



**PRIYADARSHINI ENGINEERING COLLEGE, VANIYAMBADI-635751**

(Approved by AICTE, New Delhi, Affiliated to Anna University-Chennai)



## MECH NEWS LETTER

July-Dec 2013

Volume 2 Issue 1

### About the Institute:

Priyadarshini Engineering College, the flagship of Jai Barath Charitable Trust, was established in 1995 at Vaniyambadi in Vellore district of Tamilnadu. The College has been approved by All India Council for Technical Education, New Delhi and Affiliated to Anna 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 and development carrier.

### Vision of the Institute:

To inculcate in the young rural minds the aptitude to compete with the world class 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, performance of duty, compassion, tolerance, honesty and integrity.

### MOTTO

**PERSEVERANCE, ENDURANCE, COMMITMENT**

**"கற்றலும், கற்றவை கேட்டலும், கேட்டதன்கண் நின்றலும்"**



## **About Mechanical Engineering:**

The Department of Mechanical Engineering came into being in the year 1999 and the first batch of Mechanical Engineers graduated in the year 2003. The Department was first started with the intake strength of 40 seats in 1999. After that, the intake was increased to 60 seats in 2004. At present the department offers 120 seats from 2014. The Department has both Undergraduate and Postgraduate courses in Mechanical Engineering and Design. In the year 2013 Post Graduate Programme in Engineering Design was launched. The Department has laboratory and workshop facilities with Modern Sophisticated Equipment to carry out research in all areas related to Mechanical Engineering. Throughout its history, the department has provided a strong technical foundation to prepare students to meet the changing needs of industry.

## **Vision of Mechanical Engineering:**

To produce competent Mechanical Engineers specifically from rural based population to confront the latest technological innovations.

## **Mission of Mechanical Engineering:**

- ✚ Imparting quality education and training to nurture competitive Mechanical Engineers.
- ✚ Motivating innovations in the various fields of Mechanical Engineering with better infrastructure facilities to meet the industrial and societal requirements.
- ✚ Inculcating ethical values in their careers for their successful life

## **Programme Educational Objectives(PEOs):**

### **PEO 1. Core Competence:**

Graduates will Excel in their Professional Career with Strong Fundamental Technical Background.

### **PEO 2. Breadth:**

Graduates will be able to demonstrate their Technical Skills in Designing, Fabrication and Installation of New Mechanical Components.

### **PEO 3. Professionalism:**

Graduates will be Competent to Exhibit their Multidisciplinary Skills in Related Fields of Mechanical Engineering.

### **PEO 4. Teaching & Research:**

Graduates will Pursue Higher Studies in Mechanical Related Disciplines to work in the field of Teaching and Research.

**Programme Outcomes (POs):****PO 1: Engineering Knowledge:**

Apply the knowledge of mathematics, science, engineering fundamentals and core engineering for complex engineering problems.

**PO 2: Problem Analysis:**

Identify, formulate and analyze complex engineering problems.

**PO 3: Design & Development of Solutions:**

Design and develop solutions for complex engineering problems.

**PO 4: Investigations of complex problems:**

Use research based knowledge to conduct investigations of complex problems.

**PO 5: Modern Tool Usage:**

Apply appropriate modern tools and techniques to tackle Mechanical Engineering problems.

**PO 6: Engineer and Society:**

Provide solutions to Mechanical Engineering problems relevant to societal needs.

**PO 7: Environment and Sustainability:**

Acquire contemporary knowledge to sustain in the ever changing environment.

**PO 8: Ethics:**

Apply professional ethics.

**PO 9: Individual and Team work:**

Exhibit individual and leadership qualities in multidisciplinary group.

**PO 10: Communication:**

Comprehend and communicate effectively in a team.

**PO 11: Lifelong Learning:**

Engage independently in lifelong learning.

**PO 12: Project Management and Finance:**

Plan and manage a project in a cost effective manner.

**List of Events Organized:**

S.NO	DATE	NATURE OF CONTEST	RESOURCE PERSON
1	15 <sup>th</sup> Sep 2013	Guest Lecture on “Advance Mechanics of Material”	Mr.M.Tamiloli, Assistant Professor, C. Abdul Hakeem College of Engineering and Technology, Melvisharam.
2	7 <sup>th</sup> Oct 2013	Workshop on “Transmission System”	Mr.M. Ramachandran, Sr. Designer, Shanthi Gears,Coimbatore.

