



**EELS NEWS LETTER 2019-2020
(DEPARTMENT OF ELECTRICAL & ELECTRONICS STUDENTS
ASSOCIATION)**

G. PULLA REDDY ENGINEERING COLLEGE (Autonomous): KURNOOL

Department of Electrical & Electronics Engineering

A REPORT ON THE ACTIVITIES OF DEPARTMENT ASSOCIATION(EELS) 2019-20

List of Office Bearers: 2019-2020

PATRON : Dr. B. Sreenivasa Reddy, Principal
CHAIR PERSON : Dr. K. Sri Gowri, Professor & Head of EEE Dept.
FACULTY ADVISOR : Dr. G. Venkatasubba Reddy, Associate professor, EEE Dept.
EXECUTIVE MEMBERS:

S.No	Roll No	Name of the Student	Name of the forum
1	169X1A0286	NIKHIL PAVAN	Execom member
2	179X1A0256	M YAGNASREE	Execom member
3	169X1A0223	D PRANITHA REDDY	Execom member
4	169X1A0259	KAVIREDDY SIVAKRISHNA	Execom member
5	169X1A0205	BURUZULA SOWMYA	Execom member
6	179X1A0201	A SWARUPA	Execom member
7	179X1A0255	L VENKATESWARA REDDY	Execom member
8	179X1A02A6	VANARCHU RAJASEKHAR	Execom member
9	189X5A02B3	BELLARY LIKHITHA	Execom member
10	169X1A0253	MOTHE INDU	Execom member
11	189X1A0272	PEDDAGALI REDDYGARI KAVYA	Execom member
12	189X1A0217	K BHAVYA SAI	Execom member
13	189X1A0256	K VINAY KUMAR	Execom member
14	189X1A0214	JETTY PAVANI	Execom member
15	189X1A0204	BANDIKI SWETHA	Execom member
16	189X1A0238	MIDDE GURU CHARAN	Execom member

G. Pulla Reddy Engineering College (Autonomous): Kurnool

EEE Department Association (EELS) : 2019-2020

List of events conducted in academic year 2022-2023

S.No	NAME OF EVENT	Date	Number of students participated
1	Awareness on IEEE benefits	03 -08 -2019	104
2	PES chapter achievement and benefits	21-08 -2019	62
3	Introduction to Matlab	31-08-2019	70
4	Michael Faraday Life cycle	21-09-2019	30
5	Recent trends in Electronics engineering	23-09-2019	30
6	Panel discussion	24-09-2019	70
7	IPA workshop	27th-30th Sept 2019	58
8	Outreach programme	04-01-2020	120
9	Anokha	28th and 29th Feb 2020	380

Date:04- 08-2019

Subject: A Report on the Awareness Program conducted by IEEE PES Student Chapter.

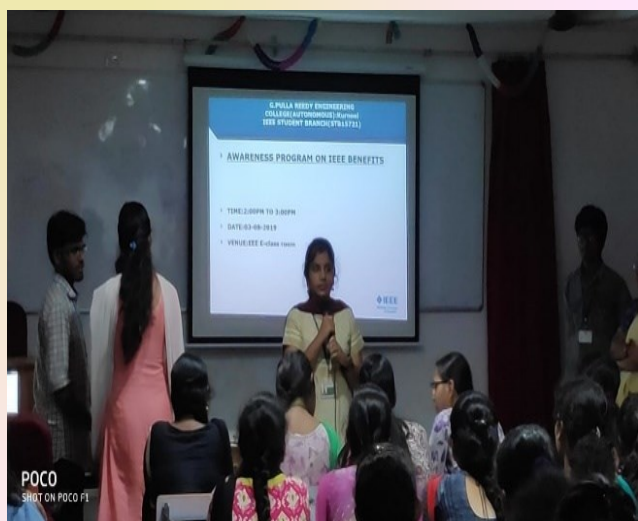
IEEE Power and Energy Society of IEEE GPREC SB had conducted an Awareness Program on the theme “**Benefits of IEEE**” on 3rd of August 2019. And 150 members have attended the event.

