

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.

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” from last decades. 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. A.Kailasa Rao (Director) | M.Tech, Ph.D,FIE |
| 2. Dr. K.Sathyanarayana (H.O.D) | M.Tech, Ph.D, MIE, MIEEE, MISTE, C Eng |
| 3. Dr. P. Naga Raju | Ph.D |
| 4. Dr.G.Madhu Sudhana Rao | Ph.D |
| 5. Mr. G.Naresh | M.Tech (Ph.D), MIEEE, MISTE |
| 6. Ms.P.Vijaya Prasuna | M.Tech |
| 7. Mr. S M Shariff | M.Tech |
| 8. Ms.Ch.Manga Lakshmi | M.Tech |
| 9. Sri. I. Murali Krishna | M.Tech |
| 10. Sri. I. Srinu | M.Tech |
| 11. Mr.A.Ramesh | M.Tech |
| 12. Mr.B.Ramesh | M.Tech |
| 13. Mr.Y.Satya Prasanth | M.Tech |
| 14. Ms. D. Sowmya | M.Tech |
| 15. Ms. P.Surekha | M.Tech |
| 16. Mr. P. Anantha Chaitanya | M.Tech |
| 17. Mr. P. Sailesh Babu | M.Tech |
| 18. Mr. A.P.J. Varma | M.Tech |
| 19. Mr. S. P. R. Swami | M.Tech |
| 20. Mr.Y.Yesu Dasu | M.Tech |
| 21. Mr.M.Ramesh Gandhi | M.Tech |
| 22. Mr.V.Sudheer Kumar | M.Tech |
| 23. Ms. T. Pravallika | M.Tech |
| 24. Ms.M.M.Swapna | M.Tech |
| 25. Ms. R. Jaya Chandra | B.Tech |

Department Achievement:

- **Ms.V. Sowjanya** (11A31A0216) student of IV year EEE was selected as the **best out going student & first best out going girl student** of the year 2014-15 and she has been awarded with **GOLD medal and cash prize “ Rs: 8,000/- & 6,000/-”** in PRISM-2K15 on 16th Feb 2015.



- **Ms.V. Sowjanya (11A31A0216)** from IV EEE received **“Best Student Award”** from Tata Consultancy Services (TCS), Hyderabad as part of its initiative to recognize and promote academic excellence. The award comprises a gold medal, a certificate and a cash prize of Rs. 10,000.

Faculty Publications:

1. **Sri G.Naresh**, Dr M Ramalinga Raju and Sri.S.V.L.Narasimhan published paper on “Enhancement of power system stability Employing cat Swarm Optimization based PSS” in IEEE 2015 978-1-4799-7678-2/15/\$31.00
2. D Suryakiran, **Mr. P Sailesh babu** Published paper on “Analysis of Grid Connected single phase Rofftop photovoltaic system with MPPT” in International Journal of Science, Engineering and Technology Research (IJSETR) ISSN 2278 to 7798 Vol 4 issue 4, Page No. 732-737 April-2015

GUEST LECTUREs Conducted by EEE DEPARTMENT UNDER IEEE STUDENT BRANCH:

- Department of Electrical and Electronics Engineering organized guest lecture on “Interactive Session on IT in Future Opportunities” by S.K.M. Hussain, Technology Analyst, Infosys, USA, Illinois & Alumnus of Pragati Engineering College under IEEE student branch & Alumni association on 24-02-2015. About 150 students of II, III & IV EEE, Teaching and Non-teaching Staff of EEE department were attended the programme.



Result Analysis:**IV B.Tech. II semester Toppers:**A. Sai Pavani-87%
(11A31A0202)K. Sri Sai Rama -85.50%
(11A31A0206)**III B.Tech. I semester Toppers EEE-A:**M. V. V. Krishna Teja-78.53%
(12A31A0241)B. Kasi Annapoorna -77.87%
(13A35A0201)**III B.Tech. I semester Toppers EEE-B:**S. Pavan Kumar-83.33%
(13A35A0221)D.P.N. Sasidhar Sarma-80.53%
(12A31A0284)**II B.Tech. I semester Toppers EEE-A:**S. Abbai-87.33%
(14A35A0211)A. Ram Naveen -85.87%
(13A31A0236)**II B.Tech. I semester Toppers EEE-B:**B. Prasanna Sai-84.13%
(13A31A0255)J. Sai Keerthi-83.87%
(13A31A0259)**Placements:****TCS**K. Sri Sai Rama
(11A31A0206)**FACE**A. Gayatri
(11A31A0201)**INFOR**S.V. Sowmya
(11A31A0214)**AMAZONE**I. Hanuma Hanish
(11A31A0231)**EMPHASIS**S. Geetha Vardhini
(11A31A0215)**HCL**G. Madhuri
(11A31A0210)**GATE Qualified Students:**