**Students Corner:**

S. No.	NAME OF THE STUDENT	YEAR	COLLEGE	NAME OF THE PROGRAMME	STATUS	DATE
1	Md. Fazeel	IV	Sri Nandhanam College of Engineering and Technology, Tirupattur.	Technical Symposium	Project Expo- First Prize	04.10.13
2	S.JamilBasha				Project Expo- Second Prize	
3	R.Vijayakumar				Paper Presented	
4	M.Vijayakumar				Participated in various events	
5	V.Ranjith kumar	III			Technical Quiz-First Prize	
6	S.Sathish				Project Expo- First Prize	
7	C.SivaKumar				Project Expo- Second Prize	
8	P.Velmurugan	III	Kumaraguru College of Technology, Coimbatore.	Workshop on “Recent Trends in Machining Process”	Participated	
9	E.Madhan kumar					
10	G.Venkatesan					
11	M.S. Senthil Kishore					
12	A.Anbarasan					
13	R.Vinoth					
14	R.Yuvaraj					
15	V.Manigandan					
16	S.Sathish					
17	S.Rajesh					
18	D. Ajith Kumar					

19	V.Jeeva	III	Kumaraguru College of Technology, Coimbatore.	Workshop on “Recent Trends in Machining Process”	Participated	16.08.13
20	P.Srinivasan					
21	V.Jeeva					
22	A.Anbarasan					
23	M.S.Senthil Kishore					
24	R.Vinoth					
25	R.Yuvaraj					
26	V.Manigandan					
27	S.Sathish					
28	S.Rajesh					
29	D. Ajith Kumar					
30	G.Venkatesan					
31	E. Madha Kumar					
32	P.Velmurugan					
33	P.Srinivasan					
34	S.Anbu	III	Bharathidasan Engineering College, Natrampalli.	Work shop on “Recent Trends in Manufacturing”	Participated	03.09.13
35	A.Elumalai					
36	V.Gowtham					
37	S.Hema Kumar					
38	C.Murugan					
39	M.Manivannan					
40	V.Somanath Rao					
41	G.Selvamani					
42	S.Kumar					

43	A. Ramarajan					
44	B. Prem Kumar					
45	M. Sarath Kumar					
46	J.Sathiyamoorthy	III	Selvam College of Technology, Namakkal	Work shop on “Nano Materials for Engineering Applications”	Participated	06.09.13 & 07.09.13
47	D. Manigandan					
48	K. Rajesh					
49	V. Manigandan					
50	G.Balaji					
51	D.Sathish Kumar					
52	B.Prem Kumar					
53	E.Madhan kumar					
54	G. Venkatesan					
55	R. A. Vigneshwaran	III	C. Abdul Hakeem College of Engineering & Technology, Melvishram.	Technical Symposium	Quiz- Participated	02.09.13 to 04.09.13
56	C.Balaji					
57	N. Karthikeyan					
58	V. Kiran					
59	T. Lokesh					
60	E. Madhan Kumar					
61	P. Velmurugan	III	Govt. College of Engineering, Bargur	Technical symposium	Participated in various events	03.09.13 & 04.09.13
62	D. Ajithkumar					
63	S. Sathish					
64	M. Vinothkumar					
65	R.Yuvaraj					
66	R. Aravind					
67	S. Rajesh					
68	M. Selvakumar					
69	M. Anand					
70	P.Vijaykumar					
71	G. Venkatesan					
72	S. Madan					
73	A. Anbarasan					

### Inplant Training:

The following Final year Students of Priyadarshini Engineering College has undergone inplant training in BHEL, Ranipet during 08.07.13 to 13.07.13. The students are N. Nandha Kumar, S. Sundar, T. V. PremKumar, C. Suresh, D. Mervyn Solomon and K. Gnanaprakash

### Industrial Visit:

S.NO	STUDENTS	COMPANY NAME	VISITED DATE
1	III YEAR	PRIYADARSHINI ITI(VANIYAMBADI)	22/07/2013
2	IV YEAR	ANNA ALUMINIUM PVT Ltd. (KERALA)	15/07/2013

### Faculty Achievements:

- ✚ Dr.P. Natarajan Attended Two days Awareness and Training programme on “New Outcome Based Accreditation (OBA) Process of NBA” in Jayam College of Engineering & Technology- Dharmapuri on 08.11.2013 & 09.11.2013.
- ✚ Dr.P. Natarajan Attended Two days workshop on “SARs Preparation and Evaluation on Outcome Based Accreditation Process” in Jayam College of Engineering & Technology- Dharmapuri on 23.08.13 & 24.08.13.
- ✚ Mr.S.Tharaknath, Mr.S.Ashfaque Ahmed and Mr. M. Nithyanandam have Attended a Faculty Development Programme on “Advances in Alternative Fuels Research” in Government college of Engineering Barugur from 11.12.2013 to 17.12.2013.
- ✚ Mr.S.Ashfaque Ahmed, Delivered a Guest Lecture on “Automobile Engineering” to the Final year Mechanical Engineering Students at Vaani Polytechnic College, Vaniyambadi.

### Editorial Board Committee

Patron	:	Dr.P.Natarajan M.E.,Ph.D
Chief Patron	:	M.V.Achuthan M.E.,
Faculty In charge(s)	:	Mr.A.Avinash Kumar M.Tech., Mr.Ashfaque Ahmed M.Tech.,
Final Year Students	:	Prabakaran.S Singaravelan.U
Third Year Student	:	Prasanth.R
Second Year student:	:	Gnanavel.G

## Mechanical Engineering Gallery

Workshop titled” Transmission System” on 07<sup>th</sup> Oct 2013.

