antennas-1. on 17th October 2024 by Dr J S T Tillagam. The session introduced various types of antennas, including Yagi-Uda, bidirectional, and others. Key points discussed were the YagiUda antenna's widespread use in television reception and communication due to its high directional gain The Total number of Participants attended to the event is 32 and 4 excom members.

4. The IEEE MTTSoc organized a Technical Quiz on Microwaves and Antennas. 23rd October 2024. This quiz is designed to test and enhance your knowledge of microwaves and antenna technologies. It covers fundamental concepts, practical applications, and advanced theories. Ideal for students, professionals, and enthusiasts in the field of electrical engineering, this quiz aims to provide a comprehensive assessment of your understanding of key topics in microwave engineering and antenna design. The Total number of Participants attended to the event is 43 and 4 excom members.

5. The IEEE MTTSoc organized a Guest Lecture on Introduction to Antennas-2. on 28th October 2024 by Dr J S T Tillagam. The session offered valuable insights into their

design, performance, and future potential in emerging technologies like 5G and satellite communication. The Total number of Participants attended to the event is 32 and 4 excom members.

6. IEEE Information Theory Society in association with IEEE Communications society conducted a **three day National level workshop on** "**Exploring Verilog and FPGA for Digital Design"** from **3**rd – 5th October 2024 for all the B.Tech students. Total no. of participants is 85.
7. IEEE Information Theory Society conducted "**IEEE EXECOM meet**" on October 28th, 2024, for all IEEE IT Society new volunteer students with present Exe com members. Total no. of participants is 8.
8. The IEEE GPREC COMSOC SBC Chapter organized a three-day national workshop on "**"Exploring Verilog and FPGA For Digital Design"**" on3rd – 5th October 2024. The number of students who participated is 85 and 8 from IEEE volunteers.
9. The IEEE GPREC COMSOC SBC chapter conducted **"**EXECOM CONNECT**"** on **28-10-24.** at 6:00 PM. The participants are Present and new execom members.
10. The IEEE GPREC COMSOC SBC Chapter organized an event "**Metacognitive skill"** on 29-10-2024 at 3:00 PM. The number of students who participated is 20 and 4 from IEEE volunteers.
11. IEEE GPREC Sensors Council in association with IEEE CIS Chapter has organized a technical talk on Semi Supervised Approach in ECS LAB-6, on 5 th October, 2024.Session was handled by Mrs .Anisha Chakravorty IIITDM Kurnool. The number of attendees is 65, out of which 13 are IEEE execom members.
12. IEEE GPREC Sensors Council has organized an event "CIRCUIT BUZZ: FIND-FIT-FINISH" on 16th October,2024 in ECE-2 classroom. The total number of participants are limited to 32.
13. IEEE GPREC Sensors Council has organized TECHNOLEDGICA 3.0 in JIGNASA 2K24.Under IEEE track, three events were conducted a) Electronic Eye b) Electronic Sketch c) Circuit Debugging. Electronic Eye event was conducted in BEE LAB -I, II and Analog circuits lab (ECE BLOCK 2, SECOND FLOOR) on 24th October,2024. The total number of participants is limited to 75.
    Electronic Sketch event was conducted in BEE LAB -II (ECE BLOCK 2, SECOND FLOOR) on 24th October,2024. The total number of participants are limited to 14.
    Circuit Debugging event was conducted in Analog circuits lab (ECE BLOCK 2, SECOND FLOOR) on 24th October,2024. The total number of participants is limited to 14.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE Student Branch (STB15721)

IEEE MicroWave Theory and Technics (SBC 15721D)

Name of the Society **IEEE MTTSOC**

Name of the Event/Activity : Guest Lecture on Introduction to Antennas.

Date : 28-10-2024

Time : 3:00pm to 4:30pm

Venue : LH 1. ECE Block 1, GPREC

Number of Participants : 32

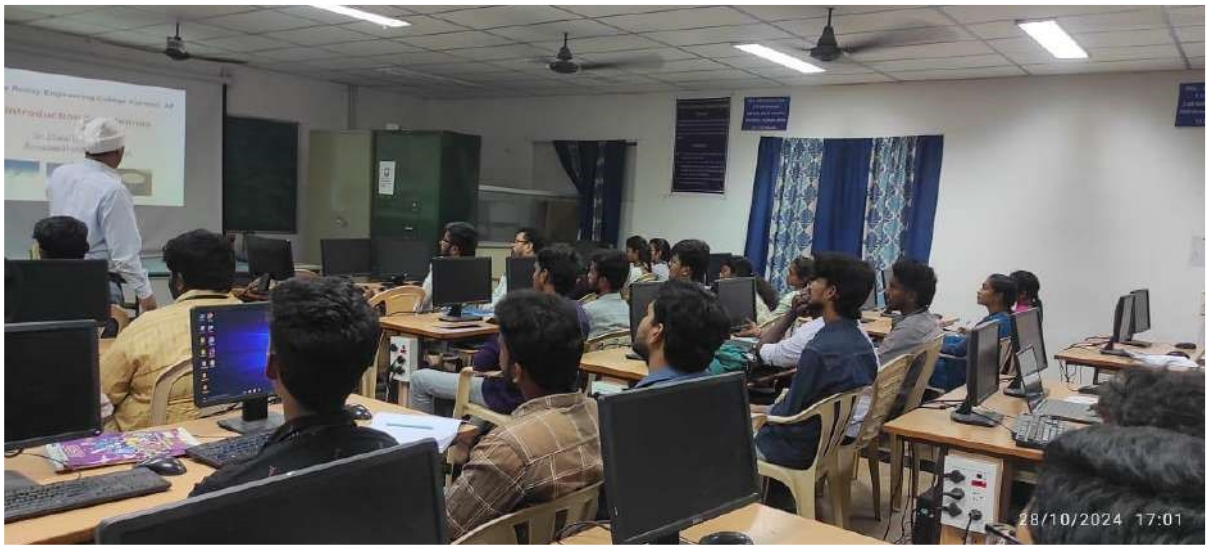
Faculty coordinator : Dr P C Praveen Kumar

Student coordinators: : T.Jaswanth siva sai

U.Chandana Priya Bhai

Description of Event: The session provided an introduction to various types of antennas, including Yagi-Uda, bidirectional, and others. Key points discussed were the Yagi-Uda antenna's widespread use in television reception and communication due to its high directional gain. The advantages of bidirectional antennas, which transmit and receive signals in two opposite directions, were also highlighted, especially in applications like wireless routers and certain broadcast systems. Participants learned about the practical applications of these antennas in fields such as telecommunications, broadcasting, and radar systems. The session offered valuable insights into their design, performance, and future potential in emerging technologies like 5G and satellite communication. A total of 32 participants attended the session, engaging in interactive discussions and demonstrations.

Photos:



(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

IEEE MicroWave Theory and Technics (SBC 15721D)

Name of the Society	**IEEE MTTSOC**
Name of the Event/Activity	: New Excom Announcement and Introduction of new excoms
Date	: 14-10-2024
Time	: 3:00pm to 4:30pm
Venue	: LH 1. ECE Block 1, GPREC
Number of Participants	: 15
Faculty coordinator	: Dr P C Praveen Kumar
Student coordinators:	: T Pavani, P Subadhra P Vikram Kumar Reddy

Objective: This report summarizes the recent recruitment efforts for positions within the IEEE Microwave Theory and Techniques Society(MTT-S),Along with the Results and Follow up actions upon the processes outlined.

1.The positions which were recruited are Recruited

The recruitment aimed at filling some specific strategic and operational posts among them.

- **Chair and Executive Roles :**

  These are the leadership roles that are core in promoting the strategic objectives of the society.
- **Volunteer:**

  These are the members who are helpful to conduct the event in smooth manner without any difficulties.

2.Selection Criteria:

Based on interviews with the candidates as well as reviewing their experiences in microwave theory and techniques society. How the Candidates were passionate about utilizing these skills aligned with MTT-S mission on promoting microwave theory and its Applications through education as well as innovations was critically analyzed.

Positions Recruited members:

S.no	Name	Roll number	Position	Year	Branch
1.	T.Jaswanth siva sai	229x1a04h6	Chair	III	ECE
2.	U.Chandana Priya Bhai	229x1a0423	Vice chair	III	ECE
3.	S.Jagadeeswar	229x1a04h5	Secretary	III	ECE
4.	A.Kasi Viswanath	239x5a04j8	Treasurer	III	ECE
5.	E.HarshaVardhan Goud	239x1a04k2	Volunteer	II	ECE
6.	J.Sree Meghana	249x5a04l7	Volunteer	II	ECE
7.	S.Ananth	239x1a04g9	Volunteer	II	ECE
8.	K.Krishna Vamsi	239x1a0455	Volunteer	II	ECE

Mentors:

S.no	Name	Roll number	Position	Year	Branch
1.	T. Pavani	219x1a0486	Mentor	IV	ECE
2.	A. Vikram Reddy	229x1a05L7	Mentor	IV	ECE
3.	P. Subhadra	219x1a0485	Mentor	IV	ECE

Event Images:

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

IEEE MicroWave Theory and Technics (SBC 15721D)

IEEE MTTSOC

Name of the Event/Activity : Guest Lecture on Microprocessors.

Date : 16-10-2024

Time : 3:00pm to 4:30pm

Venue : LH 1. ECE Block 1, GPREC

Number of Participants : 27

Faculty coordinator : Dr P C Praveen Kumar

Student coordinators: : T.Jaswanth siva sai

U.Chandana Priya Bhai

Description of Event: The session delved into the Introduction in microprocessors and microcontrollers. Key highlights included the potential of microprocessors in driving future innovations in autonomous systems, IoT, and in Computing. Attendees actively participated in discussions about the microprocessors and their growing role in high-performance computing. The event provided valuable insights into the future scope of microprocessors and their applications across various industries. The total count of participants was 27.

Photos

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

Name of the Society

:

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

IEEE MicroWave Theory and Technics (SBC 15721D)

IEEE MTTSOC

Name of the Event/Activity : Guest Lecture on Introduction to Antennas-1.

Date : 17-10-2024

Time : 3:00pm to 4:30pm

Venue : LH 1. ECE Block 1, GPREC

Number of Participants : 32

Faculty coordinator : Dr P C Praveen Kumar

Student coordinators: : T.Jaswanth siva sai

U.Chandana Priya Bhai

Description of Event: The session provided an introduction to various types of antennas, including Yagi-Uda, bidirectional, and others. Key points discussed were the Yagi-Uda antenna's widespread use in television reception and communication due to its high directional gain. The advantages of bidirectional antennas, which transmit and receive signals in two opposite directions, were also highlighted, especially in applications like wireless routers and certain broadcast systems. Participants learned about the practical applications of these antennas in fields such as telecommunications, broadcasting, and radar systems. The session offered valuable insights into their design, performance, and future potential in emerging technologies like 5G and satellite communication. A total of 32 participants attended the session, engaging in interactive discussions and demonstrations.

Photos

(Signature)	(Signature)
Faculty advisor	CAA Convenor
Dr P C Praveen Kumar, Dept of ECE.	Dr.C .HarinathReddy,Dept of EEE.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

Name of the Society

IEEE MicroWave Theory and Technologies (SBC 15721D)
IEEE MTTSOC

Name of the Event/Activity : Technical Quiz on Microwaves and Antennas.

Date : 23-10-2024

Time : 3:00pm to 4:30pm

Venue : LH 1. ECE Block 1, GPREC

Number of Participants : 43

Faculty coordinator : Dr P C Praveen Kumar

Student coordinators: : T.Jaswanth siva sai
U.Chandana Priya Bhai

Description of Event: This quiz is designed to test and enhance your knowledge of microwaves and antenna technologies. It covers fundamental concepts, practical applications, and advanced theories. Ideal for students, professionals, and enthusiasts in the field of electrical engineering, this quiz aims to provide a comprehensive assessment of your understanding of key topics in microwave engineering and antenna design.

Topics Covered: Basic Concepts of Microwaves, Microwave Components and Circuits, Antenna Fundamentals, Antenna types and characteristics, Advanced Antenna Technologies, Measurement and Testing, Format and Difficulty Levels

Objective: The objective of this quiz is to help participants gauge their understanding of microwaves and antennas, identify areas for improvement, and solidify their knowledge through practical questions and real-world scenarios. A total of 43 participants attended the session, engaging in interactive discussions and demonstrations.

Photos:

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C .HarinathReddy,Dept of EEE.

G. Pulla Reddy Engineering College (Autonomous):Kurnool

IEEE Student Branch (STB15721)

IEEE INFORMATION THEORY SOCIETY(SBC15721D)

Sub: Report on " IEEE EXECOM MEET ".

Name of the Event/Activity : IEEE EXECOM MEET

Date : 28th OCTOBER 2024
Time : 6.30 PM to 7.30 PM

Objective :

The main objective of this event is to bring out the good outcome from our society and to interact with the new volunteers joined in our society and guide them in a proper way by interacting with present EXECOM members. This was conducted at G. Pulla Reddy Engineering College, Kurnool.

Event details/description: IEEE IT society GPREC, we have conducted IEEE EXECOM meet on 28th OCTOBER 2024 from 6.30 PM to 7.30 PM. The main motto of this meet is to guide the volunteers of our society and to continue our communication in the same way. What are the events to be conducted and how can we reach the students in more effective way. How can we come up with new ideas that attract the students so that they help them for their future.

Outcome: At the end of the event we will be able to come for an end regarding the events that we need to conduct and how can we motivate the students from our side.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE Student Branch (STB15721)

IEEE Communications Society (SBC 15721)

Name of the chapter : **IEEE COMSOC**

Name of the Event/Activity : **"Execom connect"**

Date : 28th October 2024.

Time : 6:00 PM to 7:00 PM

Venue : Virtual

Faculty coordinator : D.Rohini , Dept of ECE

Attendees : Execom Members

Objective:

To foster collaboration and communication between IEEE Execom members and senior IEEE Execom leadership, discussing ongoing projects, addressing challenges, and exploring future initiatives that align with the IEEE mission and goals

Description of the event:

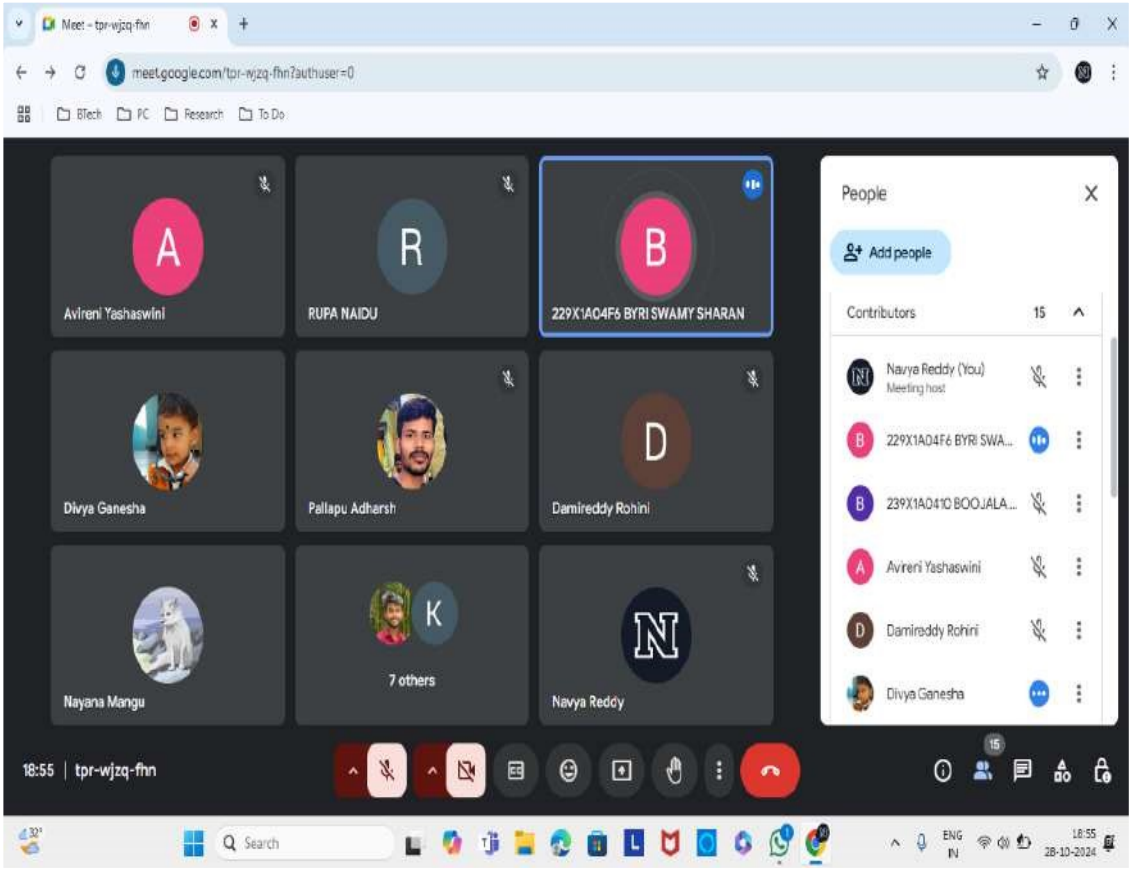
The interaction began with an introduction by senior Execom members, highlighting their roles and experience within IEEE. This was followed by presentations from various Execom members, focusing on recent initiatives, achievements, and current challenges faced by the IEEE chapter. Senior Execom members provided guidance on addressing these issues, emphasizing the importance of teamwork, leadership, and technical innovation.

Topics covered included upcoming IEEE events, mentorship programs, and strategies to increase member engagement. The meeting provided a platform for junior members to ask questions, share ideas, and gain insights from the experiences of senior members, creating a stronger network within the IEEE community.

Outcomes:

The meeting was concluded with strengthened communication between senior and junior Execom members, with a focus on collaborative problem-solving and knowledge sharing. The session inspired Execom members, boosting morale and reaffirming commitment to IEEE's mission, fostering a motivated and cohesive Execom team.

Snapshots of the Session



(Signature)
Faculty advisor
(IEEE COMSOC)
Smt D.Rohini, Dept of ECE.

(Signature)
CAA Convenor

Dr.C .Harinath Reddy,Dept of EEE.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

IEEE INFORMATION THEORY SOCIETY (SBC15721D)

IEEE COMMUNICATIONS SOCIETY

Name of the Event/Activity : "Exploring Verilog and FPGA for Digital Design "

A three day National level workshop

Date : 3rd – 5th October 2024.

Time : 10:00am to 4:30 pm

Venue : AVES LAB,ECE BLOCK,GPREC.

Collaborating Organization : IEEE ITsoc,

Number of Participants : Total number of participants are 85.

Faculty coordinator : G.DIVYA PRANEETHA , Dept of ECE

Student coordinators : ALL The EXECOM members of the TWO societies.

The department of ECE, IEEE IT Society and Communications Society organized "Exploring Verilog and FPGA for Digital Design" A three day National level workshop organized during 3rd – 5th October 2024.

Overview

The "Exploring Verilog and FPGA for Digital Design" workshop provided participants with hands-on experience in using Verilog for digital design and simulation, alongside practical applications of FPGA technology. The workshop aimed to bridge theoretical knowledge with practical skills essential for modern digital design projects.

Objectives

- To introduce the basics of digital design and the Verilog hardware description language (HDL).
- To provide practical experience in FPGA design and implementation.
- To enhance participants' skills in simulation, synthesis, and debugging of digital circuits.

Description of the event:

- **WORKSHOP**: The workshop is conducted for three days.

Day 1: The Workshop started with the the inaugural function at 10:00 AM. The chief guest as the Resource person for Day 1 is Dr. M. MadhuSudhan Reddy ,Asst.Prof.Dept of ECE,GPREC(A). .

Day 1: Introduction to Digital Design and Verilog

- **Session 1:** Introduction to Digital Design Concepts
  - Fundamental principles of digital electronics.
  - Overview of digital systems and components.
- **Session 2:** Introduction to Verilog
  - Basics of Verilog syntax and semantics.
  - Writing simple Verilog modules and testbenches.
- **Hands-On Activity:** Creating and simulating basic combinational circuits using Verilog.

Day 2: Advanced Verilog and FPGA Concepts

- **Session 3:** Sequential Logic in Verilog
  - Understanding flip-flops, counters, and state machines.
  - Writing Verilog code for sequential designs.
  - Introduction to FPGAs
  - Overview of FPGA architecture and features.
  - Tools and software for FPGA design (e.g., Xilinx Vivado).
- **Hands-On Activity:** Designing and implementing a simple sequential circuit on an FPGA.
- **Session 4:** the Resource person for Day 2 is Smt.Jyotshna Mamillapalli,Principal Engineer, Synopsys who gave career prospects on Verilog and FPGA.

Day 3: The Resource person for Day 3 is Dr.P.Ranga Babu,Assoc.Prof., IIITDM Kurnool who gave insights about Design Implementation and Debugging

- **Session 5:** Synthesis and Implementation
  - Understanding the synthesis process.
  - Exploring implementation and configuration of designs on FPGAs.
- **Session 6:** Debugging Techniques
  - Common debugging strategies in Verilog and FPGA design.
  - Using simulation tools to verify and debug designs.

NO OF PARTICIPANTS: The number of participants for the workshop is 85 includes from various colleges.

Outcome: The participants were able to gain the knowledge and real time experience through the workshop and also were able to explore through various career opportunities in VLSI by interacting with Industry expert.

SNAPSHOTS OF THE EVENT

WORKSHOP

HANDS ON SESSION ON VERILOG AND FPGA
DAY 2: CAREER PROSPECTS

DAY 3: DESIGN IMPLEMENTATION ON FPGA

VALEDICTORY FUNCTION

(Signature)
Faculty advisor
(IEEE ITSOC)
Smt G.DIVYA PRANEETHA, Dept of ECE.

(Signature)
CAA Convenor

Dr.C .Harinath Reddy,Dept of EEE.

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL
List of Student Activities conducted in the month of October- 2024

IEEE Computer Society Students Chapter (SBC15721C)
&
IEEE Computational Intelligent Society Students Chapter (SBC15721H)

1. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Tech Puzzles" on 03-10-2024. The "Tech Puzzles" event challenged participants to solve a variety of technical puzzles and brainteasers. Teams collaborated to showcase their problem-solving skills, fostering creativity and innovation. The event promoted friendly competition and provided a platform for students to apply their technical knowledge in engaging ways. Total participants attended are 18.

2. IEEE-CIS Student's Chapter, Department of ECS in association with IEEE-SB GPREC organized "Special Guest Lecture on Semi-Supervised approach for Semantic Segmentation of Aerial Remote Sensing Images under Limited Ground-Truth availability" on 05-10-2024.The session highlighted innovative approaches to analyzing aerial imagery with limited ground-truth data. Attendees engaged in insightful discussions, deepening their understanding of remote sensing technologies and their applications in real-world scenarios. Total participants attended are 69.

3. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "JAM" on 15-10-2024. The event "Jam" explored AI's transformative impact, featuring dynamic discussions on innovative applications, insights sharing, and ethical considerations, fostering collaboration and creativity in technology across various fields. The total attended are 24.

4. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Code Crush challenge" on 17-10-2024.The event "Code Crush challenge" tested participants coding skills with challenging problems and compete with peers in a friendly atmosphere. Enhanced problem-solving abilities and gained valuable experience. The total participants attended are 50.

5. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Debugging Delights" on 22-10-2024. The event "Debugging Delights" made participants enjoy an engaging afternoon filled with teamwork and musical challenges. Teams raced to decipher clues, uncovering a diverse range of songs while showcasing their creativity and problem-solving skills. Exciting prizes were given to top performers. The total participants attended are 26.

1. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Blind Coding Challenge" on 24-10-2024.The event "Blind Coding Challenge", tested participants programming skills under pressure. Competitors solved coding problems without prior knowledge of the questions, enhancing their problem-solving abilities and adaptability. The event fostered a spirit of innovation and collaboration among

aspiring tech enthusiasts. Exciting prizes were given to top performers. The total participants attended are 48.

The GPREC IEEE-Computer Society Student Branch Chapter conducted

2. IEEE-CS organized an Administrative Meeting on 16th October 2024 from 1.00 PM to 1.50 PM at the Department Library.
3. IEEE-CS organized an event on Coding and Debugging platforms on 18th October 2024 from 2.10 PM to 3:00 PM at CS-4.
4. IEEE-CS organized an event Computer Charades on 23rd October 2024 from 2.10 PM to 3.00 PM at CS-4
5. IEEE-CS organized an event Blind Coding Challenge on 24th October 2024 from 10.30 AM to 12.30 PM at CS-4

G. Pulla Reddy Engineering College, Kurnool

Department of Computer Science and Engineering

IEEE-COMPUTER SOCIETY

Reports on events for the month of September, 2024

The GPREC IEEE-Computer Society Student Branch Chapter conducted

1. IEEE-CS organized an Administrative Meeting on 16th October 2024 from 1.00 PM to 1.50 PM at the Department Library.
2. IEEE-CS organized an event Coding and Debugging platforms on 18th October, 2024 from 2.10 PM to 3:00 PM at CS-4.
3. IEEE-CS organized an event Computer Charades on 23rd October, 2024 from 2.10 PM to 3.00 PM at CS-4
4. IEEE-CS organized an event Blind Coding Challenge on 24th October, 2024 from 10.30 AM to 12.30 PM at CS-4

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 9

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Administrative Meeting

Date and Time of Activity: 16/10/2024, 1:00PM – 1:50PM

Number of Participants: 9

Details of Faculty Coordinators: K.Bala Chowdappa **Objective:**

To review and streamline organizational processes, enhance new execom member engagement, and strategize on upcoming initiatives to support the advancement of technology and innovation with in the IEEE community.

Description of Event: IEEE Administrative Meeting gathers leadership and members to discuss key organizational matters. The agenda includes reviewing minutes, analyzing membership trends, and presenting financial updates. Committees report on initiatives, and new proposals align with IEEE mission. An open forum allows new execom members to voice concerns and suggestions. The meeting promotes collaboration, transparency, and supports IEEE commitment to advancing technology for humanity.

Outcome: The IEEE Administrative Meeting creates plans for member engagement and teamwork, while supporting the organization's mission to advance technology for everyone.

(Signature) (Signature)

Coordinators of IEEE CS Coordinator of CAA

Name: K.Bala Chowdappa Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch under CAA Cell

Dt. 18-10-2024

Event Number : **CAA/S.No. 10**

Name of the CAA Chapter : **GPREC IEEE CS**

Name of the Activity : **Coding and Debugging**

Date and Time of Activity : 18th October 2:10 pm to 3:00 pm

Details of Resource Persons, if any :

Total number of students: 35
Details of Faculty/Students Coordinators:

Faculty Coordinators: K Bala Chowdappa CSE Dept, CS Faculty Advisor
Student Coordinators: G. Jaya Sai Sreerama Kumar

Objective:

To enhance participants' coding and debugging skills through hands-on challenges and collaborative problem-solving, fostering a deeper understanding of programming concepts and best practices while promoting teamwork and innovation among participants.

Description of Event: This Event is designed to enhance participants' programming skills through interactive challenges. It includes workshops led by experts on coding concepts and debugging techniques for all skill levels. Participants will engage in coding challenges that simulate real-world problems, encouraging practical application of their knowledge. Teamwork is emphasized, allowing groups to collaborate and learn from each other. Experienced mentors will provide guidance throughout the event, offering valuable insights. Top performers will be recognized with awards, fostering healthy competition. Ultimately, the event aims to inspire a passion for coding and problem-solving within the tech community.

Outcome: The Event results in improved programming skills, enhanced teamwork, and recognition of top performers, fostering a passion for coding in the tech community.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE CS
Name: K Bala Chowdappa

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt: 23-10-2024

Event Number : **CAA/S.No 11**

Name of the CAA Chapter : **GPREC IEEE CS**

Name of the Activity : **Computer Charades**

Date and Time of Activity :23 October 2024, 2:10 pm to 3:00 pm

Details of Resource Persons, if any :

Total number of students : 20
Details of Faculty/Students Coordinators:

Faculty Coordinators: K Bala Chowdappa CSE Dept, CS faculty Advisor Student Coordinators:

IEEE CS Chair : G. Jaya Sai Sreerama Kumar

Objective:

To enhance participants' understanding of tech concepts through hands-on challenges and collaborative problem-solving, fostering a deeper comprehension of programming and technology while promoting teamwork and innovation among participants.

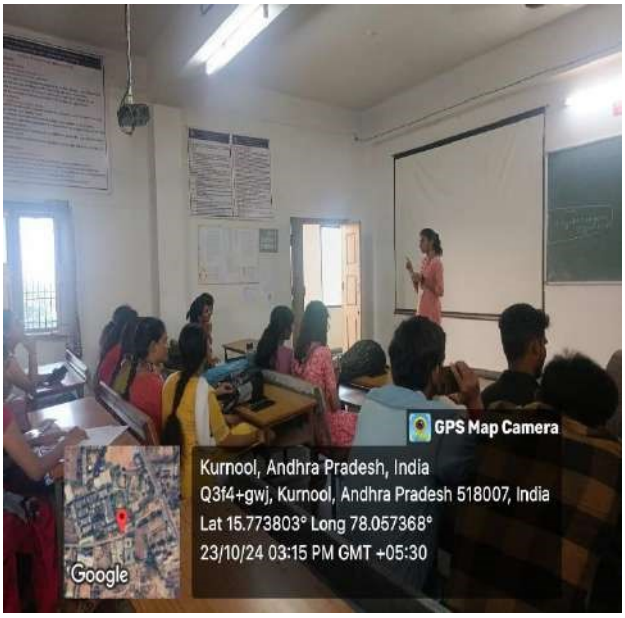
Description of Event:

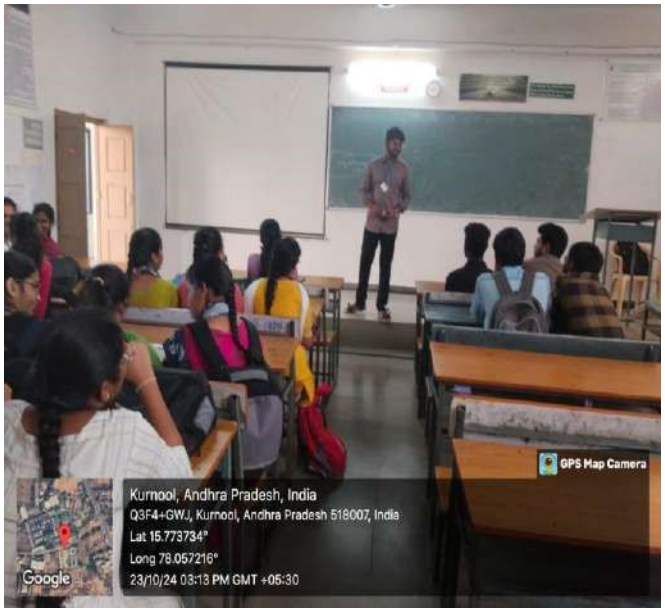
The "Computer Charades" event is designed to deepen participants' knowledge of technology through interactive challenges. It includes sessions led by experts on tech concepts and practical problem-solving techniques for all skill levels. In this tech-inspired version of charades, participants will engage in challenges where they act out tech terms, programming concepts, and technology-related problems. This approach encourages creativity, critical thinking, and practical application of their knowledge. Teamwork is emphasized, allowing groups to collaborate and learn from each other. Experienced mentors will provide guidance throughout the event, offering valuable insights. Top performers will be recognized with awards, fostering healthy competition. Ultimately, the event aims to inspire a passion for technology and problem-solving within the tech community.

Outcome:

The event results in improved understanding of tech concepts, enhanced teamwork, and recognition of top performers, fostering a passion for technology in the tech community.

