



PRIYADARSHINI ENGINEERING COLLEGE, VANIYAMBADI-635751

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

MECH NEWS LETTER



Jan-June 2014

Volume 2

Issue 2

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 the Department:

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 the department:

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

Mission of the department:

- ✓ 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):

- ✓ PEO1. 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 Conduced:

S.NO	DATE	NATURE OF CONTEST	RESOURCE PERSON
1	21 st Mar 2014	Guest Lecture on “Recent Trends in Manufacturing”	Mr.K.Chakravarthi, Assistant Professor, Sri Nandhanam College of Engineering and Technology, Tirupattur
2	2 nd April 2014	Guest Lecture on “Environmental Awareness on Global Warming”	Mr.B.Andrews , Assistant Professor, Chemistry, PEC Vaniyambadi.
3	9 th April 2014	Workshop on “Wheel Geometry”	Mrs. Barathi (Manager R& D) Wheels India Pvt Ltd Chennai

Placement Details (ON Campus)

S.No	Name	Company Name	Designation	Place
01	S.Santosh	Bharat Engineering Works	QAD	Hyderabad
02	K.Poovarasana	RR Tool Tech.	Trainee Engineer	Hosur
03	C. Guru Akash	Yellow stone Engineers India Pvt. Ltd	Trainee Engineer	Bangalore

Placement Details (Off Campus)

S. No	Name	Company Name	Designation	Place
1.	Abdul Rasheeth S	Defense Research Aviation Establishment (DARE)	Engineer Trainee	Bangalore
2.	Anbarasan C	Intel Pump Hydraulics India Pvt. Ltd.	Service Engineer	Hosur
3.	Aravind M	Bright Auto plant Pvt. Ltd	Quality Engineer	Chennai
4.	Aravindhana A	Sundaram Clayton Ltd.	Trainee	Hosur
5.	Gnanaprakash K	Kruger Ventilation Industries Pvt. Ltd	Service	Chennai
6.	Gowri shankar V	Sundaram Clayton Ltd.	Trainee	Hosur
7.	Gowthamraj S	Sri Mukah Precision Products.	Quality	Chennai
8.	Jayakumar S	TVS Brakes India Ltd.	Trainee	Pondicherry
9.	Jayavelan R S	Intel Pump Hydraulics India Pvt. Ltd.	Service Engineer	Hosur
10.	Karmegana C	Sundaram Clayton Ltd.	Trainee	Hosur
11.	Karthi J	CAPARO Engineering India Ltd.	Trainee Engineer	Sriperumbudur
12.	Mervyn Solomon D	USUI SUSIRA International Pvt. Ltd.	Production Engineer	Thiruvallur

13.	Nandhakumar N	Intel Pump Hydraulics India Pvt. Ltd.	Service Engineer	Hosur
14.	Pandiyam K	Traid Engineers Pvt. Ltd.	Designer	Bangalore
15.	Prasanth V	CAPARO Engineering India Ltd.	Trainee Engineer	Sriperumbudur
16.	Premkumar T V	USUI SUSIRA International Pvt. Ltd.	Production Engineer	Thiruvallur
17.	Ramachandran P	Sundaram Clayton Ltd.	Trainee	Chennai
18.	Sankar P	Armor Plastics Pvt. Ltd	Quality	Bangalore
19.	Sathish B	Alpha Founders Pvt. Ltd.	Quality	Chennai
20.	Singaravelan U	Alpha Founders Pvt. Ltd.	Quality	Chennai
21.	Sundar S	Sai Projects & Pvt. Ltd.	Designer	Bangalore
22.	Suresh C	CAPARO Engineering India Ltd.	Trainee Engineer	Sriperumbudur
23.	Suresh G	USUI SUSIRA International Pvt. Ltd.	Production Engineer	Thiruvallur
24.	Tabrez Ahmed M	Clastek Engineering Pvt. Ltd.	Maintenance Engineer	Chennai
25.	Thangamariappan V	TVS Brakes India Ltd.	Trainee	Chennai
26.	Thirupathi M	TVS Brakes India Ltd.	Trainee	Chennai
27.	Thirupathi R	TVS Brakes India Ltd.	Trainee	Chennai
28.	Udhayan K K	TAFE Ltd.	Trainee	Chennai
29.	Vigneshwaran M	Sai Projects & Pvt. Ltd.	Designer	Bangalore
30.	Vijaya kumar K	India Japan Lighting Pvt. Ltd	Quality	Chennai
31.	Vijayakumar R	Alpha Founders Pvt. Ltd.		Chennai
32.	Vijayan M	Fugenic Engineering Service Pvt. Ltd	Designer	Chennai
33.	Vivek G	Bright Auto Plast Pvt. Ltd	Quality Engineer	Kancheepuram
34.	Annemolla Avinash	LIASON INC.	Trainee	Kanchipuram
35.	Delli kumar M	Bright Auto Plast Pvt. Ltd	Quality Engineer	Kancheepuram
36.	Devaraj C	Samsung India Electronics Ltd.	Trainee	Chennai
37.	Dhandapani K	VKDT Design Pvt. Ltd.	Designer	Bangalore
38.	Ranjithkumar M	Bright Auto Plast Pvt. Ltd	Quality Engineer	Kancheepuram
39.	Suresh R	Bright Auto Plast Pvt. Ltd	Quality Engineer	Kancheepuram
40.	Udayakumar P	Bright Auto Plast Pvt. Ltd	Quality Engineer	Kancheepuram
41.	Md Fazeel M	USAM Technology Solutions Pvt. Ltd.	QAD	Chennai

