

# PRAGATI ENGINEERING COLLEGE

## ELECTRICAL TIMES

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## 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 concepts of Power Systems, Power Electronics and utilization of Renewable Energy in implementation of interdisciplinary projects.

**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 ISTE 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 ITfields. 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, MIEEEE, MISTE, C Eng |
| 2. Dr. G.Naresh                 | M.Tech, Ph.D, MIEEEE, MISTE             |
| 3. Dr. B. Rajani                | M.E, Ph.D                               |
| 4. Mrs. P. Vijaya Prasuna       | M.Tech                                  |
| 5. Mr. S. M. Shariff            | M.Tech, M.B.A, MISTE                    |
| 6. Mrs. Ch. V. V. Manga Lakshmi | M. Tech                                 |
| 7. Mr. I. Murali Krishna        | M.Tech                                  |
| 8. Mr. I. Srinu                 | M.Tech                                  |
| 9. Mr. S. Ashok Reddy           | M.Tech                                  |
| 10. Ms. A. Durga Bhavani        | M.Tech                                  |
| 11. Mr. D. Krishna Chaitanya    | M.Tech                                  |
| 12. Mr. P. Krishna Chaitanya    | M.Tech                                  |
| 13. Mrs. K. Sandhya Rani        | M.Tech                                  |
| 14. Mr. M.N.V.VenkataBrahmam    | M.Tech                                  |
| 15. Mr. M. Veera Chandra Kumar  | M.Tech                                  |
| 16. Mr. G. Bhavanarayana        | M.Tech                                  |
| 17. Mr. S. V. V. S. K. Reddy    | M.Tech                                  |
| 18. Mr. B. Anil Kumar           | M.Tech                                  |
| 19. Mr. M. Mani Shankar         | M.Tech                                  |
| 20. Mrs. G. Durga Devi          | M. Tech                                 |
| 21. Mrs.T.Himaja                | M.Tech                                  |
| 22. Mr.I.Prudhvi kumar          | M.Tech                                  |
| 23. Mr. K. Murali Krishna       | M.Tech                                  |
| 24. Mr. B. Sai Kumar            | M.Tech                                  |
| 25. Ms.S.Vara Lakshmi           | M.Tech                                  |
| 26. Mrs. M. Manga Lakshmi       | M.Tech                                  |
| 27. Mr.K.Srinivasu              | M.Tech                                  |
| 28. Mr.M.Balaji                 | M.Tech                                  |
| 29. Mr.N.Sunil kumar            | M.Tech                                  |
| 30. Ms.K.Geetha                 | M.Tech                                  |
| 31. Mr.Pradeep Raj Vardhan      | M.Tech(Visiting Faculty)                |

**Faculty Publications:**

1. Mr.Ch.Sai Kiran, **Dr.K.Satyanarayana**, **Mr.G.Bhavanarayana**“Performance Analysis of Fuzzy based Unified Power Quality Conditioner for Three Phase four wire distribution system”, International Journal of Creative Research Thoughts(IJCRT), Vol. 6, Issue-2, April 2018, pp. 1265-1272 ISSN: 2320-2882.
2. Mr.N.Avinash, **Mr.D.Krishna Chaitanya**, **Mr.M.N.V.V.Brahmam**“Implementation of Fuzzy based Dual-Buck half bridge voltage balancer in DC Micro-grid”, International Journal of Creative Research Thoughts(IJCRT), Vol. 6, Issue-2, April 2018, pp. 185-200 ISSN: 2320-2882.
3. Mr.Ch.Naresh, **Dr. G. Naresh**“Mitigation of Congestion in Deregulated Electrical Power Systems using Particle Swarm Optimization”, International Journal of Creative Research Thoughts(IJCRT), Vol. 6, Issue-2, April 2018, pp. 989-998 ISSN: 2320-2882.

**FDPs / Workshops Attended By The Faculty:**

1. **Mrs. K. Sandhya Rani** has attended Five days Workshop on “Improving the teaching skills on electronic devices and circuits” at JNTUK from 27.03.2018 to 31.03.2018.

2. **Dr. G. Naresh** has attended Five day Workshop on “Metaheuristic Techniques-Application to Power Engineering” at Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna District from 07.05.2018 to 11.05.2018.
3. **Mr. S.Ashok Reddy and Mr. B. Sai Kumar** has attended in the FDP on “Electrical and energy studies” conducted at AU-APSSDC-SIEMENS centre of excellence, AU college of engineering, Visakhapatnam from 14.05.2018 to 18.05.2018.
4. **Mr. M.N.V.V. Brahmam and Mr. M. Mani Shankar** has attended in one week FDP on “Electric Vehicles” Jointly organized by Electronics and ICT Academies through National Knowledge Network under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” by the Ministry of Electronics and Information Technology (MeitY), government of India held at NIT, Warangal from 28.05.2018 to 01.06.2018.
5. **Mr. S. V. V. S. K. Reddy and Mr. B. Anil Kumar** has attended in the FDP on “AI and Machine Learning” Jointly organized by Electronics and ICT Academies through National Knowledge Network under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” by the Ministry of Electronics and Information Technology (MeitY), government of India at NIT, Warangal from 04.06.2018 to 08.06.2018.
6. **Mr. P Krishna chaitanya** has participated in the Refresher Programme on “Solar PV Systems-Design and Performance Evaluation (SPVSDPE)” conducted at Gayatri Vidya Parishad College of Engineering, Madhurawada, Visakhapatnam, from 25.06.2018 to 30.06.2018.