Photos:





(Signature)
Coordinator of Chapters
GPREC IEEE CS
Name: K Bala Chowdappa

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt: 24-10-2024

Event Number **: CAA/S.No 12**

Name of the CAA Chapter **: GPREC IEEE CS**

Name of the Activity **: Blind Coding Challenge**

Date and Time of Activity **:**24 October 2024, 10:30 am to 12:30 pm

Details of Resource Persons, if any :

Total number of students : 48

Details of Faculty/Students Coordinators:

Faculty Coordinators: K Bala Chowdappa CSE Dept, CS faculty Advisor Student Coordinators:

IEEE CS Chair : G. Jaya Sai Sreerama Kumar

Objective:

To enhance participants' coding skills by challenging them to think critically and write code without visual feedback, fostering a deeper understanding of logic and programming fundamentals while promoting resilience and innovation.

Description of Event:

The "Blind Coding Challenge" event is designed to test and enhance participants' coding skills through unique challenges. It includes sessions led by experts on coding principles and logical problem-solving techniques. In this contest, participants are required to write code without the aid of a visible screen or live syntax highlighting. This method challenges them to think and plan critically, relying on their understanding of syntax, logic, and code structure.
Teamwork may be encouraged, allowing groups to strategize and cross-verify logic mentally. Experienced mentors will provide guidance throughout the event, offering valuable insights. Top performers will be recognized with awards, fostering healthy competition. Ultimately, the event aims to inspire resilience, logical thinking, and a deeper passion for coding.

Outcome:

The event results in improved coding skills, enhanced critical thinking, and recognition of top performers, fostering a passion for programming and resilience in problem-solving within the tech community.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE CS
Name: K Bala Chowdappa

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 8

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Tech Puzzles

Date and Time of Activity: 03/10/2024, 03:00PM – 04:30PM

Number of Participants: 31

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U U Veerendra

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized 'Tech Puzzles" on 03-10-2024.The "Tech Puzzles" event organized by IEEE at the college challenged participants to solve a variety of technical puzzles and brainteasers. Teams collaborated to showcase their problem-solving skills, fostering creativity and innovation. The event promoted friendly competition and provided a platform for students to apply their technical knowledge in engaging ways. The total count of participants was 18.

Photos:

(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed,

(Signature)

Coordinator of CAA

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 9

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Guest Lecture (Anisha Chakravorty, Research Scholoar,IITDMK)

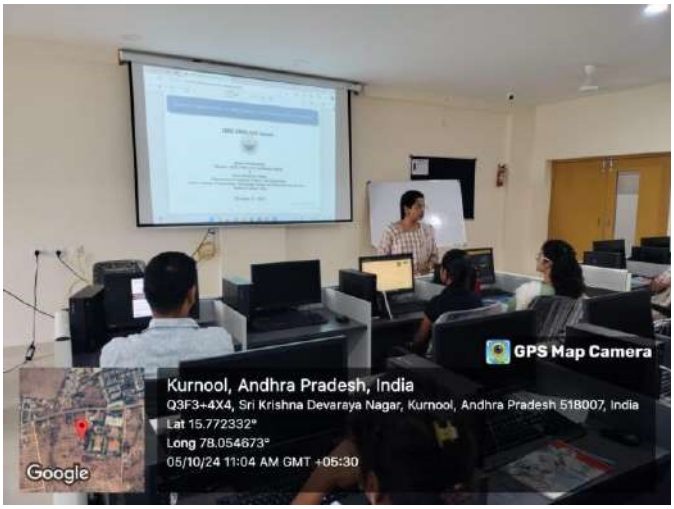
Date and Time of Activity: 05/10/2024, 11:00AM – 12:00PM

Number of Participants: 69

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Description of Event: IEEE-SB in association with CIS Student's Chapter, Department of ECS, GPREC organized "Special Guest Lecture on Semi-Supervised approach for Semantic Segmentation of Aerial Remote Sensing Images under Limited Ground-Truth availability" on 05-10-2024.The session highlighted innovative approaches to analyzing aerial imagery with limited ground-truth data. Attendees engaged in insightful discussions, deepening their understanding of remote sensing technologies and their applications in real-world scenarios. The total count of participants was 69.

Photos:



(Signature) (Signature)

Coordinators of IEEE CIS Coordinator of CAA

Name: Dr. K. Ashfaq Ahmed,

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 10

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity:JAM

Date and Time of Activity: 15/10/2024, 03:00PM – 04:30PM

Number of Participants:24

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized 'JAM" on 15-10-2024.The IEEE event "Jam" explored AI's transformative impact, featuring dynamic discussions on innovative applications, insights sharing, and ethical considerations, fostering collaboration and creativity in technology across various fields. The total count of participants was 24.

The winners of this event are:

1. 239X1A33B7 - V. Naga Manohar Raju
2. 239X1A33A2 - N. Harshavardhan
3. 239X1A33A0 - M. Bharani Kumar Reddy

4. 239X1A33E0 - G. Indu
5. 239X1A3369 - Nirma Patel **Photos:**

(Signature) (Signature)

Coordinators of IEEE CIS Coordinator of CAA

Name: Dr. K. Ashfaq Ahmed,

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 11

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Code Crush challenge

Date and Time of Activity: 17/10/2024, 03:00PM – 04:30PM

Number of Participants: 50

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized 'Code Crush challenge" on 17-10-2024.The IEEE event "Code Crush challenge" hosted by IEEE GPREC Computational Intelligence Society! Tested coding skills with challenging problems and compete with peers in a friendly atmosphere. Enhanced problem-solving abilities and gained valuable experience. Exciting prizes were given to top performers. The total count of participants was 50.

The winners of this event are:

1. 239X1A3328- M.Poornima
2. 239X1A3357 -K.Keshava
3. 239X1A33A2 –N.Harshavardhan

4. 239X1A33A0 –M.Bharanikumar

Photos:

(Signature) (Signature)

Coordinators of IEEE CIS Coordinator of CAA

Name: Dr. K. Ashfaq Ahmed,

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 12

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Debugging Delights

Date and Time of Activity: 22/10/2024, 03:00PM – 04:30PM

Number of Participants:26

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Debugging Delights" on 22-10-2024.The IEEE event "Debugging Delights"made participants enjoy an engaging afternoon filled with teamwork and musical challenges. Teams raced to decipher clues, uncovering a diverse range of songs while showcasing their creativity and problem-solving skills. Exciting prizes were given to top performers. The total count of participants was 26.

Photos:

(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed,

(Signature)

Coordinator of CAA

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 13

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Blind Coding Challenge

Date and Time of Activity: 24/10/2024, 10:00AM – 12:00PM

Number of Participants:48

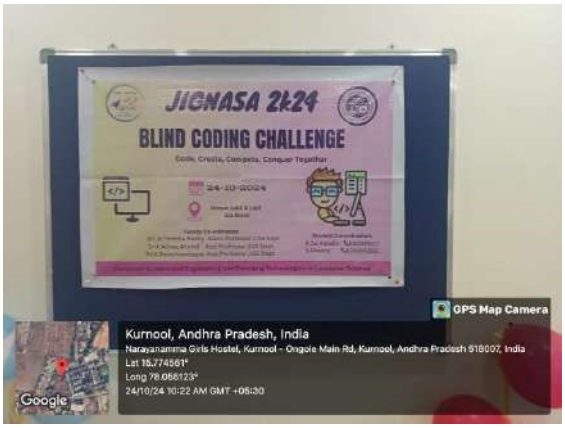
Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Blind Coding Challenge" on 24-10-2024.The Blind Coding Challenge, part of the Jignasa 2K24 organized by IEEE track, tested participants programming skills under pressure. Competitors solved coding problems without prior knowledge of the questions, enhancing their problem-solving abilities and adaptability. The event fostered a spirit of innovation and collaboration among aspiring tech enthusiasts. Exciting prizes were given to top performers. The total count of participants was 48.

The winners of this event are:

1. M.Poornima – 239X1A3328
2. G.Sharada – 239X1A3317

Photos:



(Signature)

Coordinators of IEEE CIS

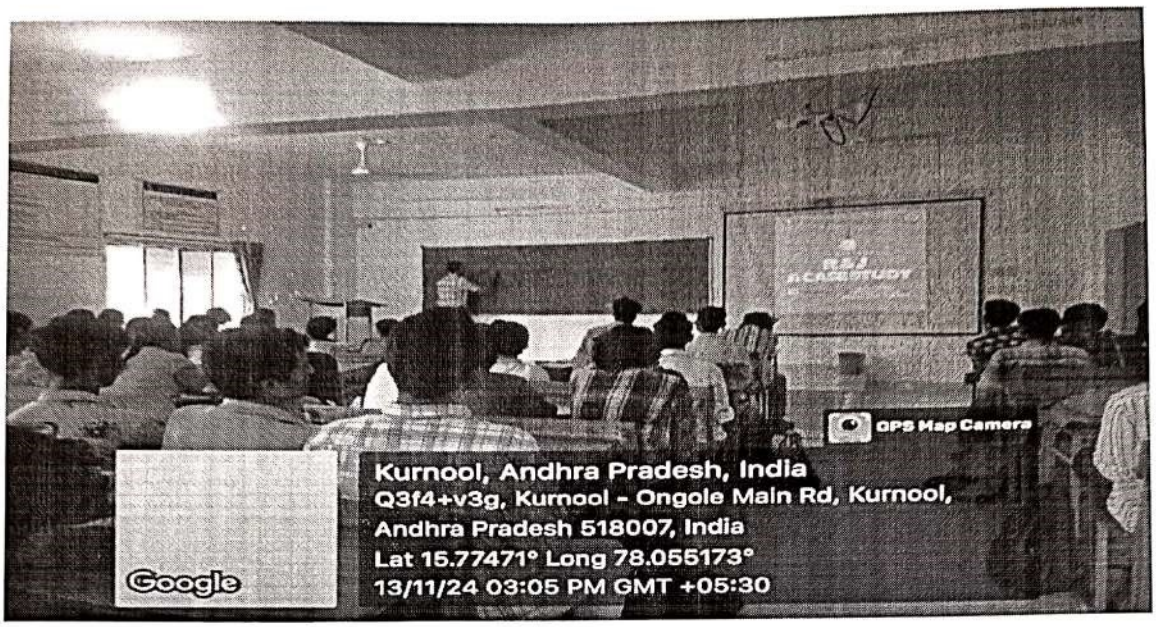
Name: Dr. K. Ashfaq Ahmed,

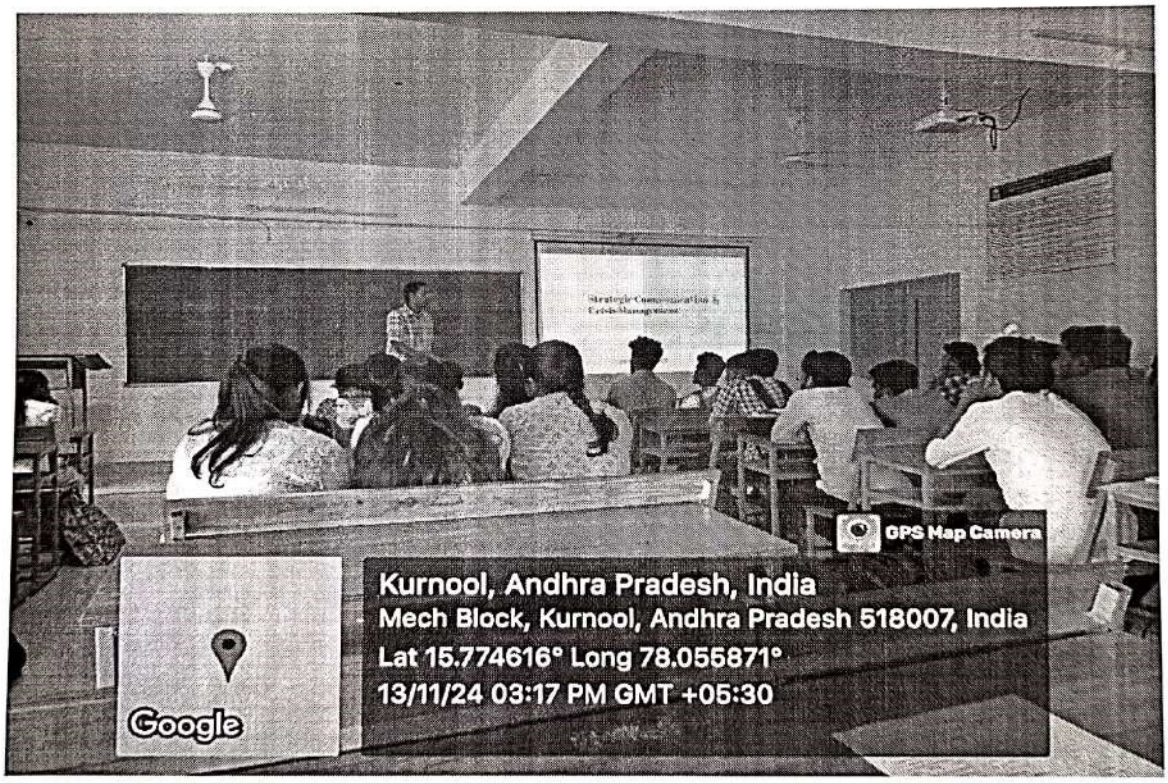
(Signature)

Coordinator of CAA

Scanned with OKEN Scanner

Snap Shots:





Faculty Incharge
O Roopa Devi ,
Asst.Professor,
Dept of ECS

HOD
Dr. R Praveen Sam

Scanned with OKEN Scanner

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL
List of Student Activities conducted in the month of November- 2024

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B,
IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. IEEE SB, PELS of GPREC organized a One Day Workshop on "Machine Learning with MATLAB" on 2/11/2024 by Mr. Laxminarayana, Principal Scientist, Professor and Director, NETRU. Osmania University. The number of participants for the event are 86.
2. IEEE SB, PELS of GPREC organized an Electropedia - QUIZ on Electrical Engineering on 7-11-2024. The number of participants for the event are 50.
3. IEEE SB, PELS of GPREC organized a Interaction session with Accenture placed Students on 8-11-2024. The number of participants for the event are 33.
4. IEEE SB, PELS of GPREC organized a MDC – Administrative Meet on 8-11-2024. The number of participants for the event are 16.
5. IEEE SB, PELS of GPREC organized a Session on V-tools on 13-11-2024. The number of participants for the event are 30.
6. IEEE SB, PELS of GPREC organized a Session on Designing and Content on 14-11-2024. The number of participants for the event are 22
7. IEEE SB, PELS of GPREC organized a Industry Lecture Series - PELS DL Programme with a webinar on "Power Saving and THD Improvement in Sensor-less IPMSM Drive for PV Fed Pumps" on 22-11-2024 by Dr. Sagar Petkar, Senior Power Electronics Engineer, Ecozen Solutions Pvt. Ltd., Pune. The number of participants for the event are 54.
8. IEEE GPREC Power and Energy Society Organized a seminar on Digital metering systems on November 6, 2024. Dr. G. Sreenivas Reddy, Associate Professor at G. Pulla Reddy Engineering College, Kurnool, handled the sessions. There were 62 registered participants.
9. IEEE GPREC Power and Energy Society Organized a seminar on Digital metering systems on November 7th, 2024. Dr. G. Sreenivas Reddy, Associate Professor at G. Pulla Reddy Engineering College, Kurnool, handled the sessions. There were 58 registered participants.

Information Theory Society Students Chapter (SBC15721D)

&

IEEE Communications Society Students Chapter (SBC15721)

&

IEEE Microwave Theory and Techniques Students Chapter (SBC15721)

&

IEEE Sensors Council (SBC15721H)

1. IEEE GPREC Sensors Council has Organized one day Hands-on workshop on " MACHINE LEARNING WITH MATLAB" on 02 nd November, 2024. Sessions were handled by Dr.Laxminarayana, principal Scientist, Professor & Director, NETRU, Osmania University and Dr.Mythili Sharan, Speech architect, Nerunoics labs, Hyderabad. The number of registered participants are 86, among 22-IEEE, 64 - Non-IEEE.

2. IEEE GPREC SENSORS COUNCIL has Organized a project demonstration on "Smart Agriculture using IOT" in ECE-7, ECE Dept on 15 th November,2024. Session was handled by final year students P.Reddaiah and Y.Siva Sai. The total number of participants are limited to 11.

3. The IEEE MTTSoc organizedaAnsys HFSS Milli meter and THz Antenna Design exhibitionon 11thNovember 2024.This Antenna Design exhibition motivated the students towards Microstrip antenna design and prototyping. The Total number of Participants attended to the recruitment drive is 35 and 4 excom members.

4. The IEEE MTTSoc organized a THz Antennas to the Future: HFSS Antenna Design Masterya Introducing scssion on antenna design**.** on 8thNovember 2024 by Dr J S T Tillagam and A Kasiviswanath.The session delved into the Introduction in Basics of Antennas and Antenna Design using Ansys. Key highlights included the potential of Microstrip patch antennas in driving future innovations in autonomous systems, IoT, and in Computing.The Total number of Participants attended to the event is 15 and 4 excom members.

5. The IEEE MTTSoc organized a Training on VTools to New Excoms. on 4thNovember 2024 by Miss T Pavani.The session provided an introduction to Vtools& its features and officers reporting.The Total number of Participants attended to the event is 9 and 4 excom members.

6. The IEEE MTTSoc organized Eyes in the Sky: Precision Drone Navigation. 23rdNovember 2024.These session is about the Drone Navigation. Precision drone navigation refers to the ability of a drone to navigate with high accuracy and reliability in a specific location..The Total number of Participants attended to the event is 15 and 4 excom members.

7. The IEEE MTTSoc organized a ATwoWeek training on Design Challenges in Microstrip Patch Antennas for Next Generation 5G/6G Wireless Communications From 28th Oct 2024 to 9th Nov 2024 ,4:30pm to 7:30pm. The Antenna Design Workshop, conducted from October 28 to November 9, 2024, offered a comprehensive introduction to antennas and their design methodologies. Participants started with the basics of antenna types, design parameters, and microstrip patch antennas, including their equations.The Total number of Participants attended to the event is 36 and 4 excom members.

8. The IEEE GPREC COMSOC SBC Chapter organized an event "Idea expo" on 30 th October 2024. The number of students participated is 10 and 8 from IEEE volunteers.

9. The IEEE GPREC COMSOC SBC chapter conducted "Mind quest" on 4-11-24. The number of students participated is 50 and 8 from IEEE volunteers.

10. The IEEE GPREC COMSOC SBC Chapter organized an event "Overview of EDA Tools for VLSI Design" on 6-11-2024. The number of students participation is 15 and 4 from IEEE volunteers.

11. The IEEE GPREC COMSOC SBC chapter conducted "Digital Literacy" on 8-11-24. The number of students participated is 22 and 4 from IEEE volunteers.

12. IEEE Information Theory Society conducted "Technical Talk" on November 15th 2024 for all students with present Exe com members. Total no. of participants are 15

13. IEEE Information Theory Society conducted "IoT & Robotics" on November 9th 2024 for
all students with present Exe com members. Total no. of participants are 10

14. IEEE Information Theory Society conducted "Poster Designing" on November 5 th 2024 for all students with present Exe com members. Total no. of participants are 30

15. IEEE Information Theory Society conducted "Advanced programming Languages" on November 2 nd 2024 for all students with present Exe com members. Total no. of participants are 20

16. IEEE Information Theory Society conducted "Web designing" on October 30th 2024 for all students with present Exe com members. Total no. of participants are 15

17. IEEE Information Theory Society conducted "Design of IoT system" on October 29th 2024. Total no. of participants are 50

IEEE Computer Society Students Chapter (SBC15721C)

&

IEEE Computational Intelligent Society Students Chapter (SBC15721H)

1. IEEE-CS organized an event Tech Trivia on 8 th November 2024 from 3.00 PM to 3.50

PM at CS5 classroom. Number of students participated is 29.

2. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Knack Challenging" on 05-11-2024 from 03:00PM to 04:00PM.The total count of participants was 22.
3. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Next Gen Crypto Talks" on 07-11-2024from 03:00PM to 04:00PM.The total count of participants was 19.
4. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "ElevateX" on 12-11-2024from 03:00PM to 04:00PM.The total count of participants was 40.
5. IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Origami" on 14-11-2024from 03:00PM to 04:00PM.The total count of participants was 10.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB Under CAA Cell

Event Number	**: CAA/ S.No**
Name of the CAA Chapter	**: GPREC IEEE** PELS
Collaborating Organization	**: IEEE SENSORS COUNCIL**
Name of the Activity	**: Workshop on "Machine Learning With MATLAB"**
Date and Time of Activity	**: 02-11-2024 from 10:20 AM to 3:30 PM**
Details of Resource persons	**:**

1. Mr. Laxminarayana, principal scientist, professor and director, NETRU. Osmania University.
2. Mr. Mythili Sharan, Speech architect, Nuronics Labs, Hyderabad.

Number of Participants (List to be enclosed): Total number of students are 86

Details of Faculty/Students Coordinators:

Faculty Coordinators:

Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and IEEE PELS SBC faculty Advisor
Smt. W. Yasmeen, Assistant Professor, ECE Dept, IEEE Sensors Council Faculty Advisor.

Student Coordinators:
IEEE SB Chair : K. Jagadeeshwar Reddy
IEEE Sensors Council Chair: M.Rehana & Team

Description of Event:

Objective:

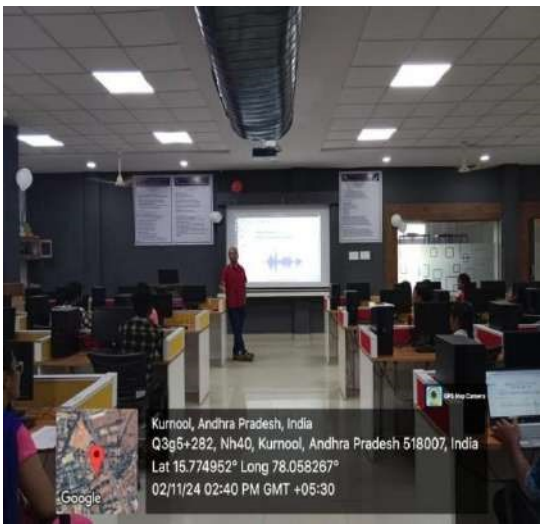
The main objective is to equip participants with core competencies in machine learning using MATLAB, focusing on essential algorithms and data handling. The workshop aims to build practical skills for applying machine learning techniques to real-world problems, enhancing participants' professional capabilities. This workshop also includes the neuronic network and AI, interactive learning experience focused on neuroscience, neurotechnology. The benefits of such a workshop for students can be vast, encompassing academic, personal, and professional development.

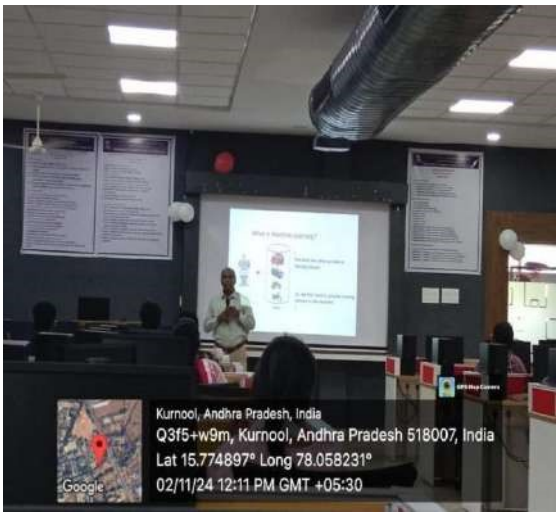
Event details:

This workshop is conducted on 02-11-2024 from 010:20 AM to 03:30PM at Incubation center, GPREC. The event took place in offline mode. Resource persons gave lectures to students and interacted with them and made them acquainted with machine learning.
Highlights:

□ Overview of machine learning concepts, types of algorithms, and the role of MATLAB in data science.

Photos:





(Signature)
IEEE Faculty Advisor
Dr.V.Anantha Lakshmi

(Signature)
CAA Convenor
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt.15 -11 - 2024

Event Number : CAA/ S.No 4

Name of the CAA Chapter : GPREC IEEE PELS SBC Collaborating

Organization :

Name of the Activity : Electropedia

Date and Time of Activity : 7th November 2024 from 3:00 PM – 4:00PM Details of

Resource Persons, if any :

Number of Participants (List to be enclosed): Total number of students is 50

Details of Faculty/Students Coordinators:

Faculty Coordinators:
Dr. V. Anathalakshmi, Associate Professor, EEE Dept,
Student Coordinators: Chethan Kumar, G.Dharma Teja, C.Uday Kiran,A.Pavan Kumar
Objective:

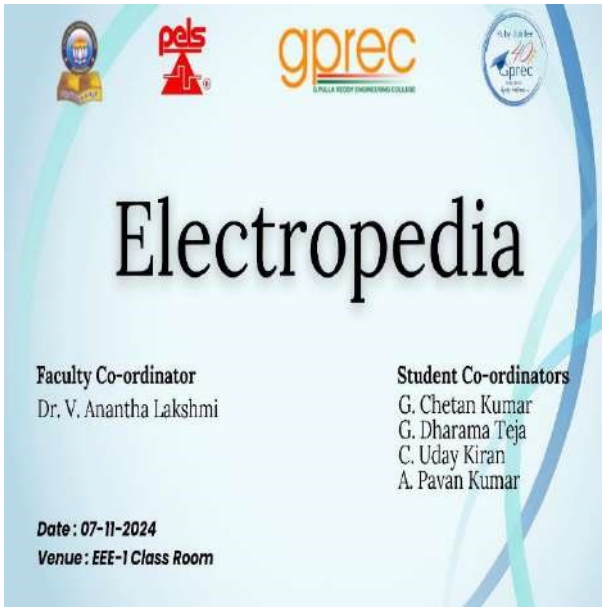
The main objective of this event is to make the students to identifies gaps in knowledge. In addition to being a lot of fun, quizzes may be beneficial for personal development. They can teach students more about who they are and how other people see them.

Description of Event:

In addition to the apparent educational benefits of introducing students to novel ideas and abilities, quizzes greatly change the way in which knowledge is imparted. Since the questions are not curriculumfocused and require critical thinking and in-depth inquiry, students form the habit of creative learning. In this context GPREC IEEE PELS SBC conducted a technical quiz on 4th September 2024 for EEE students**.** A total of 50 students of II B.Tech participated in this event.

Outcome: The outcome of this event is students were able to identify the gaps in knowledge.

Photos:



(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE Student Branch Under CAA Cell

Dt.17 -11 - 2024

Event Number : **CAA/ S.No 17**

Name of the CAA Chapter : **GPREC IEEE PELS SBC Collaborating Organization** :

Name of the Activity : **Interaction Meet**

Date and Time of Activity : **8th November 2024 from 10:40 AM – 12:40PM**

Details of Resource Persons, if any :

Number of Participants (List to be enclosed): Total number of students is 26

Details of Faculty/Students Coordinators:

Faculty Coordinators:
Dr. V. Anantha Lakshmi, Associate Professor, EEE Dept,
Student Coordinators: Sai Sreeja Objective:

The main objective of this event is to make the students to identify the gaps while preparing for placements.

Description of Event: A session on interaction meet with Accenture placed students is conducted so that other students may know how to prepare for placements. In the meet the 6 students explained how they prepared for placement, what are the questions asked by the panel members and the answers given by them which made them krack the job in Accenture.

Outcome: The outcome of this event is students were able to identify the gaps while preparing for placements.

.

Photos:

(Signature)
Coordinator of Chapters
GPREC SB, PELS SBC & WIE AG
Name: Anantha Lakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB (STB – 15721) Under CAA Cell

Dt. 08-11-2024

Event Number : **CAA/ S.No**

Name of the CAA Chapter : **GPREC IEEE SB**

Collaborating Organization :

Name of the Activity : IEEE MDC Administrative Meet.

Date and Time of Activity : 08 -11-2024 from 03:00 PM to 04:00 PM

Details of Resource Persons, if any :

Meeting link: :

Number of Participants (List to be enclosed): Total number of students is
IEEE Students : 16

Details of Faculty/Students Coordinators:

Student Coordinators:
SB chair: K Jagadeeswara Reddy, III CSM.

Objective: he meeting aims to bring together members of the IEEE Membership Development Committee (MDC) to discuss and improve the administrative processes that support membership growth and engagement. We will review current initiatives, set goals for the future, address any challenges, and work together to ensure a more effective and collaborative approach to membership development.

Description of Event: An IEEE MDC Administrative Meet was held on 8th November 2024, from 3:00 PM to 4:00 PM by GPREC IEEE SB. The session provided a platform for committee members to discuss the progress of ongoing membership development initiatives and identify areas for improvement. During the meeting, key topics included reviewing membership engagement strategies, evaluating the effectiveness of current programs, and setting clear goals for the upcoming period. Committee members actively participated in discussions, offering suggestions and solutions to address any challenges faced in the membership development process.The session emphasized the importance of teamwork and collaboration in achieving the committee's objectives and ensuring effective membership growth and retention.

Outcome: The meeting successfully fostered a constructive dialogue among committee members, resulting in a clearer understanding of ongoing initiatives and actionable goals for the future. Members left the meeting with a renewed sense of purpose and direction, ready to collaborate and implement strategies that would further strengthen IEEE membership development efforts..

(Signature)
Coordinator of Chapter
GPREC, PELS SBC
Name: Dr. V. Anathalakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB (STB – 15721) Under CAA Cell

Dt. 13-11-2024

Event Number : **CAA/ S.No**

Name of the CAA Chapter : **GPREC IEEE SB**

Collaborating Organization :

Name of the Activity : IEEE Interaction Session on V-tools

Date and Time of Activity : 13 -11-2024 from 03:00 PM to 04:30 PM

Details of Resource Persons, if any :

Meeting link: :

Number of Participants (List to be enclosed): Total number of students is
IEEE Students : 30

Details of Faculty/Students Coordinators:

Faculty Coordinators:

Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, SB Counsellor and PELS SBC faculty Advisor

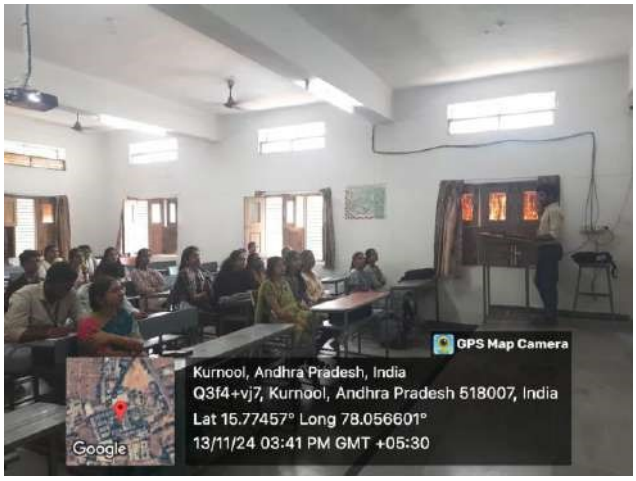
Student Coordinators:

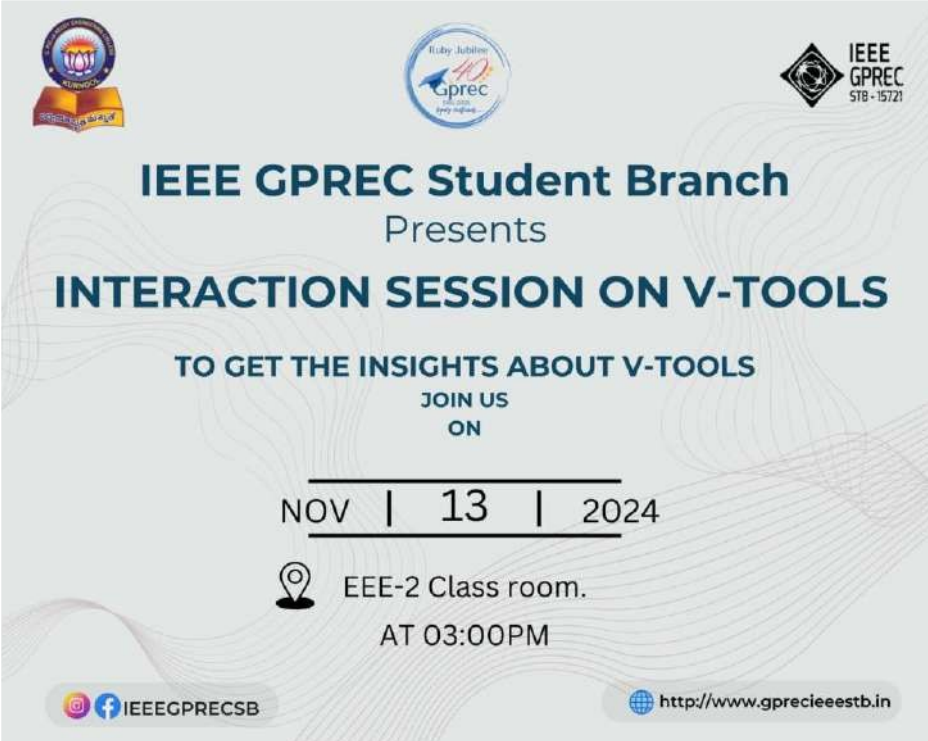
SB chair: K Jagadeeswara Reddy, III CSM

Objective: The session is designed to help members better understand and use IEEE vTools in their day-to-day activities. By exploring its features in a hands-on way, participants will learn how to manage events, report activities, and handle administrative tasks more efficiently.