Faculty Achievements:**Dr.P. Natarajan**

- ✓ Published a Paper titled “Hydrodynamic Similarity in liquid –solid circulating fluidized bed risers”,in International Journal of Applied Engineering Research(IJAER) Power Technology 264, Page 166-174.
- ✓ Attended NPTEL Workshop organized by IIT Madras on 11.01.2014.
- ✓ Published a Paper titled “Experimental Investigation on Performance improvement in high power LED Lamps” in International Conference on Green Computing Communication and Electrical Engineering(ICGCCEE),2014,1-5.DOI 10.1109/ICGCCEE.2014.6922355

Mr. S. Tharaknath

- ✓ Published a Paper titled “Analysis of FGM beam under a UDL load” in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)Volume 11 Issue 5 Page 83-86.
- ✓ Published a Paper titled “Functionally Graded martensitic stainless steel” in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) Volume 11 Issue 5 Page 46-49.

Faculty Publications:

- ✓ Mr.K.Sairam and Mr. R. Prabhakaran have attended Awareness Programme on “Solar Energy Utilization” at Anna university Chennai on 02.03.14.
- ✓ Mr. S. Tharaknath, Mr. A. Avinash Kumar and Mr. M. Nithiyanandam Published a Paper titled “Design and Analysis of Clutch Plate Using Steel Material [En-Gjs-400-15steel]” in IOSR Journal of Dental and Medical Sciences(IOSR-JDMS)Volume 13 Issue 5 Version VI page 76-78
- ✓ Mr.M.Vinoth and Mr.S.Ashfaque Ahmed Published a Paper titled” An Experimental Study of Production and Properties of Animal Fats Biodiesel”, in IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) Volume 11 Issue 1 Page 84-87.
- ✓ Mr.V.Achuthan,Mr.S.Tharaknath, Mr.M.Vinoth,Mr.R.Prabhakaran, ,Mr.S.Ashfaque Ahmed and Mr. A. Avinash Kumar have Participated in NPTEL Workshop organized by IIT Madras on 11.01.2014.

