

# PRAGATI ENGINEERING COLLEGE

## ELECTRICAL TIMES

VOL # 28

July to December 2020



## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### *ABOUT THE DEPARTMENT:*

The **Electrical and Electronics Engineering** Department of **Pragati Engineering College** is fully Equipped with state of art laboratories' and its faculties consists of highly experienced professors, well qualified associate professors and dynamic assistant professors with commitment to give the young minds the very best they deserve.

### *ABOUT THE DEPARTMENT:*

#### **Vision of the Institute:**

“To emerge as a Premier Institution for Technical Education in the Country through Academic Excellence and to be recognized as a Centre for Excellence in Research & Development, catering to the needs of our Country.”

#### **Mission of the Institute:**

“To realize a strong Institution by consistently maintaining State-of-art-infrastructure and building a cohesive, World Class Team and provide need based Technical Education, Research and Development through enhanced Industry Interaction.”

#### **Vision of the Department:**

“To excel in Engineering Education and Research, inculcating professional and social ethics among the students through academic excellence in the field of Electrical & Electronics Engineering.”

**Mission of the Department:**

**M1:** To impart quality Technical Education with better infrastructure for students to make them globally competent and technically strong.

**M2:** To collaborate with industries and academic institutions to enhance creativity and innovation with professional and ethical values.

**M3:** To motivate faculty and students to do impactful research on societal needs and to build team work among them.

**Program Educational Objectives (PEOs):**

**PEO1**

To produce graduates with a strong foundation in the Basic Sciences, Mathematics, Computing and core knowledge in Electrical and Electronics Engineering through high quality Technical Education.

**PEO2**

To prepare graduates for successful and productive engineering careers, with emphasis on technical competency and with an attention to serve the needs of core and associated sectors by developing novel products and solutions for the real-time problems in a socio-economic way.

**PEO3**

To inculcate ethical attitude, honing effective communication skills and managerial skills to work in a multidisciplinary environment as a technocrat/administrator/entrepreneur and to acquire the knowledge for pursuing advanced degrees in Engineering, Science, Management, Research and Development.

**Program Outcomes (POs):**

**1. Engineering Knowledge:** Apply the knowledge of Mathematics, Science, Engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**2. Problem Analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of Mathematics, Natural Sciences, and Engineering Sciences.

**3. Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**4. Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**5. Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**6. The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**7. Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**9. Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**11. Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**12. Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

### **Program Specific Outcomes (PSOs)**

**Engineering Students will be able to:**

**PSO1:** Apply the knowledge of Electrical and Electronics Engineering in Hardware and Software tools for interdisciplinary project management techniques.

**PSO2:** Acquire the knowledge of Electrical and Electronics Engineering to participate in national and international competitive examinations for successful higher studies and employment.

### **ABOUT THE ELECTRICAL ASSOCIATION:**

Association of IE(I) is organizing national level technical event "EXULT". The national level technical symposium has events like paper presentations, quiz competitions, project model displays and poster presentations from various engineering colleges. We have been organizing

“EXULT” for last eleven years. Eminent personalities from various colleges and Universities are invited to act as Judges and made it a grand success.

The main aim of this symposium is to highlight the current status and emerging trends of technology in various topics towards the betterment of industrial research and IT fields. It will be a great opportunity for students to exchange their experiences through innovative ideas and make them acquired with latest technological trends.

### LIST OF FACULTY MEMBERS:

1. Dr. K. Sathyanarayana	M.Tech, Ph.D, MIE, MIEEE, MISTE, C Eng
2. Dr. G.Naresh	M.Tech, Ph.D, MIEEE, MISTE
3. Dr. R.Satishkumar	M.E, Ph.D
4. Mrs. P. VijayaPrasuna	M.Tech
5. Mr.S.Ashokreddy	M.Tech
6. Mrs. K. Sandhya Rani	M.Tech
7. Mr.M.Veera Chandra Kumar	M.Tech
8. Mr. M. Mani Shankar	M.Tech
9. Ms.S.Vara Lakshmi	M.Tech
10. Mr. K.Siva Shankar	M.Tech
11. Mrs.V.R.V.S.Saivalli	M.Tech
12. Mrs. G. Durga Devi	M.Tech
13. Mrs. Ch.V.V.Manga Lakshmi	M.Tech
14. Mrs.M.Manga Lakshmi	M.Tech
15. Mr. M.Satya Harish	M.Tech
16. Mr. Ch.Pavankumar	M.Tech
17. Ms. S.Sravani	M.Tech
18. Mr.B.Rathankumar	M.Tech
19. Mr.K.V. Durga Prasad	M.Tech
20. Mr.T.Prasanthjayakumar	M.Tech
21. Mr.S.Sudhakarrasamsetti	M.Tech
22. Mr.B.Veerababu	M.Tech
23. Ms.P.Sandhya	M.Tech
24. Mr.T.Srinivas	M.Tech
25. Mr.K.SreeHarsha	M.Tech