Description of Event: An interactive session on IEEE vTools was conducted by GPREC IEEE SB on 13th November 2024, from 3:00 PM to 4:30 PM. The session was designed to provide attendees with a comprehensive understanding of the vTools platform, which simplifies administrative processes such as event management and reporting for IEEE units. Key features of vTools were demonstrated through practical, hands-on activities. The session highlighted how members could efficiently navigate and utilize the platform to improve organizational workflows. Attendees actively participated in discussions and exercises, gaining valuable insights into the platform's functionalities.

Outcome: The session successfully equipped members with practical knowledge of IEEE vTools. Attendees reported increased confidence in using the platform for managing IEEE-related activities.





(Signature)
Coordinator of Chapter
GPREC, PELS SBC
Name: Dr. V. Anathalakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB (STB – 15721) Under CAA Cell

Dt. 14-11-2024

Event Number : CAA/ S.No

Name of the CAA Chapter : GPREC IEEE SB

Collaborating Organization :

Name of the Activity : IEEE Interaction Session on Designing and Content

Date and Time of Activity : 14 -11-2024 from 03:00 PM to 04:30 PM

Details of Resource Persons, if any :

Meeting link: :

Number of Participants (List to be enclosed): Total number of students is
IEEE Students : 22

Details of Faculty/Students Coordinators:

Faculty Coordinators:

Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, SB Counsellor and PELS SBC faculty Advisor

Student Coordinators:

SB chair: K Jagadeeswara Reddy, III CSM

Objective: The session aims to help participants develop creative and practical skills in designing and content creation. It will focus on making designs visually appealing and crafting impactful content for IEEE activities.

Description of Event: An interactive session on designing and content creation was conducted by GPREC IEEE SB on 14th November 2024, from 3:00 PM to 4:30 PM. The session was designed to enhance participants' creativity and communication skills, with a focus on producing professional-quality designs and content for IEEE activities. This session included practical demonstrations and hands-on exercises, where attendees learned essential techniques for designing event posters, social media posts, and other promotional materials. Participants explored tools and strategies for creating visually appealing layouts and writing compelling content that aligns with IEEE's objectives.

Outcome: The session successfully provided participants with valuable skills in designing and content creation. Attendees gained confidence in crafting high-quality materials and reported an increased understanding of how to effectively present ideas visually and textually for IEEE events and activities.

(Signature)
Coordinator of Chapter
GPREC, PELS SBC
Name: Dr. V. Anathalakshmi

(Signature)
Coordinator
CAA Cell GPREC
Name: Dr. C. Harinatha Reddy

Event Number

Name of the CAA Chapter

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB (STB – 15721) Under CAA Cell

Dt. 22-11-2024

: CAA/ S.No 18

: GPREC IEEE PELS SBC

Collaborating Organization **:** PES/IAS/PELS Jt chapter of IEEE Hyderabad Section in association with PES SBCs – CVR CE, Vaagdevi CE, Geethanjali CET, NIT Warangal, MVSREC, RVRJCCE, JBREC; PELS SBCs - GPCET, Vardhaman CE; IAS SBC-Mohan Babu University

Name of the Activity **: Industry Lecture Series -** PELS DL Programme with a webinar on "Power Saving and THD Improvement in Sensor-less IPMSM Drive for PV Fed Pumps"

Date and Time of Activity **:** 22-November -2024 from 06:30 PM to 08:00 PM

Details of Resource Persons, if any : Dr. Sagar Petkar, Senior Power Electronics Engineer, Ecozen Solutions Pvt. Ltd., Pune,

Meetinglink::
https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m610a9ae95c034d6b1a4a467ab91b97ca

Number of Participants (List to be enclosed): 54 **Details of Faculty/Students Coordinators:**

Faculty Coordinators:

Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, SB Counsellor and PELS SBC faculty Advisor

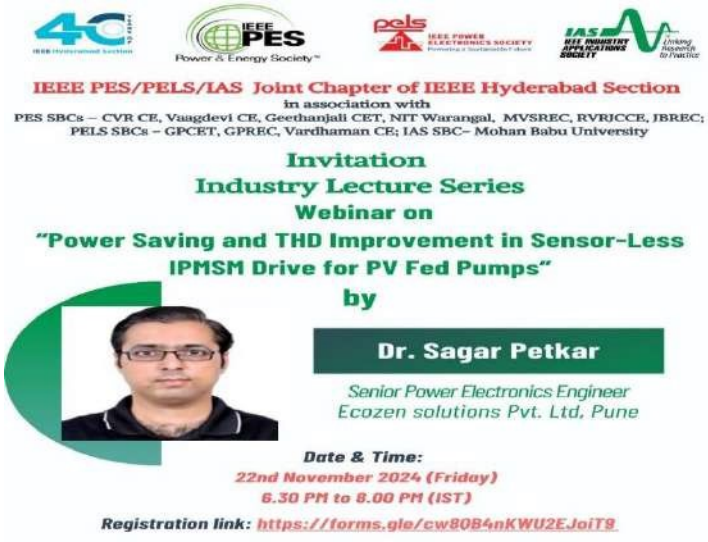
Objective: The main objective of this event is to create awareness among students on Design Challenges of Silicon Carbide Power Converter Systems

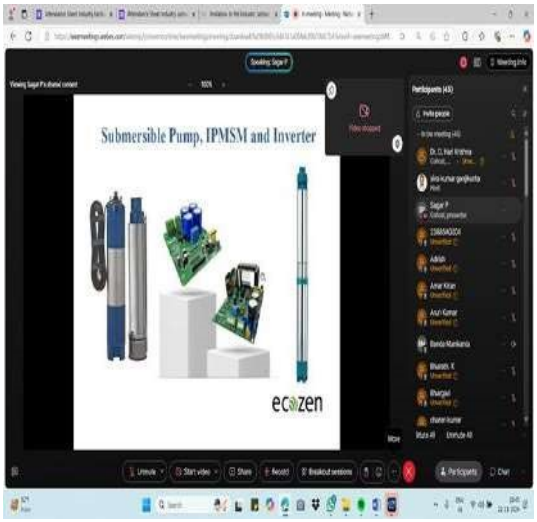
Description of Event: PES/PELS/IAS Jt Chapter, IEEE Hyderabad Section in association with PES SB Chapters of CVR,Vagdevi, Geethanjali, NIT Warangal, MVSREC, RVRJCE, JBREC, PELS SBC'S – GPCET, Vardhaman, IAS SBC – Mohan Babu University has organized IEEE PELS DL Programme with a webinar on "Power Saving and THD Improvement in Sensor-less IPMSM Drive for PV Fed Pumps" by Dr. Sagar Petkar, Senior Power Electronics Engineer, Ecozen Solutions Pvt. Ltd., Pune, scheduled for Friday, 22nd November 2024, from 6:30 PM to 8:00 PM (IST).The webinar started with the welcome address by the Dr. G Siva Kumar, Chair, IEEE PES/IAS/PELS Joint Chapter of Hyderabad Section. **Biography of the Speaker:**

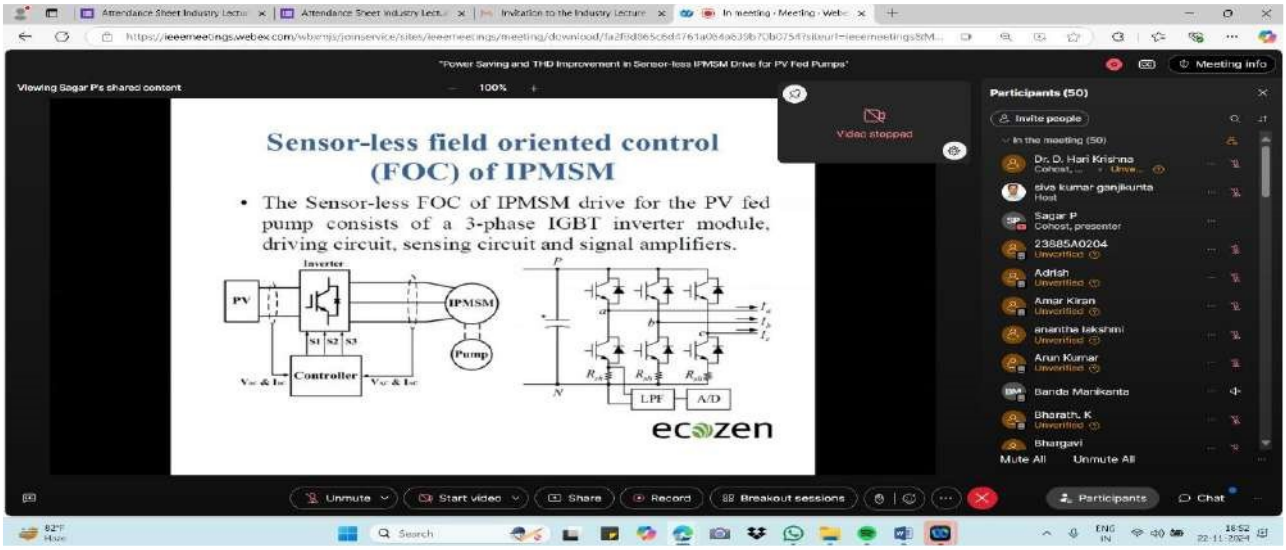
Dr. Sagar Petkar was born in Nashik, India, in 1985. He received B.E. degree in electrical engineering from Pune University, Pune in 2007, and the M.Tech degree in electrical engineering from the Indian Institute of Technology Bombay, in 2010. He received his Ph.D degree in electrical engineering from the National Institute of Technology Warangal, in 2022. From 2011 to 2018, he was an Assistant Professor with Pune University. He is presently working in Ecozen Solutions Pvt. Ltd as a Senior Power Electronics Engineer since 2022. His research interests include power electronics, sensor-less high-performance electrical drives, model predictive control, and design of the PMS motor.

Abstract: The PV operated pump drive system using IPMS motor needs the knowledge of the exact rotor position. The rotor position in the IPMS motor can be sensed using the position encoder. Here presented a rotor position estimation method for the vector-controlled IPMS motor along with the harmonic filter eliminating the dependency on the position encoder. The invented scheme also integrates the MPPT of PV and position estimation of IPMSM into the closed loop vector control with output harmonic filter. The developed scheme improves the overall efficiency of the PV fed water pump drive. With this scheme, the water output from the pump per unit input DC power is increased.

Outcome: At the end of the session participants were able to gain the valuable insights from an industry expert in power electronics and renewable energy systems.







(Signature)
Coordinator of Chapter
GPREC, PELS SBC

(Signature)
Coordinator
CAA Cell GPREC

Event Number

Name of the CAA Chapter

Name: Dr. V. Anantha Lakshmi Name: Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Reportof IEEE Student Branch Under CAA Cell

Dt. 06-11-2024

: CAA/S.No 7

: GPREC IEEE PES

Name of the Activity : Seminar on "Digital metering infrastructure"

Date and Time of Activity : 6th November 2024, 3.00 pm to 4:30 pm

Details of Resource Persons, if any : Dr.G.SreenivasaReddy, Associate Professor, GPREC

Number of Participants (List to be enclosed): Total number of students is : 62 Details of Faculty/Students Coordinators:

Faculty Coordinators: Smt.G.Haritha Student Coordinators:

IEEE PES Chair : Ashok Kumar

Objective:

The main objective of this session is to conduct a guest lecture session on Smart Metering.

Description of Event: Digital metering infrastructure (DMI) refers to systems that measure, collect, and analyze energy usage, and communicate with metering devices such as electricity meters, gas meters, heat meters, and water meters, either on request or on a schedule. These systems include hardware, software, communications, consumer energy displays and controllers, customer associated systems, meter data management software, and supplier business systems

.

Outcome: Students who took part in and attended this event would get an idea about cost savings, reduced environmental impact, and Greater power system decentralization.

Photos:

(Signature)
Coordinator of Chapters
GPREC IEEE PES
Name: Smt G.Haritha

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

Event Number

Name of the CAA Chapter

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Reportof IEEE Student Branch Under CAA Cell

Dt. 07-11-2024

: CAA/S.No 8

:GPREC IEEE PES

Name of the Activity **:** Seminar on "Solar panel installation and its advantages"

Date and Time of Activity **:** 7th November 2024, 3.00 pm to 4:30 pm

Details of Resource Persons, if any : Dr.G.SreenivasaReddy, Associate Professor, GPREC

Number of Participants (List to be enclosed): Total number of students is : 58 Details of Faculty/Students Coordinators:

Faculty Coordinators: Smt.G.Haritha Student Coordinators:

IEEE PES Chair : Ashok Kumar

Objective:

The main objective of this session is to conduct a guest lecture session on installation of solar panels on roof and its advantages.

Description of Event: Installers have the right to feed solar electricity into the public grid and hence receive a reasonable premium tariff per generated kWh reflecting the benefits of solar electricity to compensate for the current extra costs of PV electricity.

For consumers, a solar PV system can help them reduce their reliance on fossil fuels by using the sun's free energy to produce electricity that they can use in their home. Solar PV can therefore help homeowners lower their carbon footprints as well as saving money with their utility bills.

Outcome: Students who took part in and attended this event would get an idea about cost savings, reduced environmental impact, and Greater power system decentralization. **Photos:**

(Signature)
Coordinator of Chapters
GPREC IEEE PES
Name: Smt G.Haritha

(Signature)
Coordinator
CAA Cell GPREC
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE MTTS (SBC-15721H)

Name of the Chapter: IEEE Microwave Theory and Techniques Society (SBC-15721H)

Name of the Activity: ANSYS HFSS MILLIMETER AND TERAHERTZ ANTENNA DESIGN EXHIBITION

Date and Time of Activity: 11th Nov 2024 ,4:30pm to 7:30pm.

Number of Participants: 35

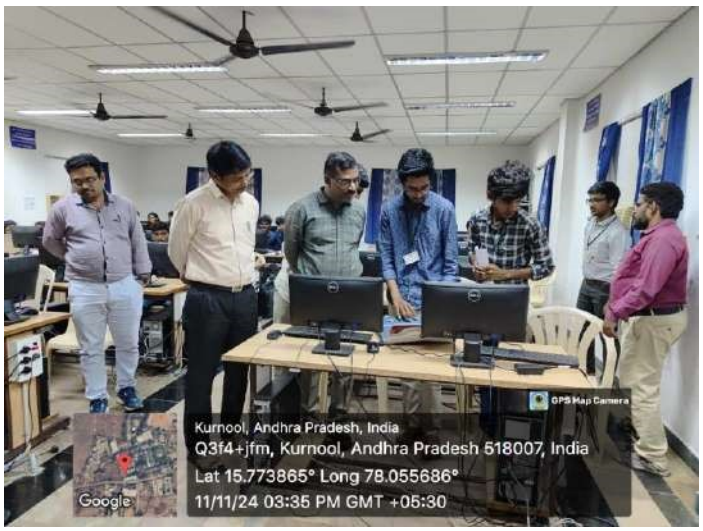
Faculty Coordinators: Dr PC Praveen Kumar, Dr. Salai Thillai Thilagam

Description of Event:

The Antenna Design Workshop empowered students to design and develop innovative antenna projects, which were later exhibited to the Head of the ECE Department. Notable projects included wearable microstrip patch antennas with flexible substrates for health monitoring systems, high-performance sub-THz planar antenna arrays for sensing and imaging applications, and SWASTIK-shaped slotted MSPA antennas for 5G sub-band communication. Students also created micro-sized rhombus-shaped THz antennas for shortrange high-speed wireless communication, high-gain designs for 6G wireless networks, and antenna arrays for THz space applications, showcasing their versatility and advanced design skills.

Creative designs, such as alphabet-shaped antennas, further demonstrated students' innovation and ability to think outside the box. The exhibition was well-received, with the Head of the ECE Department commending the students for their practical application of theoretical knowledge and their ability to address cutting-edge technological challenges. The projects reflected a strong understanding of antenna design principles and futureoriented thinking.

Photos:



Student Co-ordinators:

1. T.Jaswanthsivasai -III ECE
2. V.Lahari -III ECE
3. U.Chandana-III ECE
4. S.Jagadeeshwar-III ECE
5. K.Viswanath-III ECE **Student Volunteers:**

1.E.HarshaVardhan Goud -II ECE

2.J.Sree Meghana – II ECE

3.S.Ananth – II ECE

4.K.Krishna Vamsi -II ECE

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C HarinathReddy,Dept of EEE

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE MTTS (SBC-15721H)

Name of the Chapter: IEEE Microwave Theory and Techniques Society (SBC-15721H)

Name of the Activity: HFSS Antenna Design Mastery

Date and Time of Activity: 8/11/2024, 03:00PM – 04:00PM

Number of Participants: 15

Faculty Coordinators: Dr. Salai Thillai Thilagam

Description of Event: These session was about Antenna Design Mastery . HFSS is primarily used for 3D full-wave electromagnetic simulation. It is capable of simulating a wide range of highfrequency and microwave components, including antennas. The software helps in calculating the radiation patterns, impedance matching, gain, and other crucial parameters of an antenna. The session was given by Kasi Viswanath 3rd ECE , 15 students attended the interesting session **Photos:**

Student Co-ordinators:

1. T.Jaswanthsivasai -III ECE
2. V.Lahari -III ECE
3. U.Chandana-III ECE
4. S.Jagadeeshwar-III ECE
5. K.Viswanath-III ECE **Student Volunteers:**

1.E.HarshaVardhan Goud -II ECE

2.J.Sree Meghana – II ECE

3.S.Ananth – II ECE

4.K.Krishna Vamsi -II ECE

(Signature) (Signature)

Faculty advisor CAA Convenor
Dr P C Praveen Kumar, Dept of ECE. Dr.C HarinathReddy,Dept of EEE

Name of the Chapter: IEEE Microwave Theory and Techniques Society (SBC-15721H)

Name of the Activity: Training on VTools to New Excom

Date and Time of Activity: 4/11/2024, 03:00PM – 04:00PM

Number of Participants:9

Description of Event: In IEEE MTTS (Microwave Theory and Techniques Society), **VTools** (Virtual Tools) refer to a suite of simulation and design tools that facilitate the design, analysis, and testing of microwave and RF (Radio Frequency) systems. These tools are typically used by engineers and researchers working in the field of microwave theory, wireless communication, radar systems, antenna design, and other RF-related applications. All the new EXCOM members joined the session.

Photos:

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE MTTS (SBC-15721H)

Student Co-ordinators:

1. T.Jaswanthsivasai -III ECE
2. V.Lahari -III ECE
3. U.Chandana-III ECE
4. S.Jagadeeshwar-III ECE
5. K.Viswanath-III ECE **Student Volunteers:**

1.E.HarshaVardhan Goud -II ECE

2.J.Sree Meghana – II ECE

3.S.Ananth – II ECE

4.K.Krishna Vamsi -II ECE

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C HarinathReddy,Dept of EEE

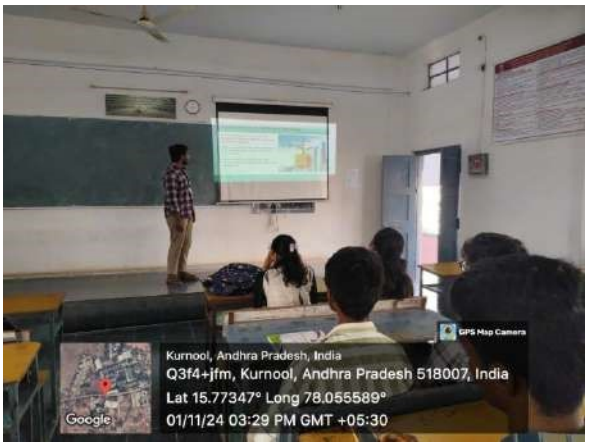
Name of the Chapter: IEEE Microwave Theory and Techniques Society (SBC-15721H)

Name of the Activity: Precision Drone Navigation

Date and Time of Activity: 1/11/2024, 03:00PM – 04:00PM

Number of Participants:15

Description of Event: These session is about the Drone Navigation. Precision drone navigation refers to the ability of a drone to navigate with high accuracy and reliability in a specific location. Achieving precision in drone navigation is essential for applications where GPS alone may not be sufficient or where high levels of control and positioning are required, such as in autonomous delivery, industrial inspections, agriculture, surveying, or search and rescue. 15 students attended the session , as they learned about some interesting information about Drone Navigation **Photos:**



Student Co-ordinators:

1. T.Jaswanthsivasai -III ECE
2. V.Lahari -III ECE
3. U.Chandana-III ECE
4. S.Jagadeeshwar-III ECE
5. K.Viswanath-III ECE **Student Volunteers:**

1.E.HarshaVardhan Goud -II ECE

2.J.Sree Meghana – II ECE

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE MTTS (SBC-15721H)

3.S.Ananth – II ECE

4.K.Krishna Vamsi -II ECE

(Signature) (Signature)

Faculty advisor CAA Convenor
Dr P C Praveen Kumar, Dept of ECE. Dr.C HarinathReddy,Dept of EEE

Event Number: S.No. 8

Name of the Chapter: IEEE Microwave Theory and Techniques Society (SBC-15721H)

Name of the Activity: A Two Week training on Design Challenges in Microstrip Patch Antennas for Next Generation 5G/6G Wireless Communications

Date and Time of Activity: From 28th Oct 2024 to 9th Nov 2024 ,4:30pm to 7:30pm.

Number of Participants: 35

Faculty Coordinators: Dr PC Praveen Kumar, Dr. Salai Thillai Thilagam

Description of Event:

The Antenna Design Workshop, conducted from October 28 to November 9, 2024, offered a comprehensive introduction to antennas and their design methodologies. Participants started with the basics of antenna types, design parameters, and microstrip patch antennas, including their equations. They were introduced to Ansys HFSS software, learning installation, interface navigation, and basic simulations. Hands-on sessions enabled the design of microstrip patch antennas using wave and coaxial feeding techniques, as well as quarter-wave and half-wave transmission line models. Advanced topics like incorporating lumped RLC networks, reconfigurable antennas, and wearable antenna designs were also

explored, demonstrating practical applications. The workshop began with faculty coordinators introducing the program and setting the tone for an engaging experience. Participants thoroughly enjoyed the sessions, appreciating the blend of theory and practice, and expressed their enthusiasm throughout the event. The workshop concluded with a competitive design challenge, where participants showcased innovative solutions, making it a memorable and enriching experience for all.

Photos:

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE MTTS (SBC-15721H)

Student Co-ordinators:

1. T.Jaswanthsivasai -III ECE
2. V.Lahari -III ECE
3. U.Chandana-III ECE
4. S.Jagadeeshwar-III ECE
5. K.Viswanath-III ECE

Student Volunteers:

1.E.HarshaVardhan Goud -II ECE

2.J.Sree Meghana – II ECE

3.S.Ananth – II ECE

4.K.Krishna Vamsi -II ECE

(Signature) (Signature)

Faculty advisor CAA Convenor

Dr P C Praveen Kumar, Dept of ECE. Dr.C HarinathReddy,Dept of EEE

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE Student Branch (STB15721)

IEEE Communications Society (SBC 15721)

Name of the chapter : IEEE COMSOC

Name of the Event/Activity : "**Idea Expo**"

Date : 30th October 2024.

Time : 6:00 PM to 7:00 PM

Venue : Virtual

Faculty coordinator : D.Rohini , Dept of ECE

Attendees : Students of ECE Department of GPREC

Objective:

To provide a platform for students to showcase innovative ideas, foster creativity, and encourage interdisciplinary collaboration. The Idea Expo aims to inspire participants, promote practical problemsolving skills, and cultivate an environment of innovation within the academic community.

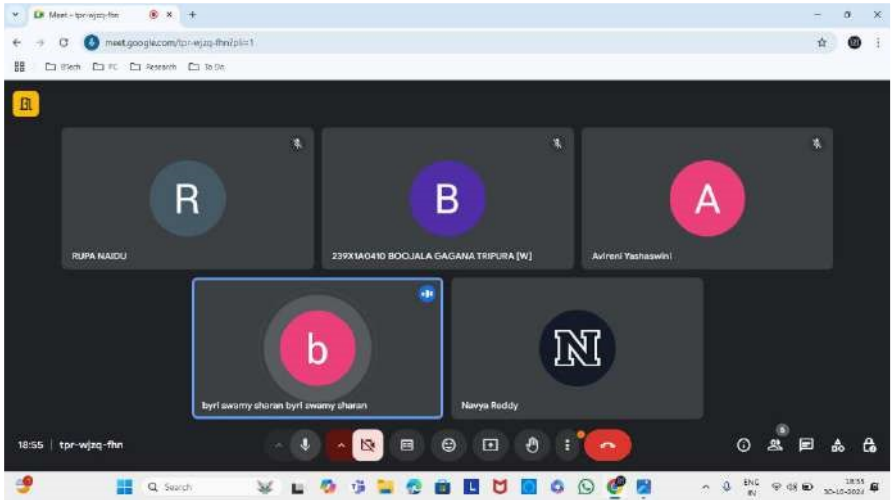
Description of the event:

The IEEE Idea Expo was organized as an event where students presented their project ideas. Participants from different academic backgrounds showcased ideas addressing real-world challenges, with projects spanning domains like electronics, communication, automation, sustainability, and AI.
Networking sessions allowed students to interact with industry professionals, receive feedback, and explore potential collaborations. The expo also included a Q&A session where participants discussed challenges and received expert guidance on project development.

Outcomes:

The meeting was concluded with the demonstrations in various domains, including IoT, AI, renewable energy, robotics, and biomedical engineering. Participants had opportunities to discuss their work, gain insights, and network with other students, fostering an environment of learning and constructive feedback.

Snapshoots of the Session:



Mind quest”

Date : 4th Novemeber 2024.

Time : 3:00 pm-4:00 pm

Venue : ECE BLOCK1,GPREC.

Collaborating Organization : None

Number of Participants : Total number of participants are **50.**

Faculty coordinator : D.Rohini , Dept of ECE

Student coordinators : ALL The EXECOM members of the society.

Overview:

Mind Quest" was an exciting and engaging event designed to challenge participants' mental acuity, problem-solving abilities, and creative thinking. The event brought together individuals from various backgrounds to engage in a series of intellectually stimulating activities and competitions aimed at enhancing cognitive skills and teamwork.

Objectives:

- Promote Innovation and Problem-Solving.
- Enhance Technical Skills and Knowledge.
- Develop Critical Thinking and Analytical Skills. ➢ To encourage collaborative learning.

Outcomes:

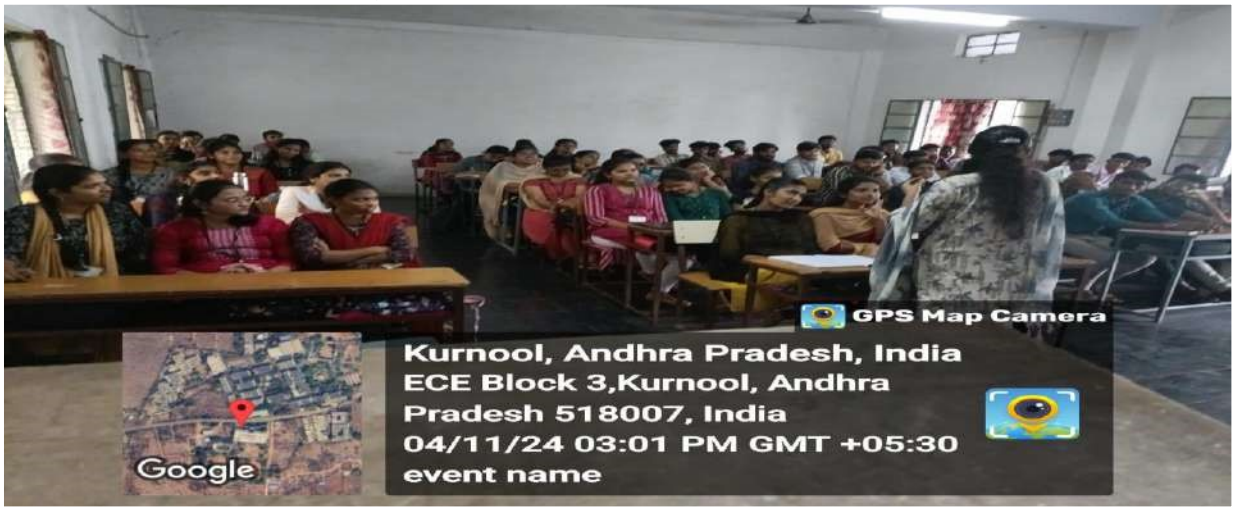
Thus the Mind Quest Technical Event aims to be an enriching experience that combines intellectual rigor, hands-on learning, and professional development in a technical context..

SNAPSHOTS OF THE EVENT

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

IEEE COMMUNICATIONS SOCIETY

Name of the Event/Activity : "



(Signature)
Faculty advisor
(IEEE COMSOC)
Smt D.Rohini, Dept of ECE.

(Signature)
CAA Convenor
Dr.C .Harinath Reddy,Dept of EEE.

Overview of EDA Tools for VLSI Design"

Date : 6th Novemeber 2024.

Time : 3:00 pm-4:00 pm

Venue : ECE BLOCK1,GPREC.

Collaborating Organization : None

Number of Participants **:** Total number of participants are **15.**

Faculty coordinator : D. Rohini , Dept of ECE

Student coordinators : ALL The EXECOM members of the society.

Overview:

Electronic Design Automation (EDA) tools are specialized software applications used by engineers and designers to create, design, simulate, and verify electronic systems and components, such as integrated circuits (ICs), printed circuit boards (PCBs), and other electronic components. These tools are critical in modern electronics design, enabling faster, more efficient, and accurate development of complex electronic systems. An overview on EDA tools such as Mentor graghics, Xilinx and cadence tools were discussed.

Objectives:

- EDA tools are indispensable in modern electronics design, helping engineers and designers develop complex systems more efficiently and accurately.
- Despite challenges like high costs and complex learning curves, the evolution of EDA tools continues to shape the future of electronics development, enabling faster innovation and more advanced products in various industries.