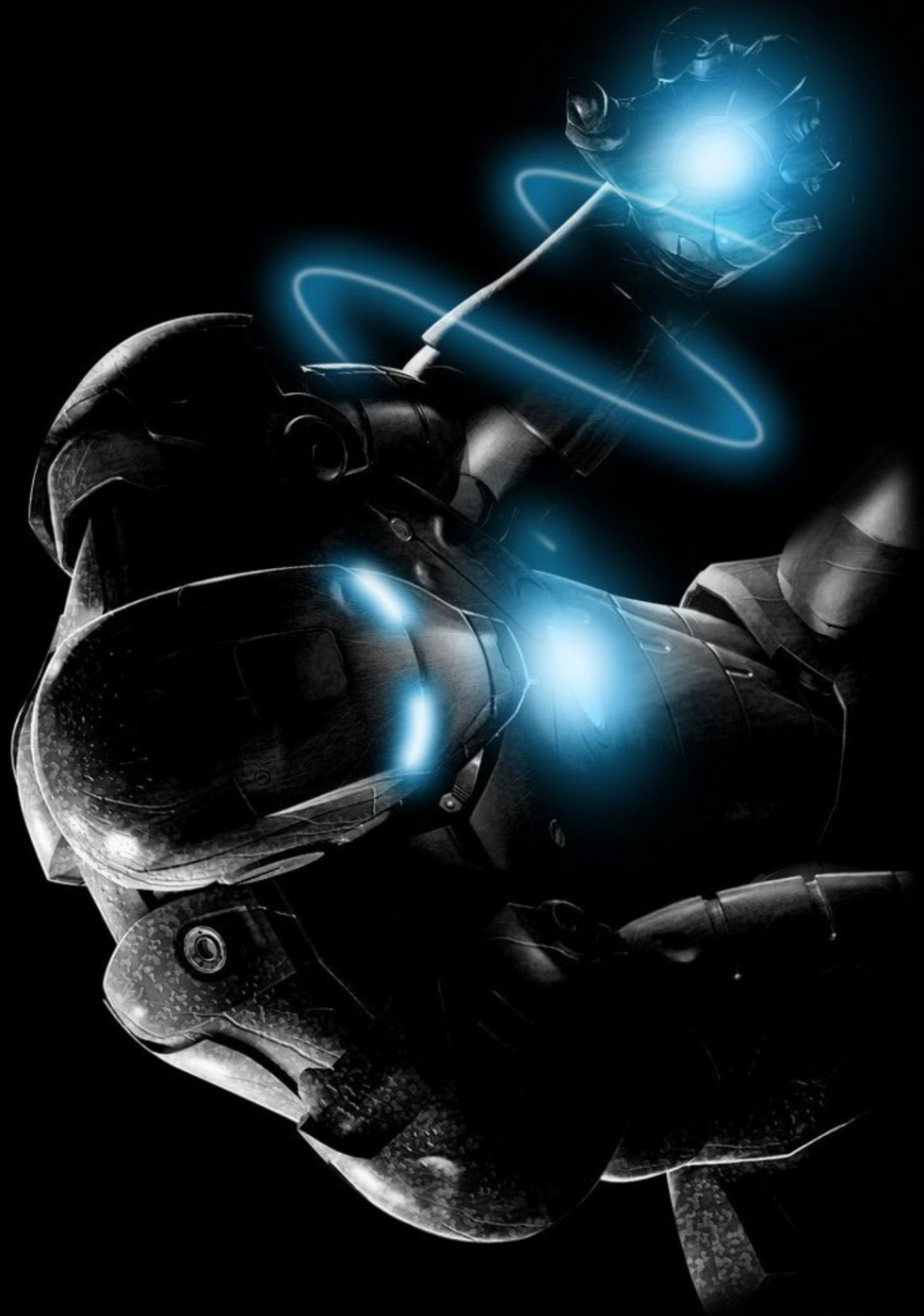
All the Faculty members of Mechanical Engineering have Attended a Faculty Development Programme on “Instructional Design& Delivery system by NITTTR at Priyadarshini Engineering College, Vaniyambadi from 05.05.14 to 09.05.14.

Faculty Interaction outside the World

SL.NO	FACULTY NAME	DATE	INTERACTION DETAILS
1	Mr.S.Ashfaque Ahmed	29.01.2014	Delivered a Guest Lecture on “Hydraulic and Pneumatic system” to the Final year Mechanical Engineering Students at Vaani Polytechnic College, Vaniyambadi.
2	Mr.S.Tharaknath.	12.02.2014	Delivered a Guest Lecture on “Recent Technology in Automobile Engineering” to the Final year Mechanical Engineering Students at Vaani Polytechnic College, Vaniyambadi.
3	Mr.M.Nithiyanandam	12.02.2014	Delivered a Guest Lecture on “Special Machines” to the final year mechanical Engineering students at Vaani Polytechnic College, Vaniyambadi.

EDITORIAL BOARD COMMITTEE

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



PRIYADARSHINI ENGINEERING COLLEGE

(Approved by A.I.C.T.E, New Delhi & Affiliated to Anna University Chennai)

Chettiyappanur Vill & Post, Vaniyambadi - 635751.