



PRIYADARSHINI ENGINEERING COLLEGE, VANIYAMBADI-635751

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



MECH NEWS LETTER



July-Dec 14

Volume 3 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”



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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.

Events Organized:

S.NO	DATE	NATURE OF CONTEST	RESOURCE PERSON
1.	17 th July 2014	Entrepreneurship Development Program	Dr. A. Ashok Kumar, Director, Entrepreneurship Development Cell & Head of MBA Department , PEC Vaniyambadi
2.	17 th Sep 2014	Open Foam Training Programme	Spoken Tutorial Team IIT Bombay.
3.	25 th Sep 2014	Workshop on “Advanced in Tool Design”	Mrs.M.Haneefa, Design Engineer, BOSCH India Pvt Ltd, Bangalore
4.	08 th & 09 th Oct 2014	Workshop on “Entrepreneurship Orientation Programme (EOP)”	Mr.M.S.Subramanian Deputy Manager, NSIC Technical Training Center, Chennai.

STUDENT WINNERS AND RUNNERS IN SPORTS

S.No	Name	Name of Competition	Prize
1	M.Jagadeesh	Badminton[zone6] (Zone Level)	winner
2	M.Jagadeesh		
3	M.Vijaykumar		
4	M.Manigandan	Chess (Zone Level)	Runner
5	R.C.Deepan Balaji		
6	S.Vinoth		
7	S.Salman		
8	S.Karthikeyan		
9	M.Jagadesh	Badminton (Zone Level)	Runner
10	K.Prabakaran		
11	H.Mohammed Azaruddin		
12	R.Sateeswaran		
13	G.Karthikeyan		
14	Sufiyan		
15	Harishwar		

16	H.Mohammed Azharuddin	Carrom (Zone Level)	Winner
17	A.Mohammed Hussain		
18	K.Vignesh		
19	M.Jagadeesh		

Inplant Training:

Anbarasan. A ,Jeeva. V,Somanathrao. V,Ajith kumar. D and Hemakumar S of Final year Priyadarshini Engineering College undergone in plant training in Neel Auto Pvt Ltd, Hosur from 18.08.14 to 22.08.14

Industrial Visit:

- ✚ Third year Students of Our College Visited Flow Link Pvt. Ltd(Coimbatore) on 16.08.2014
- ✚ Final year Students of Our College Visited Anna Aluminium Pvt. Ltd (Kerela) on 18.08.2015

Student Achievements:

S.No	Name	Year	College	Status	Date
1	M.Dharanidharan	III	Hosur Institute of Technology & Science, Hosur.	Work shop on “Advanced Optimization using Taguchi based Techniques”	03.09.14
2	S.ManojPrabhakar				
3	M.Anandraj				
4	M.Jagadeesh				
5	S.Jaichandran				
6	S.Pazhani				
7	C.Mohan Raj				
8	C.Aravind				
9	E.Madhan kumar				
10	R.Prasanth				
11	J. Sathiyamoorthy				
12	M. Vignesh				
13	V. Vijayaganth				
14	S.Sathish				

15	D.Ajithkumar	IV			
16	P.Srinivasan				
17	S.Sathish				
18	S. Hema kumar				
19	R.A.Vigneshwaran				
20	D.Manigandan				

Faculty Achievements:

- ✓ Mr. S. Tharaknath and Mr. M. Nithyanantham Published a Paper titled “Design and stress analysis of washer tool” in International Journal on Applications in Science, Engineering and Technology Volume 1 , Issue 3, Page 12-18.
- ✓ Mr. S. Tharaknath Published a Paper titled “Numerical Analysis of Mine Truck’s Bumper during Impact Using Ansys”, in International Journal of Applied Engineering Research, Vol 10 , No 30 .
- ✓ Mr. S. Tharaknath Published a Paper titled “Static Analysis of a Functionally Graded Material under Impact load using FEA”, in International Journal of Applied Engineering Research, Vol 10 , No 30 .
- ✓ Mr. A. Avinash Kumar Published a Paper titled “A review of Elimination in conventional and vibrated assisted drilling in glass fiber reinforced polymer composites”, in International Journal of Applications in Engineering Research on 2015.

Faculty Interactions outside the World

SL.NO	FACULTY NAME	DATE	INTERACTION DETAILS
1.	Mr. M. Nithiyandam	19.11.2014	Delivered a Guest Lecture on “Engineering Materials ” to the final year Mechanical Engineering Students at Vaani Polytechnic College, Vaniyambadi.
2.	Mr. S Ashfaque Ahmed	19.11.2014	Delivered a Guest Lecture on “Alternate Fuels” to the final year Mechanical Engineering Students at Vaani Polytechnic College, Vaniyambadi.
3.	Mr.S.Tharaknath	29.10.2014	Acted as a Anna University Practical External Examiner at Bharathidasan Engineering College Natrampalli..
4.	Mr.M.Thamaraiselvam	15.10.2014	Delivered a Guest Lecture in the title of “ Recent Trends in CAD” to the final year Mechanical Engineering Students at Pandiyan Polytechnic College, Tirupattur.
5.	Mrs.K.Barathi	13.08.2014	Delivered a Guest Lecture in the title of “ Manufacturing of Plastic Components ” to the Final year Mechanical Engineering Students at Pandiyan Polytechnic College, Tirupattur.
		15.10.2014	Delivered a Guest Lecture in the title of “ Machining Operations in Lathe ” to the Final year Mechanical Engineering Students at Pandiyan Polytechnic College, Tirupattur.

Editorial Board Committee

Patron : Dr.P.Natarajan M.E.,Ph.D

Chief Patron :M.S.Tharaknath M.Tech.,

Faculty In charge(s) Mr.A.AvinashKumar M.Tech.,
Mr.Ashfaque Ahmed M.Tech.,

Final Year Students : Prasanth.R

Third Year Student : Gnanavel.G

Second Year student: Nandha Kumar.D



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