Outcomes:

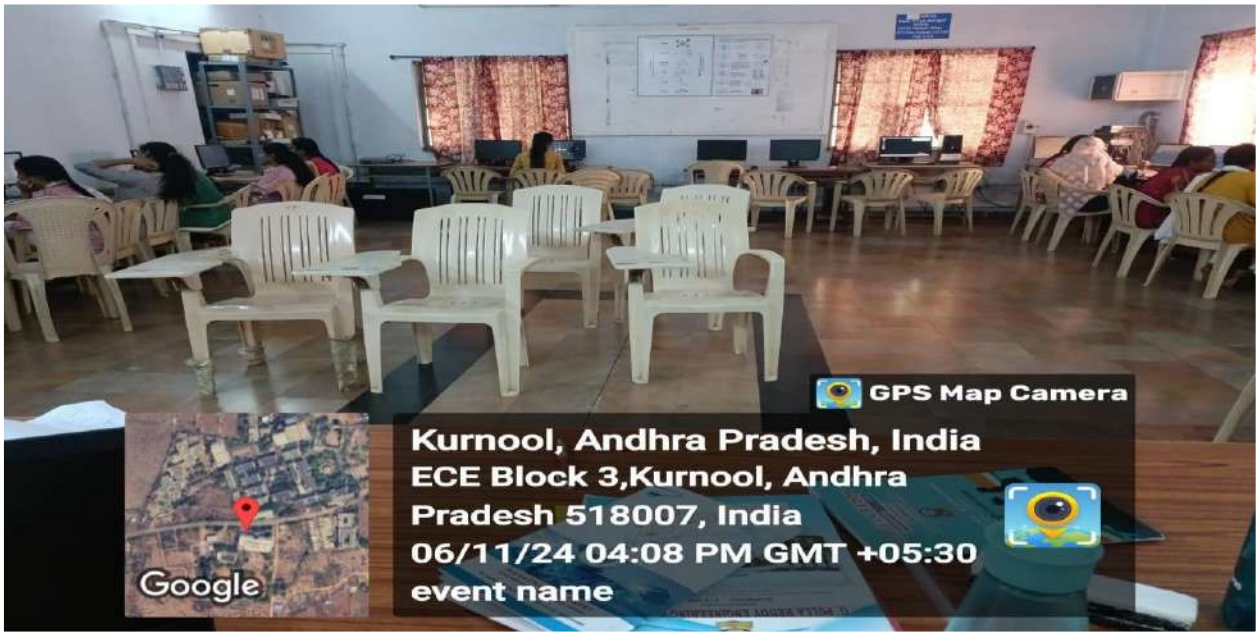
Thus the students were able understand the importance of EDA tools in designing various electronic circuits.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

IEEE COMMUNICATIONS SOCIETY

Name of the Event/Activity : "

SNAPSHOTS OF THE EVENT



(Signature)
Faculty advisor
(IEEE COMSOC)
Smt D.Rohini, Dept of ECE.

(Signature)
CAA Convenor

Dr.C .Harinath Reddy,Dept of EEE.

Digital Literacy"

Date : 8th Novemeber 2024.

Venue : ECE BLOCK1,GPREC.

Collaborating Organization : None

Number of Participants : Total number of participants are **22.**

Faculty coordinator : D. Rohini , Dept of ECE

Student coordinators : ALL The EXECOM members of the society.

Overview:

Digital literacy has become a fundamental skill that is essential for navigating the modern world. With the rapid advancement of technology, the internet, and digital devices, individuals must possess the knowledge and skills to effectively use, understand, and critically evaluate digital tools and content. Digital literacy encompasses a broad range of competencies, from basic computer skills to understanding how digital tools can enhance communication, problem-solving, and decision-making in both personal and professional environments.

Objectives:

- The ability to locate, evaluate, and use digital information effectively.
- Proficiency in using digital communication platforms.

Outcomes:

Thus it is a necessity for navigating the modern world. In an increasingly digital society, the ability to use, understand, and critically assess digital technologies has become fundamental for personal, professional, and social success.

SNAPSHOTS OF THE EVENT

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)

IEEE COMMUNICATIONS SOCIETY

Name of the Event/Activity : "

(Signature)
Faculty advisor
(IEEE COMSOC)
Smt D.Rohini, Dept of ECE.

(Signature)
CAA Convenor

Dr.C .Harinath Reddy,Dept of EEE.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous): Kurnool

Department of Electronics & Communication Engineering

IEEE INFORMATION THEORY SOCIETY Students Chapter (SBC15721D)

List of Student Activities conducted in the month of NOVEMBER 2024

1) IEEE Information Theory Society conducted "**Technical Talk**" on November 15th 2024 for all students with present Exe com members. Total no. of participants are 15
2) IEEE Information Theory Society conducted "**IoT & Robotics**" on November 9th 2024 for all students with present Exe com members. Total no. of participants are 10
3) IEEE Information Theory Society conducted "**Poster Designing**" on November 5th 2024 for all students with present Exe com members. Total no. of participants are 30
4) IEEE Information Theory Society conducted "**Advanced programming Languages**" on November 2nd 2024 for all students with present Exe com members. Total no. of participants are 20
5) IEEE Information Theory Society conducted "**Web designing**" on October 30th 2024 for all students with present Exe com members. Total no. of participants are 15
6) IEEE Information Theory Society conducted "**Design of IoT system**" on October 29th 2024. Total no. of participants are 50

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)
IEEE Information Theory Society (SBC 15721D)

Date: 15-11-2024

Name of the CAA Chapter **:** IEEE ITSOC

Collaborating Organization **:** IEEE SB GPREC

Name of the Activity **:** Technical Talk

Date and Time of Activity **:** 15-11-2024 from 3.30 PM to 5.00 PM

Number of Participants (List to be enclosed): The total number of students is 15. **Details of Faculty/Students Coordinators:**

Faculty Coordinators: Smt. G. Divya Praneetha, Assistant Professor, ECE Dept, IT SOC faculty Advisor

Student Coordinators:

IT SOC-Vice Chair: M. Sanjay Raj, III ECE - B **Objective** :

The objective of a technical talk is to share knowledge, research, and information about technological trends. Technical talks can also be a team-building activity.

Description of Event:

This technical poetry event primarily aims to ignite the creative spirit within students, A technical talk event is a gathering where technology professionals share their knowledge and learn from each other about "New and Emerging Technologies."

Outcome: At the end of the talk the students were able to explore their knowledge by speaking about latest topics.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE Student Branch (STB15721)
IEEE Information Theory Society (SBC 15721D)

Date: 9-11-2024

Name of the CAA Chapter **:** IEEE ITSOC

Collaborating Organization **:** IEEE SB GPREC

Name of the Activity **: Hand on session**
on "IoT and Robotics"

Date and Time of Activity **:** 9-11-2024 from 3.00 PM to 5.00 PM

Number of Participants (List to be enclosed): 10

The total number of students are 6, faculty are 4.

Details of Faculty/Students Coordinators:

Faculty Coordinators: Smt. G. Divya Praneetha, Assistant Professor, ECE Dept, IT SOC faculty Advisor **Objective** :

To provide the students with hands-on experience and knowledge in IoT concepts, prototyping, connectivity, security, and real-world applications, fostering collaboration and inspiring innovation in the Industry.

Description of Event: "IOT and Robotics" helped them to develop real time Projects after attending this session. It offered students hands-on experience in applying theoretical knowledge to practical problems and also provided an opportunity for students to work on projects from conception to execution, gaining valuable skills in project management, problem- solving, and teamwork.

Outcome: Enhanced Hardware and software Skills in IOT devices and interfacing with real time sensors.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)
IEEE Information Theory Society (SBC 15721D)

Date: 5-11-2024

Name of the CAA Chapter : IEEE ITSOC

Collaborating Organization : IEEE SB GPREC

Name of the Activity competition : **Poster designing**

Date and Time of Activity : 5-11-2024 from 3.30 PM to 5.00 PM

Number of Participants (List to be enclosed): The total number of students is 30. **Details of Faculty/Students Coordinators:**

Faculty Coordinators: Smt. G. Divya Praneetha, Assistant Professor, ECE Dept, IT SOC faculty Advisor

Student Coordinators:

IT SOC treasurer: P.Kavya, IV ECE **Objective** :

The objective behind organising of poster making competition is to bring out the creative expression of students and to gauge their knowledge and awareness of various trends in Commerce & Management**.**

Description of Event:

The aim of the Poster Making Competition is not just to judge the students based on their creative aspects but also to trigger thought process among the students towards recent trends in the field of Commerce & Management

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IEEE Student Branch (STB15721)

IEEE Information Theory Society (SBC 15721D)

Date: 2-11-2024

Name of the CAA Chapter **:** IEEE ITSOC

Collaborating Organization **:** IEEE SB GPREC

Name of the Activity :"**Advanced Programming languages**"

Date and Time of Activity **:** 2-11-2024 from 3.30 PM to 5.00 PM

Number of Participants (List to be enclosed): The total number of students is 20.

Faculty Coordinators: Smt. G. Divya Praneetha, Assistant Professor, ECE Dept, IT SOC faculty Advisor

Student Coordinators:

IT SOC Execom : P.Adarsh, IV ECE

Objective

The main objective of this program was that the students may gain knowledge on Python programming language. This Python training course leads the students from writing and running Python scripts to more advanced features such as file operations, regular expressions, working with using the extensive functionality of Python modules.

Description of Event:

In this program the student were able to acquire knowledge of Advanced Python programming. They were able to design solutions for complex engineering problems like creating, selecting, and applying appropriate techniques, resources, and modern engineering IT tools

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)
IEEE Information Theory Society (SBC 15721D)

Date: 30-10-2024

Name of the CAA Chapter **:** IEEE ITSOC

Collaborating Organization **:** IEEE SB GPREC

Name of the Activity : "**Web Designing**"

Date and Time of Activity **:** 30-10-2024 from 3.10 PM to 4.30 PM

Number of Participants (List to be enclosed): The total number of students is 15.

Faculty Coordinators: Smt. G. Divya Praneetha, Assistant Professor, ECE Dept, IT SOC faculty Advisor

Student Coordinators:

IT SOC Execom : M. Sanjay Raj, IV ECE

Objective

The objectives of this event aims to achieve, such as increasing sales, boosting brand awareness, and building customer loyalty. These goals serve as a roadmap for the design, development, and marketing of the website, providing a clear direction for content creation, user experience, and functionality.

Description of Event:

The Web Designing event was held in online on October 30, 2024. The event brought together over 15 participants, ranging from beginners to intermediate web designers. The session aimed to provide hands-on experience with the latest web design trends, tools, and technologies, focusing on both aesthetics and user experience (UX) best practices.

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
IEEE Student Branch (STB15721)
IEEE Information Theory Society (SBC 15721D)

Date: 29-10-2024

Name of the CAA Chapter **:** IEEE ITSOC

Collaborating Organization **:** IEEE SB GPREC

Name of the Activity : "**Design of IOT System**"

Date and Time of Activity **:** 29-10-2024 from 3.30 PM to 4.30 PM

Number of Participants (List to be enclosed): The total number of students is 50.

Faculty Coordinators: Smt. G. Divya Praneetha, Assistant Professor, ECE Dept, IT SOC faculty Advisor

Student Coordinators: IT SOC Execom Vice chair- M. Sanjay Raj, IV ECE

Objective :

To provide participants with a comprehensive understanding of IoT system architecture and components.and to demonstrate the practical application of IoT technologies such as sensors, microcontrollers, cloud platforms, and communication protocols.To guide attendees through the process of designing and building an IoT-based system from scratch.To create networking opportunities for attendees to collaborate on future IoT projects and innovations**.**

Description of Event:

G.PULLA REDDY ENGINEERING COLLEGE (Autonomous):KURNOOL

The **IoT System Design session** held on October 29, 2024, was a comprehensive one-day event aimed at equipping participants with the essential skills and knowledge to design, develop, and deploy Internet of Things (IoT) systems. With the rapid growth of IoT technologies, industries are increasingly adopting connected systems to improve efficiency, enhance user experiences, and drive innovation.

G PULLA REDDY ENGINEERING COLLEGE(Autonomous): KURNOOL IEEE GPREC SB IEEE GPREC SENSORS COUNCIL

Report on events conducted in the month of November 2024

1. IEEE GPREC Sensors Council has Organized one day Hands-on workshop on **“ MACHINE LEARNING WITH MATLAB**” on 02nd November, 2024. Sessions were handled by **Dr.Laxminarayana, principal Scientist, Professor & Director, NETRU, Osmania University and Dr.Mythili Sharan, Speech architect, Nerunoics labs, Hyderabad**. The number of registered participants are 86, among 22-IEEE, 64 - Non-IEEE.

2. IEEE GPREC SENSORS COUNCIL has Organized a project demonstration on **“Smart Agriculture using IOT”** in ECE-7, ECE Dept on 15th November,2024. Session was handled by final year students P.Reddaiah and Y.Siva Sai. The total number of participants are limited to 11.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE SB Under CAA Cell

Event Number : **CAA/ S.No 9**

Name of the CAA Chapter : **GPREC IEEE SENSORS COUNCIL**

Collaborating Organization : **IEEE PELS**

Name of the Activity : **Workshop on "Machine Learning With MATLAB"**

Date and Time of Activity : **02-11-2024 from 10:20 AM to 3:30 PM Details of Resource persons :**

1. Dr. Laxminarayana, principal scientist, professor and director, NETRU. Osmania University.
2. Dr. Mythili Sharan, Speech architect, Nuronics Labs, Hyderabad.

Number of Participants (List to be enclosed): Total number of students are 86

Details of Faculty/Students Coordinators:

Faculty Coordinators:
Smt. W. Yasmeen, Assistant Professor, ECE Dept, IEEE Sensors Council Faculty Advisor.
Dr. V. Ananthalakshmi, Associate Professor, EEE Dept, IEEE SB Counsellor and IEEE PELS SBC faculty Advisor.

Student Coordinators:
IEEE SB Chair : K. Jagadeeshwar Reddy
IEEE Sensors Council Chair: M.Rehana & Team

Description of Event:

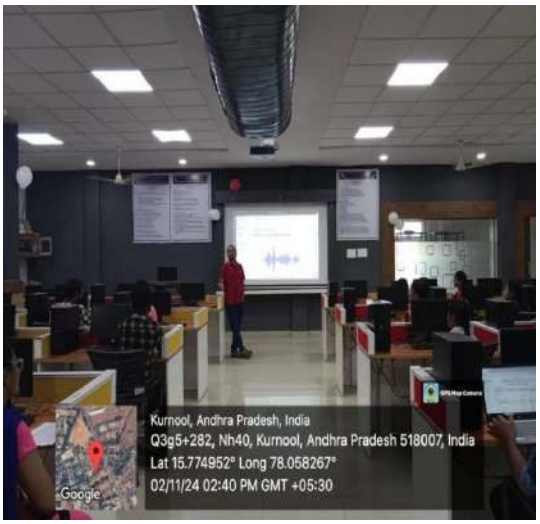
Objective:

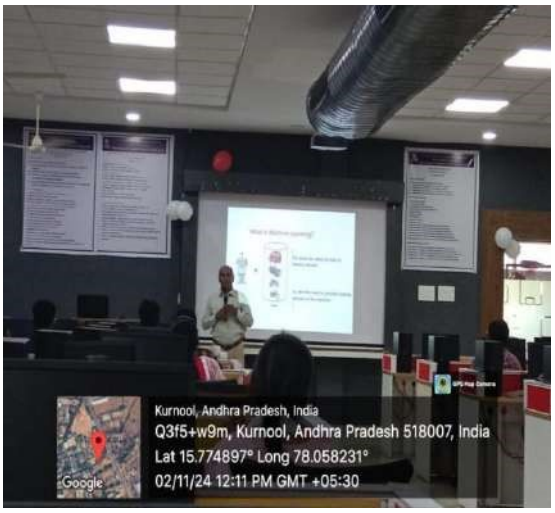
The main objective is to equip participants with core competencies in machine learning using MATLAB, focusing on essential algorithms and data handling. The workshop aims to build practical skills for applying machine learning techniques to real-world problems, enhancing participants' professional capabilities. This workshop also includes the neuronic network and AI, interactive learning experience focused on neuroscience, neurotechnology. The benefits of such a workshop for students can be vast, encompassing academic, personal, and professional development.

Event details:

This workshop is conducted on 02-11-2024 from 010:20 AM to 03:30PM at Incubation center, GPREC. The event took place in offline mode. Resource persons gave lectures to students and interacted with them and made them acquainted with machine learning.

□ Overview of machine learning concepts, types of algorithms, and the role of MATLAB in data





Highlights:

science.

Photos:

(Signature)
IEEE Faculty Advisor
Smt.W.Yasmeen

(Signature)
CAA Convenor
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool
Activity Report of IEEE SB Under CAA Cell

Event Number : CAA/ S.No 10

Name of the CAA Chapter: **GPREC IEEE SENSORS COUNCIL**

Name of the Activity: Demonstration on Smart Agriculture using IOT.

Date & Time of Activity: 15-11-2024 from 3:00PM to 4:30PM

Number of Participants: Total number of students: 11

Details of Faculty/Students Coordinators: Smt. W. Yasmeen, Assistant Professor, ECE.

Chair: Rehana and team.

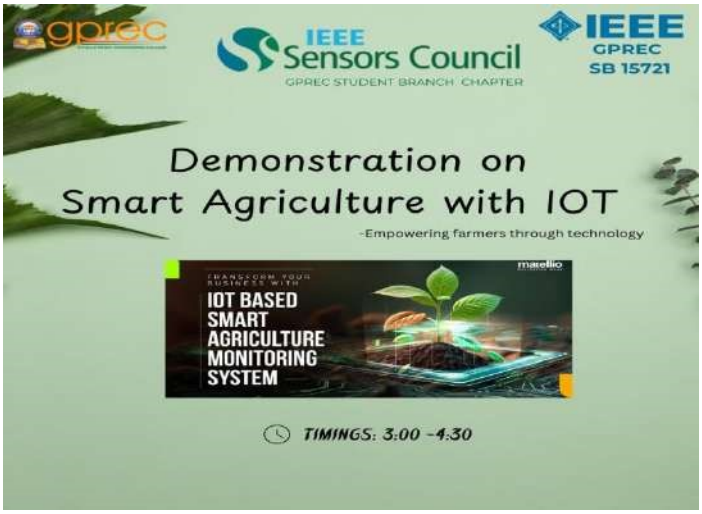
Description of Event:

This Demonstration was primarily organized for the benefit of all department students' community at GPREC.

Objective:

The main objective of this smart agriculture IoT project for students was to provide hands-on experience with IoT technology by demonstrating how real -time data collection could optimize farming. Students learned how IoT sensors monitored environmental factors, leading to efficient resource use and sustainable agric ultural practices. The project encouraged data-driven decision-making, showing how technology could solve real-world challenges in agriculture. It also fostered teamwork, problem-solving, and innovation, preparing students for careers in technology and sustainability.

Snapshots of the Event:



(Signature)
Faculty Advisor
IEEE GPREC SENSORS COUNCIL
W. Yasmeen

(Signature)
CAA Convenor
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College, Kurnool

Department of Computer Science and Engineering

IEEE-COMPUTER SOCIETY

Reports on events for the month of November 2024

The GPREC IEEE-Computer Society Student Branch Chapter conducted

1. IEEE-CS organized anevent Tech Trivia on 8th November 2024 from 3.00 PM to 3.50 PM at CS5.

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No. 9

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Tech Trivia

Date and Time of Activity: 08/11/2024, 1:00PM – 1:50PM

Number of Participants: 23

Details of Faculty Coordinators:K.BalaChowdappa

Objective:

To foster technical knowledge, encourage collaborative learning, and enhance problemsolving skills through an engaging quiz-based activity within the IEEE community.

Description of Event:

Tech Trivia is a knowledge-drivenevent designed to challenge participants' understanding of emerging technologies, engineering concepts, and innovation trends. The event consists of multiple rounds, ranging from basic technical questions to advanced problem-solving challenges. Participants collaborate in teams to answer questions, ensuring an interactive and competitive environment. The event aligns with IEEE's mission by promoting technical excellence and innovation among members.

Outcome: The Tech Trivia event enhances technical knowledge, teamwork, and competitive spirit among participants, fostering a culture of learning and collaboration that supports IEEE's commitment to advancing technology for humanity

(Signature)
Coordinators of IEEE CS
Name: K.Bala Chowdappa

(Signature)
Coordinator of CAA
Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No.
16

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Futuregen Crypto Talks

Date and Time of Activity: 05/11/2024, 03:00PM – 04:30PM

Number of Participants:19

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Student Coordinators: Rama Deekshitha , Tanu Sree
Objective: To explore emerging trends and innovations in next-gen cryptocurrency technologies.

Description of Event:IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Future Gen Crypto Talks" on 05-11-2024.The IEEE event focused on the future of cryptocurrency technologies. Organisers discussed emerging trends, innovations, and the potential impact of blockchain, decentralized finance (DeFi), and digital assets. The event provided valuable insights for enthusiasts and professionals seeking to understand the evolving crypto landscape.The total count of participants was 19.

Photos:

(Signature) (Signature)

Coordinators of IEEE CIS Coordinator of CAA

Name: Dr. K. Ashfaq Ahmed, Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No.
15

Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Knack Challenging

Date and Time of Activity: 07/11/2024, 03:00PM – 04:30PM

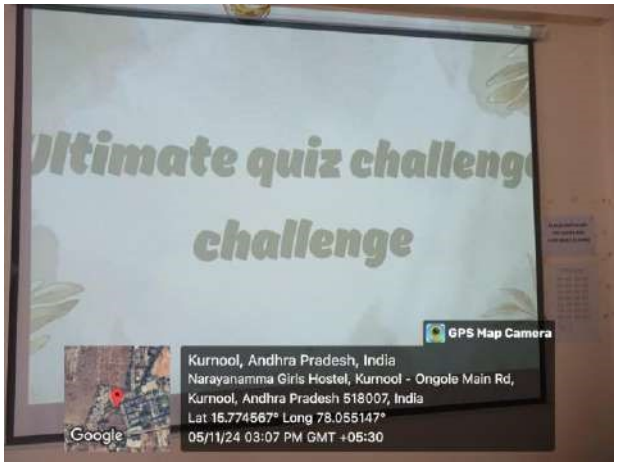
Number of Participants:22

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Student Coordinators: Prabhashini, Pallavi
Objective: To engage participants in friendly competition and enhance knowledge retention.

Description of Event:IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Knapsack Challenging" on 07-11-2024.The IEEE event tested participants problem-solving skills, creativity, and quick thinking. The event featured a series of mind-bending puzzles and challenges designed to push participants' limits. It encouraged collaboration, critical thinking, and innovation, providing a dynamic platform for learning and intellectual engagement. The total count of participants was 22.

Photos:



(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed,

(Signature)

Coordinator of CAA

Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No.
Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: ElevateX

Date and Time of Activity: 12/11/2024, 03:00PM – 04:30PM

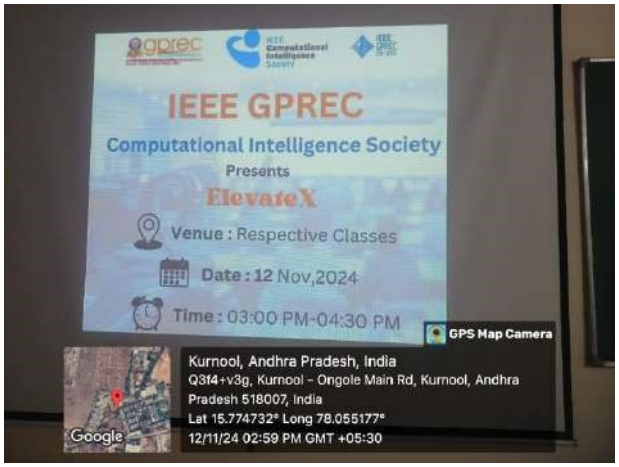
Number of Participants: 40

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Student Coordinators: Honey, Keshava
Objective: To enhance visual literacy and cognitive skills by challenging participants to identify and interpret technical terms through images.

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "ElevateX" on 12-11-2024. The IEEE event, ElevateX, challenged participants to identify technical terms from images, fostering creativity and enhancing visual literacy. By combining critical thinking with image recognition, the event aimed to improve participants' ability to decode complex concepts, sharpen problem-solving skills, and promote innovative approaches to technical language and communication. The total count of participants was 40.

Photos:



(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed,

(Signature)

Coordinator of CAA

Dr. C. Harinatha Reddy

G. Pulla Reddy Engineering College (Autonomous): Kurnool

Activity Report of IEEE CIS (SBC-15721H) under CAA Cell

Event Number: CAA/S.No.
Name of the CAA Chapter: IEEE Computational Intelligence Society (SBC-15721H)

Name of the Activity: Origami

Date and Time of Activity: 14/11/2024, 03:00PM – 04:30PM

Number of Participants: 10

Details of Faculty Coordinators: Dr. K. Ashfaq Ahmed, Mr. U UVeerendra

Student Coordinators: Lakshmi Sreenija
Objective: To promote creativity, problem-solving, and hands-on learning by exploring the art and science of origami.

Description of Event: IEEE-CIS Student's Chapter, Department of ECS, GPREC organized "Origami" on 14-11-2024. The IEEE event Origami focused on exploring the fusion of art, mathematics, and engineering. Participants learned about the geometric principles behind paper folding, its real-world applications in technology and design, and developed creative problem-solving skills. The total count of participants was 10.

Photos:

(Signature)

Coordinators of IEEE CIS

Name: Dr. K. Ashfaq Ahmed,

(Signature)

Coordinator of CAA

Dr. C. Harinatha Reddy

List of activities done under IEEE STB 15721

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B, IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. IEEE SB, PELS, WIE AG & Women's Cell of GPREC organized a A Two Day Women Congress on Swasakthi - "Spark Your Spirit, Shine with Strength!" on 6th -7th December 2024 . Number of participants for the event are 60.
2. IEEE PELS, WIE AG & Women's Cell of GPREC organized an Interactive Session on Period love, Live green by Malini Parmar, FOUNDER, Stone Soup on 7th December 2024 for I B.Tech students. Number of participants for the event are 120
3. IEEE PELS/PES/IAS SBC of GPREC organized a awareness session on IEEE Inspire: Bridging Technology & Talent on 20th December 2024 for II B.Tech EEE students. Number of participants for the event are 49.
4. IEEE PELS/PES/IAS SBC of GPREC organized a talk on Engineer the Future: Alumni Insights on 21th December 2024 for II B.Tech EEE students. Number of participants for the event are 45.
5. IEEE PELS/PES/IAS SBC of GPREC organized an event on Knowledge Knockout on 27th December 2024 for II B.Tech EEE students. Number of participants for the event are 42

Information Theory Society Students Chapter (SBC15721D)

&

IEEE Communications Society Students Chapter (SBC15721)

&

IEEE Microwave Theory and Techniques Students Chapter (SBC15721)

&

IEEE Sensors Council (SBC15721H)

Ni

IEEE Computer Society Students Chapter (SBC15721C)

&

IEEE Computational Intelligent Society Students Chapter (SBC15721H)

Nil

G. Pulla Reddy Engineering College, Kurnool

Department of Computer Science and Engineering

IEEE-COMPUTER SOCIETY

Reports on events in the month of January, 2025

1. IEEE-CS organized an event **'Tech Trolls'** on **8th January, 2025** from 3:30 PM to 4:10 PM at CS - 5.

2. IEEE- CS organized an event **'Tech Trek Live 2.0'** on **10th January, 2025** from 7:00 PM to 7:35 PM, online, over Google Meet.

3. IEEE-CS organized an event **'Challenge Byte'** on **24th January, 2025** from 2:30 PM to 3:10 PM at CS – 3

4. IEEE- CS organized a guest lecture **'IEEE Ignite'** on **25th January, 2025** from 7:00 PM to 7:45 PM, online, over Google Meet.

Event Name: Tech Trolls	
Name of the cell and Forum/society: CAA	
Date: 8th January, 2025	**Event Type:** Infotainment based Session
Venue: CS – 4	**Number of Participants:** 25
Objective: The objective of this event was to encourage the participants their ability to think out of the box and have fun with their creative tinkering. This session aimed to close the gap between Tech and Fun with valuable and infotainment-based interactions that redefine the limitations often associated with conservative views on Tech.	

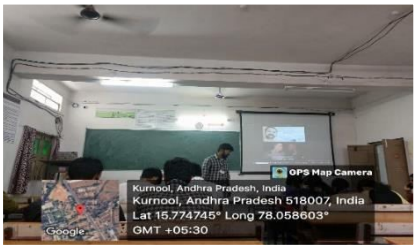
Description:

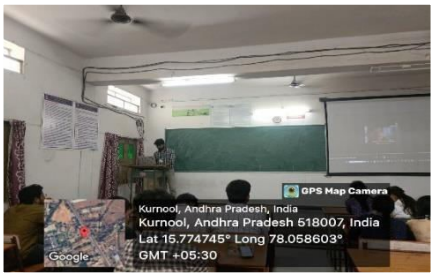
Tech Trolls was an interactive infotainment-based event aimed to blend technology with humor, participants were given challenges to make humor out of technologies like coding languages, tech meme discussions among the student community and etc. Thus having the opportunity to explore various tech-trends while enjoying the session.

Outcome:

Participants that took part in this event actively engaged in the session, showcasing enthusiasm about the fun snippets regarding computer technologies. The session successfully displayed that Tech and Trolls can be placed in the same boat.

Photos





Event Name: Tech Trek Live 2.0	
Name of the cell and Forum/society: CAA	
Date: 10th January, 2025	**Event Type:** Interactive Online Session
Venue: Online (Google Meet)	**Number of Participants:** 25

Objective:

The objective of this event was to encourage the participants their ability to think critically for being able to participate in this session for a debate and group discussions on technical topics and their ethics, surrounding topics like traditional computational systems of data.

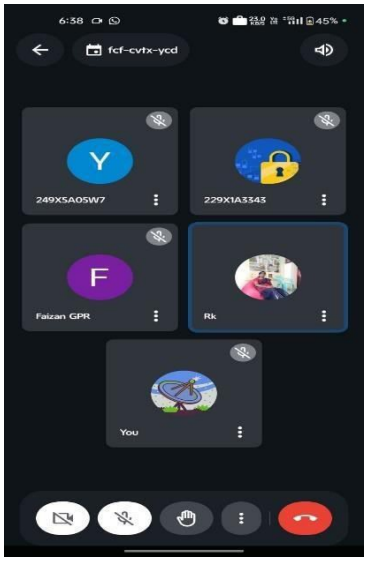
Description:

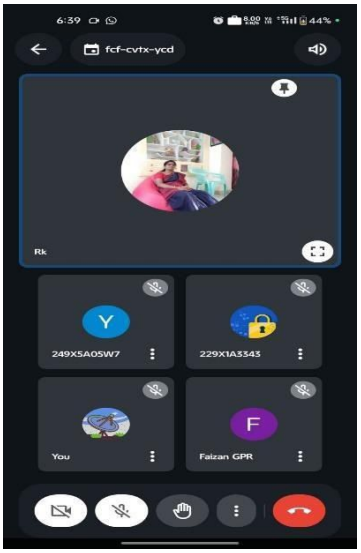
Tech Trek Live 2.0 was an interactive online session where students were provided with a platform to voice their thoughts and unique perspectives through debates and group discussions.

Outcome:

Participants that took part in this event actively engaged in the session, displaying their zeal about the topics regarding computer technologies. The session succeeded in engaging the participants with thought-provoking topics on computer technologies and their ethics in the future of humans.

Photos





Event Name: Challenge Byte

Name of the cell and Forum/society: CAA

Date: 24th January, 2025	**Event Type:** Technical
Venue: CS - 3	**Number of Participants:** 45

Objective:

The objective of this event was to challenge students with their logical thinking skills by displaying logical programming-based questions typically on C and Java

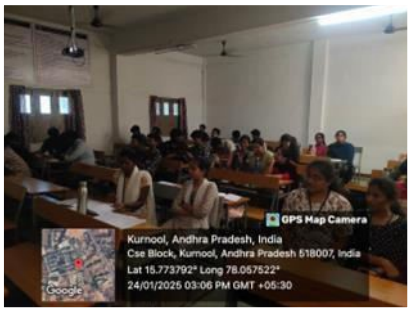
Description:

After participants received a warm-welcome by the host they were seated in their spots, soon after the event began, while the host posted the questions, the participants displayed their zeal into solving them.

Outcome:

Participants that took part in this event were actively engaged, displaying their enthusiasm about solving the given questions logically. The event successfully portrayed the energy of students to solve the questions, promoting their logical thinking abilities.

