



PRIYADARSHINI ENGINEERING COLLEGE, VANIYAMBADI-635751.

Department of Electronics and Communication Engineering

VIZVASA-(2012-2013)

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COLLEGE MOTTO:

PERSEVERANCE, ENDURANCE, COMMITMENT

“கற்றலும், கற்றவை கேட்டலும், கேட்டதன்கண் நின்றலும்”

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 integrateContemporary 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 2012-2013.

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 Grateful to our Management and Principal for their Support and Encouragement.

Mrs N.Jayakala, Editor-in-chief, Dept News Letter

EDITORIAL BOARD:

Mrs N.Jayakala,
Associate Professor & Head, Dept of ECE
Editor -in-chief, Dept News Letter

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Assistant Professor/ECE

Padmini.K.M
Final Year ECE

Mrs S.Gayathri,
Associate Professor/ECE

K.Rokith Kumar
Final Year ECE

Department Events		
Date	Program	Dignitaries
06.02.2013	Organized one day workshop on “XILINX”	Chief Guest: Mr. K.Sridhar, AP/ECE.
27.2.2013 to 1.3.2013.	Organized three days workshop on “MATLAB, SIMULINK” .	Chief Guest: M.Srinivas, Director of solipsys lab, India Pvt Ltd. Bangalore.
02.03.2013	Organized one day National Level Technical Symposium “ECCLESIA-2K13”	Chief Guest: Mr.S.Rangarajan, DGM/EC&I, BHEL,Ranipet.

Staff Achievement Details and Participation in Various Institutions:

- **Mrs.N.Jayakala**, Associate Professor has participated in the short term training program on Automotive Combustion Control System, Sensors, Actuators, & Real Time Embedded Controllers conducted from 28th to 30th January at IIT Madras.
- **Mrs.N.Jayakala**, Associate Professor has Participated international level conference on the topic of Smart Riding System at Sri Venkateswara College of Engg ,Chennai held on 23.01.13.
- **Mrs. S.Samundeeswari**, Asst Professor has participated in national level workshop Xilinx ISE Design held on 7.2.13 at Global Institute of Engineering & Technology Vellore.
- **Mrs. S.Samundeeswari**, Asst. Professor has given a guest lecture on Satellite Based Wireless Communication at Sri Nandhanam Polytechnic College on 05.02.2013.
- **Mrs. S.Samundeeswari** ,Asst. Professor has participated in national level BDIP And BVLC at Jayalakshmi Institute of Technology, Thoppur,Dharmapuri (Dt) held on 21.3.13
- **Mrs. R.Elavarasi** , Asst .Professor has Participated in national level workshop Xilinx ISE Design held on 7.2.13 At Global Institute Of Engineering & Technology, Vellore.
- **Ms. R. Elavarasi**, Asst. Professor , has given a guest lecture on MEMSat Sri Nandhanam Polytechnic College on 12.02.2013

- **Mrs. R.Elavarasi** , Asst.Professor has participated in national level Jayalakshmi Institute of Technology, Thoppur,Dharmapuri (Dt) held On 21.3.13
- **Mrs.S.Gayathri**, Associate Professor has participated in national level workshop “Embedded Systems” held on 18.03.13 at Sri Venkateswara College of Engineering & Technology ,Thirupachur.
- **Mrs.S.Gayathri**, Associate Professor has participated in national level conference on the topic of “An Efficient Biplane Coding Architecture for a High Resolution Video Image” at Sri Lakshmi Ammal Engg College, Chennai held on 27, 28.3.13.
- **Mrs.S.Gayathri**, Associate Professor has given a guest lecture on “Advanced Communication Engineering” at Vaani Polytechnic College on 28.01.2013.
- **Mr. Selvarasan** , Asst. Professor has participated in national level workshop Recent Trends in Wireless Communication held on from 27.5.2013 to 31.5.13 at Sri Venkateswara College of Engg and Technology ,Chennai.
- **Mr. Selvarasan** , Asst. Professor , has given a guest lecture on Communication systems at Vaani Polytechnic College on 13.03.2013
- **Mr. Selvarasan**, Asst. Professor has participated in national level conference on the topic of “Real Time Application of Paddy Field Monitoring Using Zigbee Network “at Sri Venkateswara Engg College and Technology, Chennai held on 23.1.13.
- **Mr. G.Subramani**, Asst. Professor has participated in one day workshop Wireless Communication held on from 20-05-2012 to 20.06.2012 at Anna University, Chennai.
- **Mr. G.Subramani**, Asst. Professor has given a guest lecture on Electronic circuits at Vaani Polytechnic College on 11.02.2013.
- **Mr. G.Subramani**, Asst. Professor has participated in national level conference on the topic of “Real Time Application of Paddy Field Monitoring Using Zigbee Network” at Sri Venkateswara Engg College and Technology, Chennai Held On 23.1.13.
- **Mr. G.Manigandan**, Asst. Professor has participated in one day workshop FPGA Based Signal and Image Processing Applications Development held on from 07-02-2013 to 09.02.2013 at M.S.Engineering College, Bangalore.
- **Mr. G.Manigandan**, Asst Professor has given a guest lecture on CDMA Standards at Sri Nandhanam College of Engineering & Technology on 09.02.2013
- **Mr. G.Manigandan**, Asst Professor has participated in national level conference on the topic of Analysis of MRI Image of Motor Task using Statistical Parametric Mapping

Techniques at Sri Lakshmi Ammal Engineering, Chennai held on from 27.3.13 to 28.03.2013.