| S.No. | Name of the Faculty         | No of webinars Attended |
|-------|-----------------------------|-------------------------|
| 1.    | Dr. K. Sathyanarayana       | 1                       |
| 2.    | Dr. G. Naresh               | 1                       |
| 3.    | Mrs. P. Vijaya Prasuna      | 1                       |
| 4.    | Sri. S. M. Shariff          | 3                       |
| 5.    | Sri. I. Murali Krishna      | 2                       |
| 6.    | Sri. I. Srinu               | 3                       |
| 7.    | Sri. S. Ashok Reddy         | 4                       |
| 8.    | Ms. A. Durga Bhavani        | 3                       |
| 9.    | Mr. D Krishna chaitanya     | 2                       |
| 10.   | Mr. P Krishna chaitanya     | 4                       |
| 11.   | Mrs. K. Sandhya Rani        | 4                       |
| 12.   | Mr. M.N.V.V. Brahmam        | 2                       |
| 13.   | Sri. M. Veera Chandra Kumar | 3                       |
| 14.   | Sri. G. Bhavanarayana       | 4                       |
| 15.   | Mr. S. V. V. S. K. Reddy    | 3                       |
| 16.   | Mr. B. Anil Kumar           | 1                       |
| 17.   | Mr. M. Mani Shankar         | 2                       |
| 18.   | Mr. B. Sai Kumar            | 2                       |
| 19.   | Ms.S.Vara Lakshmi           | 2                       |
| Total |                             | 47                      |

### Faculty Participations:

- **Dr. G. Naresh** has acted as a resource person for “one day sensitization programme on latest NBA and NAAC guidelines” at BVC Engineering College, Odalarevu.
- **Mr. M.N.V.V. Brahmam**, Assistant Professor qualified in the NPTEL exam and received the Elite certificate for the exam conducted in the course Micro Processor and Micro Controllers during January to April 2018.

### PLACEMENTS:

| S.NO | ROLL NO    | NAME OF THE STUDENT   | SELECTED COMPANY     |
|------|------------|-----------------------|----------------------|
| 1.   | 14A31A0214 | Md. Swathlana Shariff | Multiplier Solutions |

|     |            |                                  |                                      |
|-----|------------|----------------------------------|--------------------------------------|
| 2.  | 14A31A0261 | Gadamsetty Satya Nandini         |                                      |
| 3.  | 14A31A0266 | Pitani Satya Sai Mounica         |                                      |
| 4.  | 14A31A0232 | KonathalaPurna Chandra Rama Rao  | Synectic Infotech                    |
| 5.  | 14A31A0212 | PasupuletiDivya Chandra Sri      |                                      |
| 6.  | 14A31A0243 | NaresaSaisiva                    |                                      |
| 7.  | 14A31A0262 | Gorripudi Jyothi                 |                                      |
| 8.  | 14A31A0201 | AkhilaVaddiparti                 |                                      |
| 9.  | 14A31A0202 | AyyalasomayajulaSireesha         |                                      |
| 10. | 14A31A0204 | BotchaSrujana Swath              | Karvy Data Management Services Ltd   |
| 11. | 14A31A0207 | Kunchenapalle Naga Satya Lakshmi |                                      |
| 12. | 14A31A0210 | MyralaPunyaTeja                  |                                      |
| 13. | 14A31A0212 | PasupuletiDivya Chandra Sri      |                                      |
| 14. | 14A31A0237 | Basava Ram Durga                 |                                      |
| 15. | 14A31A0250 | Sala Koteswara Rao               |                                      |
| 16. | 14A31A0269 | Telugu Aparna Murthy             |                                      |
| 17. | 14A31A0284 | KandikondaVeerayya Dora          |                                      |
| 18. | 14A31A0290 | Maruvada Harish Kumar            |                                      |
| 19. | 14A31A0293 | Mutyala Sridhar                  |                                      |
| 20. | 15A35A0206 | Duvvuri Venkata Sai Subhanand    |                                      |
| 21. | 15A35A0221 | ChodavarapuDorababu              |                                      |
| 22. | 14A31A0204 | BotchaSrujana Swathi             |                                      |
| 23. | 14A31A0205 | Gedela Lakshmi Sowjanya          |                                      |
| 24. | 14A31A0214 | Md Swathlana Shariff             |                                      |
| 25. | 14A31A0243 | NaresaSaisiva                    | Intelenet Global Services            |
| 26. | 14A31A0244 | Neti Pavan Teja                  |                                      |
| 27. | 14A31A0264 | MaddukuriPrasanthi               |                                      |
| 28. | 14A31A0290 | Maruvada Harish Kumar            |                                      |
| 29. | 15A35A0206 | Duvvuri Venkata Sai Subhanand    |                                      |
| 30. | 14A31A0217 | Mr. B. Vinod                     | RRRK Associates                      |
| 31. | 14A31A0204 | Ms.B.Srujana Swathi              | Pole to Win                          |
| 32. | 14A31A0244 | Mr.N.PavanTeja                   |                                      |
| 33. | 14A31A0222 | Mr.Ch.HemanthaKumar              | Efftronics                           |
| 34. | 14A31A0241 | Nalluri Sai Praneeth             |                                      |
| 35. | 14A31A0253 | Surisetty Satya Nagendra Kumar   | Triangle in Cooperation              |
| 36. | 14A31A0273 | Chikkam Hari Sri                 | Bensen                               |
| 37. | 14A31A0218 | Ch.V. Varadurga Lakshmiprasanth  |                                      |
| 38. | 14A31A0240 | Nallamilli Sai Gowtham Reddy     |                                      |
| 39. | 15A35A0226 | Kokkiripati Rahul                | Onegene                              |
| 40. | 15A35A0227 | KoppulaAneelkumar                |                                      |
| 41. | 15A35A0230 | Pathi Satya Veera Naga Srinivas  |                                      |
| 42. | 14A31A0217 | Bolla Vinod                      |                                      |
| 43. | 14A31A0237 | Basava Ram Durga                 |                                      |
| 44. | 14A31A0243 | NaresaSaisiva                    |                                      |
| 45. | 14A31A0284 | KandikondaVeerayya Dora          | Just Dial Limited                    |
| 46. | 14A31A0290 | Maruvada Harish Kumar            |                                      |
| 47. | 14A31A02A7 | Sappa Chandra Sekhar             |                                      |
| 48. | 15A35A0206 | Duvvuri Venkata Sai Subhanand    |                                      |
| 49. | 15A35A0207 | Gundu Leela Naga Venkatesh       |                                      |
| 50. | 14A31A0242 | Narava Sai Kumar                 |                                      |
| 51. | 15A35A0206 | Duvvuri Venkata Sai Subhanand    | Infosys                              |
| 52. | 15A35A0218 | Bavisetty Naga Sarvani           |                                      |
| 53. | 14A31A0201 | V.Akhila                         |                                      |
| 54. | 14A31A0236 | Manchem Suresh Raju              | GGK Tech                             |
| 55. | 14A31A0201 | V.Akhila                         | Hierarch Soft Technologies Pvt. Ltd. |