Here are the points which were discussed in the session. First session was started by Ms. M. Reethika Keerthana of III ECE, explained the benefits of taking an IEEE membership and then she shared her personal experience, being an IEEE member. Ms. Farahath Muskaan of III ME motivated the sophomores about the importance of IEEE and then what it’s really stands for.

Ms. Geethika of III ME and Mr. G.Shiva of III EEE have shared their’s experiences and discussed about the various IEEE events they have attended so far.

Dr.V.Anantha Lakshmi Madam, Associate Professor of EEE Department and Faculty advisor of PES Chapter had shared the achievements of GPREC Students who have benefitted from IEEE.

Here are the few snaps taken during the session:



SUBJECT: A report on the awareness program conducted by IEEE PES Student Chapter as a part of Induction program.

OBJECTIVE:

To create general awareness to the students about Power and Energy Society Student Branch, its achievements IEEE Power and Energy Society of IEEE GPREC SB had conducted an awareness program to create general awareness among new students . It helps the students to know the importance of the IEEE forum and the need to join IEEE. So many students and volunteers participated in this event and made it successful. More details about the session are described below.

DESCRIPTION:

During this event, the new students (first year) are provided with the information regarding the need and importance to join in IEEE. The IEEE GPREC SB executive committee members, student volunteers, members of IEEE presented this to the students in an effective way. The exe-com members made the session even more interactive by giving the active student participants a few IEEE goodies as a token of appreciation. The overall response from students to join in IEEE was positive. The active participation of the executive committee members and volunteers as well as the audience made the event a grand success

Here are some snaps taken during the session:



Date: 03- 09-2019

Subject: A report on the” **Introduction to MATLAB**”Hands-on workshop conducted by IEEE PES Student Chapter.

IEEE Power and Energy Society of IEEE GPREC SB has conducted an **Introduction to MATLAB** workshop for 3rd year Electrical and electronics students on 31 august 2019. There were two sessions and about 70 students have attended for each session.

Morning session was started by Dr. Abid Nayeemuddin .M and afternoon session by Dr.V.AnanthaLakshmi Associate professors of EEE Department, with the history, basics of MATLAB, explained different windows in MATLAB interface ,and the session was taken by Mr B.Vikas kumar Treasurer of IEEE GPREC SB and Ms P.Leena chair of PES IEEE GPREC SB explaining the applications of MATLAB Simulink library and different experiments using Simulink and the session was ended by a small quiz. Students awarded with IEEE goodies. Here are the few snaps taken during the session:



Subject: A report on a talk on “Recent trends in Electronics Engineering” conducted by IEEE PES Student Chapter.

On the occasion of 52nd Engineers Day, the GPREC IEEE PES Student Chapter organised a talk on “Recent trends in Electronics Engineering” by Dr.G.Eeranna, Professor, ECE Department, GPREC and is scheduled on 21-9-2019.

Dr.G.Eeranna explained the recent technologies in electronics. The session was started at 2:45 PM for II EEE students in E- Class room of EEE Block-II. 30 students attended the session and the session was ended by 3:30 PM. Here are the few snaps taken during the session:



Subject: Report on “**Panel Discussion**” conducted by IEEE PES student chapter.

Objective: The main objective of the panel discussion is to discuss the different electrical saving methods among the students.

Description: IEEE PES student chapter conducted a panel discussion on the topic “**saving electrical energy**” for 2nd year Electrical and electronics engineering students on 23rd September 2019, About 70 students have attended the discussion.

Totally about 7 teams have participated in the panel discussion, each team consists of 5 members each team has shared various electricity saving methods like using led lights, high star rating appliances, maintenance of power equipments, power savers etc., out of 7 teams, 2 teams have secured first and second places. All the students participated very actively. A few photo snaps of the event.



Date: 23- 09-2019

Subject: A report on Faraday Memorial Lecture “**Michael Faraday Life Cycle**” conducted by IEEE PES Student Chapter.

On the occasion of 228th Birth Anniversary of Michael Faraday (22nd September 1791) the GPREC IEEE PES Student Chapter organised a Faraday Memorial Lecture on “Michael Faraday Life Cycle” by **Dr.G.Eeranna**, Professor, ECE Department, GPREC and is scheduled on 21-9-2019.