S.no	Roll no	Name	GATE Score	GATE Rank
1	11A31A0214	Segu Venkata Sowmya	407	8362
2	11A31A0248	Ponnaganti Siva Prasad	407	8500
3	11A31A0249	Pulli Atchyuta Srinivas	370	10898
4	11A31A0206	Kakkirala Sri Sai Rama	328	14564
5	11A31A0211	Nandika Mounika	250	25680

Student Achievements in various activities:

1. C. Charchitha (13A31A0202), student of II-A year EEE, has Presented a Paper and won the **2nd prize** at RITHM-2K15 on 18.03.2015 held at Regency Institute of Technology.
2. L. Naveen (13A31A0240), student of II-A year EEE, has Presented a Paper and won the **2nd prize** at RITHM-2K15 on 18.03.2015 held at Regency Institute of Technology.
3. V. Vilasitha (13A31A0216), student of II-A year EEE, has Presented a Poster on “HVDC Technology” and won the **1st prize** at EMERGE-2K15 on 19.03.2015 held at BVC Engineering College.
4. G. V. B. K. Tarun (12A31A0226), student of III-A year EEE, has Presented a Project and won the **2nd prize** at ARC-15 on 27.02.2015 and 28.02.2015 held at Anil Neerukonda Institute of Technology & Science.
5. M. Praveen (12A31A0239), student of III-A year EEE, has Presented a Project and won the **2nd prize** at I-Genesis on 27.02.2015 and 28.02.2015 held at Andhra University College of Engineering.
6. G. V. B. K. Tarun (12A31A0226), student of III-A year EEE, has Presented a Project and won the **3rd prize** at AFOSEC’15 on 05.02.2015 and 06.02.2015 held at Siddhartha Engineering College.
7. V. H. V. Gangadhar (12A31A0260), student of III-A year EEE, has Presented a Project and won the **3rd prize** at AFOSEC’15 on 05.02.2015 and 06.02.2015 held at Siddhartha Engineering College.
8. A. Seshanka Venkatesh (13VV1A0228), student of II-A year EEE, has Participated in QUIZ and won the **2nd prize** at ENCURSO-2K15 on 28.02.2015 to 01.03.2015 held at JNTU College Engineering, Kakinada.
9. V. H. V. Gangadhar (12A31A0260), student of III-A year EEE, has Participated in **Clay Modeling** and won the **1st prize** at AFOSEC’15 on 05.02.2015 and 06.02.2015 held at Siddhartha Engineering College.
10. G. V. B. K. Tarun (12A31A0226), student of III-A year EEE, has Participated in **Clay Modeling** and won the **1st prize** at AFOSEC’15 on 05.02.2015 and 06.02.2015 held at Siddhartha Engineering College.
11. G. Narendra Kumar (13A35A0226), student of III-A year EEE, has Participated in **Hard ware Design** and won the **3rd prize** at BECTAGON-2K15 on 19.03.2015 and 20.03.2015 held at Bapatla Engineering College.

Student Participation in various activities:

1. S. S. Raja Ratna Rajaneesh (12A31A0230), student of III-A year EEE, has Presented a Paper on “**Prepaid Energy Meter using Smart Card**” at Freedom Fest-2K15 on 06.02.2015 and 07.02.2015 held at KL University.
2. A. Devi (12A31A0261), student of III-B year EEE, has Presented a Paper on “**Cascaded H Bridge Multi level Inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
3. P. Bhanu Sri (12A31A0270), student of III-B year EEE, has Presented a Paper on “**Cascaded H Bridge Multi level Inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
4. V. Renuka Swathi (12A31A0213), student of III-A year EEE, has Presented a Paper on “**Hand Gesture Recognition and Voice conversion system**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.

