PRATHYUSHA
ENGINEERING COLLEGE

ESTD. 2001

NAAC Accredited "A" Grade & ISO 9001:2008 Certified Institution
Approved by AICTE & Affiliated to Anna University, Chennai
Poonamallee - Tiruvallur High Road, Next to Thirumazhisai ,Chennai-602025
(Telugu Minority Institution)

PRATHYUSHA

ADMINISTRATIVE BLOCK

Administrative Wing
"A Gateway To Technical & Technological Marvel & Excellence"

"To build a technically strong Nation, To empower the Nation with human education,
To re-define women empowerment and to transform India
Through teaching, training and innovative thinking"

Awards   Rewards

2009 - Microsoft Envisioning Award

2010 - Best NI LabVIEW Academy School Award

2011 & 2012 - Best IETE ISF Award

2012 - Guinness Book of World Record - Non Stop Computer Coding

2012 - CII-Innovator Award

2012 - CII sprit Award

2012 - Edupreneurs Award by AICTE & Times Group

2012 - Engineering Educators Award by University of Bradford,
        Robert Gordon University, Aberdeen and Education Matters

2013 - Microsoft Partnership Awards by Microsoft

2013 - CII Award for Project titled ''Next Generation Auto
        Theft Prevention System''

2013 - National Design and Research Forum - Silver Medal for Project
        ''Electronic Accelerator & Steering for Physically Challenged''

2014 - Finalists of Innovation Challenge by PALS 2013- IIT Alumni Club

2014 - Graphical System Design Awarded by National Instruments,

2014 - One among top 20 teams -ABLE BEST Award for
        ''Rapid Diagnosis of typhoid fever with IGMBEN Antibody
        Specific for surface analyzer''.

2015 - Best Design for All Terrian Vehicle funded by CVRDE

We do, justly and rightly blow our own Trumpet but we don't bask in our past glory. The best is yet to be!

A word from our Founder - Chairman

Besides, being a professional business man, it has always been my cherished dream and humble endeavor to take along a team and dedicate our time, effort, energy and resources to develop the infrastructure and the facilities for the future generation and provide a platform for the students to charter their own course of triumph and thus leading the Nation to a glorious future. It is needless to say that my dream came true when I founded Prathyusha Engineering College in 2001 and I am happy that the college serves the purpose for which it was established. May the college grow from strength to strength and scale greater heights of glory in the years to come.

Shri.Paruchuri Raja Rao

Profile of Prathyusha

THE GENESIS

PRATHYUSHA ENGINEERING COLLEGE, Chennai popularly known as PEC is the brain child of the well known industrialist and philanthropist Shri. **P. Raja Rao,** the founder Chairman of the Governing Board of the college. It is also one of the very successful dream projects of the **Chairman**.

PEC is a self-financed Telugu minority non profitable, NACC Accredited "A" Grade Institution, approved by AICTE, affiliated to Anna University and managed by the Prathyusha Educational Trust. It has grown over the years with an alumni strength of above 10000 and enjoys an amazing reputation not only in TamilNadu but all over the country. In a short span of 16 years, PEC has achieved many a milestone and has carved a niche for itself amongst the reputed technical institutions in the State and the Country as well.

THE ENVIRONMENT - FRIENDLY PEC CAMPUS

PEC is located on the Poonamallee – Thiruvallur High Road at an hamlet called Aranvoyal in spacious serene and invigorating surroundings far from the maddening crowd and the hustle and bustle of the urban local. The lush green campus provides an ideal and congenial atmosphere to pursue education without any external distraction like noise, sound and air pollution. PEC's well planned and aesthetically designed eco-friendly campus is spread over 36.15 Acres of land and has more than 4,95,695 Sq. ft. of built-in area. The campus has ultra modern but environmental friendly facilities and landscaped garden. Inspired by the vision of the Chairman PEC Shri. **P. Raja Rao,** the College organises various environmental Education and Awareness activities throughout the year.

TWO DECADES OF WISDOM

Today PEC has grown in several dimensions from just a meager strength of 240 Students in 4 Under Graduate Courses of study in the Millennium Year. PEC now has 2260 students from all over the Country in 6 Under Graduate , 4 Post Graduate and M.S. (CSE, ECE By Research), Ph.D. (CSE , ECE) and more than 200 devoted and dedicated members of the learned Senior faculty.