Photos



Event Name: IEEE Ignite

Name of the cell and Forum/society: CAA

Date: 25th January, 2025	**Event Type: Guest Lecture**
Venue: Online (Google Meet)	**Number of Participants: 40**

Objective:

The objective of this event was to create and bring awareness of IEEE, its benefits in a student's career and explore the research aspirations among students through an interactive online session over Google Meet.

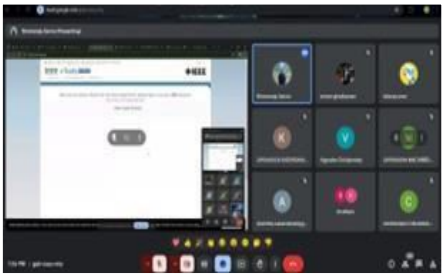
Description:

IEEE Ignite was an interactive online session where students were invited to receive about awareness on IEEE and its benefits.

Outcome:

Participants that took part in this event successfully received substantial awareness about IEEE and the societies within. The participants had a chance to explore their questions and research aspirations about IEEE alongside a professional speaker for this session.

Photos

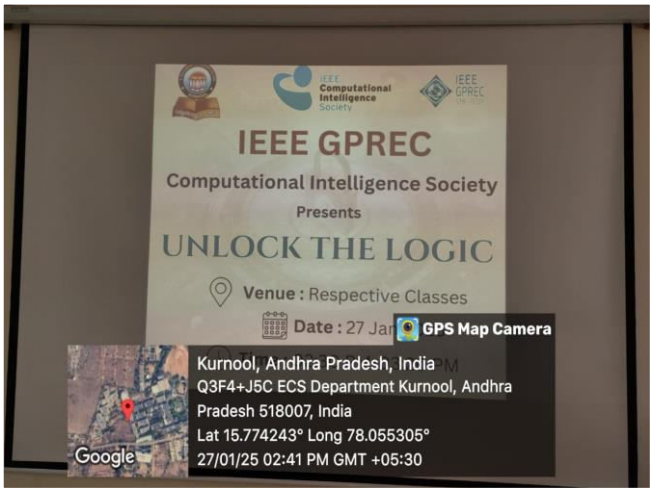
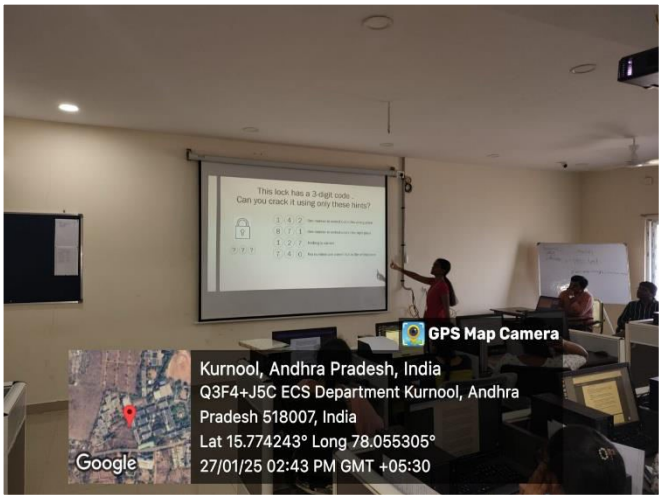


IEEE Computational Intelligent Society Students Chapter (SBC15721H)

5. The GPREC IEEE CIS SBC conducted an event "Code Craft" on 6th January 2025. The objective is to demonstrate participant's knowledge of Java programming. The number of participants is 130.
6. The GPREC IEEE CIS SBC conducted an event "Unlock the Logic" on 27th January 2025. The objective is To enhance logical reasoning and problem-solving skills through an interactive puzzle challenge.. The number of participants is 97.

Event Name: Code Craft	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	IEEE Computational Intelligence Society (SBC-15721H)
Date:06/01/2025	**Event Type:Quiz**
Venue:ECS LH-2 & ECS LH-5	**Number of Participants: 130**
Objective:Demonstrate participant's knowledge of Java programming	
Highlights:	
Outcome:Foster learning, competition, and skill enhancement among participants	
Photos	

Event Name: Unlock the logic	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	IEEE Computational Intelligence Society (SBC15721H)
Date:27/01/2025	**Event Type:L**ogical reasoning and problem-solving
Venue:ECS Lab-3	**Number of Participants: 97**

Objective: To enhance logical reasoning and problem-solving skills through an interactive puzzle challenge.	
Highlights:	
Outcome: Enhancing problem-solving and critical thinking skills	
Photos	
	

G Pulla Reddy Engineering College (Autonomous): Kurnool

IEI Student Branch Activities for February 2025

1. Details of Activities conducted

- IEI Student Branch, Department of CSE, organized **DECRYPT** on **10-022025**from 2.30 pm to 3.20 pm. Number of students who participated in the event was 53.

- IEI Student Branch, Department of CSE, organized **BrainStrom** on **10-022025**from 2.30 pm to 3.20 pm. Number of students who participated in the event was 55.

- IEI Student Branch, Department of CSE, organized the **Brain Stormers**on **1402-2025**from 2.30 pm to 3.20 pm. Number of students who participated in the event was 52.

- IEI Student Branch, Department of CSE, organized the **Word relay**on **24-022025**from 2.30 pm to 3.20 pm. Number of students who participated in the event was 40.

- IEI Student Branch, Department of CSE, organized the **Image Explorer** on **24-02-2025**from 2.30 pm to 3.20 pm. Number of students who participated in the event was 54.

Event Name: DECRYPT	
Name of the cell and Forum/society: CAA	
Date:10th February, 2025	**Event Type:Technical**
Venue:E-Class Room	**Number of Participants: 53**
Objective: The event aims to improve the logical thinking abi lity of the students. It checks the participant's logical	

thinking of the participants under competitive envir nment.

Highlights:

Event involved active participation of the attendees. Participants showed great enthusiasm towards solving the coding problems.This enthusiasm was reflecte l in the way participants approached each task with a proactive mindset, tackling complex coding problems with determination and curiosity. Many participants were seen discussing different approaches.

Outcome:

Participants showcased significant improvements in their coding and analytical abilities by tackling complex problems with innovative approaches.Th e enthusiasm displayed during the event reflected a renewed interest and passion for coding among attndees, inspiring them to further explore programming and algorithmic problem-solving.

P otos

Signature of Event Organizer

Event Name: BrainStrom	
Name of the cell :CAA	
Date:10-02-2025	**Event Type: Technical Type**
Venue:CS-1	**Number of Participants:55**

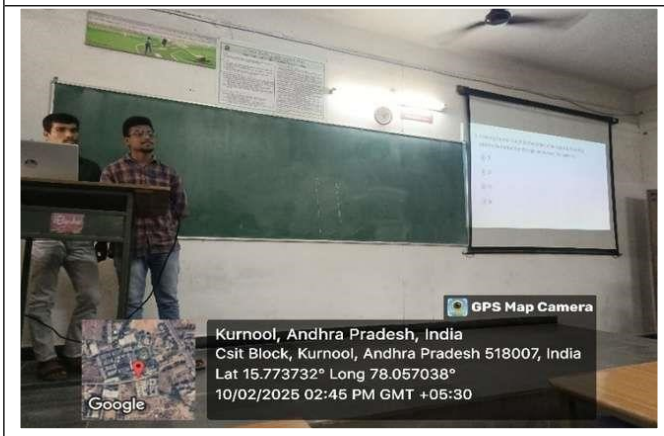
Objective:

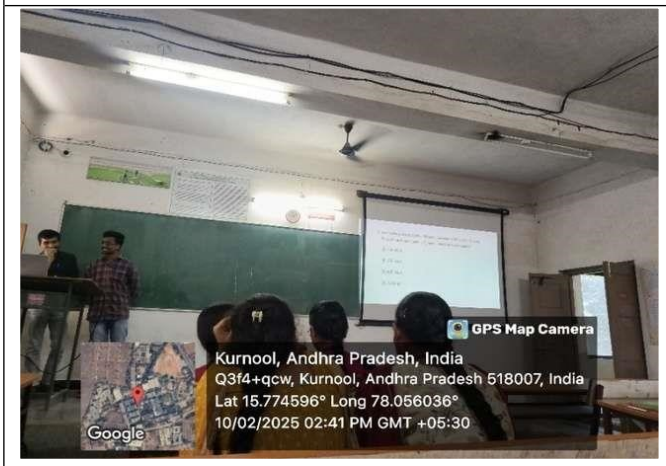
The objective of this event is to bring knowledge assessment among the participants and build active participation among them and to promote healthy competition, learning enforcement and team coordination and this event also leads to enhancement of critical and logical thinking and came to know new things.

Highlights: Clear rules and instructions that ensure a smooth and fair competition among them. The both girls and boys teams stood as a winners in the quiz competition. Some of the questions related to reasoning and aptitude questions brings the active participation and happy learning opportunities among them.

Outcome:
Developed winning spirit among the participants and developed confidence, Better decision making and enhanced analytical skills participants improved their cognitive ability, academic, attention and professional performance enabling them to tackle complex challenges and arrive at creative solutions.

Photos





Signature of Event Organizer

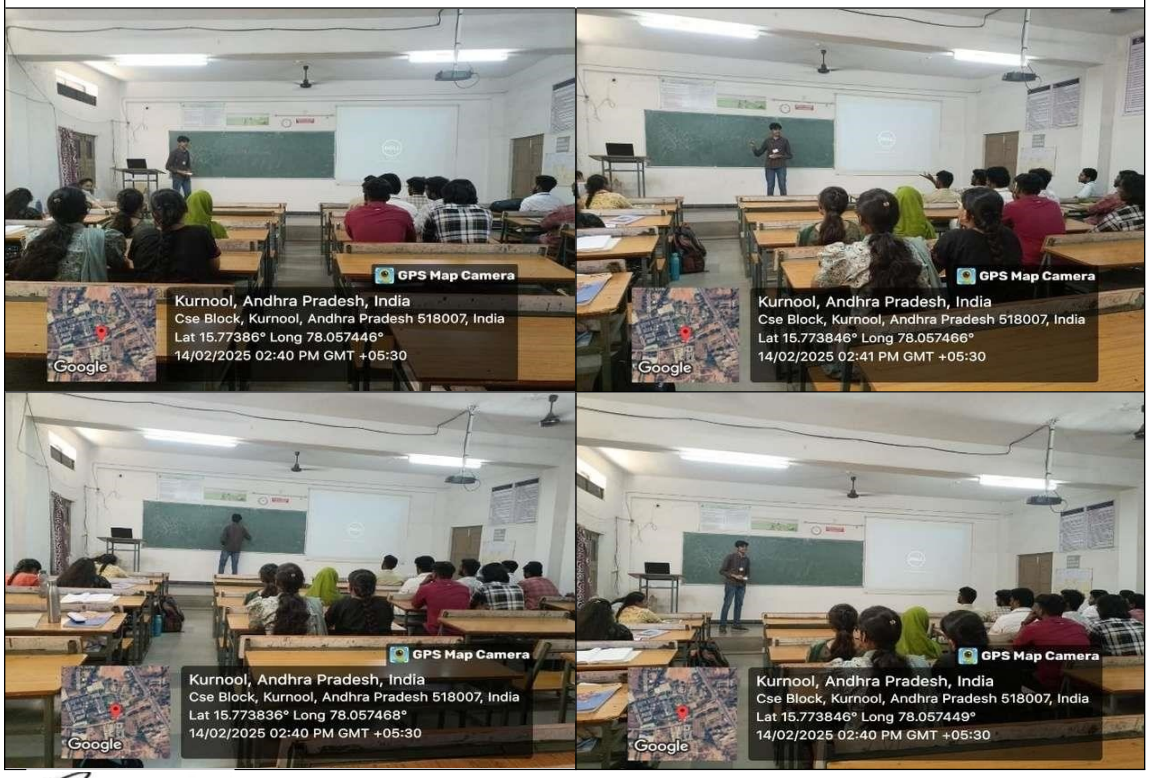
Event Name: Brain Stormers	
Name of the cell : CAA	
Date:14-02-2025	**Event Type: Technical Type**
Venue:CS-3	**Number of Participants:52**

Objective:
The objective of the event was to provide participants with a comprehensive understanding of AI, focusing on neural networks and the processes behind image, voice, and text recognition. The session aimed to bridge the gap between theoretical knowledge and real-world applications, helping attendees grasp AI's impact in various fields. Additionally, an engaging word-guessing activity was conducted to enhance learning through interactive fun.

Highlights:
The event covered key AI concepts, including neural networks and the working mechanisms of image, voice, and text recognition. Experts provided insights into realworld applications, making complex topics more accessible. The event successfully combined learning and entertainment, leaving attendees with a deeper understanding of AI.

Outcome:
The event successfully enhanced participants' understanding of AI, particularly neural networks and recognition technologies. Attendees gained insights into real-world applications of image, voice, and text recognition, bridging the gap between theory and practice. The interactive sessions and expert discussions helped clarify complex AI concepts.

Photos



Signature of Event Organizer

Event Name: Word relay	
Name of the cell: CAA	
Date:24-02-2025	**Event Type:Technical Type**

Venue:CS-1	Number of Participants:40

Objective:
The objective of this event is to bring knowledge as sessment among the participants and build active participation among them. And to develop a he ılthy competition, spirit among them so that they have more focus, strategies how to win the gaıe and enhancement of team co-ordination, thinking capability among participants.

Highlights:
The main highlight of the event is live participation o f the students on the board by writing some phrases with the help of few characters given by co-or linators. Girls team stood as winners in both the round with less difference in score. Both the teams gave their best in 2 rounds. Most of them are participated in event.

Outcome:
The outcome of this word relay event is they got to know all the past things quickly for their game. The team need to complete the word rela ' in the shortest amount of time that is 45sec.Teams that demonstrates effective communicatıon and coordination between team members should be recognised carefully to get easy score.

Photos

Signature of Event Organizer

Event Name: Image Explorer	
Name of the cell: CAA	
Date:24-01-2025	Event Type: Technical Type

Venue: CS-E class room	Number of Participants: 54

Objective:.Theobjectiveofthiseventistoengag participantsinafunandinteractive activity that challenges their knowledge of technical ter s and concepts. By guessing technical words based on visual clues and images, participa nts will not only test their understanding of various fields but also enhance their problem-solving skills in an enjoyable and educational setting.

Highlights: The highlights of the "Image Ex plorer":The event covers a wide variety of categories, including technical terms, histori cal facts, and general knowledge, ensuring a well-roundedchallengeforparticipantswithdiverseinterests.Participantswillengageinan exciting guessing game where they match w rds or facts with images, making learning Through visuals both entertaining and infor ative.

Outcome:
These outcomes of the event is the Participants will leave with a broader understanding of diverse topics, including technical terms, historical events, and general knowledge, having learned new facts and concepts during the event.

Photos

Signature of Event Organizer

1. Details of Activities conducted

- CSI Student Branch, Department of CSE, organized the Bug Bashon 27th January, 2025. Number of students who participated in the event is 69.
- CSI Student Branch, Department of CSE, organized Coding Contest in C on28thJanuary, 2025. Number of students who participated in the events is 65.
- CSI Student Branch, Department of CSE, organized TechXplore on 10thFebruary,2025. Number of students who participated in the events is 55.
- CSI Student Branch, Department of CSE, organized Bug Buster on 24thFebruary, 2025. Number of students who participated in the events is 37.
- CSI Student Branch, Department of ECS, organized the Logic Build on 25thFebruary, 2025. Number of students who participated in the event is 37.

Event Name: Logic Build	
Name of the cell (EAA/NSS/VSC/CAA)	CSI student branch (CAA)
Date:25-02-2025	**Event Type:** TECHNICAL
Venue: ECS LH-5	**Number of Participants:**37
Objective: Logic Build is a session to get students familiar with all the different ways to analyze and understand various coding problems and identify the correct solution sets.	
Highlights: Developing logical thinking and building codes in a competitive environment.	
Outcome: Students were able to get familiar with all the different ways to analyze and understand various coding problems and identify the correct solution sets and hence helped in building interest in students to once again delve into the roots of skillful coding.	
Photos	

Event Name: Bug Bash	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI student branch (CAA)**
Date: 27/01/2025	**Event Type: TECHNICAL**
Venue:CSE-3	**Number of Participants: 69**
Objective: To make students identify, locate, and fix errors, defects, or bugs in the code to ensure it runs correctly, efficiently, and as intended.	

Highlights:
1. Error Detection: Identify and detect errors, bugs, or efects in the code.
2. Code Review : Thoroughly examine the code to understand its logic and functionality.
3. Root cause Analysis: Determine the underlying cause of the error or bug.

Outcome:
"Bug Bash" activity that make the code more understandable and recognizable to students. Students develop a deeper understanding of programming concepts, code structure, and problem-solving strategies

Photos

Event Name : Coding Contest in C	
Name of the cell: (EAA/NSS/VSC/CAA)	**CSI student branch (CAA)**
Date: 28/01/2025	**Event Type: Technical**
Venue: E classroom	**Number of Participants: 65**

Objective:
The objective of this event is to let students implement their programming knowledge to escape the room and to enhance their mind by including brain storming sessions. Embarking on a quest to solve coding and memory challenges unlocking doors to freedom.

Highlights: The highlight of this event was more number of participants and their active participation in unlocking levels of the event to escape the room on a faster rate.
Outcome: The outcome of this event was active participation and knowledge on programming languages and improving teamwork among themselves.
Photos

Event Name : TechXplore	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI STUDENT BRANCH - CAA**
Date:10/02/2025	**Event Type: Technical**
Venue: CSE 3	**Number of Participants: 55**
Objective: To inspire participants to push the boundaries of their technical abilities, foster networking, and spark new ideas in the evolving digital landscape.	
Highlights: It combined technical learning and networking opportunities, making byteHack an engaging tech Event.	
Outcome: Active participation and knowledge gaining.	
Photos	

Event Name : Bug Busters	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI STUDENT BRANCH - CAA**
Date:24/02/2025	**Event Type: Technical**
Venue: CSE 3	**Number of Participants:37**
Objective: The objective of the participants to identify , debug, and fix programming errors in real time, enhancing their problem solving and coding skills.	
Highlights: It created an exciting, educational, and competitive environment where participants improve their skills while having fun.	
Outcome: Active participation and knowledge gaining.	
Photos	

GPS Map Camera
Kurnool, Andhra Pradesh, India
Cse Block, Kurnool, Andhra Pradesh 518007, India
Lat 15.773856° Long 78.05756°
24/02/2025 02:43 PM GMT +05:30
Google

GPS Map Camera
Kurnool, Andhra Pradesh, India
Cse Block, Kurnool, Andhra Pradesh 518007, India
Lat 15.773842° Long 78.05752°
24/02/2025 02:43 PM GMT +05:30
Google

GPS Map Camera
Kurnool, Andhra Pradesh, India
Cse Block, Kurnool, Andhra Pradesh 518007, India
Lat 15.773843° Long 78.057522°
24/02/2025 02:43 PM GMT +05:30
Google

GPS Map Camera
Kurnool, Andhra Pradesh, India
Cse Block, Kurnool, Andhra Pradesh 518007, India
Lat 15.773858° Long 78.057542°
24/02/2025 02:43 PM GMT +05:30
Google

G PULLA REDDY ENGINEERING COLLEGE(Autonomous):KURNOOL
IEEE GPREC SB
List of Student Activities conducted in the month of February- 2025

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B,
IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. IEEE SB, PELS SBC & WIE AG of GPREC organized A One Day Student Congress on ANOKHA 6.0 -Accelerate Action on 1st Feb 2025 for I B.Tech students. Number of participants for the event are 316.

2. IEEE PELS/PES/IAS SBC of GPREC organized an Expert Talk on Stress Management by Kanaka SindhuNataraj Counselor and Life skills trainer on 1st Feb 2025 for II B.Tech EEE students. Number of participants for the event are 89.
3. IEEE PELS/PES/IAS SBC of GPREC organized A session on Lines of Imagination: Unleashing the Artist Within by Smt.Suja Warrior, Director – Academia, Wequity – Women in Technology| Ex- Infosys &AmeyaWarriar, Student, RV University & Facilitator for employee engagement programs on 1st Feb 2025 for II B.Tech EEE students. Number of participants for the event are 43

4. IEEE PELS/PES/IAS SBC of GPREC organized SUNSPARK SAFARI – Industrial Visit to Ultra Mega Solar Park, Gani on 15th Feb 2025 for II B.Tech EEE students. Number of participants for the event are 100.

5. GPREC IEEE WIE organized an event on "Gender Equality" during 1st February 2025. The Resource Person is Ms. Nisha Atey, the Practice Lead for Diversity, Equity & Inclusion at Infosys Ltd Bangalore. Total number of participants is 150(IEEE-30 and Non IEEE-120)

Event Name:A One Day Student Congress on ANOKHA 6.0 -Accelerate Action	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE SB,PELS, WIE AG & Women's Cell**
Date:1st Feb 2025 **Time:9:00AM – 5:00 PM**	**Event Type:Technical**
Venue:Auditorium	**Number of Participants:316**
Objective: The main objective of this congress is to motivate the students especially first B. Tech undergraduate students of G. Pulla Reddy Engineering College, Kurnool organized by GPREC IEEE SB in association with PELS SBC & WIE AG.	

Description:
The first session was started with **Smt. Suja warrior** on Nature's Blueprint. She explained about Bees,birds, butterflies, and bats how they play crucial roles in pollination and pest control, while elephants, ants, earthworms, and squirrels contribute to forest and soil health. Second session was by **NishaAthey** on Gender equality where she ensures equal rights,

opportunities, and treatment for all, reducing poverty and promoting well being. Workplaces can support it by closing the pay gap and sponsoring girls' education, while families should share responsibilities equally.

Then the third session was handled by **Smt KavithaVejju**. She dealt withArtificial Intelligence is the ability to apply acquired knowledge, whileAI enables machines to make decisions based on their data.AI applications include chatbots, co-pilots, ChatGPT, GPT-4, and robotics. Later the session was by **AmeyaWarrior**. She did activities with "Lines of Imagination – Unleashing theArtist Within" is a creative initiative designed to inspire selfexpression through art. It encourages individuals to explore their artistic potential by breaking conventional boundaries.Finally the session was taken by **Sindhu Natraj.** She covered "The Mindful Generation: Youth and Emotional Resilience " highlights the importance of mindfulness in helping young people manage stress and adapt to challenges.

Outcome:	The students were able to know the

Photos

Event Name: Expert Talk on Stress Managementby Kanaka Sindhu Nataraj, Counselor and Life skills trainer	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS/PES/IAS**
Date:1st Feb 2025 **Time:2:00 PM – 3:00 PM**	**Event Type:Non - Technical**
Venue:EEE e - Class Room	**Number of Participants:43**

Objective:

To make the students to identify the sourc es of stress in their life. It might be exams, deadlines, relationships, or even daily routines. Once they know what's causing their stress, they can start to address it more effectively.

Description:
An expert talk on Stress management isorg nised for II B.Tech EEE students by Kanaka Sindhu Nataraj, Counselor and Life skills tr ainer. She said that stress a part of life, and learning to manage it effectively can make all the difference. She also explained the effective stress management techniques.Finally she con luded developing resilience involves nurturing a positive mindset, maintaining strong soci l connections, and embracing challenges as opportunities for growth.

Outcome:
The students got inspired by the students. The y understood that stress is a part of life, but it doesn't have to dominate their life. By re ognizing stressors, adopting healthy coping strategies, and building resilience, they can m anage stress effectively. Believe in themselves and take proactive steps towards a balanced an fulfilling life.

Ph tos

Event Name:A session on Lines of Imagination: Unleashing the Artist Within by Smt.SujaWarrior,Director – Academia, Wequity – Women in Technology| Ex-Infosys&Ameya Warriar,Student,RV University & Facilitator for employee engagement programs

Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS/PES/IAS**
Date:1st Feb 2025 **Time:11:00AM – 12:30 PM**	**Event Type:Non - Technical**
Venue:EEE Class Room - 1	**Number of Participants:43**

Objective:
To make the students understand imaginatio n is the spark that ignites creativity. It's the

ability to dream, to see the world not just as it is, but as it could be. Every great invention, piece of art, or groundbreaking idea began as a flicker of imagination in someone's mind.

Description:

A session on Lines of Imagination: Unleashing the Artist Withinwas organised for II B.Tech EEE students. In the session they discussed about express yourselfwhether it's through painting, writing, music, or any other medium, find a way to express your inner thoughts and emotions. Your unique perspective is valuable and worth sharing. Mindfulness helps you stay present and aware, allowing your thoughts to flow freely. Techniques like meditation and journaling can help you tap into your subconscious mind.They also said to dedicate time each day to engage in creative activities.

Outcome:

The students got inspired by the session which made them understood that imagination is the gateway to endless possibilities. By nurturing their creativity, embracing curiosity, and expressing themself fearlessly, they can unlock the artist within and make themselves mark on the world.

Photos

Event Name:SUNSPARK SAFARI – Industrial Visit to Ultra Mega Solar Park, Gani

Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS/PES/IAS**
Date:15th Feb 2025 **Time:10:00AM – 3:00 PM**	**Event Type:Technical**
Venue:	**Number of Participants:100**

Objective:

The primary objective of the industrial visit from Pulla Reddy Engineering College to the Ultra Mega Solar Park, Ganiwith a capacity of 1000 MWis to understand the large-scale solar power generation process. To learn about the technology and infrastructure involved in solar power plants.To observe the operations and maintenance practices at the solar park.

Description:
The Kurnool Solar Park is spread over a total area of 24 km^2 (9.3 sq mi) in the Gani and Sakunala villages of Kurnool district.The region is arid. The park utilizes over 4 million solar panels with capacities of 315 and 320 watts. The panels are connected to four 220/33 kV pooling stations of 250 MW each and a 400/220 kV grid substation through nearly 2,000 circuit kilometres (1,200 mi) of cables. During a sunny day, the Kurnool Solar Park is able to generate more than 8 GW h of electricity, which is sufficient to meet virtually the entire electricity demand in Kurnool district Environmental Impact: The solar park significantly contributes to reducing carbon emissions and promoting renewable energy in the region.
Learning Outcomes

- Technology: Understanding the types of solar panels used and their efficiency.
- Operations: Observing the daily operations and maintenance activities carried out by the staff.
- Challenges: Learning about the challenges faced during the construction and operation of such a large-scale project.

Outcome: Industrial tour to the Ultra Mega Solar Park, Ganiprovided valuable insights into the functioning of a large-scale solar power plant. It also provided students with invaluable practical exposure to real-world applications of electrical engineering concepts. It served as a platform for bridging the gap between theoretical knowledge and practical implementation. It highlighted the importance of renewable energy and the role of technology in achieving sustainable development.

Photos

Event Name: Gender Equality	
Name of the cell and Forum/society(EAA/NSS/VSC/CAA):IEEE-WIE	
Date:01/02/2025	**Event Type:** Women Empowerment
Venue: SeminarGallery1	**NumberofParticipants:**150 IEEE: 30 Non-IEEE:120
Objective: To promote awareness, inspiration, and empower women by highlighting their significance and fostering gender equality in all spheres.	
Highlights: The IEEE WIE Student Chapter of G. Pulla Reddy Engineering College conducted an event on Gender Equality on 01-02-2025. The Resource Person ,Ms. Nisha Atey, the Practice Lead for Diversity, Equity & Inclusion at Infosys Ltd Bangalore, inspired attendees with her insights on promoting gender equality in both the workplace and society.	
Outcome: Students who attended this event would gain an understanding of gender equality between men and women in the workplace. They also learnt the importance of respecting women in society and the workplace.	
Photos	

GPULLAREDDYENGINEERINGCOLLEGE(Autonomous):KURNOOL

IEEE GPREC SB

IEEE GPREC IT SOCIETY

Report on eventsconductedinthemonthofFebruary2025

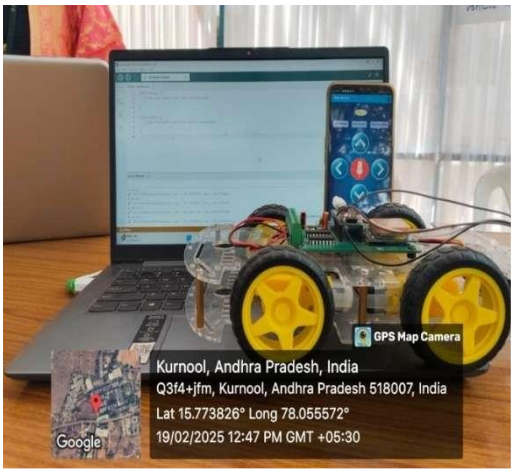
1. IEEE GPREC IT SOCIETY conducted an **administrative meeting** on 11th February 2025 in VLSI lab, ECE Dept. The number of IEEE Execom members are 28.

2. IEEEGPRECIT SOCIETY organizedanevent Project Demonstration on**"Landmines Detecting Robotic Vehicle with GPS Positioning."** on17th,18th,19thFebruary2025.The numberofparticipants is 60.

G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

Event Name: Administrative Meeting	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA–IEEEIT SOCIETY**
Date:11-02-2025	**EventType: Meeting with IEEE student members**
Venue:VLSI LAB	**NumberofParticipants:28**
Objective: The objective of the IEEE admin meeting was to coordinate organizational tasks, plan upcoming events, and discuss resource allocation and membership engagement. It aimed to ensure smooth operations and alignment with IEEE goals. Additionally, it focused on reviewing past activities and setting strategic directions for future initiatives.	
Description of theevent : Members discussed strategies for increasing membership engagement and improving operations. Additionally, past activities were evaluated, and future initiatives were outlined to align with IEEE's goals.	
Outcome: It included finalized plans for upcoming events and improved resource allocation strategies. Membership engagement initiatives were strengthened, and key tasks were delegated to ensure smooth operations. Additionally, the team set clear goals for future initiatives and improvements.	
Photos	

G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

EventName:ProjectDemonstrationOnLandmines Detecting Robotic Vehicle With Gps Positioning	
NameofthecellandForum/society (EAA/NSS/VSC/CAA)	**CAA–IEEEIT SOCIETY**
Date:17-02-2025	**EventType:ProjectDemonstration**
Venue:ECEBlock 1	**NumberofParticipants:60**
Objective: The main objective of thi ; event is to showcase innovative ideas and technological advancements across va rious domains. It provides a platform for studentsandprofessionalstopresenttheirprojects,fosteringcreativity,knowledgesharing,andcollaboration.	
Description oftheevent: Asa Jubileecelebrationsat Vignanamela4.0,our students presented a live demonstration of a **andmines Detecting Robotic Vehicle with GPS positioning.**showcasinginnovationandtechnologicalexcellence.	
Outcome: The event o think creatively and develop innovative solutions to real- ed a deeper understanding of engineering concepts through hands-on projects.Motivatedttendees and younger students to take an interest in engineering and technology.	
Photos	
	

G. PULLAREDDYENGINEERINGCOLLEGE(Autonomous):KURNOOL

IEEE GPREC SB

IEEEGPRECMTTSOC

Reporton eventsconductedinthemonthofFebruary2025

1. IEEE GPREC MTT SOC conducted an **administrative meeting** on 11th February 2025 in VLSI lab, ECE Dept. The number of IEEE Execom members are 28.

2. IEEEGPRECMTTSOC organizedanevent Project Demonstration on**"AIBasedObjectRecognitionandTrackingwithSpeakout"** on17th,18th,19thFebruary2025.The

G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

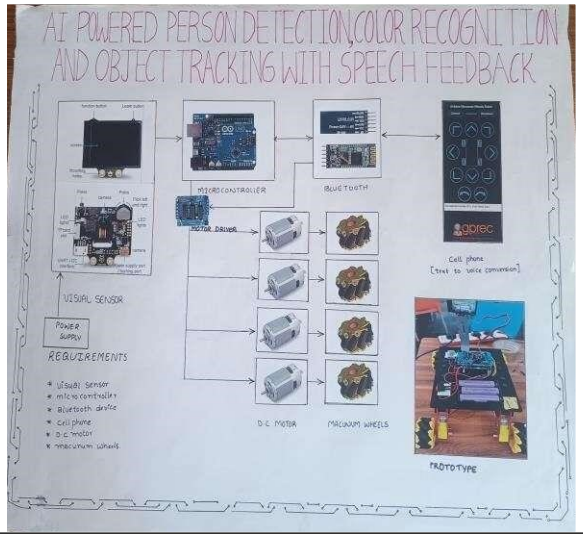
numberofparticipants are50.