### Department achievements

- 1) Department of Electrical and Electronics Engineering received a grant of 1.54 Lacks from **AICTE** to conduct a Short Term Training Programmes (STTPs) on “**Recent Trends in Electric Vehicles**” Under **AQIS**
- 2) Department of Electrical and Electronics Engineering received an allotment letter to conduct an Induction/Refresher programme on “**Hybrid Energy Storage Systems – DPE**” from **AICTE-ISTE** with a grant of 282000/-.
- 3) Department of Electrical and Electronics Engineering received grant of 11.06 Lacks from **AICTE** under the scheme of **MODROB** with title of the Project: “**Voltage Sag/Swell Mitigation using FPGA controller based Unified Power Quality Conditioner**”

## Department Activities

### **AICTE Sponsored online STTP conducted by EEE department:**

#### **1. Short Term Training programme (Phase-I) on “Recent Trends in Electric Vehicles (from 30.11.2020 to 05.12.2020)”**

##### **About the Short Term Training programme:**

AICTE Sponsored National level Short Term Training Programme (STTP-Phase I) on “Recent Trends in Electric Vehicles” organized by Department Electrical & Electronics Engineering, Pragati Engineering College From 30.11.2020 to 05.12.2020



In this STTP 155 members have participated, out of whom 128 were external participants (all over India) , 07 members from various industries and 20 are from Pragati Engineering College. Participants included Research Scholars & Academicians form varied background.

The main objective of the STTP was to introduce advanced academic research as well as industry practices in the field of Electric Vehicle development to faculty and PhD/PG students. Around 155 participants were attended the STTP. The sessions were handled by Eminent speakers from premier institutions like IIT's, NIT's State Universities and Industry persons.

The Department of Electrical and Electronics Engineering (EEE), Pragati Engineering College, has received a grant from AICTE, Government of India, to conduct Short Term Training Programme (STTP) Under AQIS.



## Outcome

Familiarization of advanced academic research as well as industry practices in the field of Electric Vehicle Development to faculty and PhD/PG students.

## Speakers / Guests Details

- **Dr.Ch.Sai Babu**, Professor of EEE and Director of foreign university Regulations, JNTUK
- **Dr. Krishna Swami naidu**, Assistant Professor, Dept. of EEE, IIT Varanasi, Uttarpradesh.
- **Dr. B.Dastagiri Reddy**, Assistant Professor, Dept. of EEE, NIT Karnataka, Surathkal.
- **Dr.N.Viswanathan**, Professor, Dept. of EEE, NIT Warangal.
- **Dr.P.Satish Kumar**, Asst. Prof., Dept. of EEE, University college of Engineering, Osmania, HYD
- **Dr.V.Sandeep**, Assistant Professor & HOD- EEE, Dept. of EEE, NIT Andhra Pradesh
- **Dr.Kumaravel S**, Assistant Professor, Dept. of EEE, NIT-Calicut
- **Dr.P.Shankar**, Assistant Professor, Dept. of EEE, NIT Andhra Pradesh
- **Dr.S.Senthil kumar**, Associate Professor, Dept. of EEE, NIT , Tiruchirappalli
- **Dr.Chandrasekhar Yammani**, Assistant Professor, Dept. of EEE, NIT Warangal

Number of Participants: 155

## 2. Short Term Training programme (Phase-II) on “Recent Challenges & Emerging Opportunities in Electric Vehicles (from 07.12.2020 to 12.12.2020)”

### About the Short Term Training programme:

AICTE Sponsored National level Short Term Training Programme (STTP-Phase II) on “Recent Challenges & Emerging Opportunities in Electric Vehicles” organized by Department Electrical & Electronics Engineering, Pragati Engineering College From 07.12.2020 to 12.12.2020



In this STTP 177 members have participated, out of whom 154 were external participants (all over India) , 02 members from various industries and 21 are from Pragati Engineering College. Participants included Research Scholars & Academicians form varied background.

The main objective of the STTP was to serve the Engineering Community to realize the need for Hybrid Electric Vehicles and to introduce advanced academic research as well as industry practices in the field of Electric Vehicle development to faculty and PhD/PG students. Around 177 participants were attended the STTP. The sessions were handled by Eminent speakers from premier institutions like IIT's, NIT's State Universities and Industry persons.

The Department of Electrical and Electronics Engineering (EEE), Pragati Engineering College, has received a grant from AICTE, Government of India, to conduct Short Term Training Programme (STTP) Under AQIS.

### **Outcome**

Familiarization of advanced academic research as well as industry practices in the field of electric vehicle development to faculty and PhD/PG students.

### **Speakers / Guests Details**

- **Sri AVLK Jagannadha Sharma**, Executive Engineer, State Nodal Agency for EV Policy for A.P State operations, APEPDCL & APPCC Vidyuth Soudha/Vijayawada, Andhra Pradesh
- **Dr. C.Carunaiselvane**, Assistant Professor, Dept. of EEE SRM University.
- **Dr. Prajof.P**, Assistant Professor, Dept. of EEE, NIT Karnataka,
- **Dr.N.Manoharan**, Former Defence & Bank Executive.
- **Dr.Venkata Ramana Naik**, Asst. Prof., Dept. of EEE,NIT Roorkele,Odisha.
- **Dr.Raveendra Dogga** , Founder & Director of Technical Zunik Engineers Pvt. Ltd.
- **Mr.Jayatheerth S** , Managing Director , EO smart charging stations , Saurashakthi, Hyderabad.
- **Mr.M.Suresh**,Managing director, Shalem Enterprises, Hyderabad.