PEC offers courses in 6 key disciplines in Engineering to Technology, PEC has plans to develop strategic partnership with a few countries in the west to embark on the best, but we remain a comparatively simple, personal and highly focused institution committed to the pursuit of excellence in teaching, learning and training.
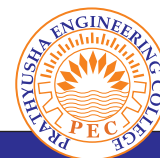

THE STATE -OF -THE - ART FACILITIES

PEC maintains a high standard in technical and engineering education by providing a wide array of world-class academic facilities .It has a separate Administrative Block, Academic wing for each department, laboratories and Workshops, State-of-the-art Computer Labs, Well stacked Library, Seminar halls, Conference halls, Auditorium, Canteen, Dining Hall with hygienic kitchen, vastPlayground, Landscaped Garden and separate spacious Hostel Blocks for boys and girls.

COURSES OFFERED

Programme	Courses	Department	Duration	Eligibility
Under Graduation programmes	B.E B.Tech	ECE,EEE,CSE,Biotech, Mechanical,Civil	4 Years	A pass in HSC / any other equivalent qualification Subject: Maths,Physics,Chemistry
	B.E/B.Tech (Lateral Entry)	ECE,EEE,CSE,Biotech, Mechanical,Civil	3 Years	Students with Engineering Diploma & Bachelor Degree in Science are directly admitted at the second year level of the bachelor of engineering Degree programs
Post Graduation Programmes	M.E	Communication Systems	2 Years	A pass in B.E/B.tech (EEE/ECE/Electronics/EI/IC) A pass in B.E/B.tech (ECE/Electronics/EI)
		Computer Science and Engineering		A pass in B.E/B.tech (CSE/IT/EEE/ECE/Electronics/EI/IC)
		Power Electronics and Drives		M.C.A, M.Sc (Software Engineering,IT,Computer Science,Computer Electronics)
		Structural Engineering		A pass in B.E /B.Tech(Civil)
	M.S	by Research (CSE , ECE)		Ph.D., (CSE,ECE) (Approved Research Centre by Anna Univ.)

TRAINING, PLACEMENT AND STUDENT AFFAIRS

The Department of Training, Placement and Students Affairs periodically plans programmes, aimed at placing students in reputed companies. The department is headed by a Director along with a team of faculty members and trains students in interview techniques, presentation skills and group discussions and so on. The Department also conducts classes from third semester onwards, on a need based syllabus in the areas of communication skills, quantitative aptitude and computer programming.

In addition to the In-house training, students of 6th, 7th semester are given training by external experts to enable them in enhancing their capabilities to face the companies' job selections process.85 % of our 2015-2016 batch students got placement in various reputed companies like Anglo Eastern Ship Management, IBM India Pvt Ltd, Harita Techserv Ltd, Excelacom Technologies, Polaris Consulting and Services, Vuram Technology Solutions Pvt Ltd, Cognizant Technology Solutions, HTC Global Services India Pvt Ltd, Zifo Technologies, Sans Pareil IT Services, RT Medibus Technologies, Aegis Solutions, Hinduja Global Services, Tech Mahindra, Inexo Cast Metal Solutions Pvt Ltd., Global Knowledge Networks, Pompeii Tech Pvt. Ltd., Encore Management, Visionary RCM Infotech, PC Technology Pvt Ltd, NEL Cast Ltd & CSS Corp Ltd.

ELECTRICAL AND ELECTRONICS ENGINEERING

Electrical and Electronics Engineering is a field of engineering study, which binds together conventional electrical technology and modern electronic innovations.The department has faculty mebers from the best in the academic, with vast experience in specialization.

The Laboratories are fully equipped with sophisticated equipment and machinery as per the norms of Anna University & AICTE. The department has been established with 14 labs which include a separate EEE Computer Centre with 60 nodes, 1 Server & UPS system with Labview,PSIM 7.0,Matlab software

ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering holds the pride of accreditation awarded by NBA, for 3 years. The department boasts of well experienced and technically excelling faculty who impart knowledge and skills to our students. They also work towards including professional responsibilities in students so as to make them play a leadership role along with their diverse career paths and to develop their capability in utilizing engineering skills in industry ,research centers, and National laboratories and entrepreneurship. The department has proved the itself by the fact that even before their graduation , 90% of the students are placed in leading Multi National Companies. The remaining students opt for higher studies immediately after their graduation.

