

Vizasa

The News Letter

2015-2016



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*Department of Electronics and
Communication*

**Priyadarshini
Engineering College
Vaniyambadi
635751**

ABOUT THE COLLEGE

Moved by the sad plight of affairs which was prevailing among the rural based population of Vaniyambadi and nearby Village who were quite unaware of the technological explosion that was taking place in India, the philanthropist of Vaniyambadi and nearby villages came together and established Jai Barath Charitable Trust in the year 1994 and started Priyadarshini Engineering College in the year 1995 under its banner with their sumptuous contributions.

With the sole aim that the accomplishment of the Vision and Mission of the Trust does not get shattered, the matter was referred to the Honorable High Court of Madras for scheming. The Honorable High Court of Madras appointed Retired Justice V.Rengasamy as the Receiver of the Trust in the year 2004 which appointment was confirmed by the Honorable Supreme Court of India, New Delhi. Right from that time Honorable Justice V.Rengasamy with his efficient leadership, guidance and impeccable integrity is administering Priyadarshini Engineering College faithfully following the Vision and Mission of Jai Barath Charitable Trust in letter and spirit and has raised the college to greater heights.

He took initiative to establish palatial buildings and labs in the college. He made it a point to fully equip the labs with the necessary software and our labs are deficient free as per the AICTE and Anna University norms. He introduced B.E (Civil) in Undergraduate Course and M.E (Power Systems), M.E (Engineering Designs), M.E (Communication System) and M.E (Computer Science Engineering) in Postgraduate course. He continues to administer the institution with full zeal and zest till date.

VISION:

- ✦ To Inculcate In The Young Rural Minds The Aptitude To Compete With The Quality Technocrats

MISSION:

- ✦ To instill technical skills to compete for a sustainable world
- ✦ To impart holistic value based technical education
- ✦ To intensify international research and development (R & D) cooperation in technological development
- ✦ To imbibe core values of love for motherland, performance of duty, compassion, tolerance, honesty and integrity

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in PEC in the year 1995 with the intake of 60 students with the objective of imparting quality education in the field of Electronics and Communication and the intake was increased to 120 in the year 2013. The department started M.E. Communication System in the year 2014 with an intake of 24 students. At present, the department is offering an undergraduate course in Electronics and Communication Engineering and one post graduate course in Communication Systems. The department has well-equipped laboratories with the facility of working in various areas like Integrated circuits, Microprocessor and Microcontrollers with interfaces, Microwave and optical communication, Digital signal processing and VLSI etc. The department has dynamic and committed faculty members who have published and presented papers in various Journals, National and international conferences in the area of speech processing, image processing, wireless communication networks and neural networks. Original MATLAB 7.0 with signal processing tool box, ORCAD PSPICE 10.1 version, XILINX 9.1 version is added to the department to bring multi faceted knowledge among students in the ECE discipline. The department in association with student professional bodies like ISTE, ICTACT has organized several workshops, conferences and other technical events.

The ultimate aim of the department is to foster the technical skills in the field of Electronics and Communication that will help the students to practically express their findings as products conducive to the society.

VISION OF THE DEPARTMENT

- ✚ To develop high quality, technically competent and socially responsible engineers in the field of communication from rural background.

MISSION OF THE DEPARTMENT

- ✚ To imbibe technical skills among graduates relevant to the area of electronics and communication engineering field.
- ✚ Making our students technologically superior and ethically strong.
- ✚ To instill skills among students to meet the industrial requirement.

PROGRAM EDUCATIONAL OBJECTIVES (PEO'S)

PEO1: Core Competence

Graduates excel in analyzing, designing, simulating and testing of all Electronics and Communication Engineering.

PEO2: Breadth

Graduates exhibit their multidisciplinary skills to integrate contemporary knowledge.

PEO3: Life Long Learning

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

PEO4: Professionalism

Graduates excel in their professional careers as Engineers, consultants and entrepreneurs.

PROGRAMME OUTCOMES (PO'S)

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, communication theory and apply them to electronics and communication engineering applications.

PO3 (Design & Development of Solutions): Analyze and design the electronic components and to apply in analog and digital communication systems.

PO4 (Investigation of Complex Problem): Analyze and design the electronic components and to apply in analog and digital communication systems.

PO5 (Modern Tools Usage): Use contemporary computing tools and techniques in electronics and communication Engineering applications.

PO6 (Engineer and Society): Handle engineering aspects of modern electronics and communication technology, 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.

FROM THE EDITORS DESK

Dear Readers,

Hearty welcome to the newly launched ECE Department's first issue of the news letter for the academic year 2015-2016.

The objectives of the news letter is to mainly focus on the

- Achievements of the Students and faculty members from the ECE department in Curricular, Co-Curricular and Extra –curricular Activities.
- The Recent Trends in the area of Electronics and Communication Engineering and related areas.