**Number of Participants:** 177

### **❖ Engineer's day celebration in department on 15/9/2020**

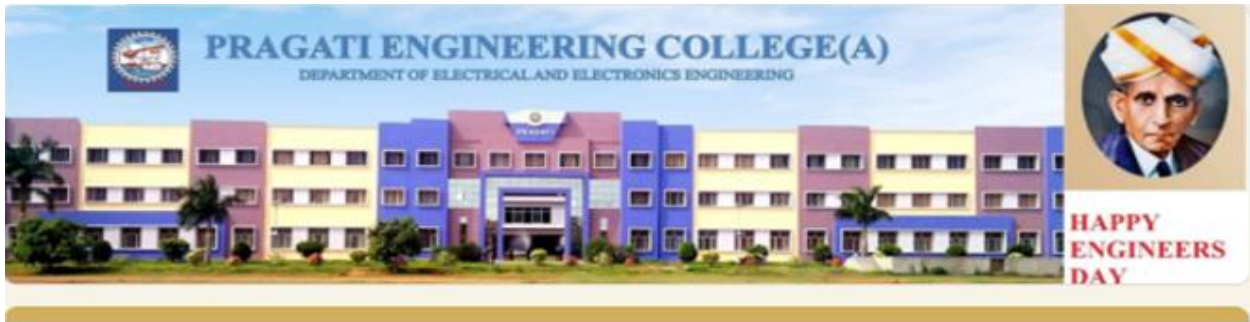
The Engineering Community across India is celebrating Engineers Day on 15 September every year as a remarkable tribute to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. He is held in high regard as a pre-eminent engineer of India .

Engineer's day was celebrated on the occasion of 160 th birthday of Sir M Visvesvaraya on 15th September by the department of **Electrical and Electronics Engineering** in association with the student chapter Institution of Engineers(India), **chapter code-533437/PEC/EE**.

1.In this regard we conducted an “e-Quiz” through Google Forms App on the topic "Recent Trends in Electrical Engineering” dated on 15<sup>th</sup> September 2020 from 9AM to 6 PM.

The details of participation is provided in the link

Quiz Link: <https://forms.gle/ePKfHNuevhWxat5TA>



## National Level e-Quiz on "RECENT TRENDS IN ELECTRICAL ENGINEERING"

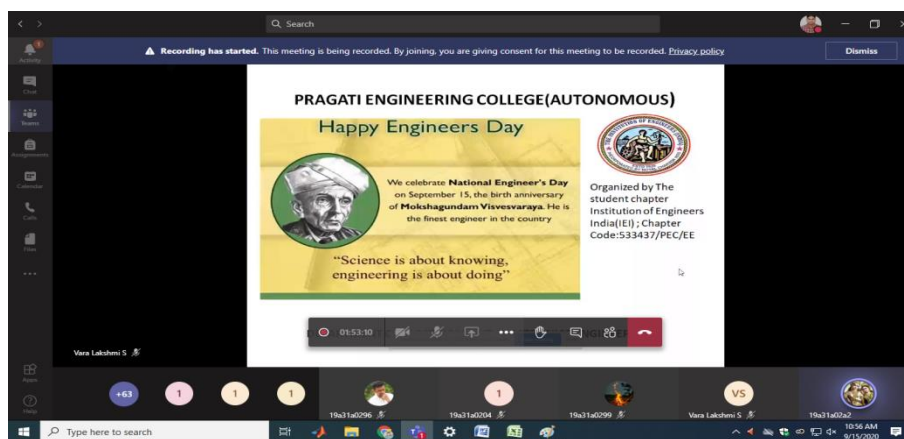
**Total 86 students participated in the competition out of which 60 members certified.**

S.No	Roll No	Name of the student	S.No	Roll No	Name of the student
1	17A31A0274	Tushara mantripragada	31	19A35A0215	G.Kumar Swamy
2	18A35A0203	T.Bhavani	32	19A31A0226	Ch.Chakradhari
3	18A31A0242	Narla Suryakiran	33	18A35A0212	P.Sai Hanvesh
4	17A31A0244	Ravipati Akhil ganesh	34	19A31A0203	Pavani Dangudubiyam
5	19A31A0204	D.S.N.L Priyanka	35	19A31A0283	Ch Vmanikanta anjaneya
6	18A31A0254	Y vamsi krishna	36	17A31A02A5	Raghavendra Prodduturi
7	18A31A0281	A.Satish	37	17A31A0251	Tummalapalli kiran teja
8	19A31A0250	Rahul simma	38	18A35A0215	T.N.S.Amrutha
9	19A35A0202	Surya kiranmai	39	18A35A0226	V.Prabhu raju
10	17A31A0217	Mounika utukuri	40	17A31A0279	B pavan teja
11	19A31A02A8	T.Sai venkat kumar	41	18A31A0294	Venkatesh K
12	18A31A0264	Koyya monika	42	18A35A0222	Kumar
13	18A31A0242	Narla Suryakiran	43	19A35A0207	Kishore
14	18A31A0206	Kothapalli.Ganga bhavani	44	17A31A0257	Srihari vulavala
15	19A31A0221	S.L .Alekhaya	45	19A31A0207	G.b.v.nandini
16	19A31A0220	Ishwarya Madhuri salad	46	17A31A02A7	Ramayanam sai sunandh
17	19A31A0236	Kornani Bharath	47	19A31A02A2	P.krishna swamy
18	17A31A0218	V S S V Phani sahitya	48	18A31A0239	Meenavalli V V Rama Krishna
19	18A31A0253	Y Surya Dheeraj	49	19A31A0264	Kapu naga haritha pravallika
20	19A31A0296	Kasi Mandapalli	50	19A31A0244	P.Prem kumar
21	19A31A0297	Umamahesh narla	51	19A31A0243	P.Sai nithin
22	19A31A0271	Supriya	52	19A31A0292	kona Naga pavan
23	18A31A0216	V. Varshitha	53	17A31A0275	V Manaswi