COMPUTER SCIENCE ENGINEERING

The rapid changes in the field of Computer Science Engineering necessitate adapting to the continuous change and this is a challenge that the department faces. The department has an experienced and dedicated team of faculty members working towards creating academic-industrial environment through continuous interaction with the industry. The department is provided with four separate well-planned labs equipped with high-end servers.

The central computer Lab is centrally air-conditioned and equipped with more than 400 latest Intel core i3 / i5 systems. The department also organizes special courses on J2EE,.NET,Software Testing, Cyber Security, Cloud Computing, Data Warehousing and Data Mining, Big Data, Oracle and also providing Certification Courses training in Academic period.

CIVIL ENGINEERING

PEC started the Department of Civil Engineering in the academic year 2009-10. The department functions with experienced and qualified faculty members from various specializations of Civil Engineering. The department has a well established Survey laboratory, Fluid Mechanics Laboratory and Strength of Materials Laboratory Swith the state-of-the-art equipment as on date. The department has formed a Civil Engineering Association with a view to encourage the students come out with their innovative ideas in design and project planning relevant to Civil Engineering. Students are encouraged to present technical papers in inter collegiate symposia. Industrial visits are arranged for Civil Engineering Students in order to expose them to the latest construction methods.
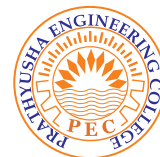
MECHANICAL ENGINEERING

The Department of Mechanical Engineering has excelled in its infrastructure facilities by keeping at par with last trends. The department is supported by experienced and highly qualified teaching and non teaching staff. The students actively associate themselves with industries through industrial projects, In-plant training and industrial visits with organizations like FORD,HYUNDAI,IGCAR,TVS,TAFF and L&T. The association of Mechanical Engineering regularly conducts Seminars and Guest lectures with the participation of eminent personalities in various fields of Mechanical Engineering. In CATIA & DELMIA, 3DVIADassault's world-leading 3D design software, 3D Digital Mock-Up and Product Lifecycle Management (PLM) solutions transform the way products are designed, produced, and supported.

BIOTECHNOLOGY ENGINEERING

In response to rapidly changing technology and advances in science and medicine, the Industrial Biotechnology program has been designed to prepare students for successful professional careers in the field of science. This is a challenging task as it involves teaching diversified subjects in Biology and engineering, Cross – disciplinary education, numerous undergraduate research opportunities and strong alliances with the industry offering internships and co-ops, constitute an integrated approach to our undergraduate education. The department is a home to many modern teaching-learning facilities and is well equipped with state-of-the-art laboratories.

INDUSTRY - INSTITUTION PARTNERSHIP FORUM (IIP)

With a view to bridge the gap between the Academia and the Industry, Prathyusha organizes IIPM programmes from time to time. This forum gives the student a wide exposure to correct industrial practices and also helps the teaching faculty get sensitized to the latest practices in order to blend the theoretical knowledge with the practical approach. In short IIP aims at establishing and exploring links with industries for the promotion of the institutional partnership.

INSTITUTIONAL MEMBERSHIPS

WOMEN EMPOWERMENT

"Woman a mile stone in everyone's life"

The College emphases the need to bring out the best in each girl student admitted in our college. We at PEC aim at uplifting the women students in all aspects by providing them Technical, and Computer Education and Placement Training through various skill training programmes at par with the gentleman students. Nearly 50 % of the Students, Faculty and Administrative staff in PEC are women.The HODs of B.E/B.Tech - ECE, CSE, IT and ME-CSE,AE are proud women of our College.

INDUSTRY READY TECHNICAL TRAINING

Enhancing the Technical skills of the Students as per with industry requirements by Training the Students with IBM CAREER EDUCATION, ORACLE, DELL, HARITA-TECHSERV, NATIONAL INSTRUMENTS LABVIEW, INFOSYS CAMPUS CONNECT, SRRA, AMS, CALIBRATION ,NIWE .,etc

CENTRE FOR ENGLISH & FOREIGN LANGUAGES

Students are also encouraged to undergo various courses in English and couple of foreign languages to make them competent and conversant in these languages in order to enhance their employability skills.