Dr.G.Eeranna explained the childhood days of Michael Faraday , discoveries made by him and the awards achieved by him. The session was started at 2:00 PM for IEEE students in E- Class room of EEE Block-II. 30 students attended the session and the session was ended by 2:45 PM with a small quiz. Students awarded with IEEE goodies. Here are the few snaps taken during the session:



Sub: Report on A Three-Day HANDS –ON Workshop on “Industrial and Process Automation (IPA-2019)”– Reg

Industrial Automation is today a key pillar of every manufacturing organization strategy. Usage of robots, AI and latest generation software to execute routine tasks and minimizing human involvement is proving to be extremely cost effective solution to the challenges of modern manufacturing. It helps in increasing quality, reliability and production rate and reducing overall cost of production. Use of industrial automation minimizes human errors. With the reduction of human errors, uniformity and product quality can be improved. To create awareness among the students, the IEEE Industrial Applications society and Power and Energy Society Students’ chapters in EEE department has taken initiative and invited emeritus people and highly experienced professionals in the field of industrial automation. In this context to encourage the IEEE professionals, IAS and the PES chapter members, the Faculty Advisor of GPREC IEEE IAS/PES students’ chapter planned to conduct A Three Day HANDS –ON Workshop on “Industrial and Process Automation (IPA-2019) from 27th to 29th September 2019.

OBJECTIVE:

The main motto behind organizing the workshop was to make the participants learn about the best emerging technologies in Industrial and process automation and trends, which are advancing in new technologies from time to time.

Target Audience:

UG and PG Students . The following are the sample copies of photos that were taken during the workshop.



About the IPA-2019 Workshop:

Industrial automation enables the process variables to be maintained at desired values with the help of closed-loop control techniques. Automated machines or robots can work in hazardous working conditions and reduce manual error. It provides knowledge of the different systems available and their applications, enabling engineers to design automation solutions to solve real industry problems. It includes case studies and practical information on key items that need to be considered when procuring automation systems. The workshop presents a close approach to Industrial automation and trends in present scenario. The major topics covered during the workshop are as follows.

- Architecture CPU Capabilities I/O devices
- Experiments -Hands-on Training of DOL starters etc.
- Work on Variable Frequency Drives -Step speed - VFD Programme.
- Introduction to PLC programming software and Instructions And Solving Industrial examples
- Introduction to –SACADA Mimic Diagrams Creating a new Project – Bottle filling.
- Creating point database Interfacing points to object linking
- Introduction to -Creating buttons -Text messages -Values and Timer.etc
- Running one fully integrated project with, SCADA, PLC, Laser sensor, Encoder..etc

The following are the resource persons who came from Venjay Automation, Bangalore 1.V. Arun Kumar 2. Chiranth Venugopal 3. Bhaskar A total number of 58 (IEE Members 2 + Non IIEEE members 56) participants for the workshop are attended from our G.Pulla Reddy Engg. College, Kurnool, A.P. Snacks facility was provided to all attendees of the workshop. Certificates were distributed to participants during valedictory function.

OUTCOMES:

At the end of this workshop the participants were able to

- Write PLC programme
- Understand SCADA Mimic Diagrams Creating a new Project
- Create buttons -Text messages -Values and Timer
- Run one fully integrated project with, SCADA, PLC, Laser sensor, Encoder.

To ensure the above outcomes quiz test was conducted and top three were given merit certificates.

The following are the sample copies of photos that were taken during the workshop.



Subject: A report on the” outreach program conducted by IEEE PES Student Chapter.

IEEE Power and Energy Society of IEEE GPREC SB has conducted an outreach program for school students of class 7th,8th,and9th on 4th January 2020 from 2pm to 3pm for the students of SreeSaraswathisishumandir school .about 120 students have attended the program .

Description:

IEEE PES students exhibited the models of electricity generating stations like hydro power plant ,thermal power plant ,wind power plant and solar power plant to the students and explained the working operation of each power plant.