EventName:Administrative Meeting	
NameofthecellandForum/society (EAA/NSS/VSC/CAA)	**CAA–IEEEMTTSOC**
Date:11-02-2025	**EventType:Meeting with IEEE student members**
Venue:VLSI LAB	**NumberofParticipants:28**
Objective: The objective of the IEEE admin meeting was to coordinate organizational tasks, plan upcoming events, and discuss resource allocation and membership engagement. It aimed to ensure smooth operations and alignment with IEEE goals. Additionally, it focused on reviewing past activities and setting strategic directions for future initiatives.	
Description of theevent: Members discussed strategies for increasing membership engagement and improving operations. Additionally, past activities were evaluated, and future initiatives were outlined to align with IEEE's goals.	
Outcome: It included finalized plans for upcoming events and improved resource allocation strategies. Membership engagement initiatives were strengthened, and key tasks were delegated to ensure smooth operations. Additionally, the team set clear goals for future initiatives and improvements.	
Photos	

G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

EventName:ProjectdemonstrationonAIBasedObjectRecognitionandTrackingwithSpeakout	
NameofthecellandForum/society (EAA/NSS/VSC/CAA)	**CAA–IEEEMTTSOC**
Date:17-02-2025	**EventType:ProjectDemonstration**
Venue:ECEBlock 1	**NumberofParticipants:50**
Objective: The main objective of th s event is to showcase innovative ideas and technological advancements across v arious domains. It provides a platform for studentsandprofessionalstopresenttheirpr ojects,fosteringcreativity,knowledgesharing,and collaboration.	
Description of the event: As a e Ruby Jubilee celebrations at Vignanamela4.0,our students presented a live demonstration of **AI Based Object Recognition and Tracking with Speak out**, showcasing innovation a d technological excellence	
Outcome: The event o think creatively and develop innovative solutions to real-world problems. Students gaineda deeper understanding of engineering concepts through hands-on projects.	
Photos	

GPS Map Camera
Kurnool, Andhra Pradesh, India
Q3f4+jfm, Kurnool, Andhra Pradesh 518007, India
Lat 15.773697° Long 78.055609°
19/02/25 11:57 AM GMT +05:30
Google


AI POWERED PERSON DETECTION,COLOR RECOGNITION AND OBJECT TRACKING WITH SPEECH FEEDBACK
MICROCONTROLLER
BLUETOOTH
MOTOR DRIVER
Cell phone
[text to voice conversion]
VISUAL SENSOR
POWER SUPPLY
REQUIREMENTS
* Visual sensor
* micro controller
* Bluetooth device
* Cell phone
* D.C motor
* mecanum wheels
D.C MOTOR
MECANUM WHEELS
PROTOTYPE

IEEE GPREC COMSOC
Report on events conducted in the month of February2025

1. IEEE GPREC COMSOC conducted an **administrative meeting** on 11th February 2025 in VLSI lab, ECE Dept. The number of IEEE Execom members are 28.

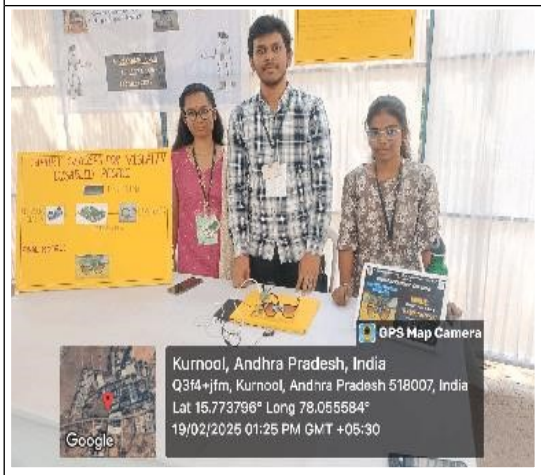
2. IEEEGPRECCOMSOC organizedanevent Project Demonstration on **"Smart Glasses for Visually Disabled People"** on17th,18th,19thFebruary2025.The number of participants is 50.

G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

EventName:Administrative Meeting	
NameofthecellandForum/society (EAA/NSS/VSC/CAA)	**CAA–IEEECOMSOC**
Date:11-02-2025	**EventType:Meeting with IEEE student members**
Venue:VLSI LAB	**NumberofParticipants:28**
Objective: The objective of the IEEE admin meeting was to coordinate organizational tasks, plan upcoming events, and discuss resource allocation and membership engagement. It aimed to ensure smooth operations and alignment with IEEE goals. Additionally, it focused on reviewing past activities and setting strategic directions for future initiatives.	
Description of the event: Members discussed strategies for increasing membership engagement and improving operations. Additionally, past activities were evaluated, and future initiatives were outlined to align with IEEE's goals.	
Outcome: It included finalized plans for upcoming events and improved resource allocation strategies. Membership engagement initiatives were strengthened, and key tasks were delegated to ensure smooth operations. Additionally, the team set clear goals for future initiatives and improvements.	
Photos	

G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

Event Name: Project demonstration on Smart Glasses for Visually Disabled People

Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA–IEEECOMSOC**
Date:17-02-2025	**Event Type: Project Demonstration**
Venue:ECEBlock 1	**NumberofParticipants:50**
Objective: The main objective of th s event is to showcase innovative ideas and technological advancements across v arious domains. It provides a platform for studentsandprofessionalstopresenttheirpr ojects,fosteringcreativity,knowledgesharing,and collaboration.	
Description of the event: e Ruby Jubilee celebrations at Vignanamela4.0,our students presented a live demonstration of **Smart Glasses for Visually Disabled People**, showcasing innovation and technological excellence	
Outcome: The event o think creatively and develop innovative solutions to real-world problems. Students gaineda deeper understanding of engineering concepts through hands-on projects.	
Photos	
	

G PULLA REDDY ENGINEERING COLLEGE(Autonomous):KURNOOL
IEEE GPREC SB
IEEEGPRECSENSORS COUNCIL
Report on eventsconductedinthemonthofFebruary2025

1. IEEE GPREC SENSORS COUNCIL conducted an **administrative meeting** on 11th February 2025 in VLSI lab, ECE Dept. The number of IEEE Execom members are 28.

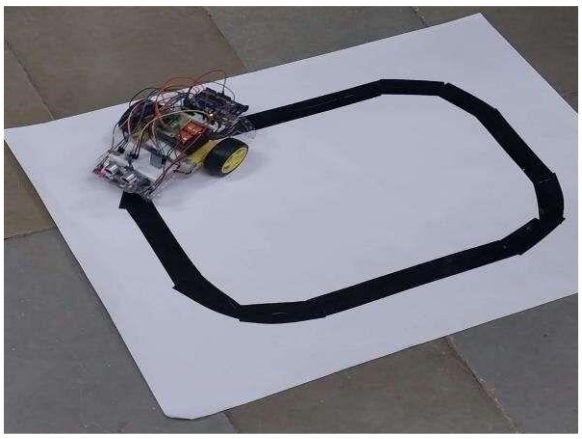
2. IEEEGPRECSENSORSCOUNCIL organizedanevent Project Demonstration on**"VOICE CONTROLLED ROBOTIC CAR FOR VARIOUS APPLICATIONS"** on17th,18th,19th February2025.The number of participants is32.

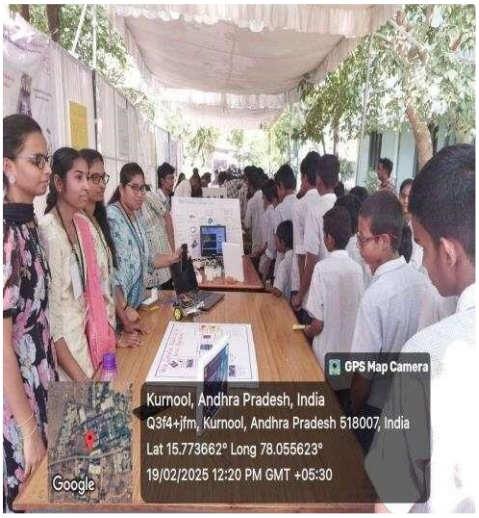
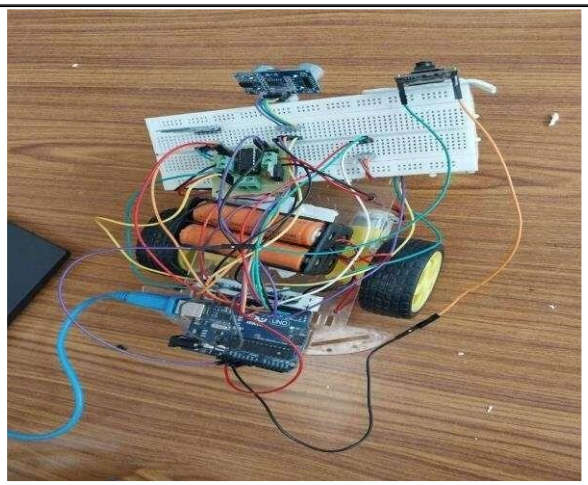
G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

EventName:Administrative Meeting	
NameofthecellandForum/society (EAA/NSS/VSC/CAA)	**CAA–IEEESENSORSCOUNCIL**
Date:11-02-2025	**EventType:Meeting with IEEE student members**
Venue:VLSI LAB	**NumberofParticipants:28**
Objective: The objective of the IEEE admin meeting was to coordinate organizational tasks, plan upcoming events, and discuss resource allocation and membership engagement. It aimed to ensure smooth operations and alignment with IEEE goals. Additionally, it focused on reviewing past activities and setting strategic directions for future initiatives.	
Description of theevent : Members discussed strategies for increasing membership engagement and improving operations. Additionally, past activities were evaluated, and future initiatives were outlined to align with IEEE's goals.	
Outcome: It included finalized plans for upcoming events and improved resource allocation strategies. Membership engagement initiatives were strengthened, and key tasks were delegated to ensure smooth operations. Additionally, the team set clear goals for future initiatives and improvements.	
Photos	

GPS Map Camera
Kurnool, Andhra Pradesh, India
Q3f4+jfm, Kurnool, Andhra Pradesh 518007, India
Lat 15.773537° Long 78.055555°
11/02/25 04:11 PM GMT +05:30
Google

G.PULLAREDDYENGINEERINGCOLLEGE(AUTONOMOUS):KURNOOL

EventName: Project demonstration on Voice controlled Robotic car for various applications	
Name of the cell andForum/society (EAA/NSS/VSC/CAA)	**CAA–IEEE SENSORS COUNCIL**
Date:17-02-2025	**EventType: Project Demonstration**
Venue: ECE Block 1	**NumberofParticipants:32**
Objective: The main objective of th s event is to showcase innovative ideas and technological advancements across v arious domains. It provides a platform for studentsandprofessionalstopresenttheirpr ojects,fosteringcreativity,knowledgesharing,and collaboration.	
Description of the event: As a part of the R uby Jubilee celebrations at Vignanamela4.0,our students presented a live demonstration of a **Voice-Controlled Robotic Car for various applications**, showcasing innovation and technological excellence	
Outcome: Students to apply theoretical nowledge to practical innovations, enhancing their technical and problem-solving skills. he event fostered collaboration, creativity, and exposure to emerging technologies.	
Photos	
	

 GPS Map Camera Kurnool, Andhra Pradesh, India Q3f4+jfm, Kurnool, Andhra Pradesh 518007, India Lat 15.773662° Long 78.055623° 19/02/2025 12:20 PM GMT +05:30 Google	

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL

Event Name: Fact Frenzy	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	IEEE Computational Intelligence Society (SBC-15721H)
Date:10/02/2025	**Event Type: Interactive Challenge**
Venue:ECS LH-9	**Number of Participants: 60**
Objective: To promote learning and skill devel pment in general knowledge, Java, Python, and sports through an engaging and competitive event.	
Outcome:Foster learning, competition, and l enhancement among participants skil	
Ph otos	

G. Pulla Reddy Engineering College, Kurnool Department of Computer Science and Engineering

IEEE-COMPUTERSOCIETY

Reports on events in the month of February,2025

1. IEEE-CS organized an event **'Infinite story'** on28th**January, 2025** from 3:30 PM to 4:10 PM at CS – 1.

2. IEEE- CS organized an event **'Neural Networks: Headfirst Into A Biological Perspective'** on **14th February, 2025** from 2:30 PM to 3:10 PM, at CS – 3.

3. IEEE-CS organized an event **'Poster Presentation'** on **16th February, 2025** from 3:00 PM to 5:10 PM, online over Google Meet

4. IEEE-CSorganizedan event**'MockInterview'**on **20th**February,2025 from6:00PMto7:45PM,online,overGoogleMeet.

EventName: Infinite story	
Name of the cell andForum/society:CAA	
Date:28thJanuary,2025	**EventType:**Infotainment based event
Venue:CS-1	**NumberofParticipants:**40
Objective: The objective of this event was to spark creativity out of the participants while also maintainingatechnicalenvironmentregardingcomputertechnologiesanditstheorists, crafting a chain of phrases to eventually create a wonderful story.	

Description:
After the participants were seated in the venue the event began with the host instructing the participants to begin with a tag line to forma story which must be related to any technical agenda, soonafter,theparticipantswereaskedtechnicalquestionsallowingthem to have a chance to test their logical thinking skills.

Outcome:
The attendees of this event successfully show cased their creativity and logical thinking skills well and also helped the others to nurture their skills further.

Photos:

SignatureofEventOrganizer

B.Swathi

EventName:"Neural Networks: Head first Into A Biological Perspective"	
NameofthecellandForum/society: CAA	
Date:14th February,2025	**EventType:**Introductory Session
Venue:CS-3	**NumberofParticipants:**35

Objective:
The objective of this event was to let students know about how Artificial Intelligence is fundamentally driven through the use of Neural Networks.

Description:
The event began with the host introducing the participants to neural networks opening with The biological perspective on the actual anatomy of a human brain, later the participants were introduced to the process of computation by a neural network in theory.

Outcome:
The attendees of this event successfully received some prerequisites on the idea of Neural Networks, about how they work and behave.

Photos:

Event Name: MockInterview
Name of the cell and Forum/society: CAA

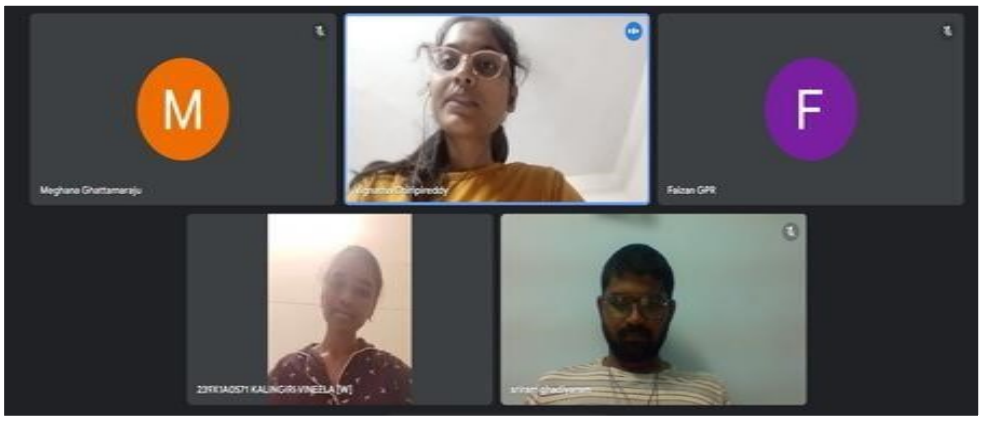
Date:20th February,2025	**EventType:** Q/ABased
Venue: GoogleMeet	**NumberofParticipants:**15

Objective:
The objective of this event was to provide participants a supportive platform where the participants can test themselves and their formalities during an actual interview, which the Organizing team held virtually in online mode.

Description:
The event began with the host cheerfully welcoming the participants to the meet. Then each participant was called upon by their number in an orderly fashion. The participants Proceeded with their interviews followed by a closing greet by the hosts.

Outcome:
The attendees of this event were able to scale their abilities and enhance their answers through out their interviews whilst being provided with a supportive environment by the Organizing team.

Photos:



Event Name: Poster Presentation

Name of the cell and Forum/society:CAA	
Date:16th February,2025	**EventType:**Online
Venue: GoogleMeet	**NumberofParticipants:**35

Objective:
The objective of this event was to let participants present their ideas compiled intoa technical poster presentation.

Description:
The event began with the participants joining in the meet with the given link. Soon after the host took over after welcoming them, the participants presented their posters teamby team. The best team stood out to be the winner.

Outcome:
The attendees of this event successfully presented their ideas on their respective technical topics of interest.

Photos:

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL
List of Student Activities conducted in the month of March- 2025
Civil Engineering Department
IE(I) Students' Chapter Report on Events
conducted in March 2025

Event:

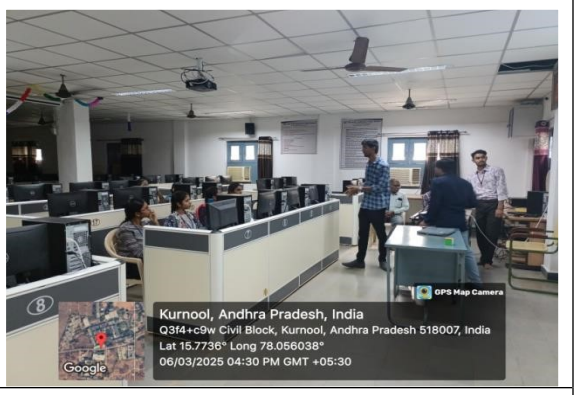
1. The GPREC IE(I) Student Chapter of Civil Engineering Department conducted a awareness program on "**Resume Building"** on 06-03-2025**,** , 04:00 PM to 5:00 PM by Ms. Sai Sharshitha Reddy(239X1A05F8), Ms. K.V.Sahithi(239X1A0589) and Mr.Md. Tajamul Hussain(229X1A0185) in coordination with Dr. K. Tharani, Mr. P.Eswanth, Mr.M. Hemanth Kumar and Sri. G. Nagesh Kumar Sr. Assistant Professor of CED, GPREC in Computer Lab of Civil Engg. Department. The total no of students about 14 No's participated and about 4 faculties are also present in the program.

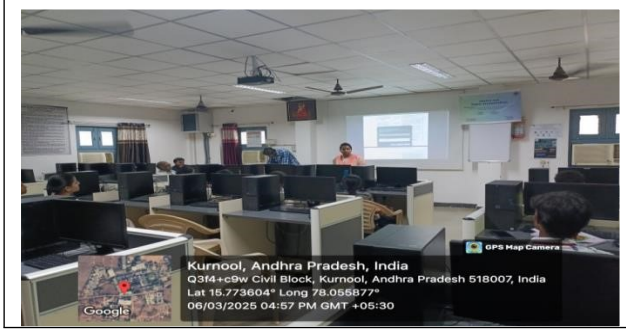
Event Name: Awareness Program on Resume Building	
Name of the cell and Forum/society (CAA)	IEI students' Chapter, CE Department, GPREC
Date: **06-03-2025, , 04:00 PM to 5:00 PM**	**Event Type:** Awareness Program
Venue: Computer Lab of Civil Engg. Department	**Number of Participants:** The total no of students about 14participated and about 4 faculties are also present in the program.
Objectives of Resume Building:Showcase Qualifications: Present relevant skills, experience, and education clearly to potential employers. 1. **Highlight Achievements**: Emphasize accomplishments and successes in past roles to demonstrate capabilities. 2. **Tailor to Job**: Customize the resume to match the specific job requirements and stand out to hiring managers. 3. **Professional Branding**: Create a professional image that aligns with career goals and industry standards. 4. **Organize Information**: Structure details in a concise and easy-to-read format to make a strong first impression.	
Highlights: Training and placement In-charge of CE Department Dr. K. Tharani, & Mr. P.Eswanth. Assistant Professors of CED, GPREC, are present and given their valuable suggestions	

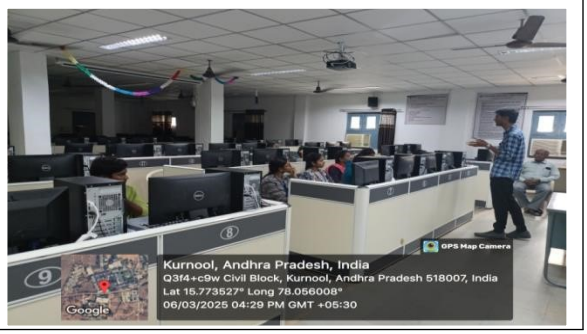
Outcomes of Resume Building:

1. **Increased Job Opportunities**: A well-crafted resume opens doors to job interviews by effectively capturing an employer's attention.
2. **Improved Professional Identity**: A strong resume boosts confidence and positions you as a competitive candidate.
3. **Clear Career Progression**: Highlights career growth, making it easier for employers to see your trajectory and potential.
4. **Enhanced Networking**: A polished resume helps with personal branding and networking opportunities in your field.

Photos







Department Of Electrical and Electronics Engineering IE(I)
Students Chapter

The GPREC IE(I)Students Chapter Electrical and Electronics Engineering Department Conducted the following Events in the month of MARCH 2025

1. The GPREC IE(I) Student Chapter of Electrical and Electronics Engineering Department conducted Digital Frames to Oral Tales event organized by II B.Tech II Sem EEE students S G Raghava (249X5A02E1), N Samiha Mahek (239X1A0256), S Gulfishan Noureen (239X1A0276) GPREC during 01-03-2025 and total of 72 students attended this Program.

2. The GPREC IE(I)of Electrical and Electronics Engineering Department conucted Personality development Program on **A** Motivational Speech on Confidence, Ms.Pranitha Reddy, Devops Engineer, Infosys, Bangalore. at GPREC(A), Kurnool during 08-03-2025 and total of 91 students attended this program.

3. The GPREC IE(I) Student Chapter of Electrical and Electronics Engineering Department conducted Model Based Learning event organized by II B.Tech II Sem EEE students Mr.Yunus Basha, Mr.A.Venkata Rakesh Reddy,Mr.S.G.Raghava, Mr.D.Sarathi,Ms Sadiya, Ms.G Srujana, Ms Bhargavi of GPREC(A),Kurnool during 22-03-2025 and total of 88 students attended this Program.

4. The GPREC IE(I) Student Chapter of Electrical and Electronics Engineering Department conducted Awareness programme on core to code: transforming ideas into reality event organized by II B.Tech II Sem EEE students Mr.Yunus Basha and Mr.D.Sarathi of GPREC(A),Kurnool during 22-03-2025 and total of 25 students attended this Program.

Event Name: Digital Frames to Oral Tales	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA**
Date:01-03-2025	**Event Type:** Technical
Venue: E-Class room	**Number of Participants:(If IEEE event mention Non IEEE and IEEE count) : 72**
Objective: The primary goal of this activity was to encourage voluntary participation in public speaking by selecting an image from the given topics and interpreting its significance, relevance, or impact.	
Description:II B.Tech II Sem EEE students S G Raghava (249X5A02E1), N Samiha Mahek (239X1A0256), S Gulfishan Noureen (239X1A0276) organized an event Digital Frames to Oral	

Tales is likely an interdisciplinary activity fo r engineering students that combines technical creativity with storytelling. It involves using ligital tools (frames, animations, or images) to visually represent a concept, process, or proble n, followed by an oral explanation to convey the idea effectively. it's an engaging educational a ctivity that pushes engineering students to think creatively, communicate effectively, and leverage technology all while keeping human elements like storytelling at the core.

Outcome: The "Digital Frames to Oral Tales" a ctivity was successful in enhancing the students' ability to articulate thoughts, analyze visual i nformation, and communicate effectively. The interactive approach made learning engaging and encouraged voluntary participation.

Ph otos

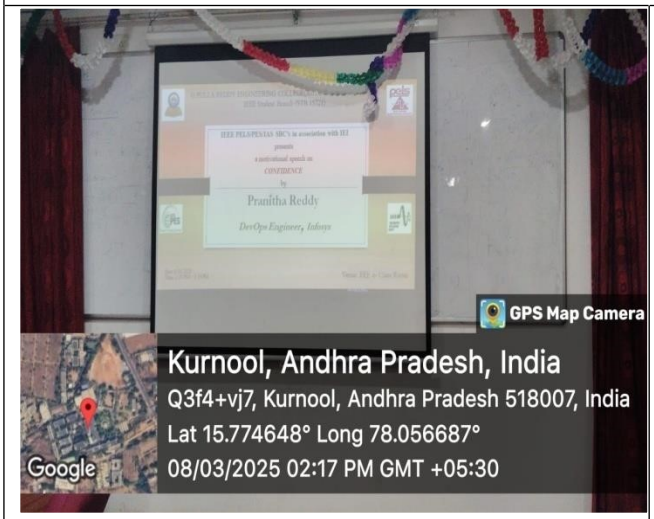
Event Name: A Motivational Speech on Confidence	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA**
Date:08-03-2025	**Event Type:** :Personality Development
Venue: E-Class room	**Number of Participants:(If IEEE event mention Non IEEE and IEEE count) : 91**

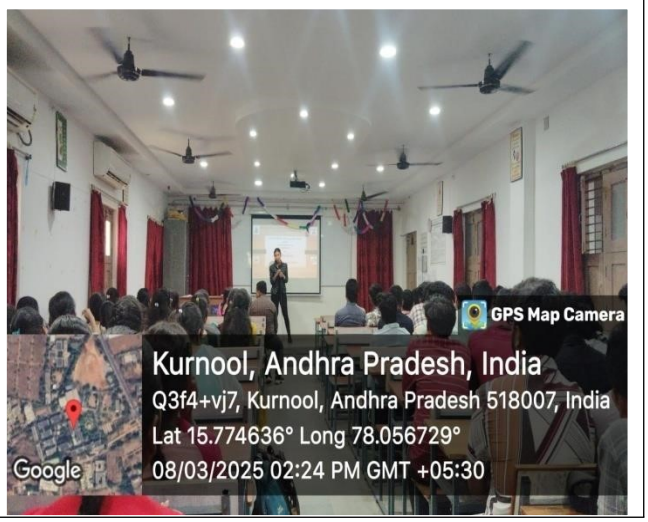
Objective: The objective of this motivational sp ech is to inspire engineering students to embrace self-confidence as a key factor in their academi c and professional success. It aims to help them: Recognize the importance of believing in their s kills and ideas. Overcome self-doubt and fear of failure. Cultivate a growth mindset by viewing challenges as opportunities to learn. Strengthen their ability to present ideas clearly and assertively. Build the confidence to innovate, collaborate, and lead in engineering projects.

Description: A Motivational Speech on Confidence event resource person is Ms.Pranitha Reddy, Devops Engineer, Infosys, Bangalore has inspired engineering students to believe in their abilities and embrace a positive mindset. The session emphasized the vital role confidence plays in overcoming challenges, presenting ideas clearly, and driving innovation in the engineering field. Students were encouraged to view failures as learning opportunities, develop effective communication skills, and step into leadership roles with self-assurance. The speech aimed to empower them to push boundaries, trust their technical expertise, and confidently navigate both their academic and professional journeys. Overall, the session provided valuable insights into building resilience and self-belief, shaping the students into future-ready engineers.

Outcome: The *Motivational Speech on Confidence* had a positive impact on the engineering students, encouraging them to develop self-belief and resilience. The session helped students recognize the importance of confidence in overcoming obstacles, presenting technical ideas effectively, and embracing leadership roles. It inspired them to adopt a growth mindset, viewing challenges as opportunities for learning and innovation. As a result, participants felt more empowered to communicate assertively, collaborate with peers, and push the boundaries of their technical expertise. The speech successfully motivated students to approach their academic and professional journeys with courage, determination, and a renewed sense of confidence.

Photos





Event Name: Model based learning	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA**
Date:22-03-2025	**Event Type:** Technical event
Venue: E-Class room	**Number of Participants:(If IEEE event mention Non IEEE and IEEE count) : 88**

Objective: The objective of model-based learning for engineering students is to develop their problem-solving, analytical, and simulation skills by applying mathematical and computational

models to real-world engineering systems, fostering a deeper understanding of system behavior, design, and optimization in a practical context.

Description: II EEE students Mr.Yunus Basha, Mr.A.Venkata Rakesh Reddy, Mr.S.G.Raghava, Mr.D.Sarathi, Ms Sadiya, Ms.G Srujana, Ms Bhargavi of GPREC, Kurnool has presented models and given clear explanation about the models. The models are

1. Accident Prevention at Blind Curves: Uses sensors and alert systems to detect oncoming vehicles and prevent collisions.
2. SMS Controlled UGV: An unmanned ground vehicle operated through SMS commands using a GSM module.
3. Smart Glasses for Blind People: AI-powered glasses providing real-time object detection and audio guidance for navigation.
4. Home Automation: IoT-based system enabling remote control of home appliances via mobile apps or voice commands.
5. Object Detection Radar Using PIR: Detects motion using PIR sensors and visualizes object location on a simple radar interface
6. AI in Hands Description: Utilizes AI for real-time recognition and interpretation of hand gestures for applications like sign language translation.

Outcome: At the end of the program, engineering students will be able to apply theoretical concepts to real-world problems using simulations, analyze and optimize systems through model-based approaches, make data-driven decisions, collaborate effectively in multidisciplinary teams, and contribute to innovative solutions with strong problem-solving and technical skills.

Photos

Event Name: AWARENESS PROGRAMME ON CORE TO CODE: TRANSFORMING IDEAS INTO REALITY	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA-** IEI Student chapter of EEE
Date:22-03-2025	**Event Type:** Career Development

Venue: E-Class room, EEE block-2	**Number of Participants:(If IEEE event mention Non IEEE and IEEE count) : 25**
Objective: The objective of the "Awareness Pr ogramme on Core to Code: Transforming Ideas into Reality" is to enhance participants' understa nding of how to apply core theoretical knowledge in practical coding scenarios, foster problem- solving and critical thinking skills, and inspire innovation by demonstrating real-world applicati ons of coding concepts.	
Description: Mr. Yunus Basha and Mr. D.S arathi second-year EEE students, successfully conducted an Awareness Programme on "Core to Code: Transforming Ideas into Reality." The event aimed to bridge the gap between theoreti cal knowledge and practical coding applications, providing participants with insights into how co ding can be used to solve real-world engineering problems. Through interactive sessions, demo strations, and hands-on activities, the speakers emphasized the importance of coding in de eloping innovative solutions. The programme encouraged students to explore interdisciplina ry applications, enhance their problem-solving skills, and gain confidence in applying core conc epts to create impactful projects.	
Outcome: The outcome of the "Awareness Prog amme on Core to Code: Transforming Ideas into Reality" was that students gained a clearer u nderstanding of how to apply core engineering concepts in coding, enhanced their problem-so lving skills, and developed confidence in using coding to create innovative and practical solutions.	
Ph otos	

<u>Mechanical Engineering Department</u>

<u>IE(I) Students Chapter</u>

1. The GPREC IE(I) Student Chapter of Mechanical Engineering Department conducted Technical Film Show on “Constructional Challenges of BURJ Khaleefa Tower” during 0703-2025. The main objective is to educate the audience about the complexities of constructing such an enormous structure and the challenges that engineers and architects faced during its creation. A total of 56 students attended this Program.