24	18A35A0202	Vishali	54	18A31A0220	Tarun Sai Amalakanti
25	19A31A0299	P surya venkata Manoj	55	18A31A0227	D,Vamsi
26	17A31A0259	B.kalyani	56	18A31A0230	Grandhi Venkata Rama Lakshman
27	18A35A0217	Chiranjeevi	57	18A35A0214	Maganti.padma sai bhavani
28	18A35A0208	Komarada Sai Manikanta	58	18A31A0208	Mendu Nikhita Satya Subbalakshmi
29	18A31A0223	Chilukuri Varaprasad	59	17A31A02B6	Satish Kumar
30	17A31A0216	Sula Sita Maha Lakshmi	60	19A31A0230	K.Reddy praveen reddy

2) In this regard we conducted an “E-elocution” through Google teams App on the topic “Recent Trends in Electrical Engineering” dated on 15<sup>th</sup> September 2020 from 10AM to 11AM. 20members actively participated in this event



## Faculty Participations:

### ➤ Paper Publications: 12 Nos

1. Ms.Ch.Uma sita Mahalakshmi, **Dr.K.Satyanarayana**, and **Mr.S.Ashok Reddy**, published paper on “Performance Improvement of 3 Level DCMLI based BLDC Motor using Adaptive Neuro Fuzzy Inference System” in International Journal of Research and Analytical Reviews (IJRAR), Volume 7, Issue No.4, December-2020, E-ISSN 2348-1269.
2. Mrs.Hazara Begum, **Mrs.K.Sandhyarani**, and **Mrs.Ch.V.V.Mangalakshmi**, published paper on “Control and design for FOPID Based line-side converter of the Brushless Doubly Fed Induction Generator ” in International Journal of Engineering and Advanced Technology (IJEAT) , Volume 10, Issue No.2, December-2020, E-ISSN 2249-8958.
3. Mrs.Ramya Vasamsetti, **Ms.S.Varalakshmi**, and **Ms.M.Mangalakshmi**, published paper on “Voltage Regulation of Hydro Standalone 1-Ø Micro Grid Using Fuzzy Logic Based Adaptive Sliding Mode Control Algorithm ” in International Journal of Engineering and Advanced Technology (IJEAT), Volume 10, Issue No.2, December-2020, ISSN 2249-8958.
4. Mr.M.Harikrishna, **Mr.M.Satya Harish**, and **Mr.M.V.Chandrakumar**, published paper on “Development of Soft-Switching PWM Full-Bridge DC-DC Converter with charging Applications” in International Journal of Engineering and Advanced Technology (IJEAT), Volume 10, Issue No.2, December-2020, ISSN 2249-8958.
5. Mr.Sheik Rasheed, **Mr.Ch.Pavan Kumar**, and **Mr.M.Mani Shankar**, published paper on “Design of full bridge modular multilevel converter for low energy storage Requirements for HVDC Transmission system with Fuzzy Inference system ” in International Journal of Engineering and Advanced Technology (IJEAT), Volume 10, Issue No.2, December-2020, ISSN 2249-8958.

6. Mr.M.Phani Dileep, **Ms.S.Sravni**, and **Mrs.P.Vijaya Prasuna**, published paper on “Performance Improvement of the Grid Connected PV Inverter System With ANN Controller” in International Journal of Engineering and Advanced Technology (IJEAT), Volume 10, Issue No.2, December-2020, ISSN 2249-8958.

### ➤ Conferences:

1. **Mr. S. Sudhakar rasamsetti** has presented a paper entitled with “**High Efficiency DC-DC Boost Converter With Stacked Capacitors for Renewable Energy Applications**” in the 4<sup>th</sup> **International Conference** on Electronics, Communication and Aerospace Technology (ICECA-2020) by RVS Technical Campus, Coimbatore, India on 5-7, November 2020

### FDPs / Workshops Attended by the Faculty:

#### ➤ Workshops:

The following faculty attended the online **e-Workshops**

S.No.	Name of the Faculty	No of the e-Workshop attended	Certification type
1.	Dr. G. Naresh	27	Participation
2.	Ms. S.Varalakshmi	1	Participation
3.	Mr.M.Satyaharish	1	Participation
4.	Ms.S.Sravani	3	Participation