5. H. Reena (12A31A0209), student of III-A year EEE, has Presented a Paper on “**Hand Gesture Recognition and Voice conversion system**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
6. Ch. Nithin Chandra (11A31A0227), student of IV year EEE, has Presented a Paper on “**Solar power optimizer for DC distribution system**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
7. A. V. V. Rama Krishna (13A31A0271), student of II-B year EEE, has Presented a Paper on “**Advanced Nuclear Energy systems**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
8. M. Abhishek (12A31A0295), student of III-B year EEE, has Presented a Paper on “**Microcontroller based irrigation system**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
9. P. Nanaji (12A31A02A3), student of III-B year EEE, has Presented a Paper on “**Microcontroller based irrigation system**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
10. C. Sai Pragnya (12A31A0212), student of III-A year EEE, has Presented a Paper on “**Improving Electrical system reliability with infrared thermography**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
11. K. Sai Srujana (12A31A0205), student of III-A year EEE, has Presented a Paper on “**Improving Electrical system reliability with infrared thermography**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
12. B. N. S. Prathyusha (12A31A0202), student of III-A year EEE, has Presented a Paper on “**Robotic Monitoring of Power System**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
13. B. A. S. S. Sudha Madhuri (12A31A0201), student of III-A year EEE, has Presented a Paper on “**Robotic Monitoring of Power System**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
14. Ch. Sowbagya valli (12A31A0203), student of III-A year EEE, has Presented a Paper on “**Robotic Monitoring of Power System**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
15. I.S.S.R.R.Rajaneesh (12A31A0230), student of III-A year EEE, has Presented a Paper on “**Speed Cameras**” at STEPCONE-2K15 on 30.01.2015 and 31.01.2015 held at GMR Institute of Technology.
16. V. Leela Sai Devi (12A31A0215), student of III-A year EEE, has Presented a Paper on “**Advanced Nuclear Energy**” at ENCURSO-2K15 on 28.02.2015 and 01.03.2015 held at JNTU college of Engineering, Kakinada.
17. V. Leela Sai Devi (12A31A0215), student of III-A year EEE, has Presented a Paper on “**Paper Battery**” at SAMYAK on 26.02.2015 and 27.02.2015 held at KL University.
18. B. Sathish (12A31A0217), student of III-A year EEE, has Presented a Poster on “**Basic piezo electric energy harvesting**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
19. G. Venkatesh (12A31A0225), student of III-A year EEE, has Presented a Poster on “**Basic piezo electric energy harvesting**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
20. V. Leela Sai Devi (12A31A0215), student of III-A year EEE, has Presented a Poster on “**Miniature Circuit Breaker**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
21. K.Hima Bindu (13A31A0260), student of II-B year EEE, has Presented a Poster on “**Space Based Solar Energy**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.

22. S. Jahnavi (13A31A0266), student of II-B year EEE, has Presented a Poster on “**Space Based Solar Energy**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
23. Y. Revathi (13A31A0217), student of II-A year EEE, has Presented a Poster on “**Osmotic power plant**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
24. K. Sri Krishna Sathya (13A31A0218), student of II-A year EEE, has Presented a Poster on “**Osmotic power plant**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
25. D. V. Raghu Babu (13A31A0224), student of II-A year EEE, has Presented a Poster on “**Magneto hydro dynamic power generation**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
26. Ch.Sri Sai Kiran (13A31A0221), student of II-A year EEE, has Presented a Poster on “**Magneto hydro dynamic power generation**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
27. Ch.Sri Sai Kiran (13A31A0221), student of II-A year EEE, has Presented a Poster on “**Plant-e Technology**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
28. K. Suma Kumari (12A31A0206), student of III-A year EEE, has Presented a Poster on “**Plant-e Technology**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
29. B. K. Annapoorna (13A35A0201), student of III-A year EEE, has Presented a Poster on “**Plant-e Technology**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
30. K. Davis Izzarus (13A31A0234), student of II-A year EEE, has Presented a Poster on “**Generating electricity from various types of alternative sources**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
31. S. Krishna Kireeti (13A31A0251), student of II-A year EEE, has Presented a Poster on “**Generating electricity from various types of alternative sources**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
32. Ch. Vijaya Sree Bhargavi (13A31A0256), student of II-B year EEE, has Presented a Poster on “**Solar energy using MPPT**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
33. K. Sai Kalyan (13A31A0287), student of II-B year EEE, has Presented a Poster on “**Solar energy using MPPT**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
34. R. S. N. Sirisha Devi (13A31A0210), student of II-A year EEE, has Presented a Poster on “**Revolution in nano technology**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
35. K. Siva Kumari (13A31A0206), student of II-A year EEE, has Presented a Poster on “**Revolution in nano technology**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
36. N. Prameela Jyothi (13A31A0209), student of II-A year EEE, has Presented a Poster on “**Plant Microbial Fuel Cell**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
37. S. Padma Sree (13A31A0213), student of II-A year EEE, has Presented a Poster on “**Plant Microbial Fuel Cell**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
38. E. H. Prathyusha (13A31A0203), student of II-A year EEE, has Presented a Poster on “**HVDC Technology**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.