|     |            |                                    |            |
|-----|------------|------------------------------------|------------|
| 56. | 15A35A0201 | Ms.K.Bindu Mounika                 | Midco Ltd. |
| 57. | 14A31A0262 | Gorripudi Jyothi                   |            |
| 58. | 14A31A0237 | Basava Ram Durga                   |            |
| 59. | 14A31A0250 | Sala Koteswara Rao                 |            |
| 60. | 14A31A0254 | Tamiliseti Ram Manohar Reddy       |            |
| 61. | 15A35A0214 | Samana Trimurthulu                 |            |
| 62. | 15A35A0216 | Ungarala Vekata Satya Durga Prasad |            |
| 63. | 15A35A0206 | Duvvuri Venkata Sai Subhanand      |            |
| 64. | 15A35A0230 | Pathi Satya Veera Naga Srinivas    |            |

### ACADEMIC TOPPERS:

| Batch               | Year & Section          | Roll no.   | Name of the Student | CGPA or % |
|---------------------|-------------------------|------------|---------------------|-----------|
| 2016 Admitted Batch | II B Tech EEE-A II Sem  | 16A31A0218 | A. Sai Venkatasri   | 9.32      |
|                     | II B Tech EEE-B II Sem  | 16A31A0260 | K.Durga Bhavani     | 8.91      |
| 2015 Admitted Batch | III B Tech EEE-A II Sem | 16A35A0209 | V.Praveen           | 88.53     |
|                     | III B Tech EEE-B II Sem | 15A31A0272 | T.Prasanna Lakshmi  | 84.80     |

### Student Achievements in various activities:

1. Mr. Ch. Hemanth Kumar from IV EEE got 66<sup>th</sup> rank in All India Gate 2018 Competitive Examination.



2. Ms.S.Y.Shirisha, Mr.K.Vamsi Krishna, Ms,Y. Lakshmi Pravallik, Mr.K.Srinivas, Mr.D.V.V.Varma and Mr.K.Nikhileswar of 2016-17 batch received TCS Best Project Award for the project “Design and Implementation of Solar Powered Robot for Agriculture Applications” on 29.03.2018.



3. TCS BEST PROJECT(2017-18) is awarded to EEE department for the project titled “DESIGN AND IMPLEMENTATION OF IOT BASED SMART ELECTRICAL DISTRIBUTION SYSTEM AND SMART CONSUMPTION” S.Koteswara Rao(14A31A0250),S.Nagendrakumar (14A31A0253),M.Suresh Raju (14A31A0236), T.Ram Manohar reddy(14A31A0254), S.Trimurthulu(15A35A0214) and K.Sivaji(14A31A0233) under the guidance of Mr. M. Veera Chandra Kumar, Asst. Professor.