#### ➤ Faculty Development Programmes:

The following faculty attended the online FDP

S.No.	Name of the Faculty	No of the FDPS completed	Certification type
1	Dr. K. Sathyararyana	2	Participation
2	Dr. G. Naresh	65	Participation
3	Mrs. K. Sandhya Rani	4	Participation
4	Mr.K.Sivasankar	2	Participation
5	Ms.S.Sravani	6	Participation
6	Ms.S.Varalakshmi	4	Participation
7	Mr.M.Satyaharish	3	Participation
8	Mr.K.Sreeharsha	4	Participation
9	Mr.K.V.Durgaprasad	4	Participation
10	Mr.B.Rathan kumar	4	Participation
11	Mr.Ch.Pavan kumar	4	Participation
12	Mr.S.Ashokreddy	2	Participation
13	Mrs.G. Durga Devi	2	Participation
14	Mrs.M.MangaLakshmi	2	Participation
15	Mrs.Ch.V.V.M.Lakshmi	2	Participation

#### ➤ Short Term Training Programmes:

❖ **Organized:**

1) **Dr.K.Satyanarayana** , HOD-EEE has **Organized** one week AICTE Sponsored Short Term Training Programme Phase-I on “**Recent Trends in Electrical Engineering**” from 30-11-2020 to 05-12-2020.

2) **Dr.K.Satyanarayana** , HOD-EEE has **Organized** one week AICTE Sponsored Short Term Training Programme Phase-II on “**Recent Challenges and Emerging Technologies in Electrical Vehicles**” from 07-12-2020 to 12-12-2020.

❖ **Attended:**

**The following faculty attended the STTP: 98 Nos**

S.No.	Name of the Faculty	No of the fdps completed	Certification type
1	Dr. K. Sathyanarayana	02	Organized
2	Dr. G. Naresh	51	Participation
3	Mrs. K. Sandhya Rani	3	Participation
4	Ms.S.Vara Lakshmi	2	Participation
5	Mr.K.Sivasankar	2	Participation
6	Mrs. V.R. V.S.SaiValli	2	Participation
7	Mr.M.Satya Harish	2	Participation
8	Mr.Ch.Pavan Kumar	2	Participation
9	Mr.B.Rathan Kumar	2	Participation
10	Ms.S.Sravani	2	Participation
11	Mr.K. V. Durga Prasad	2	Participation
12	Mr.T.Prasanthjayakumar	2	Participation
13	Mr.S.Sudhakarrasamsetti	2	Participation
14	Mr.B.Veerababu	2	Participation
15	Ms.P.Sandhya	2	Participation
16	Mr.T.Srinivas	2	Participation
17	Mr.K.SreeHarsha	2	Participation
18	Mrs. P. VijayaPrasuna	2	Participation
19	Mr.M.V.Chandra Kumar	2	Participation
20	Mrs.Ch. V. V.M. Lakshmi	2	Participation
21	Mrs.M.Manga Lakshmi	2	Participation
22	Mrs.G. Durga Devi	2	Participation
23	Mr.S.Ashokreddy	2	Participation
24	Mr.M.Manishankar	2	Participation

➤ **Online Quizes**

**The following faculty awarded by the e-quiz certificates (External): 26 Nos**

S.No.	Name of the Faculty	No of the Quizes	Certification type
1	Dr. G. Naresh	21	Quiz completion
2	Mrs. K. Sandhya Rani	2	Quiz completion
3	Ms.S.Sravani	3	Quiz completion
4	Mr.B.Rathan kumar	2	Participation
5	Mr.Ch.Pavan kumar	2	Participation

6	Mr.S.Ashokreddy	2	Participation
7	Mrs.G. Durga Devi	2	Participation
8	Mrs.M.MangaLakshmi	2	Participation
9	Mrs.Ch.V.V.M.Lakshmi	2	Participation

➤ **Webinars :**

- The following Faculty received International /National level webinars(Internal):191 Nos

S.No.	Name of the Faculty	No of webinars Attended
1.	Dr. K. Sathyanarayana	10
2.	Dr. G. Naresh	167
3.	Mrs. K. Sandhya Rani	4
4.	Mr.M.Satya Harish	2
5.	Ms.S.Sravani	8
<b>Total</b>		<b>191</b>

➤ **Certification courses : 64 nos**

The following Faculty received MHRD/online session certificates: 08 Nos

S.No.	Name of the Faculty	No of the sessions Attended
1	Dr. K.Satyanarayana	3
2	Dr. G. Naresh	5
<b>Total</b>		<b>08</b>

**PLACEMENTS:**

S.NO	ROLL NO	NAME OF THE STUDENT	SELECTED COMPANY
1.	17A31A0283	Geesala Vijay Kumar	TCS Codevita
2.	17A31A02A7	Ramayanam Sai Sunandh	
3.	17A31A0210	Moparthi Sruti	Capgemini
4.	17A31A0255	Veerubhotla Satya Ravi	
5.	17A31A0276	Yalla Sai Ram Akhila	
6.	17A31A0297	M V S S Ramakrishnakanth	
7.	17A31A02A8	Sai Vathsav Jonnalagadda	
8.	18A35A0209	Kota Ravindra Sai	
9.	18A35A0212	P.Sri Rama Sai Hanvesh	
10.	17A31A0289	Kommu Sriram Datta	Zenq
11.	17A31A0208	Mavireddy Vijaya Lakshmi	TCS Ninja
12.	17A31A0211	Mutya Sai Srikari	
13.	17A31A0214	Sathi Keerthi Priyanka	
14.	17A31A0218	V S S Venkata Phanisahitya	
15.	17A31A0226	Cheerla Sai Sandeep	
16.	17A31A0259	Balireddy Kalyani	
17.	17A31A0260	Bethina Vaishnavi Devi	
18.	17A31A0289	Kommu Sriram Datta	
19.	17A31A02A5	Prodduturi Raghavendra	