First Year UG Courses

 Foundation / Basic Course in English offered by BEC (Cambridge English: Business Certification)

Second Year UG Courses

Need Based Foundation Course in German and Japanese organized under the aegis of the respective embassies
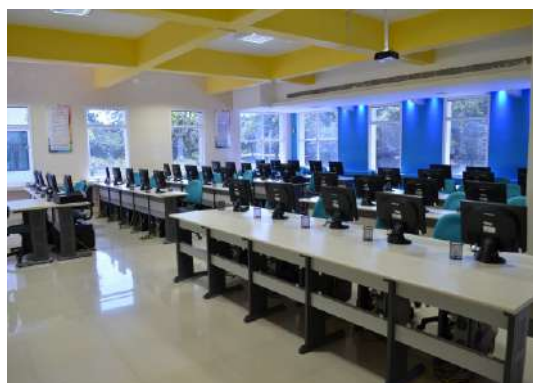
Pre Final & Final Year UG Courses

Soft skills and Aptitude Training by SMART Training Resources / Corner Stone Consulting / Strides Consulting

The college has a State -of -the - Art English Language Laboratory to help the Students acquire excellent communication skills to develop their all round personality.

COMPUTING CENTRE

The state-of-the-art Computing Centre has 1500 highend systems connected with high speed blade servers, Microsoft Lab with Microsoft Academic Alliance, Cisco Lab, IBM Lab, Oracle Lab, Networking Lab. Users of the Centre enjoy surfing through 24 Mbps Internet Connectivity with WiFi campus

CENTRAL LIBRARY & DIGITAL LIBRARY

The new sophisticated ultra modern Library with provisions for Digital Library was constructed at a cost of Rs. 8 Crore in the year 2010 The Library has a stock of more than 60,00,000 volumes by eminent authors on various engineering, technical and technological disciplines and subjects with 11000 titles, 300 National and International Journals, online E-journals facilities as per the recommendations of AICTE.

PEC has collaboration with Delnet, NPTEL, British Council, American centre (USIS), Anna University and IITM to enable the students to acquire better access to the latest learning methods through Digital Library facilities.

The Digital Library also has 90 highend multimedia systems connected with wifi and IEEE online transactions. National and international journals are available for students' reference. The Library has a spacious Reading Hall to cater to the needs of the students and faculty. Students can use the Library till 8.00 pm during all working days.

CO-CURRICULAR ACTIVITIES

SPORTS AND GAMES

Good facilities for games, both Indoor and Outdoor games are also available for the benefit of the students to build a sound body. PEC have bagged more than 500 prizes in extra curricular activities and thus proved their mettle in Sports and Games.

HOSTELS
"A HOME AWAY FROM HOME"

Creating a first rate learning environment and to faster a strong sense of
Community living among our students

GIRLS HOSTEL

Accommodation for more than 250 girls on a twin sharing basis with an in-house gym, Recreation hall for viewing TV programmes, internet browsing and indoor games in a separate building within the campus.

BOYS HOSTEL

Accommodation for more than 500 boys with an in house gym, Recreation hall for viewing TV programmes, internet browsing and indoor games in a separate building within the campus.

PEC MESS

The college has spacious two floor modern Dining Hall to cater the needs of our Guests, Inmates, Parents, Day-scholars, Faculty and General Employees. Students are provided with a variety of nutritious and fresh South Indian Vegetarian and Non-Vegetarian food served on time. A water purification plant (Reverse Osmosis Mineral Water Plant) has been installed for the supply of purified and portable drinking water in the campus

CONVEYANCE & COMMUTATION

PEC Buses are available from all parts of Chennai city and suburbs for conveyance & Commutation of our Day-scholars, Faculty and Staff from home to campus and back.

