

PRIYADARSHINI ENGINEERING COLLEGE

NEWS LETTER

OF THE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

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ABOUT THE INSTITUTE

Priyadarshini Engineering College, the flagship of Jai Barath Charitable Trust, was established in 1995 at Vaniyambadi in Vellore District of Tamil Nadu. The college has been approved by All India Council for Technical Education, New Delhi & affiliated to Ana University, Chennai. Priyadarshini Engineering College situated in the rural area of Vaniyambadi, Vellore District is committed to the vision of developing itself into a multi-campus, Inter-disciplinary Institution of Excellence through symbiotic efforts and innovative practices of management and faculty to provide the student with an ambient academic environment, ideal for the pursuit of knowledge

VISION OF THE INSTITUTE

To inculcate in the young rural minds the aptitude to compete with the quality technocrats.

MISSION OF THE INSTITUTE

- *To instill technical skills to compete in the sustainable world*
- *To impart holistic value based technical education*
- *To intensify research and development (r & d) activities in technological development*

To imbibe core values of love for motherland

MOTTO

Perseverance, Endurance, Commitment

“கற்றலும், கற்றவைகேட்டலும், கேட்டதன்கண்ணிற்றலும்”

VISION OF THE DEPARTMENT

To produce eminent electrical engineers specifically from the rural background.

MISSION OF THE DEPARTMENT

- *Infuse moral ethics and good virtues to the students*
- *Providing good technical knowledge for innovative research and development*
- *Making them excellent in extracurricular activities*

Programme Educational Objectives (PEOs)

PEO 1: Core Competence

Graduates excel in analyzing, designing, simulating and testing of all electrical and electronics systems.

PEO2: Societal Requirements

Graduates are successful in giving solutions for real time problems to cater to the industrial and societal requirements.

PEO 3: Lifelong Learning

Graduates can adapt to lifelong learning to enhance their technical skills.

PEO 4: Leadership Qualities

Graduates exhibit their leadership qualities in a multidisciplinary field

Programme Outcomes (POs)

PO1: Engineering Knowledge:

Understand and apply basic concepts of Mathematics, Physics, Chemistry and Engineering.

PO2: Problem Analysis :

Understand and analyze circuit theory, electromagnetic theory, control theory and apply them to electrical engineering applications.

PO3: Design & Development of Solutions:

Analyze and design the electrical and electronics components and to apply in solid state drives and power systems.

PO4: Investigation of Complex problems:

Conduct investigation in complex problems of power system operation, stability, control and protection.

PO5: Modern Tool Usage:

Use contemporary computing tools and techniques in Electrical Engineering applications.

PO6: Engineer and Society:

Handle engineering aspects of electrical energy, utilization and the impact of engineering solutions to the societal needs.

PO7: Environment & Sustainability:

Acquire knowledge of contemporary issues to sustain the ever changing environment.

PO8: Ethics:

Apply the ethical principles to their profession and social issues.

PO9: Individual & Team Work:

Perform individually and in a group to accomplish a common goal.

PO10: Communication:

Effectively communicate and present technological developments.

PO11: Lifelong Learning:

Gain self- confidence to engage in lifelong learning.

PO12: Project Management & Finance:

Plan and manage a project in a cost effective manner.

STAFF ACHIEVEMENTS:

- *Mrs.N.Jayanthi, Associate Professor has participated in the one day workshop-Challenges in Engineering Research and publications held at Priyadarshini Engineering College,Vaniyambadi on 11th May-2018.*
- *Mrs.N.Jayanthi, Associate Professor has participated in one day Faculty development Programme on Role of mentoring in Higher Education-A need for 21st Century held at Priyadarshini Engineering college-Vaniyambadi.*
- *Mrs.N.Jayanthi, Associate Professor has participated in the one day workshop Research Methods held at Priyadarshini Engineering College,Vaniyambadi on 31st August2018.*
- *Mrs.C.Bhuvaneswari, Associate Professor has presented a paper entitled Performance Analysis of Two Units of 15KW solar photovoltaic plant Existing in Priyadarshini Engineering college-Vaniyambadi (EECCMC)-2018 in International Conference with paper code:01-2018-1757 in International Conference organized by Priyadarshini Engineering college,Vellore district,Tamilnadu,India during 2^{8th} &29th January 2018.*
- *Mrs.C.Bhuvaneswari, Associate Professor has participated in one day FDP on National Convention on Rejuvenation of Technical Education AICTE held at ,Vivekanandha Educational Institutions for women Tiruchengode-Tk Namakkal-dt on 15th May -2018.*
- *Mrs.C.Bhuvaneswari Associate Professor has participated in the one day workshop-On Challenges in Engineering Research and publications held at priyadarshini Engineering college-Vaniyambadi. on 11th May-2018*
- *Mrs.R.Rajeswari,Associate Professor has presented a paper entitled–Trade off between Energy Consumption and data delivery delay in wireless sensor networks with paper code:01-2018-2011in International Conference organized by Priyadarshini Engineering college,Vellore district,Tamilnadu,India during 2^{8th} &29th January 2018.*
- *Mrs.R.Rajeswari,Associate Professor has presented a paper entitled in National Conference –Automatic detection and tripping of LPG Gas leakage held at priyadarshini Engineering college-Vaniyambadi, on 6th &7th April 2018.*
- *Mrs.R.Rajeswari,Associate Professor has participated in National Conference –Automatic detection and tripping of LPG Gas leakage held at SKP Engineering College,Tiruvannamalai, on 15th March 2018.*