I congratulate all my team members for their constant efforts in launching this News Letter. We are very thankful to our Management and Principal for their Support and Encouragement.

Dr.R.Sivakumar, Editor-in-chief, Dept News Letter

EDITORIAL BOARD:

<i>Dr.R.Sivakumar,</i>	<i>Abrar Basha</i>
<i>Associate Professor & Head, Dept of ECE</i>	<i>Final Year ECE</i>
<i>Editor -in-chief, Dept News Letter</i>	

<i>Mrs S.Samundeeswari,</i>	<i>S.Pavithra</i>
<i>Associate Professor/ECE</i>	<i>Final Year ECE</i>

<i>Ms.S.Ramapriya</i>	<i>A.Nazar</i>
<i>Assistant Professor/ECE</i>	<i>Final Year ECE</i>

<i>Mr. G.Subramani,</i>	<i>T.Soorya</i>
<i>Associate Professor/ECE</i>	<i>Final Year ECE</i>

Department Events		
Date	Program	Dignitaries
28.08.2015	Organized one day workshop on “Mainframe development and Administration”	Chief Guest: Mr. G.Giridharan, IBM, Bangalore.
18.12.2015to 19.12.2015.	Organized three days workshop on “NS2-Network Simulator”	Chief Guest: Mr.A.Bagubali and Kishore V.Krisnan, Assistant Professors from VIT University



One day workshop on “Mainframe development and Administration”



Three days workshop on “NS2-Network Simulator”

Staff Achievement Details and Participation in Various Institutions:

- Ms.S.Gayathri, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Ms.S.Samundeeswari AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Ms.S.SenthamizhSelvi, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Ms.Ramapriya, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- , Ms.R.Elavarasi, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Ms.G.Gayathri, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.G.Subramani, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.R.Selvarasan, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.K.Karthik, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.K.Sridhar, AP from ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.

- Mr.A.S.Krishnamurthi,APfrom ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.S.Karthik,APfrom ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.G.Manigandan ,APfrom ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.T.Vignesh, APfrom ECE department attended a one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st August 2015.
- Mr.P.ArunKumar,AP from ECE attended one day workshop on “Digital Resource centre using Dspace and DigiMat” organized by Priyadarshini Engineering college on 1st Aug 2015.
- Dr.M.UmaDevi, Professor/ECEattended two days workshop on “NS2-Network Simulator”, at priyadarshini Engineering College, Vaniyambadi on18th& 19th December 2015.
- Dr.R.Sivakumar,HOD & Professor/ECE attended two days workshop on “NS2-Network Simulator”, at priyadarshini Engineering College, Vaniyambadi on18th& 19th December 2015.
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Student Achievement:

S.No	Name	Event	Date	College
1.	Mohammed Rafi and S.Murugesan	Presented a paper on “Li-Fi”	7.9.2015	Adhiyamaan Engineering college
2.	D.Arun Kumar and R.Devendhiran has	presented a paper on “Gi-Fi”	7.9.2015	Adhiyamaan Engineering college
3.	S.N.Marroof and R.S.Giridharan	presented a paper on “4G”	11.9.2015	Hosur Institute of Technology and Science
4.	R.Mohammed Rafi and S.Murugesan	presented a paper on “Li-Fi”	11.9.2015	Hosur Institute of Technology and Science
5.	D.Arun Kumar and R.Devendhiran	Presented a paper on “Gi-Fi”	11.9.2015	Hosur Institute of Technology and Science
6.	Aravindhana and V.Kumaraguru	Presented a paper on “Generation of Mobile”	11.9.2015	Hosur Institute of Technology and Science
7.	R.Nagarajan	Participated in Circuit Debugging event	30.9.2015	At ELECTROCALIFA 2k15 University College of Engineering, Ariyalur.

INDUSTRY INSTITUTION INTERACTION:***Industrial Visit:***

S.No.	Department	Date of Visit	Industry
1.	Electronics and Communication Engineering/ Final Year	21 st August 2015	Kerala Electrical & Allied Engineering Co.Ltd,Mamala, Kochi
2.	Electronics and Communication Engineering/ Third Year	17 th August 2015	Accent Technosoft, Coimbatore

In-Plant Training:

S.No.	Student Name	Year	Date of Visit	Industry
1.	Pavithra.S, Shalini.S, Ramya.L	Final Year ECE	29-06-2015 to 04-07-2015	BHEL, Boiler Auxiliaries Plant, Ranipet

SPORTS:

- Third year ECE student S.Suganya has won 4th prize in Shuttle (Women) conducted by the tournaments of zonal level Anna University sports meet on August 2015.



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