4. Mr. surada abbai(14A35A0211) of 2013-17 batch has received Pratibha Awad-2017 by Andhra Pradesh government on 27.06.2018 in the Vice-Chancellor's Senate Hall at JNTUK,Kakinada



5. Mr.Ch. Swamy Sai Kiran(16A35A0217) of III EEE-B secured 1<sup>st</sup> PRIZE in Kabaddi in JNTUK ZONE-B games held at Pragati Engineering College on 17.02.2018 to 18.02.2018.
6. Mr.G.Govind of III EEE-B secured 1<sup>st</sup> PRIZE in Kho- Kho in JNTUK ZONE-B games held at Pragati Engineering College on 17.02.2018 to 18.02.2018.
7. Mr. P. Enosh Peter (17A35A0212) of II EEE-A received 1<sup>st</sup> PRIZE for Paper presentations on “Smart bill predict application” in ENCURSO2K18 held at JNTUK on 24.02.2018 to 25.02.2018.
8. Mr. P. Enosh Peter (17A35A0212) of II EEE-A received 2<sup>nd</sup> PRIZE for Technical Quiz in ENCURSO2K18 held at JNTUK on 24.02.2018 to 25.02.2018.
9. Mr. G. Prakasam (16A31A0227) of II EEE-A received 2<sup>nd</sup> PRIZE for Technical Quiz in ENCURSO2K18 held at JNTUK on 24.02.2018 to 25.02.2018.
10. Mr. P.Surya Bhaskar (17A35A0227) of II EEE-B received 2<sup>nd</sup> PRIZE for Technical Quiz in ENCURSO2K18 held at JNTUK on 24.02.2018 to 25.02.2018.
11. Mr. T.Santosh Reddy (15A31A0254) of III EEE-A received 1<sup>st</sup> PRIZE for Technical Quiz in ENCURSO2K18 held at JNTUK on 24.02.2018 to 25.02.2018.
12. Mr. V. Praveen (16A35A0209) of III EEE-A received 1<sup>st</sup> PRIZE for Technical Quiz in ENCURSO2K18 held at JNTUK on 24.02.2018 to 25.02.2018.
13. Ms. Ayyalasomayajula Sireesha(14A31A0202),Mr.KandikondaVeerayya Dora(14A31A0284), Neti Pavan Teja (14A31A0244), Kurmapu Venkata Ramana (15A35A0210) have participated and presented project model entitled with “Self reliant Street Lighting system” in ICT Academy- Student Innovator Award 2018 at CMRIT, Hyderabad on 24.02.2018.
14. Mr. K.V Ganesh (16A35A0220) and Mr. N.C Koushik (16A35A0223) of III EEE-B secured 2<sup>nd</sup> PRIZE in Poser presentation on “KITEGEN” in EXULT-2K18 held at Pragati Engineering College on 07.03.2018 .
15. Ms. I.J.Rishika (16A31A0213), Ms. D.Sophia (16A31A0211) and Ms. P.Nanacy Rachel (16A31A0201) of II EEE-A received 1<sup>st</sup> PRIZE for Technical Quiz EXULT-2K18 held at Pragati Engineering College on 07.03.2018.
16. Mr. V.Veerandra (15A31A02B0), Mr. Sk.Subani (16A35A0225) and Mr. A.Vijaya (15A31A0276) of III EEE-B received 2<sup>nd</sup> PRIZE for Technical Quiz EXULT-2K18 held at Pragati Engineering College on 07.03.2018.
17. Ms.G.Jyothi(14A31A0262), Mr.K.VenkataRamana (15A35A0210), Mr.Ch.Hemantha Kumar (15A3510222) and Mr.N. Pavan Teja (14A31A0244), from IV EEE have presented their project on 14.03.2018 entitled with “Smart Emergency Fire Alarming System” in AP ELECTROTHON at KL University, Vijayawada.





18. Ms.A.Sireesha(14A31A0202),Mr.Ch.Hemantha Kumar(15A3510222) and Mr. U. V. S. D. Prasad (15A35A0216)from IV EEE have presented their project entitled with “Smart Emergency Fire Alarming System” in Hackathon 4.0 final round held at Rajasthan from19.03.2018 to 21.03.2018.
19. Ms. K. Bindhu Mounika (15A35A0201),Mr. K. V. Dora (14A31A0284 ) ,Mr. N. Pavan Teja (14A31A0244) and Mr. K. Venkata Ramana (15A35A0210) from IV EEE have presented their project entitled with “Self Reliant Street Lighting System” in Hackathon 4.0 final round held at Rajasthanfrom19.03.2018 to 21.03.2018.

### Student Participations in various activities:

| S.No | Date                     | Venue                       | Name of the Event                     | No. of participants |
|------|--------------------------|-----------------------------|---------------------------------------|---------------------|
| 1.   | 02.02.2018 to 03.02.2018 | Pragati Engineering College | IOT using Cloud server with Wifibotix | 117                 |
| 2.   | 17.02.2018 to 18.02.2018 | Pragati Engineering College | JNTUK ZONE-B games                    | 01                  |
| 3.   | 24.02.2018 to 25.02.2018 | JNTUK                       | <b>ENCURSO2K18</b>                    |                     |
|      |                          |                             | Paper                                 | 07                  |
|      |                          |                             | Project                               | 05                  |
|      |                          |                             | Technical Quiz                        | 04                  |
| 4.   | 07.03.2018               | Pragati Engineering College | <b>EXULT-2K18</b>                     |                     |
|      |                          |                             | Paper                                 | 32                  |
|      |                          |                             | Project                               | 49                  |
|      |                          |                             | Technical Quiz                        | 90                  |