Bus No.	Starting Point		
1	Palavakkam	27	Ponneri
2	Velachery	28	Metha Nagar
3	Thiruvallur	29	Mathur
4	Valasaravakkam	30	Ennore
5	Sriperumbudur	31	Thiruvottiur
6	Poonga Nagar	32	T.Nagar
7	Chindadripet	34	Pattinapakkam
8	Red Hills	35	Poombugar
9	MMDA	36	Medavakkam
10	Oragadam	37	Thirutanni - 2
12	Keelkattalai	38	Koppur
13	Ayanavaram	39	Venkatesapuram
14	Thirunindravur	40	Govardhanagiri
15	Pallavaram	41	Ambattur OT
16	Poonmalee	42	Thiruttani
20	Muthayalpet	43	Retteri
21	K4 Police Station	44	Thiruverkaadu
22	Perambur	45	Thakkolam
23	Arakkonam	46	Uthukottai
24	Villivakkam	47	Thiruvallur Special
25	Golden Flats	48	Kallikuppam
26	TVK Nagar	49	Mugapair
		50	Maduravoyal

MILE STONES

Academic Excellence

PEC has highly qualified and experienced faculty members and thus creating an ambience quite congenial and conducive to quality education. PEC has more than 25 PhDs on the faculty from IITs and Anna University and the members of the PEC faculty have contributed more than 50 papers in International Journals.

Prathyusans are second to none in the country in the field of academics. Our students have always secured top University Ranks and more than 50 students have won Gold Medals in various branches of Engineering and Management studies in the Anna University examinations.

The PEC Management has always been generous in recognizing the academic excellence of our students by presenting cash awards to the tune of Rs. 20 Lakhs every year.

UNIVERSITY RANK HOLDERS 2014 - 2015

G. VEDHAPRASANNA
EEE

PAVITHRASHRI
ECE

MANJARI K U
B.TECH –IT

PRIYANGA G
B.TECH –BIOTECH

RASATHI J
M.E-AE

VIDHYAWATHY V
M.E-AE

PAVITHRA M
M.E-AE

INDHUMATHI
M.E-AE

SELVAREMYA T S
M.E-CS

MELFA STEFFY C T
M.E-CS

ANBARASI A
M.E-CS

VISHNUPRIYA P
M.E-CSE

SANDHYA.T
M.E-CSE,

SHIFU JAHAN.N
M.E-SE

POORANIYA.P
M.E-SE

RAJAKUMARI.R
M.E-SE

ANANDHI.S
ME.SE,

KALPANA.V
M.E-SE

PRAVEENA.A
M.E-SE

MALLIGA.A
M.E-PED

DIVYA.A
M.E-PED

NISHANTHINI.R.S.
M.E-PED

REKHA.P
M.E-PED

MoUS WITH INDUSTRIES & INSTITUTIONS

PEC is open to any possibility of collaboration with foreign Universities and arrangements are being made for faculty contacts and network programmes with developed countries in order to incorporate the "BEST OF THE WEST". PEC also leaves no stone unturned in signing MOUs with leading industries and reputed institutions in the country and abroad to promote better training, placement and research facilities to our students.

PEC has the unique credit of signing more than 25 MOUs so for and some of the firms with which PEC signed MOUs include Cornerstone – Infosys Campus Connect initiative for soft skills training, Launch Pad for Learning foreignLanguages like German, Japanese and Chinese.

* **MoU with INFOSYS Technologies for Training and Development**
* **Collaborations with Technologies System for i-Carnegie Robotics Programme**
* **MoU with NIWE under MNRE & Tamilnadu Science & Technology Centre**
* **MoU with National Instruments for LabVIEW Academy**
* **MoU with Central Leather Research Institute**
* **MoU with West Minister University, UK**
* **Microsoft Student Partner (MSP)**
* **MoU with DELL**
* **AICTE sponsored Entrepreneurship Development**
* **Research Collaboration with ICMR, AICTE,TNSCST, IEEE**
* **Well equipped Library,Digital Library with NPTEL Connection**
* **MoU with TANSTIA for Entrepreneurship Development**
* **MoU with ORACLE Campus for Training and Development**

PEC CAMPUS CLUBS

PEC FINE ARTS CLUBS

▶ Dance   ▶ Photography   ▶ Mime

PEC HEALTH & SPORTS CLUBS

Two modern well equipped gymnasia one each for boys and girls have been setup to take care of their physical health and fitness. Periodical Yoga Sessions are also conducted for the development of body, mind and soul