39. V. Vilasitha (13A31A0216), student of II-A year EEE, has Presented a Poster on “**HVDC Technology**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
40. D. S. Sai Kumar (12A31A0285), student of III-B year EEE, has Presented a Project on “**Power Electronics & Drives**” at EMERGE-2K15 on 19.03.2015 held at BVC College of Engineering.
41. K. Naveen Sri Sai (12A31A0237), student of III-A year EEE, has Presented a Project on “**Power Electronics & Drives**” at EMERGE-2K15 on 19.03.2015 held at BVC College of Engineering.
42. B.N.S. Prathyusha (12A31A0202), student of III-A year EEE, has Presented a Project on “**Mobile controlled Robotic Arm**” at ENCURSO-2K15 on 28.02.2015 and 1.03.2015 held at JNTU College of Engineering, Kakinada.
43. V. Leela Sai Devi (12A31A0215), student of III-A year EEE, has Presented a Project on “**Mobile controlled Robotic Arm**” at ENCURSO-2K15 on 28.02.2015 and 1.03.2015 held at JNTU College of Engineering, Kakinada.
44. C. Sai Pragnya (12A31A0212), student of III-A year EEE, has Presented a Project on “**Mobile controlled Robotic Arm**” at ENCURSO-2K15 on 28.02.2015 and 1.03.2015 held at JNTU College of Engineering, Kakinada.
45. C. Sai Pragnya (12A31A0212), student of III-A year EEE, has Presented a Project on “**Travel Mobile Charge**” at SAMYAK-2K15 on 26.02.2015 and 27.02.2015 held at KL University.
46. B. N. S. Prathyusha (12A31A0202), student of III-A year EEE, has Presented a Project on “**Travel Mobile Charge**” at SAMYAK-2K15 on 26.02.2015 and 27.02.2015 held at KL University.
47. K. Sai Srujana (12A31A0205), student of III-A year EEE, has Presented a Project on “**Travel Mobile Charge**” at SAMYAK-2K15 on 26.02.2015 and 27.02.2015 held at KL University.
48. I.S.R.R. Rajaneesh (12A31A0230), student of III-A year EEE, has Presented a Project on “**Low Watt LED Lamp**” at AFOSEC’15 on 05.02.2015 and 06.02.2015 held at Siddhartha Engineering College.
49. I.S.R.R. Rajaneesh (12A31A0230), student of III-A year EEE, has Presented a Project on “**Mobile Controlled Irrigation System**” at IETE students Day on 04.02.2015 held at Pragati Engineering College.
50. K. Siva Prasad (13A35A0207), student of III-A year EEE, has Presented a Project on “**Innovative Hidden Things Locator**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
51. B. Manoj Kumar (13A35A0214), student of III-A year EEE, has Presented a Project on “**Innovative Hidden Things Locator**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
52. G. Narendra Kumar (13A35A0206), student of III-A year EEE, has Presented a Project on “**Innovative Hidden Things Locator**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
53. T. Sri Kanth (13A35A0211), student of III-A year EEE, has Presented a Poster on “**North Grid Failure**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
54. I. S. R. R. Rajaneesh (12A31A0230), student of III-A year EEE, has Presented a Project on “**Solar Powered Automatic Street Lightening System**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
55. A. Chiranjeevi (12A31A0276), student of III-B year EEE, has Presented a Project on “**Solar Powered Automatic Street Lightening System**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.