- S.Hareen (15A31A0248)**, qualified in the NPTEL exam and received the certificate for the exam conducted in the course Control Engineering during January to April 2018.
- S.P.V.Raghu Ram (15A31A0251)**, qualified in the NPTEL exam and received the certificate for the exam conducted in the course Micro Processor and Micro Controllers during January to April 2018.
- K.Mounika (15A31A0265)**, qualified in the NPTEL exam and received the certificate for the exam conducted in the course Internet of things (IOT) during January to April 2018.
- U. Ramya Jyothi (15A31A0274)**, qualified in the NPTEL exam and received the certificate for the exam conducted in the courses Internet of things (IOT) during January to April 2018.
- K. Jaya Prakash (15A31A0289)**, qualified in the NPTEL exam and received the certificate for the exam conducted in the course Internet of things (IOT) during January to April 2018.
- M. Uday Kumar(15A31A0292)**, qualified in the NPTEL exam and received the certificate for the exam conducted in the courses Internet of things (IOT) and Power Systems-I during January to April 2018.
- N Ram Kumar(16A31A0298)**, qualified in the NPTEL exam and received the certificate for the exam conducted in the courses Basic Electronics and Control Engineering during January to April 2018.
- 13 Students from III EEE have completed their two weeks summer Certification course for Internet of things (IOT) under APSSDC (Andhra Pradesh state skill development Corporation), Coursera with university of California, Irvine in May, 2018.
- 33 Students from III EEE have completed their two weeks summer Certification course for Internet of things (IOT) under APSSDC (Andhra Pradesh state skill development Corporation), Coursera with university of California, Irvine in June, 2018.
- 45 Students from III EEE have participated in social Service Activity for 6 to 8 days and they have received certificates in this regard.

### Student Paper Publications:

- P. Sai Ganesh(16A31A0245),P.Chandra Naga Prasad(16A31A0244) and G. Prakasam(16A31A0227) of III EEE-A published paper entitled with “ Evolution and Utilization of Green Energy” International Journal of Scientific Research Engineering & Technology (IJSRET), ISSN 2278 – 0882,Volume 7, Issue 2, February 2018, pp no. 87 -91.

### List of Students Attended For Industrial Internship/Training:

| S.no | Roll no.   | Name of the Student   | Year & Section | Name of the Industry                               | Duration                 |
|------|------------|-----------------------|----------------|--|--------------------------|
| 1    | 14A31A0216 | B.Siva Rama Krishna   | IV-EEE-A       | Sri Lalitha Enterpriaes Private Limited            | 17-11-2017 to 17-1-2018  |
| 2    | 14A31A0223 | D.V.S.Seshendra       |                |  |                          |
| 3    | 14A31A0225 | G.Govinda Raju        |                |  |                          |
| 4    | 14A31A0220 | CH.P.V.Suryakanth     | IV-EEE-A       | KprAgro Chemicals Private Limited, Biccavolu       | 20-11-2017 to 20-1-2018  |
| 5    | 14A31A0241 | N.SaiPraneeth         |                |  |                          |
| 6    | 14A31A0249 | P.Veerababu           |                |  |                          |
| 7    | 14A31A0215 | B. Sai Suresh         |                |  |                          |
| 8    | 15A35A0218 | B.NagaSarvani         | IV-EEE-B       | Sri Satya Electricals & Engineering Works Kakinada | 20-11-2017 to 20-1-2018  |
| 9    | 14A31A0258 | B.VineelaThulasi      | IV-EEE-B       | ITC, Anaparthi                                     | 20-11-2017 to 20-1-2018  |
| 10   | 14A31A0271 | B.N.S.Anudeep         | IV-EEE-B       | Akshaya Transformers Private Limited , Kakinada    | 9-12-2017 to 19-1-2018   |