20.	18A35A0203	Teki Bhavani	
21.	18A35A0209	Kota Ravindra Sai	

### **Student Achievements in various activities:**

1) **Mr.K.Javeed**(18A31A0298), **Mr.K.Venkatesh**(18A31A0294), **Mr.D.Premkumar** (18A31A0286), **Mr. Ch Siva Rama Krishna** (18A31A0283), **Mr.R V V Satyanarayana**, (18A31A02A1), **Mr.T. H S S V Mani Vamsi**(18A31A02A5) are selected for the **Semifinals in India Innovation Challenge Design Contest IICDC-2019** Organized by DST & Texas Instruments (TI) Inc. powered by **AICTE mission**, anchored by NSRCEL@IIMB and supported by MyGov with a project title of Power theft detection

### **❖ Project idea in ChattraViswakarma Awards-2020:07 nos**

S.No	Event	Title	Student(s)name	Class	Name of the event & venue	Date(s)
1.	Project/Idea	Man –Wild life conflict	K.Aditya Karthik (Team Leader)	III-II-A	ChattraViswakarma Awards 2020	Dec 2020
2.	Project/Idea	Man –Wild life conflict	D.Ram Mohan	III-II-A	ChattraViswakarma Awards 2020	Dec 2020
3	Project/Idea	Man –Wild life conflict	V.Manideep	III-II-A	ChattraViswakarma Awards 2020	Dec 2020
4	Project/Idea	Power theft detection using smart meters	K.Javeed (Team Leader)	III-II-B	ChattraViswakarma Awards 2020	Dec 2020
5	Project/Idea	Power theft detection using smart meters	K.Venkatesh	III-II-B	ChattraViswakarma Awards 2020	Dec 2020
6	Project/Idea	Power theft detection using smart meters	D.Premkumar	III-II-B	ChattraViswakarma Awards 2020	Dec 2020
7	Project/Idea	Power theft detection using smart meters	G.D.V.S.Harish	III-II-B	ChattraViswakarma Awards 2020	Dec 2020

### **SEMINARS:**

### **ONE DAY SEMINAR“AWARENESS PROGRAMME ON ELECTRICAL ENERGY CONSERVATION” on 16<sup>th</sup> DECEMBER 2020**

The Department of Electrical and Electronics Engineering , Pragati Engineering College (Autonomous) Organized a one day Awareness programme on “**Electrical Energy Conservation** ” on December 16, 2020 in F25 Conference hall under the Student’s Chapter- Institution of Engineers (India), Chapter code: 533437/PEC/EE, in Association with APEPDCL , Jaggampeta



The dignitaries on the dias were Dr.S.Sambhu Prasad ,Principal, Pragati Engineering College, Dr.K.Satyanarayana, Vice-Principal, HOD-EEE, Faculty Advisor of Institution of Engineers, Chief guests Shri Y.David, Executive Engineer, APEPDCL, Jaggampeta, Ms.Y.Prateeka, MS(London), Shri. B.A.S.Kumar raja , A.E, APEPDCL , Gandepalli This programme conducted in Microsoft Teams app, 160 students had participated in this event from various trades.

➤ **The following students received NPTEL certificate:**

S.No	Roll No.	Student Name	Course Name	Certificate Type
1	18A31A0202	Jangareddi Harichandana	Developing Soft Skills and Personality	Elite+Silver
2	18A31A0203	Kasilanka Sai Ramyakrishna	Developing Soft Skills and Personality	Successfully completed
3	18A31A0204	Kola Sri Lakshmi Akanksha	DC Microgrid and Control System	Elite
4	18A31A0205	Koreddy Naga Durga	DC Microgrid and Control System	Elite
5	18A31A0206	Kothapalli Ganga Bhavani	Developing Soft Skills and Personality	Elite
6	18A31A0207	Medapati Sujatha	Developing Soft Skills and Personality	Elite
7	18A31A0209	N Durga Santhoshi Mata	Soft skills	Elite+Silver
8	18A31A0211	Pachhigolla Ramya Sri	Developing Soft Skills and Personality	Successfully completed
9	18A31A0212	Pantham Udaya Sree	Soft skills	Elite+Silver