56. V. Mahesh (12A31A02B4), student of III-B year EEE, has Presented a Project on “**Solar Powered Automatic Street Lightening System**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
57. K. Sri Prasanna Kumari (12A31A0272), student of III-B year EEE, has Presented a Project on “**Seven Level Inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
58. S. Sri Durga (12A31A0273), student of III-B year EEE, has Presented a Project on “**Seven Level Inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
59. V. Supriya (12A31A0274), student of III-B year EEE, has Presented a Project on “**Seven Level Inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
60. M. Lakshmi Anusha (12A31A0267), student of III-B year EEE, has Presented a Project on “**Inter leaved boost converter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
61. N. Nandini (12A31A0268), student of III-B year EEE, has Presented a Project on “**Inter leaved boost converter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
62. V. Divya Jyothi (13A35A0212), student of III-B year EEE, has Presented a Project on “**Inter leaved boost converter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
63. M. Divya (12A31A0266), student of III-B year EEE, has Presented a Project on “**Power factor improvement by using switching capacitors**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
64. Y. V. R Mounika (12A31A0275), student of III-B year EEE, has Presented a Project on “**Power factor improvement by using switching capacitors**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
65. P. Sruthi (12A31A0269), student of III-B year EEE, has Presented a Project on “**Power factor improvement by using switching capacitors**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
66. G. Mounika (12A31A0262), student of III-B year EEE, has Presented a Project on “**PWM speed control of DC motor**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
67. K. T.N. S. Meghana (12A31A0263), student of III-B year EEE, has Presented a Project on “**PWM speed control of DC motor**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
68. K. Atchuta (12A31A0265), student of III-B year EEE, has Presented a Project on “**PWM speed control of DC motor**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
69. S. Dileep Kumar (12A31A0253), student of III-A year EEE, has Presented a Project on “**Cascaded H bridge multi level inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
70. Sri Ram Vihari (12A31A0227), student of III-A year EEE, has Presented a Project on “**Cascaded H bridge multi level inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
71. T. Sai Saran (12A31A0259), student of III-A year EEE, has Presented a Project on “**Cascaded H bridge multi level inverter**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
72. P.S. Manikanta Bhavani (12A31A02A5), student of III-B year EEE, has Presented a Project on “**A simple sag generator using SSR’s**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.

73. K. Arun Kumar (12A31A0288), student of III-B year EEE, has Presented a Project on “**A simple sag generator using SSR’s**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
74. V.T.S. Anil (12A31A02B5), student of III-B year EEE, has Presented a Project on “**A simple sag generator using SSR’s**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
75. Ch.Ratna Deepika (12A31A0204), student of III-A year EEE, has Presented a Project on “**Multi way mobile charger**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
76. K.Rajeswari Devi (12A31A0207), student of III-A year EEE, has Presented a Project on “**Multi way mobile charger**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
77. B.Madhuri (12A31A0201), student of III-A year EEE, has Presented a Project on “**Implimentation and determination of temperature monitoring of substation(Project)**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
78. B.N.S.Prathyusha (12A31A0202), student of III-A year EEE, has Presented a Project on “**Implimentation and determination of temperature monitoring of substation(Project)**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
79. Ch.Sowbhagya Valli (12A31A0203), student of III-A year EEE, has Presented a Project on “**Implimentation and determination of temperature monitoring of substation(Project)**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
80. Syed Shah Akram (12A31A02A9), student of III-B year EEE, has Presented a Project on “**GVI solution for load forecasting(Project)**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
81. Ch.Swamy (12A31A0282), student of III-B year EEE, has Presented a Project on “**GVI solution for load forecasting(Project)**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
82. DPN.Sasidhar sarma (12A31A0284), student of III-B year EEE, has Presented a Project on “**GVI solution for load forecasting(Project)**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
83. N.Suhitha Angel (12A31A0210), student of III-A year EEE, has Presented a Project on “**Multi way mobile charger(project)**” at EXULT-2K15 on 10.02.2015 held at Pragati Engineering College.
84. I.S.R.R.Rajaneesh (12A31A0230), student of III-A year EEE, has Presented a Project on “**Clap Switch**” at STEPCONE-2K15 on 30.01.2015 & 31.01.2015 held at GMR institute of technology.
85. B.N.S. Prathyusha (12A31A0202), student of III-A year EEE, has Participated in **Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.
86. C.Sai Pragna (12A31A0212), student of III-A year EEE, has Participated in **Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.
87. K.Sai Srujana (12A31A0205), student of III-A year EEE, has Participated in **Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.
88. B.Shanmukh Rao (14A35A0216), student of II-B year EEE, has Participated in

- Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.
89. M.Chandra Mouli (14A35A0220), student of II-B year year EEE, has Participated in **Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.
90. D.Sai Kumar (12A31A0285), student of III-B year EEE, has Participated in **Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.
91. Syed Shah Akram (12A31A02A9), student of III-B year EEE, has Participated in **Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.
92. Ch.Swamy (12A31A0282), student of III-B year EEE, has Participated in **Technical quiz** at ENCURSO-2K15 on 28.02.2015 & 01.03.2015 held at JNTU Kakinada.