| 11   | 14A31A0295 | P.V.V.S.Jagadeesh     |                |  |                          |
| 12   | 14A31A0299 | P.S.V.Anudeep         |                |  |                          |
| 13   | 15A35A0223 | K.Vijay Kumar         |                |  |                          |
| 14   | 15A35A0203 | V.Surekha             | IV-EEE-B       | Vizag Steel Plant                                  | 27-11-2017 to 27-01-2018 |
| 15   | 15A35A0219 | V.Renuka Devi         |                |  |                          |
| 16   | 15A35A0229 | P.Muralikrishna       |                |  |                          |
| 17   | 15A35A0230 | P.Srinivas            |                |  |                          |
| 18   | 15A35A0231 | R.Manikanta           |                |  |                          |
| 19   | 14A31A0203 | B.Jyothirmae          | IV-EEE-A       | Godavari Gas Power Plant                           | 10-12-2017 to 10-01-2018 |
| 20   | 14A31A0209 | M.V.R.Lahari          |                |  |                          |
| 21   | 14A31A0212 | P.Divya Chandra sri   |                |  |                          |
| 22   | 14A31A0214 | MD.Swethalana Shariff |                |  |                          |
| 23   | 14A31A0213 | V.SaiDivya            | IV-EEE-A       | Godavari Gas Power Plant                           | 10-12-2017 to 10-01-2018 |
| 24   | 14A31A0211 | N.Sireesha            | IV-EEE-A       | Godavari Gas Power Plant                           | 10-12-2017 to 10-01-2018 |
| 25   | 14A31A0257 | V.Surya Nagendra      | IV-EEE-A       | KPR Fertilizers                                    | 29-11-2017 to 20-01-2018 |
| 26   | 14A31A0232 | K.P.CH.Ramarao        | IV-EEE-A       | Sri Lalitha Enter PrisesPvt Ltd                    | 06-12-2017 to 20-01-2018 |
| 27   | 14A31A0230 | K.Srikanth            | IV-EEE-A&B     | Reliance industries Limited ,Gadimuka              | 15-12-2017 to 15-01-2018 |
| 28   | 14A31A0270 | V.K.Viswanadh Kumar   |                |  |                          |
| 29   | 14A31A0281 | I.KalyanRevanth       |                |  |                          |
| 30   | 15A35A0227 | K.Aneel Kumar         | IV-EEE-A       | ITC, Anaparthi                                     | 18-12-2017 to 18-01-2018 |
| 31   | 14A31A0237 | B.Ramdurga            | IV-EEE-A       | Sudha Agro oil & Chemical Industries Ltd, Kakinada | 18-12-2017 to 18-01-2018 |
| 32   | 14A31A0242 | N.Saikumar            |                |  |                          |
| 33   | 14A31A0246 | P.subhash Kumar       |                |  |                          |
| 34   | 15A35A0225 | K.Vijayteja           | IV-EEE-B       | Coramandal Fertilizers Ltd,Kakinada                | 18-12-2017 to 18-01-2018 |
| 35   | 15A35A0233 | V.Srinu               |                |  |                          |
| 36   | 14A31A0276 | G.Sardhak             | IV-EEE-B       | Vijayawada Thermal Power Station                   | 18-12-2017 to 18-01-2018 |
| 37   | 14A31A0284 | K.Veerayadora         | IV-EEE-B       | Reliance industries Limited ,Gadimuka              | 18-12-2017 to 18-01-2018 |
| 38   | 15A35A0216 | U.S.D.Prasad          | IV-EEE-A       | E-Brakers Kakinada                                 | 18-12-2017 to 18-01-2018 |
| 39   | 15A35A0210 | K.Venkata Ramana      |                |  |                          |
| 40   | 14A31A0202 | A,Sirisha             |                |  |                          |
| 41   | 14A31A0262 | G.Jyothi              |                |  |                          |
| 42   | 14A31A0201 | V.Akhila              | IV-EEE-A       | Silicon Systems,kakinada                           | 09-12-2017 to 19-01-2018 |
| 43   | 14A31A0224 | Sai subrahmanyam      | IV-EEE-B       | Grija Power Plant,                                 | 11-12-2017 to            |