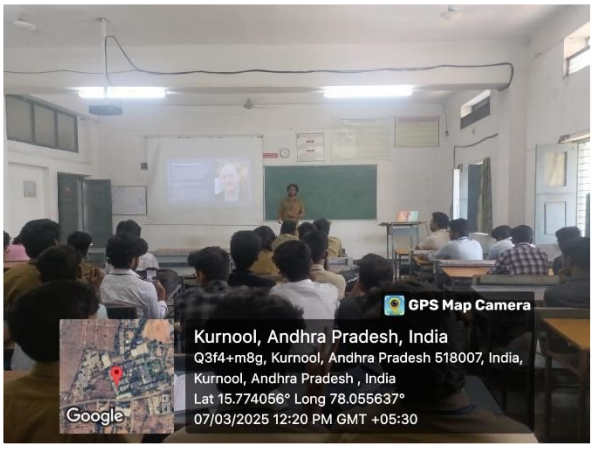
2. The GPREC IE(I) Student Chapter of Mechanical Engineering Department conducted a seminar on "Hologram Technology and Delivering Drones" during 07-03-2025. The main objective is to provide a deep understanding of hologram technology and its applications in various sectors. A total of 48 students attended this Program.

3. The GPREC IE(I) Student Chapter of Mechanical Engineering Department conducted a webinar on "Visual Components" during 17-03-2025. The main objective is to introduce **Visual Components** and its role in industrial simulation and also to demonstrate how the software helps in factory layout design, robotic automation, and production optimization.. A total of 44 students attended this Program.

4. The GPREC IE(I) Student Chapter of Mechanical Engineering Department conducted a seminar on "Manufacturing Process – Challenges" during 21-03-2025. The main objective is to identify and analyze the key challenges in modern manufacturing processes and to explore solutions such as automation, lean manufacturing, and digital transformation.. A total of 34 students attended this Program.

Event Name: Technical Film Show on "Constructional Challenges of BURJ Khaleefa Tower"	
Name of the cell and Forum/society(CAA)	**IE(I) ME Department**
Date:7th March 2025**(11:50 – 12:40 PM)**	**Event Type:Technical**
Venue:ME-5 Class Room, ME dept.	**Number of Participants:56 (II B. Tech)**
Objective: The main objective is to educate the audience about the complexities of constructing such an enormous structure and the challenges that engineers and architects faced during its creation.The event will also focus on how various technical problems were identified and solved through innovation and collaboration, providing valuable lessons for future construction projects.	
Description: The **Technical Film Show on "Constructional Challenges of Burj Khalifa Tower"** is an educational and informative event aimed at showcasing the remarkable engineering feats behind the construction of the Burj Khalifa, the tallest building in the world. The event will feature a documentary or film that delves into the technical and logistical challenges faced during the tower's design and construction phases.	
Outcome: Participants will leave with a deeper understanding of the complex processes involved in the construction of one of the world's most iconic structures.Attendees will gain awareness of the technological advancements and construction techniques that were necessary to overcome challenges like extreme height, environmental conditions, and urban space limitations.	
Photos	

Event Name: Seminar on "Hologram Technology and Delivering Drones"	
Name of the cell and Forum/society (CAA)	**IE(I) ME Department**
Date:7th March 2025 **(11:50 – 12:40 PM)**	**Event Type:Technical**
Venue: ME-4, ME Block I Second floor	**Number of Participants:48 (II B. Tech)**
Objective: To provide a deep understanding o `hologram technology and its applications in various sectors. To analyze the evolution and ca ɔabilities of drone delivery systems.To explore the integration of holography and drone technolog y for innovative solutions.	
Description: This seminar explores two cutting- edge technologies—hologram technology and delivery drones—and their impact on industries s uch as logistics, entertainment, healthcare, and retail.The session will include live demonstration, case studies, and discussions on future trends, regulations, and ethical considerations.	
Outcome: Participants will gain knowledge of th e latest developments in hologram technology and delivery drones.Attendees will understand real-world applications and challenges associated with both technologies.	
Photos	



Event Name: Webinar on "Visual Components"	
Name of the cell and Forum/society (CAA)	**IE(I) ME Department**
Date:17th March 2025 **(10:30 – 11:30 AM)**	**Event Type:Webinar**
Venue: ME-Seminar Gallery	**Number of Participants:44 (III B.Tech)**
Objective: To introduce **Visual Components** and its role in industrial simulation. To demonstrate how the software helps in factory layout design, robotic automation, and production optimization. To explore real-world case studies showcasing the impact of Visual Components on efficiency and cost reduction.To encourage engineers, designers, and industry professionals to integrate simulation tools into their workflows.	
Description of Event: This webinar focuses on **Visual Components**, a powerful 3D simulation software used for manufacturing planning, robotics, and factory layout design. It will cover the software's key features, applications in industrial automation, and how it aids in virtual commissioning and digital twin technology. Experts will demonstrate how Visual Components streamlines production planning, enhances efficiency, and reduces costs through realistic simulation and analysis. The session will include live demonstrations, industry use cases, and a Q&A segment.	
Outcome: Participants will gain a comprehensive understanding of Visual Components and its applications.Attendees will learn how to create and optimize factory layouts and robotic automation using the software.	
Photos	

GPREC

Monday • 17-Mar-2025 • 11:17 AM Adjust
IMG_1788

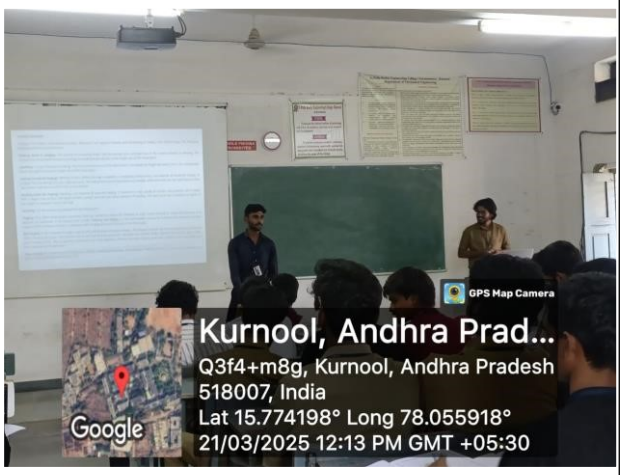
Apple iPhone 7 Plus HEIF
Wide Camera — 28 mm ƒ1.8
12 MP • 4032 × 3024 • 1.1 MB
ISO 100 | 28 mm | 0 ev | ƒ1.8 | 1/11 s

GPREC

Monday • 17-Mar-2025 • 11:15 AM Adjust
IMG_1786

Apple iPhone 7 Plus HEIF
Wide Camera — 28 mm ƒ1.8
12 MP • 4032 × 3024 • 1 MB
ISO 100 | 28 mm | 0 ev | ƒ1.8 | 1/9 s

Event Name: Seminar on "Manufacturing Process – Challenges"	
Name of the cell and Forum/society (CAA)	**IE(I) ME Department**
Date:21st March 2025 **(11:50 – 12:40 PM)**	**Event Type:Technical**
Venue: ME-4 (ME Block-I)	**Number of Participants:34**
Objective: To identify and analyze the key ch allenges in modern manufacturing processes.To explore solutions such as automation, lean man ıfacturing, and digital transformation.To discuss the impact of global supply chain disruptions an ı strategies for resilience.	
Description of Event: This seminar delves nto the various challenges faced in modern manufacturing processes, including supply chain disruptions, automation integration, sustainability concerns, and quality control. I dustry experts will discuss key issues such as production efficiency, workforce skill gaps, c st optimization, and compliance with evolving regulations.	
Outcome: Participants will gain insights in o current and emerging challenges in the manufacturing sector.Understanding of innovative solutions and strategies to enhance efficiency and sustainability.	
Ph otos	



Computer Science & Engineering Department
IE(I) Students Chapter

1. IEI Student Branch, Department of CSE, organized **Mind Buzz** on **07-03-2025** from 2.30 pm to 3.20 pm. Number of students who participated in the event was **61**.

2. IEI Student Branch, Department of CSE, organized IQ Ignition on **21-03-2025** from 2.30 pm to 3.20 pm. Number of students who participated in the event was **60**.

3. IEI Student Branch, Department of CSE, organized **Journey Through Herstory** on **2103-2025** from 11.50 am to 12.40 pm. Number of students who participated in the event was **53**.

4. IEI Student Branch, Department of CSE, organized Tune Hunt on **24-03-2025** from 2.30 pm to 3.20 pm. Number of students who participated in the event was **44**.

Event Name: Mind Buzz	
Name of the cell (EAA/NSS/VSC/CAA)	
Date:07-03-2025	**Event Type: Logical Type**
Venue:CS-3	**Number of Participants:61**

Objective:
The objective of the event was to enhance participants' logical thinking and general knowledge by engaging them in basic mathematical sequences and historical questions related to constitution and historical kings. It aimed to foster critical thinking, quick problem-solving, and a deeper understanding of historical and mathematical concepts through engaging discussions and fun activities.

Highlights:
The event featured engaging sessions on basic mathematical sequences and general knowledge questions covering the history of constitution and historical kings. Participants actively solved problems, enhancing their logical reasoning and analytical skills. The interactive format encouraged discussions and knowledge sharing among attendees.The event successfully combined education and engagement, leaving participants with valuable insights.

Outcome:
The event successfully enhanced participants' logical reasoning and general knowledge, particularly in mathematical sequences and historical concepts. Attendees gained a deeper understanding of the history of constitution and historical kings through interactive discussions. The engaging format encouraged critical thinking and quick problem-solving skills.

Photos

Event Name: IQ Ignition	
Name of the cell (EAA/NSS/VSC/CAA)	
Date:21-03-2025	**Event Type: Logical Type**
Venue:CS-3	**Number of Participants:60**

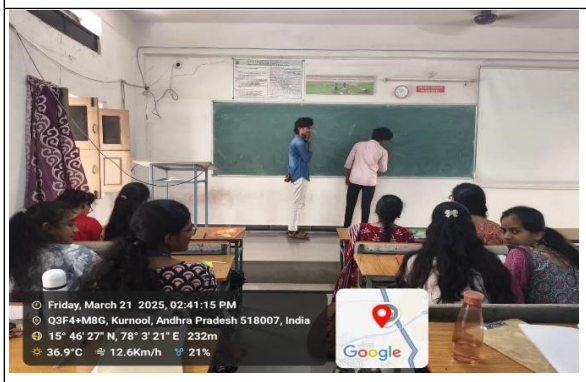
Objective:
The objective of the event was to enhance participants' problem-solving skills through aptitude and reasoning questions essential for placement exams. It aimed to improve their logical thinking, analytical abilities, and time management. By simulating real placement scenarios, the event helped students gain confidence and preparedness for recruitment processes.

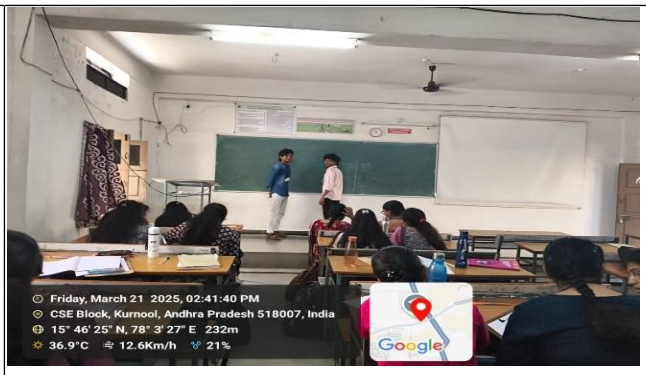
Highlights:
The event focused on enhancing aptitude and reasoning skills essential for placement exams through a series of engaging and challenging questions. Participants solved logical, analytical, and quantitative problems, improving their accuracy and time management. The event simulated real placement test scenarios, helping students assess their strengths and identify areas for improvement. It provided valuable exposure to commonly asked questions in recruitment processes.

Outcome:
The event successfully enhanced participants' aptitude and reasoning skills, equipping them

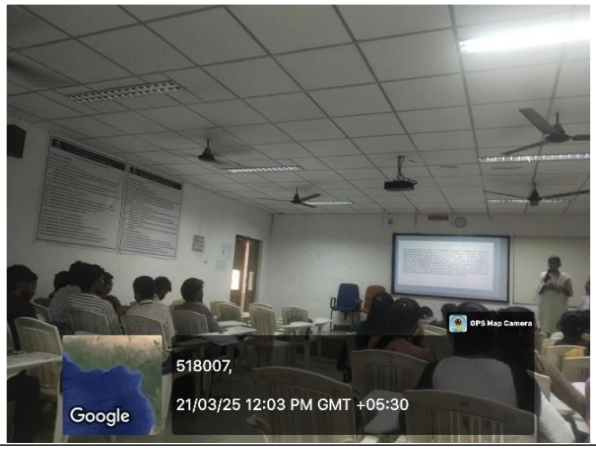
with essential problem-solving techniques for placement exams. Students improved their logical thinking, analytical abilities, and time management through real-time challenges. By identifying their strengths and areas for improvement, they gained a clearer understanding of placement test patterns. The event provided valuable practice, boosting confidence and preparedness for recruitment processes..

Photos





Event Name: Journey Through Herstory	
Name of the cell (EAA/NSS/VSC/CAA)	
Date:21-03-2025	**Event Type: Technical Type**
Venue: CS-E	**Number of Participants:53**
Objective: The objective of the "Journey Through HerStory" event is to educate, inspire, and empower participants by highlighting the lives and achievements of influential women throughout history.Through an engaging guessing game format, where participants read descriptions of notable women and identify them, the event enhances reading comprehension and communication skills.	
Highlights: Interactive Guessing Game: Participants will read detailed descriptions of famous women from history and guess who they are, making the learning experience both fun and engaging.Through the event's activities, participants will improve their reading comprehension, critical thinking, and communication skills as they work together to identify these influential women.	
Outcome: Participants will leave feeling empowered by the stories of resilience and achievement . They will leave with a deeper knowledge of the impact women have made throughout history and be inspired to continue learning and advocating for gender equality in all industries**.**	

Photos	
	

Event Name: TUNE HUNT	
Name of the cell and Forum/society: **(EAA/NSS/VSC/CAA)**	
Date: 24TH march, 2025	**Event Type: listening activity**
Venue: CSE-2	**Number of Participants: 44**

Objective:
The event aims to enhance students' engagement with music by challenging them to identify songs based on their melodies. It encourages active listening, memory recall, and a deeper appreciation of music while fostering a fun and interactive learning environment.

Highlights:
The event witnessed enthusiastic participation from all students, who eagerly engaged in guessing the song details with excitement and curiosity. Participants showcased their keen listening skills and musical knowledge, making the activity lively and competitive. Many students were seen discussing their favourite songs, sharing interesting facts about music, and expressing their enjoyment of the interactive challenge. The event created a fun and energetic atmosphere, bringing everyone together through their shared love for music.

Outcome: Participants showcased their enthusiasm for music by actively engaging in the challenge of identifying songs and their details. Their excitement and competitive spirit were evident as they listened attentively, made quick guesses, and discussed their favourite tracks.It also enhanced their listening skills and memory recall, making the activity both entertaining and educational.
Photos

Department of Emerging Technologies in Computer Science (ECS)

1.

Event Name: BUG HUNT	
Name of the cell and Forum/society (CAA)	**IE(I) ECS Department**
Date:25 th Feb 2025 **(2:30 - 3:20 PM)**	**Event Type: Technical**
Venue: Class Room	**Number of Participants: 58**
Objective: The primary objective of a bug hunt is to fix a number of issues in either a subset of code, or an entire code(C,Python or Java).	
Description: Bug hunts are one of the best ways to discover a solution's vulnerabilities so that they can be eradicated, removed, and fixed. In this event participants are divided into two groups A and B.Entire code or a part of code in C, Python or Java is projected on the screen. Each group is given 5 mins to identify the bugs in the code. Participant group which identifies all bugs or max number of bugs is given a point. The participant group which scores high is the winner.	

Outcome: The outcomes of a Bug Hunt event fo r students can be highly beneficial in improving their Debugging, testing skills, Critical thinkingand Problem solving skills. Participants actively participated in the event.
Photos

Event Name: BRAIN GYM	
Name of the cell and Forum/society (CAA)	**IE(I) ECS Department**
Date: 4th MARCH 2025 **(2:30 – 3:20 PM)**	**Event Type: Technical**
Venue: ECS Lab 7 and 8	**Number of Participants: 121**
Objective: Brain Gym is a quiz event which has a titude questions captured from top MNCs.	
Description: Brain Gym is an aptitude quiz event which is informed to the students one week in advance about the topics where they have to prepa e for efficient upskilling.In this event 20 MCQs	

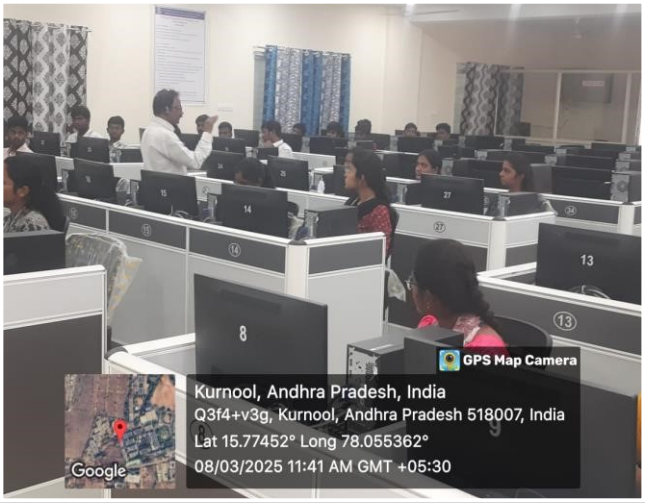
on specified Aptitude topics is prepared from a set of captured qusetions from top MNCs.This event is conducted in labs specified in the circula . IEI incharge and faculty coordinators monitor the students during the quiz test. Students need to complete the test within 30 mins.

Outcome: Brain Gym Quiz is conducted in the s pecified ECS lab venues. Participants score and Key for the quiz with step by step solution is released by 5th March 2025 to assess their strength and act accordingly

Photos

Event Name: Webinar on Essentials to become an IT Professional	
Name of the cell and Forum/society (CAA)	**IE(I) ECS Department**
Date: 8th MARCH 2025 **(11 – 12 Noon)**	**Event Type: Technical**
Venue: ECS Lab 2	**Number of Participants: 41**
Objective: This event is to enhance industry awareness ,know technology trends and give career guidance to the students.	
Description: This webinar aims to bridge the gap between academic learning and industry	

expectations. The session will cover the topics such as technical proficiency, problem solving skills, communication skills and industry best practices.
Outcome:
Photos



Event Name: BRAIN GYM	
Name of the cell and Forum/society (CAA)	**IE(I) ECS Department**
Date: 11th MARCH 2025 **(2:30 PM - 3:20 PM)**	**Event Type: Technical**
Venue: ECS Lab 1	**Number of Participants: 66**
Objective: Brain Gym is a quiz event which has aptitude questions captured from top MNCs.	

Description: Brain Gym is an aptitude quiz event which is informed to the students one week in advance about the topics where they have to prepare for efficient upskilling. In this event 20 MCQs on specified Aptitude topics is prepared from a set of captured questions from top MNCs.This event is conducted in labs specified in the circular. IEI in charge and faculty coordinators monitor the students during the quiz test. Students need to complete the test within 30 mins.
Outcome: Brain Gym Quiz is conducted in the specified ECS lab venues. Participants score and Key for the quiz with step by step solution is released by 12th March 2025 to assess their strength and act accordingly.
Photos

ISTE Students Chapter

1. The ISTE students chapter of GPREC conducted an event “AI Mirror: Recreate the Art” for the students of II year and III year B. Tech students of all branches on 27.02.2025 from 3.30 PM to 4.30 PM. The total number of students participated is 24.

CSI Student Branch

1. CSI Student Branch, Department of CSE, organized the Bugsnax on 3 rd March, 2025. Number of students who participated in the event is 46.

2. CSI Student Branch, Department of CSE, organized Tech Fest on 4 th March, 2025. Number of students who participated in the event is 36.

3. CSI Student Branch, Department of CSE, organized Code Catalyst on 6 th March, 2025. Number of students who participated in the event is 44.

4. CSI Student Branch, Department of CSE, organized Code Vita on 11 th March, 2025. Number of students who participated in the event is 50.

5. CSI Student Branch, Department of CSE, organized Code Quiz on 17 th March, 2025. Number of students who participated in the event is 51.

6. CSI Student Branch, Department of CSE, organized Tech Sphere on 18 th March, 2025. Number of students who participated in the event is 31.

7. CSI Student Branch, Department of CSE, organized Visual Search on 24 th March, 2025. Number of students who participated in the event is 61.

8. CSI Student Branch, Department of ECS, organized the Reboot on 24 th March, 2025. Number of students who participated in the event is 56.

Event Name: Bugsnax	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI STUDENT BRANCH-CAA**
Date:03/03/2025	**Event Type: TECHNICAL**
Venue:CSE-3D	**Number of Participants: 46**
Objective: Identify and fix errors (bugs) in the game's c de.The goal is to improve problem-solving skills, logical thinking, and coding abilities through ha ds-on debugging practice.	
Highlights: 1. Error Handling: Identify and fix syntax errors, logical errors, and runtime errors. 2. Debugging Techniques: Practice using print statements, debuggers, and other tools to diagnose issues. 3. Code Optimization: Improve code efficiency, readability, and performance.	
Outcome: The outcomes of Bugsnax in the context of coding: 1. Improved Debugging Skills: Enhanced ability to identify, analyze, and resolve coding errors. **2. Better Code Quality: Improved code reada ility, maintainability, and performance.**	
P notos	

Event Name: Tech Fest	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI STUDENT BRANCH-CAA**
Date: 04-03-25	**Event Type: Technical**
Venue: CS-1	**Number of Participants: 36**
Objective: The objective of a event is to create a lively, engaging, and memorable experience that brings people together for enjoyment, relaxation, and connection. Whether it's a team-building activity, a party, or a community gathering, the goal is to foster a sense of excitement, inclusivity, and positive energy among participants	
Highlights: The highlights of a fun event include interactive games and engaging activities, live entertainment like music or performances, and memorable moments like surprises, giveaways, and a grand finale.	

Outcome:

The outcome of a fun event is a sense of joy and connection among attendees, fostering lasting memories and positive experiences. It boosts engagement, teamwork, or community spirit, depending on the event's focus. Ultimately, participants leave feeling energized, entertained, and eager to return to future events.

Photos

Event Name: Code catalyst	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI Student Branch-CAA**
Date:06-03-2025	**Event Type: problem-solving and analytical thought**
Venue:Database lab	**Number of Participants:44**

Objective:

The objective of the Code Catalyst game s to make coding engaging and accessible by integrating it into a creative, interactive enviro ment. Players can write code to craft spells, solve challenges, or complete tasks, encouraging co nputational thinking and problem-solving. It aims to teach programming concepts in a fun, gamified way, blending education and entertainment.

Highlights:

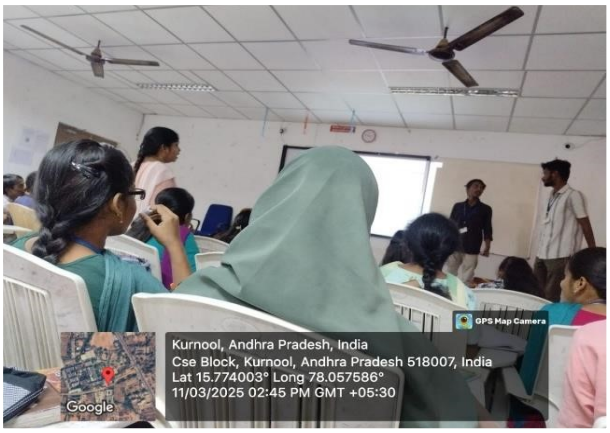
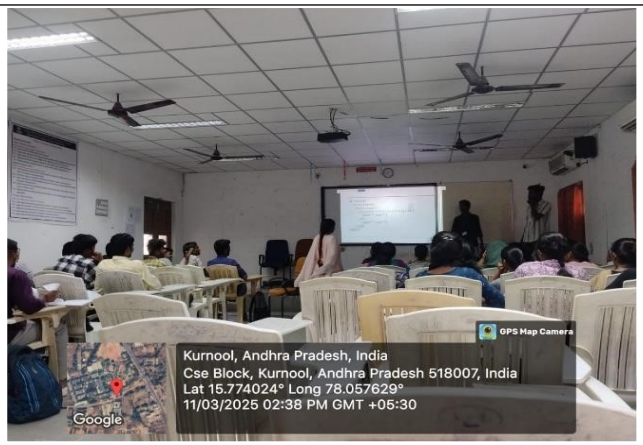
This event had total number of participants 4 and participated very enthusiastically and also improved interaction between students.

Outcome:

The outcome of the Code Catalyst game is to make learning to code more engaging and accessible through a creative, interactive envir nment.

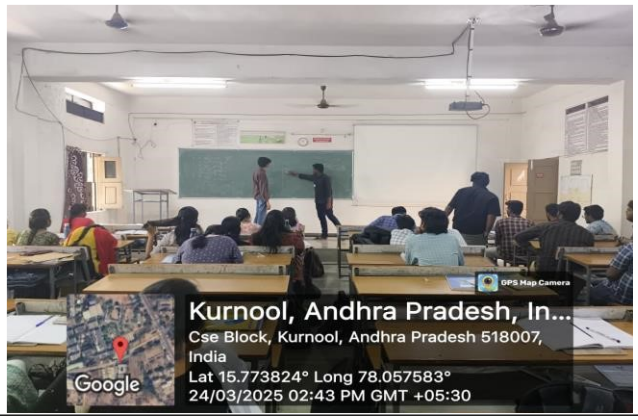
Photos

Event Name: Code Vita	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI Student Branch- CAA**
Date:11-03-2025	**Event Type:Technical**
Venue: E-CLASSROOM	**Number of Participants:50**
Objective: **The objective of Code Golf is to write the shortest possible code that solves a specific programming problem or challenge, promoting concise and efficient coding practices, creativity, and problem-solving skills.**	
Highlights: The Code Golf event showcased innovative solutions, record-breaking code, and intense competition, while providing students with a unique learning experience. Through this event, students earned valuable knowledge on optimal coding practices, creative problem-solving, and collaboration, ultimately improving their coding skills and industry readiness. s	
Outcome: The Code Golf event was a success, with students showcasing their coding skills and creativity. The outcome was a group of students with improved coding abilities, problem-solving skills, and industry knowledge.	
Photos	

Event Name: Code Quiz	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI STUDENT BRANCH-CAA**
Date:17/03/2025	**Event Type: TECHNICAL**
Venue:CSE-3D	**Number of Participants:51**
Objective: Engage participants in a fun, competitive enviro ıment, promoting learning, self-improvement, and community building.	
Highlights: 1. Multiple Programming Languages: Supports v ırious programming languages, catering to diverse coding backgrounds. 2. Real-World Problems: Presents participants wit ı practical, real-world problems to solve, enhancing problem-solving skills. 3. Time-Based Challenges: Offers timed challenges, simulating coding interview experiences and assessing coding speed and efficiency.	
Outcome: 1. Improved Coding Skills: Enhanced progra ıming skills, including problem-solving, coding efficiency, and algorithmic thinking. 2. Increased Confidence: Boosted confidence in c ding abilities, preparing participants for real-world coding challenges and technical interviews. 4. Better Understanding of Programming Con cepts: Deepened understanding of programming fundamentals, data structures, and algorithms, soli lifying a strong coding foundation.	
Ph otos	

Event Name: Tech Sphere	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI Student Branch-CAA**
Date:18-03-25	**Event Type: Technical**
Venue: CS-1	**Number of Participants: 31**
Objective: The objective of a event is to create a lively, engaging, and memorable experience that brings people together for enjoyment, relaxation, and connection. Whether it's a team-building activity, a party, or a community gathering, the goal is to foster a sense of excitement, inclusivity, and positive energy among participants	
Highlights: The highlights of a fun event include interactive games and engaging activities, live entertainment like music or performances, and memorable moments like surprises, giveaways, and a grand finale.	
Outcome: The outcome of a fun event is a sense of joy and connection among attendees, fostering lasting memories and positive experiences. It boosts engagement, teamwork, or community spirit, depending on the event's focus. Ultimately, participants leave feeling energized, entertained, and eager to return to future events.	
Photos	

Event Name: Visual Search	
Name of the cell (EAA/NSS/VSC/CAA)	**CSI STUDENT BRANCH-CAA**
Date:24/03/2025	**Event Type: TECHNICAL**
Venue:CSE-3D	**Number of Participants:61**
Objective: Efficient Image Retrieval: Enable users to quickly and accurately retrieve images or icons based on visual similarities.Identify and extract specific logos or brand icons from images, videos, or websites.	
Highlights: 1. Intuitive Visual Interface: User-friendly interface for searching and retrieving visual content. 2. Accurate Logo Detection: Precise identification and extraction of logos and brand icons. 3. Fast and Efficient Search: Quick retrieval of relevant visual content.	
Outcome: 1. Improved Search Efficiency: Reduced time and effort spent searching for visual content. 2. Enhanced Brand Recognition: Increased accuracy in identifying and recognizing specific brands and logos. 3. Competitive Advantage: Gained a competitive edge through improved visual search capabilities and faster access to information.	
Photos	
	

Event Name: REBOOT	
Name of the cell (EAA/NSS/VSC/CAA)	CSI student branch (CAA)
Date:24-03-2025	**Event Type:** TECHNICAL
Venue: ECS LH-7	**Number of Participants:** 56

Objective:
REBOOT is a session to get students familiar with the approach to logical thinking to solve the different problems using respective codin ; and logical thinking and ways to analyze and understand various coding problems and fy the correct solution sets.
identi

Highlights:
Developing an approach to logical thinking an l building codes

Outcome:
Students were able to get familiar with the app roacha to logical thinking to solve the different problems and ways to analyze and understa nd various coding problems and identify the correct solution sets and hence helped in build ing interest in students to once again delve into the roots of skillful coding.

Photos

<u>List of activities done under IEEE STB 15721</u>

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B,
IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. The GPREC IEEE WIE AG organized a Workshop on **Swadhikar"Unleash Your Power,Claim Your Rights" on 21st March 2025.** Smt. C.Sarala Devi , Addl.Public Prosecutor,Kurnool has arrived as the chief guest for this workshop. The workshop also invited C.V.K.Siva Prasad,Rtd.Judge, Nandyala as resource person. Also by MrsK.Veena Kishore and Mrs.C.Jyothirmaye delivered session on" Healthy Nutrition" and "Social Inclusion & Mental Well being" during the afternoon session. The number of participants is 100.

2. IEEE PELS SBC of GPREC organized A Motivational Speech on Rise with Confidence: Your Key to Success" by Pranitha Reddy, DevOps Engineer, Infosys on 8th March 2025 for II B.Tech EEE students. Number of participants for the event are 91.

3. IEEE PELS SBC & Women's Cell of GPREC organized An Interactive session on "She Leads, She Speaks"s" by Dr V.Anantha Lakshm. on 19th March 2025 for II B.Tech EEE students. Number of participants for the event are 60.

4. IEEE PELS SBC & EEE Department of GPREC organized A One Week Hands on Workshop on "Simulation of Power Electronics Converters using MATLAB" during 10th to 15th March 2025 for III B.Tech EEE students. Number of participants for the event are 55.

5. IEEE PELS SBC & EEE Department of GPREC organized A One Week Hands on Training and Workshop on "Arduino UNO and its Applications during 17th to 22nd March 2025 for II B.Tech EEE students. Number of participants for the event are 55

6. IEEE PELS SBC, WIE AG & Women's Cell of GPREC organized A One Day Workshop SwaAdhikar - "Unleash Your Power, Claim Your Rights on 21st March 2025. Number of participants for the event are 135.

7. IEEE PELS/PES/IAS SBC of GPREC organized an Interactive session on Career Catalyst: Unlocking Placement & GATE Potential by M.Anil kumar Reddy & Ooha Bhargavi on 25th March 2025 for III B.Tech EEE students. Number of participants for the event are 120.