- *Mr.M.Selvaperumal, Associate Professor has participated in National Conference- Analysis of PVF Based hardware security for reconfigurable devices at Karpagam college of Engineering and Technology Coimbatore, on 28th Feb 2018.*
- *Mr.M.Selvaperumal, Associate Professor has participated in International Conference- Harmonic Reduction fuzzy logic based Load FC for hybrid power generation 2011in International Conference organized by Priyadarshini Engineering college,Vellore district,Tamilnadu,India during 2^{8th} &29th January 2018.*
- *Mr.M.Selvaperumal, Associate Professor has participated in National conference fuzzy logic based Load FC for hybrid power generation held at Priyadarshini Engineering college-Vaniyambadi, on 6th April 2018.*
- *Mr.V.Viji,Assistant Professor has participated in International Conference-Performance evaluation on hybrid cascaded nine level inverter for photovoltaic system with MPPT 2011in International Conference organized by Priyadarshini Engineering college,Vellore district,Tamilnadu,India during 2^{8th} &29th January 2018.*
- *Mr.V.Karthikeyan,Assistant Professor has participated in National Conference-Iot Based smart water quality and water quantity monitoring held at Priyadarshini Engineering college-Vaniyambadi, on 15th March 2018*
- *Mr.V.Karthikeyan,Assistant Professor has participated in National Conference-Hybrid Electrical Vehicles held at Priyadarshini Engineering college-Vaniyambadi., on 6th &7th April 2018*
- *Mr.V.Karthikeyan,Assistant Professor has attended 7 days FDP –Computational Energy Management in smart grid held at Vivekanandha college of Engineering for women Thiruchengode,Namakkal distric, on 12.11.2017-03.12.2017.*
- *Mr.V.Karthikeyan,Assistant Professor has attended Teaching and Learning Enhancement through outcome based education on held at Valliammai college Engineering collegekattankulathur,Chennai,on 7th &8th dec 2017*
- *Mrs.K.Malarkodi,Assistant Professor has participated in International Conference –Trade off between Energy Consumption and data delivery delay in wireless sensor networks with paper code: 01-2018-2011in International Conference organized by Priyadarshini Engineering college,Vellore district,Tamilnadu,India during 2^{8th} &29th January 2018.*

- *Mrs.K.Malarkodi,Assistant Professor has participated in National Conference – Automatic smart garbage bin using Arduino mega held at Priyadarshini Engineering college-Vaniyambadi,6th&7th April 2018.*
- *Mr.S.Nirmalrajan,Assistant Professor has participated in National Conference-Possibility of power tapping from composite AC-DC Power transmission held at SKP Engineering College,Tiruvannamalai, on 15th March 2018.*
- *Mr.S.Nirmalrajan,Assistant Professor has participated in National Conference-Integrated Automatic room warning and Alert system Possibility of power tapping from composite AC-DC Power transmission held at Priyadarshini Engineering college-Vaniyambadi, on 6th April 2018.*
- *Mr.A.Ashok kumar,Assistant Professor has attended 7 days FDP –Computational Energy Management in smart grid held at Vivekanandha college of Engineering for women Thiruchengode,Namakkal district, on 20.11.2017-03.12.2017*
- *Mr.A.Ashok kumar,Assistant Professor has participated in National Conference-Design and Implementation of Antitheft ATM Machine using Embedded system held at priyadarshini Engineering college-Vaniyambadi,on 6th April 2018.*
- *Mr.M.C.Annamalai,Assistant Professor has participated in National Conference-Design and Developmant of vision sorting mavhine,Body and fall Detecting system with Heart rate monitoring on held at Priyadarshini Engineering college-Vaniyambad, 6th April 2018.*
- *Mr.P.Elumalai,Assistant Professor has participated in International Conference –Trade off between Energy Consumption and data delivery delay in wireless sensor networks with paper code: 01-2018-2011in International Conference organized by Priyadarshini Engineering college,Vellore district,Tamilnadu,India during 2^{8th} &29th January 2018.*
- *Mr.P.Elumalai,Assistant Professor has attended 7 days FDP –Computational Energy Management in smart grid on 20.11.2017-03.12.2017 Conducted by Vivekanandha college of Engineering for women Thiruchengode,Namakkal district.*
- *Mr.P.Elumalai,Assistant Professor has participated in National Conference-Differential current protection using Arduino held at Priyadarshini Engineering college-Vaniyambadi, 6th April 2018.*