|    |            |                           |                  |   |                             |
|----|------------|---------------------------|------------------|---|-----------------------------|
| 44 | 14A31A0218 | CH.V.V.D.L.Prasanth       |                  | peddapuram  | 20-01-2018                  |
| 45 | 15A35A0217 | Y.R.Sagar                 |                  |   |                             |
| 46 | 14A31A0274 | E.Rakesh                  | IV-EEE-B         | Vizag Steel Plant                                 | 08-12-2017 to<br>08-01-2018 |
| 47 | 14A31A0288 | K.Yashas Chandra          |                  |   |                             |
| 48 | 14A31A0294 | O.S.D.Akhilesh            |                  |   |                             |
| 49 | 14A31A02A9 | T.Umamaheswararao         |                  |   |                             |
| 50 | 14A31A0235 | K.Prabhu Kiran            |                  |   |                             |
| 51 | 14A31A0296 | P.V.Rahul                 | IV-EEE-B         | Akshaya Transformers Private Limited<br>,Kakinada | 22-12-2017 to<br>20-01-2018 |
| 52 | 14A31A0265 | P.S.M.M.Malavika          | IV-EEE-B         | GSK Horlicks Factory                              | 10-12-2017 to<br>10-01-2017 |
| 53 | 15A35A0221 | Ch.Dorababu               | IV-EEE-B         | Godavari Gas Power Plant-                         | 12-12-2017 to<br>12-01-2-18 |
| 54 | 15A35A0215 | Sk.Ibrahambasha           |                  |   |                             |
| 55 | 14A31A02A8 | S.Sri Saran               |                  |   |                             |
| 56 | 14A31A0205 | G.L.Sowjanya              | IV-EEE-A         | Reliance industries Limited ,Gadimuka             | 02-01-2018 to<br>16-02-2018 |
| 57 | 14A31A0207 | K.N.S.Lakshmi             |                  |   |                             |
| 58 | 14A31A0210 | M.Punyateja               |                  |   |                             |
| 59 | 14A31A0227 | I.Satyasai Sumanth Anvesh | IV-EEE-A         | Reliance industries Limited ,Gadimuka             | 02-01-2018 to<br>16-02-2018 |
| 60 | 14A31A0221 | Ch.Venkatesh              |                  |   |                             |
| 61 | 17A35A0209 | M.Harish                  | II-EEE-A         | BHEL ,Vizag                                       | 10-05-2018 to<br>10-06-2018 |
| 62 | 15A31A02A5 | S.Jayendra                | III-EEE-B        | ECIL,Hyderabad                                    | 1-05-2018 to<br>18-05-2018  |
| 63 | 15A31A0288 | K.Sai Vinay               | III-EEE-B        | ONGC, Rajahmundry                                 | 30.04.2018 to<br>08.05.2018 |
| 64 | 16A35A0223 | N Cahitanya Koushik       |                  |   |                             |
| 65 | 16A31A0221 | B Vijay Kumar             | II-EEE-A         | MANIHAMSA POWER PLANT                             | 01.05.2018 to<br>31.05.2018 |
| 66 | 16A31A0276 | A Ram Sai Charan          |                  |   |                             |
| 67 | 16A31A0288 | I. M.Veerabhadra Rao      |                  |   |                             |
| 68 | 16A31A0298 | N Ram Kumar               |                  |   |                             |
| 69 | 16A31A0299 | O V.ChakradaDatta         |                  |   |                             |
| 70 | 17A35A0220 | G Chakra Mahesh Babu      | III-EEE-A        | ATCHEMPETA SUB-STATION                            | 28.05.2018 to<br>11.06.2018 |
| 71 | 15A31A0202 | A Anala                   |                  |   |                             |
| 72 | 15A31A0209 | K Seetha                  |                  |   |                             |
| 73 | 15A31A0217 | S Jaya Sushma Sri         |                  |   |                             |
| 74 | 15A31A0230 | K Pavan Kishore           | III-EEE-A<br>& B | G.V.K. POWER PLANT, Vemagiri                      | 30.04.2018 to<br>10.05.2018 |
| 75 | 15A31A0247 | R V S N Prasanth          |                  |   |                             |
| 76 | 15A31A0232 | K Durga Prasad            |                  |   |                             |
| 77 | 15A31A0220 | B Chandrakanth            |                  |   |                             |
| 78 | 16A35A0218 | D S N S Govardhan         |                  |   |                             |
| 79 | 15A31A0278 | B Siva Rama Krishna       | III-EEE-B        | ECIL, Hyderabad                                   | 20.05.2018 to<br>05.06.2018 |
| 80 | 15A31A0201 | A Sri Mounika             | III-EEE-A        | ATCHAMPETA SUB-STATION                            | 06.05.2018 to<br>20.05.2018 |
| 81 | 15A31A0208 | K Purnima                 |                  |   |                             |
| 82 | 15A31A0215 | S Madhuri                 |                  |   |                             |
| 83 | 15A31A0216 | S Sridevi                 |                  |   |                             |
| 84 | 15A31A02A3 | S Kamesh                  | III-EEE-B        | NFCL, Kakinada                                    | 14.05.2018 to<br>16.06.2018 |
| 85 | 16A31A0270 | V Sai Durga               | II-EEE-B         | NFCL, Kakinada                                    | 21.05.2018 to<br>31.05.2018 |
| 86 | 16A31A0259 | K Ratna Harika            |                  |   |                             |
| 87 | 16A31A0269 | V Supraja                 |                  |   |                             |
| 88 | 16A31A0206 | B Sridevi                 | II-EEE-A         | MALLAYYAPETA STUB-STATION                         | 21.05.2018 to<br>04.06.2018 |
| 89 | 16A31A0207 | B Jagadeeswari            |                  |   |                             |
| 90 | 16A31A0208 | Ch Sai Anusha             |                  |   |                             |
| 91 | 16A31A0210 | D Monisa                  |                  |   |                             |
| 92 | 16A31A0214 | M Preethi                 |                  |   |                             |
| 93 | 16A31A0202 | Y Yogita Chowdary         |                  |   |                             |
| 94 | 16A31A0228 | G Kishore                 | II-EEE-A         | COROMANDAL INTERNATIONAL<br>PVT. LTD.,            | 21.05.2018 to<br>05.06.2018 |
| 95 | 16A31A0264 | P Vennela                 | II-EEE-B         | NFCL, Kakinada                                    | 25.05.2018 to<br>03.06.2018 |
| 96 | 16A31A0258 | J Yamuna                  |                  |   |                             |
| 97 | 16A31A0266 | P Amulya                  |                  |   |                             |
| 98 | 16A31A0267 | P Mounika Priya           |                  |   |                             |