PEC TECHNICAL CLUBS

* Data Mining
* Big Data
* Cyber security
* Embedded Systems
* Computer Gaming

* MATLAB
* Cloud Computing
* Scala
* Antenna Design
* NIWE

* NI LabVIEW
* Oracle
* Web designing
* Mobile App Development

PEC STAFF

Technical Chapters & Association Activities

Concrete Canoe Competition

DRDO - Cycle Rally

Windows AppFest - Guinness Book Record

ECO - Kart

SRRA, AMS,CALIBRATION LAB

GO - Kart

NIWETAM

E - Bike

NSS, YRC & RRC ACTIVITIES AT A GLANCE

NSS - National Service Scheme

The NSS programme aims to inculcate social welfare in students, and to provide service to society without bias. NSS volunteers work to ensure that everyone who is needy gets help to enhance their standard of living and lead a life of dignity. In doing so, volunteers learn from people in villages how to lead a good life despite a scarcity of resources. it also provides help in natural and man-made disasters by providing food,clothing and first aid to the disaster victims.

YRC - Youth Red Cross

The YRC is the most important constituent of its mother organisation, Indian Red Cross. It is a student movement organised for students in Colleges and Technical Institutions

RRC - Red Ribbon Club

Red Ribbon Club is a movement started by the Government of India in schools and colleges through which, students will spread awareness on HIV / AIDS.

PEC - in News

350 students of Prathyusha engg college get placed

Chennai: Over 350 students from Prathyusha Engineering College near Chennai were placed in 27 corporate companies like IBM India, Polaris, CTS and Tech Mahindra at the annual placement day conducted on Sunday. Prathyusha Engineering College principal P.L.N. Ramesh said in the coming academic year the college is aiming to achieve 100% placement. P.Das Gupta, Country Manager, Career Education, IBM India Pvt. Ltd said, "Students should stay relevant and connected to the advancement and technological developments." Though a total of 443 (89%) students were eligible for placement, some of them opted to pursue higher studies and appear

Graduation Day at Prathyusha

The 12th graduation day of Prathyusha Engineering College was held in which 90% of the students celebrated the success of achieving engineering degrees at the ceremony. The college produced 23 university rank holders in 2015. While awarding the degrees, Ashvini Kumar, managing director, Solar Energy Corporation of India Ltd. encouraged the students to take up live projects which make use of renewable energy resources. He said the government has been inviting various research proposals in renewable energy. He congratulated the efforts taken by the rank holders and

Students told to promote renewable energy

PRATHYUSHA ENGINEERING COLLEGE

Ashvini Kumar, Managing Director, Solar Energy Corporation of India Ltd. and P M Beulah Devamalar, principal, Prathyusha Engineering College, at the convocation.

HT Bureau

Chennai, May 2:

The Central government has been taking several initiatives to promote renewable energy, said Ashvini Kumar, Managing Director, Solar Energy Corporation of India Ltd while urging students to take up live projects which make use of renewable energy resources.

research project proposals in renewable energy.

G Giridhar, director and head, Solar Radiation Resource Assessment, Ministry of New and Renewable Energy, shared his experiences in solar energy assessment and forecasting with the graduands.

P M Beulah Devamalar, the college principal, highlighted the infrastruc-

THE BEST IS YET TO BE...!

While we are proud of our glorious history and extensive achievements,

Prathyusha is an institution that looks confidently to the future as "**The best is always yet to be**". We are at the middle of a second decade of our glorious service to the Nation with a renewed zeal, enthusiasm, creative vision and noble mission for a unique and enviable place in the World Map. We are committed to step into the next few years and to provide State - of - the - art facilities and resources for teaching and training programmes that include an International Students Hostel, a Students' Service Centre and a Mammoth Multipurpose Auditorium with a seating capacity of 1500. **PEC** earnestly endeavors to lay proper foundation for students to pursue professional excellence, which in turn will take them on to the path of National glory. True to the motto of **PEC "Shraddhavan Labhate Jnanam - the true seekers of knowledge will certainly attain it".**

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Bringing the Academia & the Industry Under One Roof
Our Prominent Recruiters

Bridging the Gap