STUDENTS ACHIEVEMENTS:

- *Mr.Sakthivel.V of Third year has participated in Events ELECTROFORUM 2k18, A National Level Technical Symposium organized by the Department of Electrical and Electronics Engineering on 2nd March 2018 at P.S.V College Of Engineering & Technology ,Mittapalli, Chennai-Bangalore Highway, Krishnagiri.*
- *Mr.Rahul.V of Third year has participated in Events ELECTROFORUM 2k18, A National Level Technical Symposium organized by the Department of Electrical and Electronics Engineering on 2nd March 2018 at P.S.V College Of Engineering & Technology ,Mittapalli, Chennai-Bangalore Highway, Krishnagiri.*
- *Mr.Mohan.S of Third year has participated in Events ELECTROFORUM 2k18, A National Level Technical Symposium organized by the Department of Electrical and Electronics Engineering on 2nd March 2018 at P.S.V College Of Engineering & Technology ,Mittapalli, Chennai-Bangalore Highway, Krishnagiri.*
- *Mr.Dinesh kumar.k of Third year has participated in Events ELECTROFORUM 2k18, A National Level Technical Symposium organized by the Department of Electrical and Electronics Engineering on 2nd March 2018 at P.S.V College Of Engineering & Technology ,Mittapalli, Chennai-Bangalore Highway, Krishnagiri.*
- *Mr.Sakthivel.V,Arumugam.S, Ms.Kaviya.M, Kokila.M of Third year has attended Inplant Training from 04.12.2017-8.12.2017230Kv/110 Substation-Singarapettai.*
- *Mr.Suresh.C &Rajimuthu.C of Third year has attended Inplant Training from 04.12.2017-8.12.2017230Kv/110 Substation-Vinnamangalam.*
- *Mr.Md.YousufImad.R,MuzammilSufiyan.T,DanishFuaad.G,Junaid Baig.A of Third year has attended Inplant Training from 04.12.2017-8.12.2017230KV/110 Substation-Vinnamangalam.*
- *Mr.Nirmalkumar.M,Govindaraj.R,Pavithra.K.M,Komathi.D,Prabavathy.P,Banupriya.D, Ranjitha.S,Nivedhitha.B of final year has attended Inplant Training from 04.12.2017-8.12.2017230Kv/110 Substation-Vinnamangalam.*
- *Mr.Junaid Baig.A of Third year Priyadarshini Engineering college-Vaniyambadi has been awarded first prize in the event General quiz of an Inter-collegiate 18 on 31st January 2018 at Islamiah College (Autonomous).*

- *Mr.Junaid Baig.A of Third year Priyadarshini Engineering college-Vaniyambadi has participated in Paper presentation in the National level Technical symposium Electryonz 2018 held on 14th & 15th February at Government College Of Engineering Barugur.*
- *Mr.Junaid Baig.A of Third year has participated in the one day workshop Research Methods held at Priyadarshini Engineering College,Vaniyambadi on 31st August 2018.*
- *Mr.Junaid Baig.A of Third year Priyadarshini Engineering college-Vaniyambadi has participated in Technical Quiz A National level Technical symposium Electryonz 2018 on 14th & 15th February at Government College Of Engineering Barugur.*
- *Mr.Junaid Baig.A student of B.E(EEE)Priyadarshini Engineering college-Vaniyambadi undergone Inplant training 18/06/2018 to 23/06/2018 at BHEL,Ranipet-632406,Tamilnadu.*
- *Mr.Md.YousufImad.R,MuzammilSufiyan of Third year Priyadarshini Engineering college-Vaniyambadi has won first prize in paper presentation- in the national level Technical symposium Electryonz 2018 on 14th & 15th February at Government College Of Engineering Barugur.*
- *Mr.Junaid Baig.A of Third year Priyadarshini Engineering college-Vaniyambadi has presented a paper –E-Toll system in A National level Technical symposium Electropower 2018 on 27th February at Podhigai College Of Engineering and Technology Tirupattur.*
- *Mr.Nizammudin.V.P of Second year priyadarshini Engineering college-Vaniyambadi has participated in One day training programme officers and peer leaders sponsored by TANSACS and conducted by red ribbon club of Anna University on 27.03.2018.*
- *Mr.Nizammudin.V.P of Second year priyadarshini Engineering college-Vaniyambadi has participated in One day training programme on Disaster Management for the red cross volunteers held on 07.03.2018 Conducted by priyadarshini Engineering college-Vaniyambadi.*
- *Mr.Nizammudin.V.P of Second year priyadarshini Engineering college-Vaniyambadi has participated in the event of paper presentation-Wireless Energy ransmission via Laser and won first prizes in A National level Technical symposium held on 5th October 2018.*



MYSTERIOUS TRANSIENTS

*The Department organised a National
Level Technical Symposium on 9th March
2018*

ER.R.KUBENDIRAN

Asst.Executive Engineer(Operation and
Maintenance) NCTPS was the chief guest
and given Presentation on the topic
Electricity.