**EVENTS:****INDUSTRIAL VISITS:**

- **A 220MW Combined Cycle Power Plant (Reliance Infrastructure Limited, Samalkot)**



I year students of 2017 admitted batch visited A 220MW Combined Cycle Power Plant (Reliance Infrastructure Limited, Samalkot on 23<sup>rd</sup> January, 2018. 118 students of I B.Tech II Sem EEE students accompanying with three Assistant Professors of EEE Department Mr. S.Ashok Reddy, Mr. B.Anil Kumar, and Ms.S.Vara Lakshmi. They met Sri.C.Dwarakanath, Station Director of the Reliance Power plant. four Maintenance Engineers explained the Plant Details .They explained the details of Equipments and its functioning in plant. After that we went to Control Room for Observing the G-T Synchronization Process they had explained about G-T Synchronization Process. He explained the various components and functioning of switch yard.

- **AP TRANSCO Peddapuram132/33 KV Sub-Station**



II year students of 2016 admitted batch visited AP TRANSCO Peddapuram132/33 KV Sub-Station on 7<sup>th</sup> February, 2018. They visited the plant in two batches. 71 students from II B.Tech II sem EEE-A as first batch accompanied with two Assistant Professors of EEE Department Mr. B.Sai kumar and Mrs.K.Sandhya Rani, met the Assistant Engineer in forenoon session. In afternoon session 72 students from II B.Tech II Sem EEE-B as Second batch accompanied with three Assistant Professors of EEE Department Mr.G.Bhavanarayana, Mr. M.V.Chandra kumar and Ms. S.Vara Lakshmi. Two Sub-Engineers for explained the overview of working of Sub-Station and Switch-yard Equipments and their functionality. Students were divided into two groups facilitated by two Sub-Engineers. They explained about all the essential components of the 132/33KV substation, SCADA and PLC control.

**TWO DAY WORKSHOP ON IOT USING CLOUD SERVER WITH WIFIBOTIX:**

The Department of Electrical and Electronics Engineering conducted A National Level Two-day Workshop on “**IOT using Cloud server with Wifibotix**” in association with Innovation-Cell

UMIC, IIT Bombay Organized on 2<sup>nd</sup> & 3<sup>rd</sup> February, 2018 in Seminar Hall-II. On 2<sup>nd</sup> February the workshop was inaugurated by the Chairman of the college, Dr. P. Krishna Rao in presence of four resource persons who came from RoboKart for this workshop.

Dr. P. Krishna Rao, Chairman of the college, speaking on the function said that this workshop aim is to make students aware of IOT which provides support of all technical aspects. Sri. M. Satish, Vice-President expressed that conducting these kind of workshops will improve the technical knowledge of the students and also helps in creating their own identity in making the real time projects. Dr. S. Sambhu Prasad, Principal of the College said that, workshops are planned to correlate the theory & practical concepts. Dr. K. Satyanarayana, Vice-Principal & HOD- EEE expressed his happiness over the conduction of programme and 129 students are participating from various engineering branches and said that this IOT & Cloud Server is creating a basic knowledge in the computer domain. Integrating this technology to electrical engineering stream has become popular and in the coming few years and home automation will come into existence, and he urged students to utilize this opportunity. Mr. M. V. Haranatha Babu (Director-Mgmt), Dr. G. Raghu Ram (Director-Academics), Dr. G. Naresh (Dean Administration), Senior Professors, HODs of all Departments, Co-ordinators of the Programme, Staff and Students were present on the occasion.



**FAREWELL FUNCTION:**

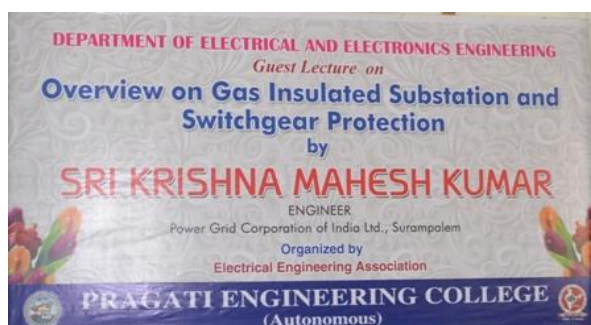
2015 admitted batch of III EEE Section-A & B students organized farewell on 27.03.2018 at seminar Hall-II of the college to their seniors for wishing them a very good luck to the bright future. Dr.P.Krishna Rao, chairman, Sri.M.V.Haranatha Babu, Director (management), Sri.M.Satish, Vice-President, Dr.S.Sambhu Prasad, Principal, Dr. K.Satyanarayana, Vice-Principal & H.O.D-EEE, Dr.G.Naresh, Dean- Administration, Mrs.P.V.Prasuna Incharge HOD –EEE, Sri.S.M.Shariff, Assoc.Professor gave their Valuable Suggestions to the students of EEE and faculty of EEE department have attended the function.

**GUEST LECTURES:**

➤ Department of Electrical & Electronics Engineering, Pragati Engineering College organized a guest lecture on “Construction, Operation and Maintenance of SRTPV (Solar Roof Top Photo Voltaic) Plants” by Prof. G. Neelakantam, Managing Director, SRIFABTEK Solar Power Energy Solutions, Bangalore for IV EEE students at seminar Hall-II of the college on 23.03.2018.



➤ Department of Electrical & Electronics Engineering, Pragati Engineering College organized a guest lecture on “Overview on Gas Insulated Substation and Switchgear Protection” by Sri Krishna Mahesh Kumar , Engineer , Power Grid corporation of India Ltd., Surampalem was conducted for II and III year EEE students at seminar Hall-II of the college on 28.06.2018.





**EDITORIAL BOARD COMMITTEE:**

**Staff**

1. Dr. K. Sathyanarayana, Professor - H.O.D
2. Mr. M.N.V.V.Brahmmam, Assistant Professor

**Students:**

- P.Sai Ganesh (III EEE-245)  
K.Durga Bhavani (III EEE-260)  
M. Sai Srikari (II EEE-211)  
G. Vijay Kumar (II EEE-283)