10	18A31A0213	Thota Sruthi	DC Microgrid and Control System	Elite
11	18A31A0214	T Srisumanpravarsha	Soft skills	Elite
12	18A31A0215	Upadhyay Sakshee	Developing Soft Skills and Personality	Elite
13	18A31A0216	Vankayala Varshitha	Developing Soft Skills and Personality	Successfully completed
14	18A31A0220	Amalakanti Tarun Sai	Developing Soft Skills and Personality	Elite
15	18A31A0222	Chaganti Janardhan Kamesh	Developing Soft Skills and Personality	Successfully completed
16	18A31A0223	Chilukuri Vara Prasad	Developing Soft Skills and Personality	Elite
17	18A31A0224	Chirla Veerraghava Reddy	Developing Soft Skills and Personality	Successfully completed
18	18A31A0226	Desamsetti Surya Kumar	Developing Soft Skills and Personality	Elite
19	18A31A0227	Devarakonda Vamsi	Problem solving through Programming In C	Elite+Silver
20	18A31A0228	Doddi Ram Mohan	Developing Soft Skills and Personality	Elite
21	18A31A0230	G Venkata Rama Lakshman	Developing Soft Skills and Personality	Elite+Silver
22	18A31A0232	Kola Umar Satish Kumar	Developing Soft Skills and Personality	Elite
23	18A31A0233	Kollapureddy Satya Nukesh	DC Microgrid and Control System	Successfully completed
24	18A31A0234	Kompella Aditya Sri Harsha	Developing Soft Skills and Personality	Elite
25	18A31A0236	K Chinna Venkata Reddy	Developing Soft Skills and Personality	Successfully completed
26	18A31A0237	Makineedi Akash	Introduction to Smart Grid	Successfully completed
27	18A31A0242	Narla Surya Kiran	Developing Soft Skills and Personality	Elite+Silver
28	18A31A0244	P Siva Sai Durga Anil Kumar	Developing Soft Skills and Personality	Elite
29	18A31A0245	P Satya Venkata Ganesh	Developing Soft Skills and Personality	Elite
30	18A31A0249	Varasala Tarun Kumar	Introduction to Smart Grid	Successfully completed
31	18A31A0250	V S Rama Krishna Chaitanya	Developing Soft Skills and Personality	Elite
32	18A31A0251	Velpuri Manideep	Developing Soft Skills and Personality	Successfully completed
33	18A31A0252	Venkata Mani Teja Sunkara	Developing Soft Skills and Personality	Elite
34	18A31A0253	Y Surya Dheeraj	Developing Soft Skills and Personality	Elite
35	18A31A0254	Yeju Vamsi Krishna	Developing Soft Skills and Personality	Elite
36	18A31A0255	Yeturi Naga Surendra	Developing Soft Skills and Personality	Elite

37	19A35A0202	Vadaparthi Surya Kiranmai	Introduction to Smart Grid	Successfully completed
38	19A35A0203	Amajala Sri Ram Pavan	Introduction to Smart Grid	Successfully completed
39	19A35A0206	Mudunuru Satya Sriram	DC Microgrid and Control System	Elite
40	19A35A0207	Patra Sai Kishore	Developing Soft Skills and Personality	Elite
41	19A35A0209	Sivaneni Anand Eswar	DC Microgrid and Control System	Elite
42	19A35A0210	Vasamsetti Veera Venkata Lokesh	DC Microgrid and Control System	Successfully completed
43	18A31A0256	Arsha Zaheen	Introduction to internet of things	Successfully completed
44	18A31A0258	Baruku Chandini	Developing Soft Skills and Personality	Elite
45	18A31A0259	Bathula Yasaswini Krishnasri	Introduction to internet of things	Successfully completed
46	18A31A0260	Chodiseti Anjani	Soft skills	Elite+Silver
47	18A31A0261	Gowripattapu P D K Mahalakshmi	Developing Soft Skills and Personality	Elite
48	18A31A0262	Kondruthu Sambhavi Kavya Nikitha	Introduction to internet of things	Successfully completed
49	18A31A0263	Koppiseti Ramya	Developing Soft Skills and Personality	Elite
50	18A31A0264	Koyya Monika	Introduction to internet of things	Elite
51	18A31A0266	Mannepalli Mounika	Introduction to internet of things	Successfully completed
52	18A31A0267	Mariseti Radha Lahari	Soft skills	Elite+Silver
53	18A31A0268	Narukula Harika	Introduction to internet of things	Successfully completed
54	18A31A0269	Pulaparthi Purna Latha	Developing Soft Skills and Personality	Elite
55	18A31A0270	Pendyala Lasya Priya	Introduction to internet of things	Successfully completed
56	18A31A0271	Penke Sirisha	Developing Soft Skills and Personality	Successfully completed
57	18A31A0274	Sambattula Sai Archana Bhargavi	Introduction to internet of things	Successfully completed
58	18A31A0275	Y Naga Lakshmi Pranathi	Introduction to internet of things	Elite
59	18A31A0276	Yerra Yamini Ravali	Introduction to internet of things	Elite
60	18A31A0278	Vommi Prem Kumar	DC Microgrid and Control System	Successfully completed
61	18A31A0279	Vonteddu Sri Naga Sai Datha Vimal	DC Microgrid and Control System	Successfully completed
62	18A31A0281	Akana Satish	Developing Soft Skills and Personality	Elite + sliver
63	18A31A0282	Ankam Durga Satya Sai Kirankumar	Developing Soft Skills and Personality	Elite+Gold
64	18A31A0283	Chitrothu Siva Rama Krishna	Introduction to Smart	Successfully