8. IEEE PELS/PES/IAS SBC of GPREC organized an Interactive session on Aspire Ahead: Placement & GATE Insights by M.Anil kumar Reddy & Ooha Bhargavi on 25th March 2025 for II B.Tech EEE students. Number of participants for the event are 128.

EventName: Workshop on Swadhikar"Unleash Your Power,Claim Your Rights"	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**IEEE -WIE, GPREC**

Date:21-03-2025	**Event Type: Workshop**
Venue: Seminar Gallery-1	**NumberofParticipants:100**

Objective: The main objective of this workshop is to reveal the Women Rights.legal protections and Actsto all the young generation.. Also the sessions aims at creating awareness about Healthy nutrition and to give the tips about Mental Well being.

Description of the event: IEEE-WIE in association with Women's Cell and IEEE-PELS has organized this one day workshop namely "**Swaadhikar:Unleash Your Power, Claim Your Rights**". 100 girls students of II and III B.Tech from various branches have registered for this workshop and have participated.Workshop inauguration is doneat 10.00 am by our honorable Principal Dr.B.Srinivasa Reddyand the program is started by lightening the lamp.

Smt. C.Sarala Devi , Addl.Public Prosecutor,Kurnool has arrived as the chief guest for this workshop and she has taken a session on Women Rights and Acts. With her speech , she has created awareness to all the participants about the legal support that the women can get from the government in various situations. Next session on the same topic was shared by Sri. C.V.K.Siva Prasad,Rtd.Judge, Nandyala.

After the lunch break, sessions were taken by MrsK.Veena Kishore andMrs.C.Jyothirmaye on" Healthy Nutrition" and "Social Inclusion & Mental Well being".Later an interaction sessionwith all the speakers is arranged for the participants to clarify their doubts. The workshop is closed at 4.00pm with a Validictory program in which all the speakers were felicitated by PricipalDr.B.Srinivasa Reddy.

Outcome: This workshop has created an awareness and knowledge about the legal rights and acts that the women are entitled with. Also young ladies were encouraged to follow healthy food habits.The session on "Social inclusion and Mental Well being" have showed the way for the students who are struggling and depressed with the competition in the current technical society.

Photos

Event Name:A Motivational Speech onRise with Confidence: Your Key to Success"by **PranithaReddy, *DevOps Engineer, Infosys***	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS SBC**
Date: 8th March 2025 **Time:2:30PM – 3:30 PM**	**Event Type:Technical**
Venue:EEE e - Class Room	**Number of Participants:91**
Objective: The objective of a session Rise with Confidence: Your Key to Success is to help students understand the significance of confidence in achieving personal and professional goals.Assist individuals in recognizing their own barriers to confidence, such as fear, self-doubt, or negative beliefs.	
Description:	

In the session the speaker explained about confidence and why it plays a pivotal role in personal and professional success. She talked about common obstacles to confidence, such as fear of failure, self-doubt, and societal pressures. She also

discussed the importance of embracing imperfection and seeing failure as a stepping stone to success. She also suggested the tips on how to cultivate self-belief, such as:

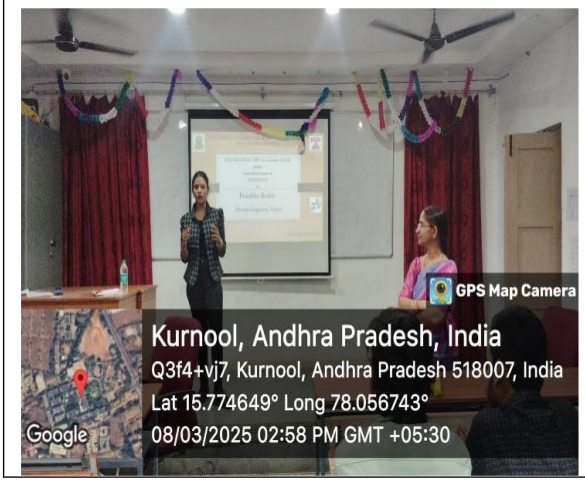
- Setting small, achievable goals to build momentum.
- Focusing on strengths and accomplishments.
- Using positive affirmations to shift mindset.

Finally she encouraged the audience to empower others with their own confidence. She quoted as ,*"Confidence doesn't come from having all the answers. It comes from being open to all the questions."*

Outcome:

The students understood that confidence is a skill that can be nurtured and developed, not just an innate trait.They gain a renewed sense of optimism about their ability to overcome selfdoubt and achieve their goals. By the end of the session, the students got a clear vision of how confidence can transform their lives and the tools they need to start the journey.

Photos



Event Name: An Interactive session on "**She Leads, She Speaks" by *DrV.Anantha Lakshmi***	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS& Women's Cell**
Date:19th March 2025 **Time:2:30PM – 3:30 PM**	**Event Type:Technical**
Venue:EEE e - Class Room	**Number of Participants:60**

Objective: The objective of the session titled "She Leads, She Speaks" is to inspire and motivate women to embrace their leadership potential and speak with confidence and purpose.To challenge traditional notions of leadership and showcase the unique qualities women bring to leadership roles.

Description:

In the session the speaker explained the unique strengths women bring to leadership and communication—and how those qualities are transforming the world

Outcome:

students left feeling empowered and motivated to embrace their own leadership potential and speak up with confidence.A deeper understanding of the importance of women in leadership and the power of their voices to create change.

Practical strategies and encouragement for women to lead boldly and speak up fearlessly in their personal and professional lives.By the end of the session, the students would feel transformed, ready to take steps toward leadership and self-expression.

Photos

Event Name:A One Week **Hands on Workshop on "Simulation of Power Electronics Converters using MATLAB"**	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS SBC& EEE Dept.**
Date:10/3/2025 to 15/3/2025	**Event Type:Technical**
Venue:EEE Computer Lab -1	**Number of Participants:55**

Objective: The main objective of this workshop is to provide the platform for the students, who are willing to work in the areas of Power electronic converter systems etc and also to createawareness in the relevant topics of power electronics, MATLAB simulation, which makes it versatile and portable.

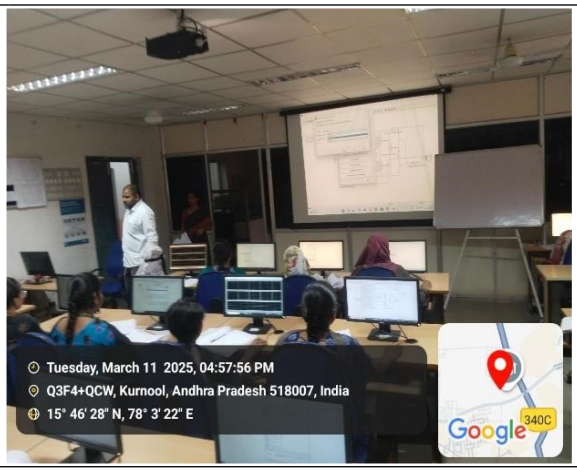
Description: The resource person for the workshop is Dr.M.Harsha Vardhan Reddy, Associate Professor of EEE Department. The topics which are covered during the workshop are as follows

- Introduction to MATLAB/Simulink
- Power Electronic converters simulation like
- Rectifier
- Inverter
- Chopper
- AC Voltage Controller With different types of loads

Outcome:

The students were able to know how to simulate power electronic converters using MATLAB.

Photos



Event Name:A One Week **Hands on Training and Workshop on "Arduino UNO and its Applications"**	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS SBC& EEE Dept.**
Date:17/3/2025 to 22/3/2025	**Event Type:Technical**
Venue:EEE Computer Lab -1	**Number of Participants:55**

Objective: The main objective of this worksho is to provide the platform for the students, who are willing to work in the areas of Power electronic converter systems etc and also to createawareness in the relevant topics of powe electronics, MATLAB simulation, which makes it versatile and portable

Description: The **Arduino Uno** is an open -source microcontroller board based on the **ATmega328P** chip, widely known for its sim licity, affordability, and versatility. It features 14 digital I/O pins, 6 analog inputs, and operat es at 5V with a 16 MHz clock speed, making it ideal for a variety of electronics projects. In t is regard, a one week hands on workshop has been conducted for II B.Tech EEE students.

The resource persons for the workshop are **D r.G.Satheesh**, Associate Professor&**Sri . B. Amarnath Naidu,** Assistant Professor of EE E Department, GPREC. The topics which are covered during the workshop are as follows

- IntroductiontoArduino, Basic function of rduino programming , Ways to power-on Arduino , Statement blocks (IF, else if, else), oop statements (for/while) (button events)
- Arduino's Input / output ports, Arduino's ligital and analog ports, Analog sensors and actuators, Digital sensors and actuators, Sending data from the serial monitor to the Arduino
- Controlling the hardware like LED, Workin with sensors, Serial communication, Simple hands-on projects.

Outcome: The students were capable of:

- Using Arduino UNO
- Interfacing of Arduino with LED, Push butto n, Sensors, LCD, Keypad and Motors
- Designing projects and prototypes using Ard ino Uno board. Using autodesk TINKERCAD platform and simulating Arduino projects on TINKERCAD

Event Name:A One Day Workshop *SwaAdhikar*- “Unleash Your Power, Claim Your Rights	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS SBC, WIE AG& Women’s Cell**
Date:21/3/2025 **Time: 9:30 AM – 4:00 PM**	**Event Type:Non - Technical**
Venue:Seminar Gallery -1	**Number of Participants:135**

Objective: The main objective of this workshop is to empower students by fostering awareness about their rights and responsibilities. It seeks to inspire them to take charge of their lives, advocate for justice, and actively participate in creating a fair and equitable society. The focus is on building confidence, enhancing knowledge about legal and social rights, and encouraging proactive engagement in community and societal development.

Description: The first speaker of the session was Smt. C.SaralaDevi,Addl. Public Prosecutor Gr.-1 & Deputy Director of Prosecution & O/o District Director of Prosecution. She has given the keynote address during the workshop. She discussed on the types of development of women. The second session was taken by Sri.M.Siva Ram Rao garu. He discussed about Article 14, 15 and the acts like POSCO, medical termination of pregnancy etc. The third session was taken by Smt.Veena Kishor, nutritionist where she discussed about the balanced diet, food habits etc.

Outcome:

The **SwaAdhikar - "Unleash Your Power, Claim Your Rights"** workshop aims to leave students with transformative outcomes, such as:

- **Empowerment**: Students gain confidence to assert their rights and take proactive steps in their personal and social lives.
- **Awareness**: Enhanced understanding of legal, social, and human rights, enabling informed decision-making.
- **Leadership Skills**: Development of critical thinking and advocacy skills to lead initiatives for justice and equality.
- **Community Engagement**: Encouragement to actively participate in societal development and contribute to positive change.

Photos

Event Name: Interactive session on Career Catalyst: Unlocking Placement & GATE Potential by M.Anil kumar Reddy & Ooha Bhargavi	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS/PES/IAS**
Date:25th March 2025 **Time:1:40 PM – 3:00 PM**	**Event Type:Technical**
Venue:EEE e - Class Room	**Number of Participants:128**

Objective: The objective of **Career Catalyst: Unlocking Placement & GATE Potential** is to prepare and empower students for their academic and professional future byproviding clear insights into the importance of GATE for higher studies and competitive placements, as well as strategies to excel in both.

Description: Interactive session on Career Catalyst: Unlocking Placement & GATE Potential by M.Anilkumar Reddy &Ooha Bhargavi for III B.Tech EEE students. In the session Ooha Bhargavi discussed how she cracked the job in Accenture and CTS.**She** Highlighted the skills and qualities employers seek in candidates.SheEmphasized on creating impactful resumes and maintaining professional online profiles (e.g., LinkedIn). She also shared the tips for excelling in group discussions, technical rounds, and HR interviews.Finally she discussed on the importance of communication, teamwork, and leadership abilities in placement success.

In the second session Anil kumar discussed on GATE preparation.He Provided an overview of GATE exam patterns, scoring systems, and core subjects. He also shared the strategies for effective time management, resource selection, and revision techniques.Finallydiscussed how GATE opens doors to higher education, scholarships, and public sector jobs.

Outcome:

A better understanding of strategies for GATE preparation and placement opportunities will lead to greater academic and career achievements.Students felt confident and well-equipped to tackle GATE exams and placement interviews with improved technical and soft skills.

Photos

Event Name: Interactive session on Aspire Ahead: Placement & GATE Insightsby	
M.Anilkumar Reddy &Ooha Bhargavi	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEEE PELS**
Date:25th March 2025 **Time:3:20 PM – 4:45 PM**	**Event Type:Technical**
Venue:EEE e - Class Room	**Number of Participants:128**

Objective:

The objective of **Aspire Ahead: Placement & GATE Insights** is to provide students with valuable knowledge and strategies for ex :elling in both placements and the GATE examination.

Description:

Interactive session on Career Catalyst: U ılocking Placement & GATE Potential by M.Anilkumar Reddy &Ooha Bhargavi for I . B.Tech EEE students. In the session Ooha Bhargavi discussed how she cracked the jo › in Accenture and CTS. She Discussed on current industry demands and desirable s ill sets. She suggested tips for crafting a professional and impactful resume. She sh are ed insights for excelling in interviews, including common questions and strate ies.Finally, she emphasized the role of communication, teamwork, and adaptability in placements.

In the second session Anil kumar discussed o GATE preparation.He shareed effective study plans, time management tips and recomme ıded resources.He also highlighted inspiring examples of individuals who achieved succes ; through GATE. Finallydiscussed how GATE opens doors to higher education, scholarships, and public sector jobs.

Outcome: Students were able to understand the essential technical, analytical, problem-solving, and communication skills to meet ind ıstry and academic expectations. Students gained a clear understanding of the GATE exa nination's role in higher education and career opportunities, as well as the placement process.

Ph ɔtos

Information Theory Society Students Chapter (SBC15721D)

&

IEEE Communications Society Students Chapter (SBC15721)

&

IEEE Microwave Theory and Techniques Students Chapter (SBC15721)

&

IEEE Sensors Council (SBC15721H

1. IEEE GPREC-SB & IEEE COMSOC in association with IEEE IT Society, IEEE MTT & IEEE sensor council conducted an Event named **Crafting Creativity: The Art of Poster Making, By T.** T. Siddartha Sharma, B.Tech 3rd year CSBS. The meeting was attended by 18 members of the execom.
2. IEEEGPREC MTTSOC organized an event on **"Brainiac Battles"**on22ndMarch 2025 at 3.30pm to 4.30 pm. in DSP Lab(ECE Block-I). Total number of participants are 30.
3. IEEE GPREC SENSORS COUNCIL, IEEE ITSOC jointly organized an event **"Unlock Creativity"** third round– CONCUSSION conducted in ECE 7 classroom on 28th February 2025. Total number of shortlisted participants were 3 teams(8 members). Among, IEEE - 03, Non-IEEE – 05.

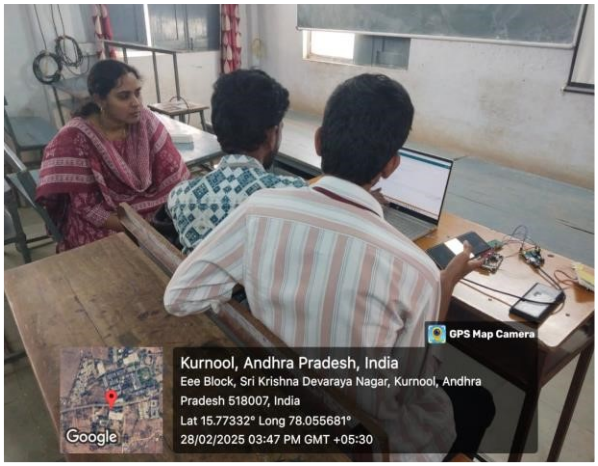
Event Name: Crafting Creativity: the Art of Poster Making	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	GPREC IEEE COMSOC, MTTS, ITSOC and Sensors Council
Date: 07/03/2025	**Event Type: Poster Design Demonstration**
Venue: ECE Block 3	**NumberofParticipants:18**
Objective: The event aims to encourage innovative thinking, enhance design skills, and cultivate an appreciation for visual storytelling by utilizing given inputs to craft unique and impactful posters.	
Description of Event: *"Crafting Creativity – The Art of Poster Making"*, an IEEE event crafted to nurture your design skills and creativity. This event guides participants through the journey of poster making, from mastering the basics to achieving professional-level designs. With structured inputs provided by T. Siddartha Sharma, participants will explore innovative techniques and concepts to create visually compelling and impactful posters.	
Outcome: Participants gained a comprehensive understanding of poster design, starting from foundational principles to advanced techniques. By utilizing the structured inputs provided by T. Siddartha Sharma, they will develop innovative thinking, artistic expression, and the technical skills needed to create visually impactful posters.	
Photos	

Event Name: : "Braianiac Battles"	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA–IEEEMTTSOC**

Date:22d March 2025	**Event Type: Project Demonstration**
Venue: DSP Lab (ECE Block-I)	**NumberofParticipants:30**
Objective: The main objective of this event is to explore the importance of electromagnetic in our domestic applications & their Academics like GATE and other competitive exams	
Description of the event:"Braianiac Battles " is an technical Quiz conducted offline in the DSP Laboratory (ECE Blcok- our duration of 40 bits are given from basic level to analysis total 30 students are participated	
Outcome: The event encouraged students to think creatively and develop innovative solutions to real-world problems. To achieve the good performance in core examinations	
Photos	

EventName:Unlock Creativity (ROUND III: CONCUSSION)	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	IEEE SENSORS COUNCIL
Date:28/02/2025	**Event Type: CONCUSSION**

Venue: ECE Block 3	NumberofParticipants:08
Objective: The objective of the event *"Unlock Creativity: Concussion"* was to inspire participants to explore and enhance their creative potential through interactive sessions, brainstorming activities, and collaborative challenges. The goal was to help attendees develop innovative thinking skills, improve problem-solving abilities, and foster a creative mindset in both personal and professional settings.	
Description of Event: *"Unlock Creativity: Concussion"* was a dynamic and engaging event designed to push the boundaries of creative thinking. The event featured with hands-on activities that encouraged participants to think outside the box. The session covered various aspects of creativity, including design thinking, innovation strategies, and creative problem-solving.	
Outcome: The event successfully completed with participants reporting increased confidence in their creative abilities and a deeper understanding of how to apply creative thinking. The event fostered a collaborative work, leading to new project ideas and potential partnerships among participants. Two teams were announced as winners for their creativity and solution .They appreciated with the prizes.	
Photos	



IEEE Computer Society Students Chapter (SBC15721C)

&

IEEE Computational Intelligent Society Students Chapter (SBC15721H)

1. IEEE-CS organized an event **'TechnoVision'** on **7ththMarch, 2025** from **11:50 AM to 12:40 PM** at E - Classroom. The objective of this event was to make the participants actively participate in a Questionnaire related to computer sciences curated by the ExeCom team. Total number of students participated is 30.

2. IEEE- CS organized an event '**TechnoRizz'**on **12thMarch, 2025** from **11:50 AM to 12:40 PM**at CS – 2. The objective of this event was to make the participants apply their

critical thinking abilities on a set of coding questions handpicked by the ExeCom team. Total number of students participated is 30.

3. IEEE-CS organized an event **'Unlocking AI: an Introductory Session (Out Reach Program)'** on **13th March, 2025**from **3:00 PM to 4:00 PM at** Vignana Peetham Aided Highschool. Theobjective of this event was to visit a remote educational venue and host a seminar on Introductory AI, where the participants receive invaluable information and insights surrounding the world of Artificial Intelligence. Total number of students participated is 35.

4. IEEE CIS conducted a guest lecture on **Cybersecurity, delivered by** Mr.Raghuveer, Team Lead at the Security Operation Centre, Sentinel Technologies,Bengaluru for B.Tech 2nd year CSM & CSBS students. A total of 150 students attended the session.

5. IEEE CIS conducted an event on **Cyberbullying** for B.Tech 2nd year CSD students. A total of 38 students participated in the event.

6. IEEE CIS conducted an event named Algoverse for B.Tech 2nd year CSM students. A total of 67 students participated in the event.

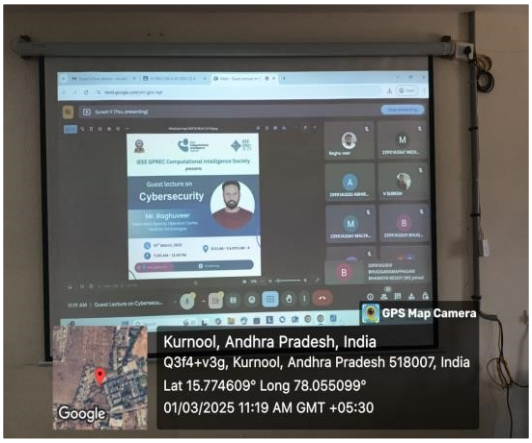
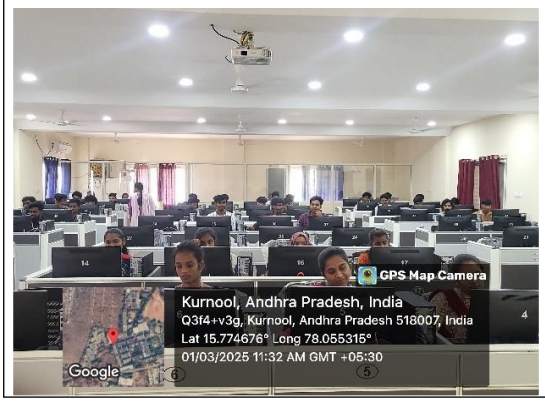
Event Name: Technovision	
Name of the cell and Forum/society: CAA	
Date:7th March,2025	**Event Type:** Technical
Venue: E - Classroom	**Number of Participants: 30**
Objective: The objective of this event was to make the participants actively participate in a Questionnaire related to computer sciences curated by the ExeCom team.	
Description: After the participants entered the venue the event began shortly by a warm welcome by the volunteers. Participants were actively engaged by the said questionnaire testing their knowledge across various technical concepts, where winners were rewarded with goodies.	
Outcome: The attendees of this event successfully show cased their brilliance and their own understanding of the concept in question by actively engaging throughout the event.	
Photos	

Event Name: TechnoRizz	
Name of the cell and Forum/society: CAA	
Date:12th March,2025	**Event Type:** Technical
Venue: CS - 2	**Number of Participants: 30**
Objective: The objective of this event was to make the participants apply their critical thinking abilities on a set of coding questions handpicked by the ExeCom team.	
Description: After the participants entered the venue the event began shortly with a warm welcome by the hosts. Participants were presented with some hand-picked coding questions by which the participants were allowed to explore their expertise in coding.	
Outcome: The attendees of this event successfully tested their coding skills actively through-out the events and the winners of this event were awarded with goodies.	
Photos	

Event Name: Unlocking AI: An Introductory Session	
Name of the cell and Forum/society: CAA	
Date:13th March,2025	**Event Type:** Outreach Programme
Venue: Vignana Peetham Aided High School	**Number of Participants: 35**
Objective: The objective of this event was to visit a remote educational venue and host a seminar on Introductory AI, where the participants receive invaluable information and insights surrounding the world of Artificial Intelligence.	
Description: After the team of ExeCom members gathered at the venue the event kick started with a warm greeting by the team. Soon after the hosts began with the seminar on Introductory AI where the participants were shown how AI tools could be used to get more efficient with their tasks.	

Outcome: The audience of this event actively engaged with the hosts and aptly gained valuable insights on AI tools and ways to make the most out of them.
Photos

EventName:Cybersecurity	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA–IEEECIS**
Date:01-03-2025	**Event Type: Guest Lecture**
Venue: ECS LAB-3 & ECS LAB-4	**NumberofParticipants:150**
Objective: Cybersecurity principles, threats, and best practices for safeguarding digital assets and information.	

Description of the event:	ıre on Cybersecurity was delivered by Raghuveer, entre, Sentinel Technologies. He shared valuable nerging threats, and effective strategies to The session emphasized the importance of security awareness in today's digital landscape.
Outcome: Students gained a deepertanding onCybersecurity concepts. unders	
Photos	
	
	

Event Name: Cyberbullying	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA–IEEECIS**
Date:03-03-2025	**Event Type: Awareness Session**
Venue: ECS LH-5	**NumberofParticipants:38**
Objective: To raise awareness about Cyberbullying, its impact, and ways to prevent and address online harassment.	

Description of the event: The event on cyberbullying aimed to raise awareness about its harmful effects, focusing on prevention strategies and providing resources for addressing online harassment. Participants learned how to recognize, respond to, and support victims of cyberbullying in a digital environment.
Outcome: Participants learned how to recognize, respond to, and support victims of Cyberbullying in a digital environment.
Photos

EventName:Algoverse	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA–IEEECIS**
Date:17-03-2025	**Event Type: Skill Development**
Venue: ECS LH-3& DTI Lab	**NumberofParticipants:67**
Objective: To demonstrate algorithms through real-world examples, enhancing understanding and practical application in everydays. scenario	
Description of the event: :vent aimed to explain complex algorithms using real- e and easier to understand. Participants will gain pe everyday life, enhancing their ability to apply these concepts in various fields.	
Outcome: Students gained practical knowledge of various algorithms.	
P ıotos	

G. PULLA REDDY ENGINEERING COLLEGE (AUTONOMOUS); KURNOOL

List of Student Activities conducted in the month of April- 2025

Civil Engineering Department
IE(I) Students Chapter

Nil

Electrical & Electronics Engineering Department
IE(I) Students Chapter

1. The GPREC IE(I) Student Chapter of Electrical and Electronics Engineering Department conducted Awareness programme on Social Impact Awareness Drive event organized by III B.Tech II Sem EEE students conducted by Mr. B. Jashwanth (239X5A02C6) and Mr. V. Sai Varshith (229X1A02B1), students of B.Tech III-II Semester, EEE, GPREC (Autonomous)Kurnool during 29-03-2025 and total of 27 students attended this Program.

Event Name: Social Impact Awareness Drive	
Name of the cell and Forum/society (EAA/NSS/VSC/CAA)	**CAA – IEI Students Chapter(EEE)**
Date:29-3-2025	**Event Type:** Awareness event
Venue: EEE Class room-1	**Number of Participants: 27**
Objective: The programme aims to educate and inspire students about the importance of community service, fostering a sense of social responsibility and empathy. It encourages students to apply their skills and knowledge to address real-world challenges, promoting teamwork, leadership, and problem-solving abilities. By engaging with local communities, NGOs, and organizations, students develop a deeper understanding of societal needs and contribute to sustainable development.	
Description: An Awareness Programme on Community Service Project was successfully conducted by Mr. B. Jashwanth (239X5A02C6) and Mr. V. Sai Varshith (229X1A02B1), students of B.Tech III-II Semester, EEE, GPREC (Autonomous) with the objective of educating and inspiring fellow students about the significance of community service and social responsibility.The programme highlighted how engineering students can apply their technical knowledge to solve real-world community challenges. Various aspects of community service, including sustainable energy solutions, rural development, environmental conservation, and infrastructure improvement, were discussed. The session also emphasized the importance of collaboration with NGOs, industries, and government bodies for impactful social contributions.Through interactive discussions and case studies, the programme encouraged students to actively participate in community projects, fostering innovation, leadership, and teamwork. The initiative successfully motivated students to engage in service-oriented projects, contributing to the overall development of society while enhancing their practical engineering skills.	
Outcome: The programme enhanced students' understanding of social challenges and the role of community service in addressing them. It inspired students to apply their technical and problem-solving skills for societal benefit, fostering social responsibility, teamwork, and leadership. Additionally, it encouraged participation in service-oriented projects, promoting innovation and collaboration with NGOs and industries for sustainable community development.	
Photos	

Mechanical Engineering Department
IE(I) Students Chapter

Nil

Electronics & Communication Engineering Department
IE(I) Students Chapter

Nil

Computer Science & Engineering Department
IE(I) Students Chapter

NIl

Department of Emerging Technologies in Computer Science (ECS)

Nil

ISTE Students Chapter

Nil

CSI Student Branch

List of activities done under IEEE STB 15721

IEEE WIE AG (SBA15721), IEEE PES SBC 15721B,
IEEE PELS SBC 15721F, IEEE IAS SBC 15721E, IEEE RAS SBC15721G

1. The GPREC IEEE RAS SBC of ME dept organized a Guest Lecture titled"Robotics & AI Applications and Opportunities" on 12-04-2025. The objective of the Guest lecture is to explore the current applications, future opportunities, and transformative impact of Robotics and Artificial Intelligence (AI) across industries, aiming to identify strategic advantages and innovation pathways. The number of students participate is 64.

Event Name: Guest Lecture on "Robotics & AI Applications and Opportunities"	
Name of the cell and Forum/society (CAA)	**IEEE RAS ME Department**
Date: 12th April 2025 **(10:00 – 11:30 AM)**	**Event Type: Technical**
Venue: ME Seminar Hall	**Number of Participants: 64**
Objective: The objective of the Guest lecture on the "Robotics & AI Applications and Opportunities" is explore the current applications, future opportunities, and transformative impact of Robotics and Artificial Intelligence (AI) across industries, aiming to identify strategic advantages and innovation pathways.	

Description: This topic delves into how Robotics and AI technologies are being utilized today across various sectors such as healthcare, manufacturing, transportation, education, and customer service. It examines real-world case studies, emerging trends, and the evolution of intelligent automation. Additionally, it highlights upcoming opportunities where Robotics and AI can solve complex challenges, enhance productivity, and create new market spaces. The discussion also addresses ethical considerations, workforce impacts, and the role of policy in shaping the future landscape.
Outcomes: The guest lecture would aim to leave participants with a Clear understanding of how Robotics and AI are currently applied across major industries. Identification of sectors and tasks with high potential for Robotics and AI disruption or enhancement. Insight into future trends, innovation opportunities, and emerging technologies in Robotics and AI. Development of strategic plans or innovation frameworks for adopting Robotics and AI solutions. Awareness of ethical, legal, and societal implications tied to Robotics and AI deployments. Enhanced ability to make informed decisions on investments, partnerships, or R&D initiatives in this space. Creation of new business models, services, or products enabled by Robotics and AI technologies
Photos

<u>Information Theory Society Students Chapter (SBC15721D)</u>

&

<u>IEEE Communications Society Students Chapter (SBC15721)</u>

&

<u>IEEE Microwave Theory and Techniques Students Chapter (SBC15721)</u>

&

<u>IEEE Sensors Council (SBC15721H</u>

Nil

IEEE Computer Society Students Chapter (SBC15721C)
&
IEEE Computational Intelligent Society Students Chapter (SBC15721H)

1. IEEE-CS organized an event **'Mind Riddle'** on **27thth March, 2025** from **11:50 AM to 12:40 PM** at CS-2.

2. IEEE- CS organized an event '**Technova : The Final Fun'** on **28th March, 2025** from **11:50 AM to 12:40 PM** at CS – 3.

Event Name: Mind Riddle	
Name of the cell and Forum/society: IEEE	
Date: 27th March, 2025	**Event Type:** Technical
Venue: CS - 2	**Number of Participants: 54**
Objective: To create an interactive and engaging environment where students can test their logical thinking, coding knowledge, and movie-related trivia skills.	
Description: The event involved a mix of mind riddles, coding-based questions, and puzzles related to movie names, encouraging critical thinking and teamwork.	
Outcome: Students actively participated, improving their problem-solving abilities and logical reasoning. The session fostered a fun learning experience while enhancing collaboration and quick thinking.	
Photos	

Event Name: TechNova: The Final Fun	
Name of the cell and Forum/society: CAA	
Date: 28th March, 2025	**Event Type: Infotainment**
Venue: CS - 3	**Number of Participants: 36**
Objective: The objective of this event was to engage the participants into solving a questionnaire formulated by the team of ExeCom members, thus testing their skills around the technical arena.	

Description:

The event began with a warm greeting by the Execom team, the participants were thoroughly engaged and were asked various technical questions allowing them to test their technical skills, winners of this event were rewarded with goodies as well.

Outcome:

The participants of this event were well engaged by the hosts and were able to test their technical skills from a broad set of concepts.

Photos