- **Mr.P.Arun Kumar**, Ass.t Professor has participated in national level conference on the topic of Analysis of MRI Image of Motor Task using Statistical Parametric Mapping Techniques at Sri Lakshmi Ammal Engineering, Chennai held on from 27.3.13 to 28.03.2013.
- **Mr.P.Arun Kumar**, Asst Professor has given a guest lecture on 2G Standards at KAR Polytechnic College on 16.02.2013
- **Mr.S.Krishnamurthi**, Asst .Professor has participated in national level conference on the topic of Smat Riding System at Sri Venkateswara College of Engg and Technology,Chennai held on 23.01.2013.
- **Mr.S.Krishnamurthi**, Asst Professor has given a guest lecture on Electronic Devices at Vaani Polytechnic College on 14.02.2013.
- **Mr.S.Senthamizhselvi**, Asst. Professor has participated in one day workshop on Embedded System held on from 18-03-2013 at Sri Venkateswara Engg College and Technology, Chennai.
- **Mr.S.Senthamizhselvi**, Asst. Professor has participated in national level conference on the topic of “Image Enhancement Using Morphological Reconstruction” at “RajaLakshmi Engineering College”,Chennai held on 27,28.03.2013.
- **Mr.S.Senthamizhselvi**, Asst. Professor has given a guest lecture on Application of Microcontroller at Pandiyan Polytechnic College on 05.02.2013
- **Mr.T.Vignesh**, Asst. Professor has participated in one day workshop FPGA Based Signal and Image Processing, Applications Development Held On From 07-02-2013 To 09.02.2013 At M.S.Engineering College,Bangalore.
- **Mr.T.Vignesh**, Asst .Professor has given a guest lecture on RF Spectrum at Sri Nandhanam College of Engineering & Technology at 23.02.2013.
- **Mr.T.Vignesh**, Asst .Professor has participated in national level conference on the topic of analysis of “Mri Image of Motor Task using Statistical Parametric Mapping Techniques” at Sri Lakshmi Ammal Engg Chennai held on from 27.3.13 To 28.03.2013.
- **Mr.S.Karthik**, Asst Professor has participated in national level conference on the topic of “Smat Riding System” at Sri Venkateswara College of Engg And Technology, Chennai held on 23.01.2013.

- **Mr.S.Karthik**, Asst. Professor has given a guest lecture on Communication Theory at Pandiyan Polytechnic College on 21.02.2013.
- **Mr.S.Sridhar**, Asst. Professor has participated in national level conference on the topic of “Voltage and Frequency Controller for A 3-Phase Distribution Level Renewable Energy Conversion” at Sri Venkateswara College of Engg and Technology, Chennai held on 23.01.2013.
- **Mr.J.Vinothkumar**, Asst. Professor has given a guest lecture on Communication systems at Pandiyan Polytechnic College on 15.02.2013.
- **Mr.S.Sridhar**, Asst. Professor has given a guest lecture on Digital Communication at Pandiyan Polytechnic College on 08.02.2013.
- **Mr.D.Ruban**, Asst .Professor has given a guest lecture on Electronic Devices at Pandiyan Polytechnic College on 24.01.2013.
- **Mr.B.Indhumathi**, Asst. Professor has given a guest lecture on Circuits and Devices at Pandiyan Polytechnic College on 13.03.2013.

NON TEACHING STAFF PARTICIPATION DETAILS

- **G.Sritharan,V.Parthiban,A.Manjula** has attended “**xilinx**” software training on 06th February 2013 at Priyadarshini Engineering College, Vaniyambadi.

Student Achievement:

S.No	Name	Event	Date	College
1.	Deepika.D	Participated On Paper Presentation of SCADA For RFID Based Multi Usage Card Systes	2.3.2013	PEC,Vaniyambadi
2.	S.Tamizharuvi	Participated On Paper Presentation	17.3.2013	BharathidasanEngg College Natrampalli

Cultural Events

Ezhilarasi.A has participated on solo dance on Arunai Engg College Tiruvannamalai, Held On 25.02.2012

GALLERY



National Level Technical Symposium "ECCLESIA-2K13" on 02.03.2013



Workshop on
MATLAB and
SIMULINK