			Grid	completed
65	18A31A0286	Dasari Premkumar	Introduction to Smart Grid	Successfully completed
66	18A31A0287	Gandham Sanjay Kumar	DC Microgrid and Control System	Successfully completed
67	18A31A0290	Guda Bhagya Vinayaka Yogi	DC Microgrid and Control System	Successfully completed
68	18A31A0291	Gummaregula Siva Sai Manohar	DC Microgrid and Control System	Successfully completed
69	18A31A02A0	Pakkurthi Eswar	Developing Soft Skills and Personality	Elite
70	18A31A02A2	Reddy Srikanth	Developing Soft Skills and Personality	Successfully completed
71	18A31A02A3	Reddy Uday Kiran	Developing Soft Skills and Personality	Elite
72	18A31A02A5	Thiparti H S S V Mani Vamsi	Introduction to Smart Grid	Successfully completed
73	19A35A0212	Yella Mahima Anjeelina	DC Microgrid and Control System	Successfully completed
74	19A35A0216	Galla Vijay Sagar	Introduction to Smart Grid	Successfully completed
75	19A35A0217	Gandeti Durga Venkata Satya Harish	Introduction to Smart Grid	Successfully completed
76	19A35A0218	Isukapatla Syam Sundar	DC Microgrid and Control System	Elite
77	19A35A0219	Jinnala Uma Mani Shankar	Introduction to Smart Grid	Successfully completed
78	19A35A0223	Malladi Ravi Varma	Introduction to Smart Grid	Successfully completed
79	19A35A0225	Vedula Sai Shyam	Introduction to Smart Grid	Successfully completed

### ONLINE COURSES DONE BY STUDENTS:

- 1) **Mr.K. Ravindra Sai (18A35A0209)** of IV EEE-A Completed “**Basics of Python**” in Coursera - University of Michigan from 19/7/2020 to 25/7/2020.
- 2) **Ms. Pratyusha vanaparthi (17A31A0219)** of IV EEE-A Completed “**Digital skills: social media**” in Accentunre from 2/7/2020 to 16/7/2020
- 3) **Ms.K.S Ramya Krishna(18A31A0203)** of III EEE-A Completed “**What is data science?**” in Coursera - University of Michigan from 5/7/2020 to 20/7/2020.
- 4) **Ms.G Venkata Rama Lakshman (18A31A0230)** of III EEE-A Completed “**AWS**” in APSSDC Summer Online Training Program from 13/7/2020 to 25/7/2020.
- 5) **Ms. G.DVS Harish (19A35A0217)** of III EEE-B Completed “**MHRD online session**” in MHRD innovation cell from 4/7/2020 to 7/7/2020.
- 6) **Ms.K.S Ramya Krishna (18A31A0203)** of III EEE-A Completed “**Career in Cloud Computing**” in APSSDC Webinar on 7/7/2020.

- 7) **Ms. T.Bhavani (18A35A0203)** of IV EEE-A Completed “**Introduction to html**” in Coursera from 1/8/2020 to 15/8/2020.
- 8) **Ms.Peruri.Sai Rama Aparna (19A31A0218)** of II EEE-A Completed “**Introduction to electronics, innovation counsel**” in Course era, MHRD from 1/8/2020 to 16/8/2020.
- 9) **Ms. Srilakshmi Katari (19A31A0212)**, of II EEE-A Completed “**English discrete point test**” Organized by vidya jyothi institute of technology hyderabad on 26/8/2020.
- 10) **Ms. Pavani Danguubiyam (19A31A0203)**, of II EEE-A Completed “**English discrete point test**” Organized by vidya jyothi institute of technology Hyderabad on 26/8/2020 in English on 26/8/2020.
- 11) **Ms. G.B.V.Nandini (19A31A0207)** of II EEE-A Completed “**English discrete point test**” Organized by vidya jyothi institute of technology hyderabad on 26/8/2020 in English on 26/8/2020.
- 12) **Ms. T.Bhavani (18A35A0203)** of IV EEE-A Completed “**Python**” in APSSDC Online Training Program from 12/9/2020 to 24/9/2020.
- 13) **Ms. T.Bhavani (18A35A0203)** of IV EEE-A Completed “**Induction motor**” in APSSDC Online Training Program from 13/9/2020 to 16/9/2020.
- 14) **Ms.G Venkata Rama Lakshman (18A31A0230)** of III EEE-A Completed “**Machine Learning Using Python**” in APSSDC Summer Online Training Program from 14/9/2020 to 23/9/2020.
- 15) **Mr. Naidani vamsi (18A31A0240)** of III EEE-A Completed Quiz on “**Cyber security awareness month by A.p**” on 18/8/2020.
- 16) **Mr. Naidani.vamsi (18A31A0240)** of III EEE-A Completed Quiz on “**Recent Trends in Electrical Engineering**” on 15/9/2020

**EDITORIAL BOARD COMMITTEE:****Staff**

1. Dr. K. Sathyanarayana, Professor - H.O.D
2. Ms. S. Varalakshmi, Assistant Professor

**Students:**

- M. SaiSrikari(IV EEE-211)  
G. Vijay Kumar (IV EEE-283)  
B.Y.Krishnasri (III EEE-259)  
K. Satyanukesh (III EEE-233)