Many doubts were cleared regarding the working of power plants to the students. In this regard the working principle of generator and motor was explained briefly to the students. The students have shown keen interest and effectively listened throughout the program.

ANOKHA REPORT 2020

ANOKHA 2020 is a two-day WIE Congress conducted at G PULLA REDDY ENGINEERING COLLEGE. The event focussed on the theme of changing yourself for the betterment of society. This gave students the requisites for Industry 4.0. The two-day congress was organised by IEEE GPREC WIE Affinity in association with IEEE PES/IAS chapters on 28th and 29th February 2020.

No of participants: 380

Venue: G. Pulla Reddy Engineering College Kurnool

Theme: The theme for ANOKHA 2020 was “CHANGE YOURSELF FOR THE BETTERMENT OF SOCIETY”.

When one helps the other person, amazing things will happen, and professional careers leap forward ANOKHA 2020 is organised. Technology plays a pivotal role in the present era to transform every individual to an indelible mark in workplaces. With the idea to educate, energize, empower, encourage and motivate the student community on the latest technological innovations and on the skills required to work in industries, IEEE GPREC SB has invited distinguished speakers from various sectors who will be delivering talks on different tracks like leadership, role of students for the better society, Artificial Intelligence and Machine Learning, Argument and Virtual Reality.

As the tagline, change yourself for the betterment of society indicates this congress will be a metamorphose for every individual to carve the new in them and in turn helps them to achieve their aspirations. So, this has been a great colloquium to exchange wisdom and acuity.

OF SOCIETY”.

The event started with an interactive session named “Networking Circles” with the participants.

The inaugural ceremony of ANOKHA 2020 commenced with lighting of lamps followed by keynote welcome speech to the dignitaries attended and inviting them on to the dais.

The welcome speech was delivered by Ms.Reethika Manda of III ECE, Secretary of GPREC student branch. The event progressed with the addresses by our notable personalities. Mr. Y.V. Shiva Reddy advised the gathering to not only change but empower yourself. He encouraged the participants. Ms. J. Namratha Manohar discussed some points on the theme “CHANGE YOURSELF FOR THE BETTERMENT

MGPL. Narayana sir started with a story of a gentleman who was set to change society. He delivered a message of changing oneself primarily instead of trying to change society because society changes when one starts a change in oneself. A small change in attitude is enough. The start should be from ourselves which in turn it will lead to change in society.

DAY 1:

SESSION 1

Dr.Sree Lakshmi

After inauguration the event is triggered by Dr.Sree Lakshmi on “MEETING 2030 GOALS – ROLE OF INDIAN WOMEN IN STRATEGIC AREAS”.

SESSION 2

Mr.MGPL NARAYANA

The next session was delivered by Mr.MGPL Narayana on “LEADERSHIP SKILLS FOR SURVIVING AND THRIVING IN MODERN SOCIETY”.

SESSION 3

Mrs. E. Shobha

The event continued by Mrs. E. Shobha with her lecture on “ROLE OF STUDENTS FOR ENHANCED SOCIETY”.

SESSION 4

Dr.J.Namratha Manohar

The event was progressed by an enthusiastic session by Dr.J. Namratha Manohar with the theme “EVOLVE FROM ONE TO MANY-FOR BETTER SELF, FAMILY AND SOCIETY”.

DAY-2

The second day of ANOKHA 2020 started with great energy and enthusiasm. The event kick started with a session by Dr. Mrs. Surekha Rajendra Deshmukh.

SESSION 1

Dr. Mrs. Surekha Rajendra Deshmukh

Dr. Mrs. Surekha Rajendra Deshmukh gave her views on the theme “ROLE OF AI AND DATA MINING IN CORE ENGINEERING”.

SESSION-2

Mr. P. Teja

The event progressed with a lecture by Mr. P. Teja on “DATA”. The session started with an explanation of “DATA”.

SESSION-3

Mr. Ikram Ali Shaik

The event was triggered by an enthusiastic talk on “AR & VR – THE NEXT EVOLUTION”. He took us to the world of AR-VR

Snap shot of the activity:

