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 ELECTRICAL ASSOCIATION:

Association of EEE 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 six 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. A. Kailasa Rao  (Director)  B.Tech(Hons), M.Tech, Ph.D,FIE
2. Dr. K.Sathyanarayana  (H.O.D)  M.Tech, Ph.D, MIE, MIEEE, MISTE, C Eng
3. Sri. G.Naresh  M.Tech (Ph.D), MIEEE, MISTE
4. Sri. A.Ramesh  M.Tech, MIEEE, MISTE
7. Ms. P.Vijaya Prasuna  M.Tech
8. Sri. S.M.Shariff  B.Tech, MISTE
9. Sri. M. Balaji  B.Tech
11. Sri. K. Siva Prasad  B. Tech
14. Ms. P. Surekha  B. Tech
15. Mrs. D. Sowmya  B.Tech., M.S.
16. Sri. N. Sunil Kumar  M. Tech
17. Sri. P. Anantha Chaitanya  M. Tech
18. Ms. T. Himaja  B. Tech
19. Ms. R. Jaya Chandra  B. Tech

Achievements of EEE Department:

1. Dr. K. Sathyanarayana, Prof. & HOD of EEE Dept. has been awarded with Ph.D (Doctor of Philosophy) by JNTUK, KAKINADA on 20.06.2013 for the thesis entitled “Performance improvement techniques for Vector controlled Induction Motor Drives” under the guidance of Dr.A.Kailasa Rao, Professor and Director of Pragati Engineering college and Dr.J.Amarnath, Professor in EEE department, JNTUH, Kukatpally, Hyderabad. Dr. K. Sathyanarayana has been felicitated by the College on 21.06.2013 for his meritorious achievement.
Faculty Publications:


Workshops attended by faculty members

- A. Ramesh, Assoc. Prof. of EEE Dept, has attended a Two Day National Level Workshop on “Wide Area Monitoring and Control of Sustainable Power Systems” organized by GITAM University, Visakhapatnam during 24th – 25th January 2013.

- Mr. G. Naresh, Assoc. Prof. in EEE Dept, has attended a One Day Workshop on “Awareness on Latest NBA Accreditation Process & ISTE AP Section Awards Function” organized by Lakireddy Bali Reddy College of Engineering(Autonomous) on 02.02.2013.

- Mr. B. Ramesh, Asst. Prof. in EEE Dept, has attended a One Day Seminar Programme on “Energy and Environmental Problems facing the Third World and the Solutions” under TEQUIP-II S.C.1.2 organized by Velagapudi RamaKrisha Siddhartha Engineering College, (Autonomous), Vijayawada on 16.02.2013.

- Mr. K. Siva Prasad, Asst. Prof. of EEE Dept, has attended a Two Day Faculty Development Programme on “Recent Trends in Power Electronics” organized by B.V.C. Institute of Technology & Science, Batlapalem during 17th – 18th February 2013.

- Mr. E. Durga Prasad, Asst. Prof. of EEE Dept, has attended a Two Day Faculty Development Programme on “Recent Trends in Power Electronics” organized by B.V.C. Institute of Technology & Science, Batlapalem during 17th – 18th February 2013.
Ms. Ch. M. Lakshmi, Asst. Prof. of EEE Dept, has attended a One Day Workshop on “Orientation class for GATE-2014” organized by T.I.M.E. Institute on 17.02.2013.

The following Staff members are attended the One day Faculty Development Programme on “Outcome based Engineering Education for Quality Assurance” by Dr. P. G. Sastry, Former Principal of NIT, Warangal on 24.02.2013 organized by ISTE Chapter of Pragati Engineering College.

1. Dr. A. Kailasa Rao
2. Mr. G. Naresh
3. Mr. A. Ramesh
4. Mr. B. Ramesh
5. Mr. S. M. Shariff
6. Mr. M. Balaji
7. Mr. K. Siva Prasad
8. Mr. E. Durga Prasad
9. Ms. P. Vijaya Prasuna
10. Ms. Ch. M. Lakshmi
11. Mr. R.J.J. Dhanamjay
12. Mrs. D. Sowmya


A. Ramesh, Assoc. Prof. of EEE Dept, has attended a Three Day National Level Workshop on “Wide Area Monitoring and Control of Sustainable Power Systems” organized by NIT, Warangal during 24th – 25th May 2013.


GUEST LECTURES Conducted by eee DEPARTMENT UNDER IEEE STUDENT BRANCH:

1. IEEE Student Branch of Electrical and Electronics Engineering Department of this college has arranged the guest lecture with Sri V. Mohan Raj Kumar, General Manager (Electrical), Reliance Power Limited on “Switchyard/Substations” on 13.02.2013. The guest lecture was held in Seminar hall-I and around 200 students of Electrical and Electronics Engineering Department, faculty, Directors’, Principal, Head of the Department of the college were attended the programme.
2. IEEE Student Branch of Electrical and Electronics Engineering Department of this college has arranged the guest lecture with Dr. K. Raja Reddy, Former Principal, JNTU, Ananthapur & Director of Evaluation(Retd.), JNTUH, Kukatpally on “Power System Analysis” on 15.06.2013. The guest lecture was held in Seminar hall-I and around 225 students of Electrical and Electronics Engineering Department, faculty, Directors’, Principal, Head of the Department of the college were attended the programme.

Students’ Awards:

1. P. Santhoshi Kavya (09A31A0215), student of IV EEE was selected as the “BEST OUTGOING STUDENT” of the year 2012-13 and she has been awarded with cash prize and GOLD medal in PRISM on 11.01.2013.
2. P. Santhoshi Kavya (09A31A0215), student of IV EEE was selected as the “Merit Scholarship” of the year 2012-13 by TATA Consultancy Services and she has been awarded with cash prize of Rs 10,000 on 20.02.2013.
Result Analysis & Placements

I. M.Tech. II semester Toppers:

- P. Surekha (11A3AD5403) – 85.43%
- S. M. Shariff (11A3AD5414) – 77.53%

IV. B.Tech. I semester Toppers:

- P. Santhoshi Kavya (09A31A0215) – 92%
- P. Hanu Mounica (09A31A0213) – 88.40%
- T. P. Krishna Mohan (09A31A0255) – 88.40%

III. B.Tech. I semester Toppers:

- S. L. Sravya (10A31A0217) – 90.04%
- N. Hima Pratyusha (10A31A0212) – 84.13%

II. B.Tech. I semester Toppers:

- Ch. Nithin Chandra (11A31A0227) – 83.27%
- M.V.G.Sai Manikanta (11A31A0243) – 80.73%

IV. B.Tech. II semester Toppers:

- M. Srisaibhashkar (09A31A0241) – 86.2%
- V. Satya Rohini (09A31A0216) – 86.1%

III. B.Tech. II semester Toppers:

- V. L. Sowjanya (11A35A0202) – 76.8%
- V.J. S. S. Sarma (10A31A0259) – 76.3%

II. B.Tech. II semester Toppers:

- V. Sowjanya (11A31A0216) – 86.42%
- D. Ganesh Nandu (11A31A0229) – 85.09%

LIST OF STUDENTS PLACED IN MNCs OF 2009-13 BATCH

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name Of The Student</th>
<th>HT No</th>
<th>Selected Organization</th>
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<tbody>
<tr>
<td>1</td>
<td>A.N.V.LAVANYA</td>
<td>09A31A0202</td>
<td>TCS</td>
</tr>
<tr>
<td>2</td>
<td>B.PHANI MADHURI</td>
<td>09A31A0211</td>
<td>TCS</td>
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<tr>
<td>3</td>
<td>P.S.KAVYA</td>
<td>09A31A0215</td>
<td>TCS</td>
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<tr>
<td>4</td>
<td>M.V.CHANDRA KUMAR</td>
<td>09A31A0243</td>
<td>TCS</td>
</tr>
<tr>
<td>5</td>
<td>P.A.V.KIRAN</td>
<td>09A31A0251</td>
<td>TCS</td>
</tr>
<tr>
<td>6</td>
<td>N.SWATHI KIRAN</td>
<td>10A35A0205</td>
<td>TCS</td>
</tr>
</tbody>
</table>


**Student Awards in various activities:**

1. B. Bhanu Kiran (10A31A0220), student of III year EEE, has participated in **Basket Ball** and won the 1st prize in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.

2. K Sai ram Kumar (10A31A0232), student of III year EEE, has participated in **Basket Ball** and won the 1st prize in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.

3. K. Krishna Kishore (10A31A0240), student of III year EEE, has participated in **Basket Ball** and won the 1st prize in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.

4. M. Thrimurthulu (10A31A0242), student of III year EEE, has participated in **Basket Ball** and won the 1st prize in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.

5. N. Lokesh (10A31A0246), student of III year EEE, has participated in **Basket Ball** and won the 1st prize in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.

6. S. Vamsi Krishna (10A31A0252), student of III year EEE, has participated in **Basket Ball** and won the 1st prize in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.

7. T. Pruthvi (10A31A0255), student of III year EEE, has participated in **Basket Ball** and won the 1st prize in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.

8. S. Uday Kiran (11A31A0254), student of II year EEE, has participated in **Shotput** and won the 1st prize at PERSIM (Sports day) on 10.01.2013 held at Pragati Engineering college, Surampalem.

9. P. Srinivasa Rao (11A31A0250), student of II year EEE, has participated in **Running (200mts) Competition** and won the 1st prize at PERSIM (Sports day) on 10.01.2013 held at Pragati Engineering college, Surampalem.

10. P. Srinivasa Rao (11A31A0250), student of II year EEE, has participated in **Running (100mts) Competition** and won the 3rd prize at PERSIM (Sports day) on 10.01.2013 held at Pragati Engineering college, Surampalem.

11. Ch. Satyanarayana (11A31A0226), student of II year EEE, has participated in **Running (100mts) Competition** and won the 1st prize at PERSIM (Sports day) on 10.01.2013 held at Pragati Engineering college, Surampalem.

12. Ch. Satyanarayana (11A31A0226), student of II year EEE, has participated in **Running (400mts) Competition** and won the 2nd prize at PERSIM (Sports day) on 10.01.2013 held at Pragati Engineering college, Surampalem.

13. V. Rama Krishna Swamy J (09A31A0258), student of IV year EEE, has participated in **Singing Competition** and got 1st prize in STEPCONE 2K13 held at GMRRIT, Rajam. P. V. Uma Mahesh (11A31A0245), student of II year EEE, has participated in **Paper Presentation on “Robotic Inspection of Transmission Lines”** and won the 2nd prize in the event “WAVES 2K13” during 7th to 9th March 2013 held at KIET, Korangi.

14. J. S. Kondala Rao (11A31A0232), student of II year EEE, has participated in **Paper Presentation on “Robotic Inspection of Transmission Lines”** and won the 2nd prize in the event “WAVES 2K13” during 7th to 9th March 2013 held at KIET, Korangi.

15. Ch. Vamsi Krishna (12A35A0206), student of II year EEE, has participated in **Poster Presentation on “Predictive Battery Maintenance for Hybrid Electric Vehicles”** and won the 1st prize in the event “GRID 2K13” on 13.03.13 held at Chaitanya Institute of Science & Technology, Madavapatnam.
16. V. Uday Kiran (11A31A0258), student of II EEE, has participated in Singing Competition and got 2nd prize in the event ENCURSO-2K13 on 06.03.2013 held at JNTU, Kakinada.

Student Participation:
1. P. Siva Prasad (11A31A0248), student of II year EEE, has participated in Hardware Expo entitled “Automation of Solar based Irrigation System” in event MAHOTSTAV-2K13 held at Vignan University, Vijayawada.
2. V. Venkatesh (11A31A0257), student of II year EEE, has participated in Hardware Expo entitled “Automation of Solar based Irrigation System” in event MAHOTSTAV-2K13 held at Vignan University, Vijayawada.
3. T. Praneeth Kowshik (11A31A0255), student of II year EEE, has participated in Hardware Expo entitled “Automation of Solar based Irrigation System” in event MAHOTSTAV-2K13 held at Vignan University, Vijayawada.
4. Ch. Nitin Chandra (11A31A0227), student of II year EEE, has participated in Poster Presentation entitled “Predictive Battery Management for Hybrid Electric Vehicles” in event ELAN-2k13 held at IIT, Hyderabad.
5. Ch. Vamsi Krishna (12A35A0206), student of II year EEE, has participated in Poster Presentation entitled “Predictive Battery Management for Hybrid Electric Vehicles” in event ELAN-2k13 held at IIT, Hyderabad.
6. K. Sri Sai rama (11A31A0206), student of II year EEE, has participated in Poster Presentation entitled “Predictive Battery Management for Hybrid Electric Vehicles” in event ELAN-2k13 held at IIT, Hyderabad.
7. K. V. Lavanya (11A31A0208), student of II year EEE, has participated in Poster Presentation entitled “Predictive Battery Management for Hybrid Electric Vehicles” in event ELAN-2k13 held at IIT, Hyderabad.
8. B. Bhanu Kiran (10A31A0220), student of III year EEE, has participated in Basket Ball Competition at COLORS held at Aditya Engineering College, Surampalem.
9. K. Sai ram Kumar (10A31A0232), student of III year EEE, has participated in Basket Ball Competition at COLORS held at Aditya Engineering College, Surampalem.
10. K. Krishna Kishore (10A31A0240), student of III year EEE, has participated in Basket Ball Competition at COLORS held at Aditya Engineering College, Surampalem.
11. M. Thrimurthulu (10A31A0242), student of III year EEE, has participated in Basket Ball Competition at COLORS held at Aditya Engineering College, Surampalem.
12. N. Lokesh (10A31A0246), student of III year EEE, has participated in Basket Ball Competition at COLORS held at Aditya Engineering College, Surampalem.
13. S. Vamsi Krishna (10A31A0252), student of III year EEE, has participated in Basket Ball Competition at COLORS held at Aditya Engineering College, Surampalem.
14. T. Pruthvi (10A31A0255), student of III year EEE, has participated in Basket Ball Competition at COLORS held at Aditya Engineering College, Surampalem.
15. Ch. Satyanarayana (11A31A0226), student of II year EEE, has participated in Volley Ball Competition in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.
16. S. Uday Kiran (11A31A0254), student of II year EEE, has participated in Volley Ball Competition in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.
17. M. Jacob (11A31A0238), student of II year EEE, has participated in Volley Ball Competition in JNTUK, Inter Collegiate Zonal games held at Vasavi Engineering College, Tadepalligudem.
18. V. Uday Kiran (11A31A0258), student of II year EEE, has participated in Rock band Singer in PRSIM (Cultural Activities) on 11.01.2013 held at Sri Bhaskara Functional Hall, Kakinada.
19. D. Renuka (11A31A0204), student of II year EEE, has presented a **DANCE Program** in PRSIM (Cultural Activities) on 11.01.2013 held at Sri Bhaskara Functional Hall, Kakinada.

20. L. Vasudev (11A31A0237), student of II year EEE, has presented a **DANCE Program** in PRSIM (Cultural Activities) on 11.01.2013 held at Sri Bhaskara Functional Hall, Kakinada.

21. R. Anish Kumar (12A35A0208), student of II year EEE, has presented a **DANCE Program** in PRSIM (Cultural Activities) on 11.01.2013 held at Sri Bhaskara Functional Hall, Kakinada.

22. M. Anitha Bhanu (12A35A0202), student of II year EEE, has presented a **DANCE Program** in PRSIM (Cultural Activities) on 11.01.2013 held at Sri Bhaskara Functional Hall, Kakinada.

23. V. Rama Krishna Swamy J (09A31A0258), student of IV year EEE, has participated in **Rock Band Singer** in PRSIM (Cultural Activities) on 11.01.2013 held at Sri Bhaskara Functional Hall, Kakinada.

24. K. Srilakshmi (10A31A0208), student of III year EEE, has participated in **Rangoli Competition** in PRSIM (Cultural Activities) on 10.01.2013 held at Pragati Engineering College.

25. K. Ravi Teja (11A35A0235), student of III year EEE, has presented a **DANCE Program** in PRSIM (Cultural Activities) on 11.01.2013 held at Sri Bhaskara Functional Hall, Kakinada.

26. M. Jacob (11A31A0238), student of II year EEE, has participated in **Paper Presentation** entitled “**Magnenn Air Rotor Systems**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

27. V. Ram Kumar (11A31A0260), student of II year EEE, has participated in **Paper Presentation** entitled “**Wireless Mobile Charging**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

28. L. Vasudev (11A31A0237), student of II year EEE, has participated in **Paper Presentation** entitled “**Wireless Mobile Charging**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

29. V. Uday Kiran (11A31A0258), student of II year EEE, has participated in **Paper Presentation** entitled “**Wireless Mobile Charging**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

30. V. V. Sai Shankar (11A31A0259), student of II year EEE, has participated in **Paper Presentation** entitled “**Electricity from Footsteps**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

31. B. Srimani Naidu (11A31A0222), student of II year EEE, has participated in **Paper Presentation** entitled “**Electricity from Footsteps**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parishad, Visakhapatnam.

32. B. JayaPrakash (11A31A0223), student of II year EEE, has participated in **Paper Presentation** entitled “**Electricity from Footsteps**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

33. N. Veerendra Reddy (11A31A0244), student of II year EEE, has participated in **Paper Presentation** entitled “**Advanced Nuclear Energy Systems**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

34. M.V.G. Sai Manikanta (11A31A0243), student of II year EEE, has participated in **Paper Presentation** entitled “**Advanced Nuclear Energy Systems**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

35. I. Hanuma Hanish (11A31A0231), student of II year EEE, has participated in **Paper Presentation** entitled “**Advanced Nuclear Energy Systems**” in event EKTHRA-2K13 on 01.03.2013 held at Gayathri Vidya Parashad, Visakhapatnam.

36. N. Veerendra Reddy (11A31A0244), student of II year EEE, has participated in **Paper Presentation** entitled “**Advanced Nuclear Energy Systems**” in event TECHNOTHON-2K13 during 05.03.2013 to 06.03.2013 held at Sri Prakash Engineering College, Rajahmundry.
37. P. V. Uma Mahesh (11A31A0245), student of II year EEE, has participated in Paper Presentation entitled “Advanced Nuclear Energy Systems” in event TECHNOTHON-2K13 during 05.03.2013 to 06.03.2013 held at Sri Prakash Engineering College, Rajahmundry.
38. M.V.G. Manikanta (11A31A0243), student of II year EEE, has participated in Paper Presentation entitled “Waste Heat Recovery Power Plant” in event TECHNOTHON-2K13 during 05.03.2013 to 06.03.2013 held at Sri Prakash Engineering College, Rajahmundry.
40. S. Ravi Teja (12A35A0211), student of II year EEE, has participated in Poster Presentation entitled “Automotive Generation and Control” in event GRID-2K13 on 13.03.2013 held at Chaitanya Institute of Science & Technology, Madavapatnam.
41. Ch. Nitin Chandra (11A31A0227), student of II year EEE, has participated in Poster Presentation entitled “Automotive Generation and Control” in event GRID-2K13 on 13.03.2013 held at Chaitanya Institute of Science & Technology, Madavapatnam.
42. A. Prakash (11A31A0218), student of II year EEE, has participated in Poster Presentation entitled “Generation of Green Power” in event PRAZNA-2K13 on 07.03.2013 held at KITS, Ramachandrapuram.
43. K. Gopi Apparao (12A35A0207), student of II year EEE, has participated in Poster Presentation entitled “Generation of Green Power” in event PRAZNA-2K13 on 07.03.2013 held at KITS, Ramachandrapuram.
44. S. V. Sowmya (11A31A0214), student of II year EEE, has participated in Poster Presentation entitled “North Grid Failure” in event ENCURSO-2K13 on 09.03.2013 held at JNTUK, Kakinada.
45. L. Lavanya (11A31A0209), student of II year EEE, has participated in Poster Presentation entitled “North Grid Failure” in event ENCURSO-2K13 on 09.03.2013 held at JNTUK, Kakinada.
46. Ch. Nitin Chandra (11A31A0227), student of II year EEE, has participated in Technical Quiz in event GRID-2K13 on 13.03.2013 held at Chaitanya Institute of Science & Technology, Madavapatnam.
47. S. Ravi Teja (12A35A0211), student of II year EEE, has participated in Poster Presentation entitled “Automotive Generation and Control” in event GRID-2K13 on 13.03.2013 held at Chaitanya Institute of Science & Technology, Madavapatnam.

Industrial Visits And Events

1. III year EEE (2010-14 batch) students visited the Reliance InfraStructure Limited 220MW Samalkot Power Plant on 15.02.2013. Here the students observed the total equipment and its functioning of Power Plant. This is an successful trip under the guidance of faculty members of Mr. S. M. Shariff & Ms. P. Vijaya Prasuna.
2. II year EEE (2011-15 batch) students visited the 220KV/132KV/33KV substation, Achampeta, Kakinada on 21.02.2013. Here the students observed the total equipment and its functioning of substation. This is an successful trip under the guidance of faculty members of Mr. E. Durga Prasad & Ms. Ch. M. Lakshmi.

Farewell Function:

Our III EEE (2010-14 batch) students organized farewell function on 04.04.2013 in our college to their seniors for wishing them a very good luck to their bright future.

EDITORIAL BOARD COMMITTEE:

Staff
1. Dr. K. Sathyanarayana, H.O.D-E.E.E
2. Ms. Ch. M. Lakshmi, Assistant Professor

Students:
K. Veerraju (IV EEE - 236)
I. Hanuma Hanish(III EEE-231)
S. Geetha Vardhini(III EEE-215)