Events:

- **Matrabhasha Diwas Day** was celebrated on 21st Feb, 2015 by EEE Department to promote the use of mother tongue. Just A Minute program was conducted to the students of EEE Department. Students have to speak, one minute in TELUGU language on their topic, had immense response from the Students of EEE, of which top 2 members are declared as winners of 1st & 2nd Prizes. The winners of the Just A Minute event are
- 1) J. Sai Keerthi (13A31A0259) –II EEE B
 - 2) K. Sri Krishna Satya (13A31A0218) –II EEE A



- The Department of Electrical and Electronics Engineering of this college organized a One-day **National Level Technical Symposium “Exult-2k15 Under STRIDES”** on 10th Feb, 2015. This event was inaugurated by the Chief Guest, **Chief guest, Dr. P. Krishna Rao**, Chairman of our college. The Chief Guest advised the students that the college has been taking all the necessary steps to mould students as future industrialists besides imparting technical education.

Sri. M. Satish, Vice-President, Pragati Engineering College also Participated in this programme. He said that “The **STRIDES-EXULT** is an opportunity & platform for

engineering students to explore & exhibit their innate technical & creative skills at National Level” and emphasized the need to focus on R&D activities.

Dr. S. Sambhu Prasad, Principal of the college gave a warm welcome to the Chairman, Directors, Vice-President, and Participants & Students in Presence of the Chairman of the college. Dr. P. Krishna Rao, Directors, HOD’s and Students, extending his wishes for making the event a success.

Dr. A. Kailasa Rao, Director, Pragati Engineering College said that main aim of this Symposium is to highlight the current status & the emerging trends of the technology in various topics towards the betterment of R & D & Industrial needs.

Dr. K. Sathyanarayana, Vice-Principal & HOD-EEE, who played a pivotal role in organizing this programme said that about 225 Entries were Presented in various events like paper Presentation, Poster Presentation, Project Presentation and Technical Quiz, Out of which 30 Paper Presentations, 45 Poster Presentations, 25 Project Presentations and 20 Technical Quiz teams were selected in the final round.

Dr. G. V. Nagesh Kumar, Assoc. Professor of EEE, GITAM University, Visakhapatnam & **Sri M. Nageswara Rao**, Asst. Professor of EEE Department, JNTUK, Kakinada were acted as judges for the final presentation of the event.

Winners of the Event:

PRASTAVANA (Paper Presentation)

First Prize:

1. Ms. T. Sirichandana 2. K. Naga Mallika
topic “Prepaid Energy meter using Smart Card” from JNTUK, Kakinada.

Second Prize:

1. Mr. B. T. V. Sai Kumar 2. Mr. M. P. V. Suryanarayana
topic “Highways are the Power plants of the future” from BVCITS, Batlapalem.

POSTRVARA (Poster Presentation)

First Prize:

1. Ms. A. Sireesha 2. Ms. B. Srujana
topic “Waste to Fuel” from Pragati Engineering College, Suramplaem.

Second Prize:

1. Mr. Y. Bhanu Mahesh 2. Ms. Ch. Rasmi
topic “Li-Fi, Future of Wireless Communication” from Aditya Engineering College, Surampalem.

PRAKALPA (Project model display)

First Prize:

1. Mr. K. Samuel from Aditya Engineering College, Suramplaem
2. Mr. B. Stanley Sudeep from Aditya Engineering College, Suramplaem.
3. Mr. R. Veera Bhadra Kumar from Pragati Engineering College, Surampalem.
topic “Design and implementation of a DTMF Control Robotic Arm”

Second Prize:

1. Mr. M. Krishna Teja
2. Mr. E. Ammanna Sastry
3. Mr. K. Ganesh Dattatreya from Pragati Engineering College, Surampalem.

topic “Water Saving Irrigation System based on Automatic Control by using GSM”

Technical Quiz

First Prize:

1. Mr. K.V. Chaitanya
2. Mr. A. Dileep Sudeep
3. Mr. B. Chinmaya Ramana Swaroop from JNTUK, Kakinada.

Second Prize:

1. Mr. A. Seshanka Venketesh
2. Mr. S. Krishna Kireeti
3. Mr. M. Sesa Sri Harsha from Pragati Engineering College, Surampalem.
4. Finally the valedictory function was conducted at 3.30 P.M.



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

1. Dr. K. Sathyanarayana, Professor - H.O.D
2. Ms. Ch. M. Lakshmi, Assistant Professor
3. Ms. A. Durgabhavani, Assistant Professor

Students:

1. Hanuma Hanish(IV EEE-231)
2. S. Geetha Vardhini(IV EEE-215)
3. E. Ammanna Sastry (III EEE-223)