



PRIYADARSHINI ENGINEERING COLLEGE, VANIYAMBADI-635751
(Approved by AICTE, New Delhi, Affiliated to Anna University-Chennai)

MECH NEWS LETTER

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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"



Department of 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 by the Department

S.NO	NATURE OF CONTEST	RESOURCE PERSON	DURATION
1	Guest Lecture on “Recent Trends in Manufacturing Process”	Mr. T.Kirubakaran, Assistant Manager, Fleet Guard Filters Pvt Ltd, Hosur.	25 th Sep 2015

Society of Automative Engineers (SAE)

Society of Automotive Engineers (SAE) provides an opportunity for the students to gain real world experience in the field of Automotive Engineering. SAE conduct Workshop, Guest lecture, Seminar and competition series, which gives a chance to the students to design and manufacture new components every year.

Student Membership Details

S.No.	NAME	MEMBERSHIP NUMBER
1	S. Hemakumar	7150427250
2	V. Somanathrao	7150427251
3	M. S. Senthil Kishore	7150427252
4	M. Mohammed Salik	7150427253
5	M. Anandaraj	7150427254
6	V. Naidu Giriprasath	7150427255

7	R. Mahendiran	7150427256
8	R. Dharanidharan	7150427257
9	B. Naveen Kumar	7150427258
10	P. Venkatarama Dilip	7150427259
11	N. Harishwar	7150427260
12	C. Mohan Raj	7150427261
13	M. Jagadeesh	7150427262
14	A. Md. Hussain	7150427263
15	P. Ranganathan	7150427264
16	G. Karthikeyan	7150427265
17	M. Jaganathan	7150427266
18	G. Karthikeyan	7150427267
19	S. Vaidhiyanathan	7150427268
20	K. Vaigaiselvan	7150427269
21	M. Balasubramaniyan	7150427270
22	R. G. Ragavan	7150427271
23	M. Sumanraj	7150427272
24	R. Vignesh	7150427273
25	S.Sathish	7150427274
26	R.Vignesh	7150427275
27	S.Suriya Kumar	7150427276
28	B. Surya Narayanan	7150427277
29	G.Thirupathi	7150427278
30	G.Tamil Selvan	7150427279
31	S.Jagan Kumar	7150427280
32	J.Manjunath	7150427281
33	U.Parthiban	7150427282
34	M.Heman Kumar	7150427283
35	N.Pavithran	7150427284
36	G.Panbazhi	7150427285
37	E.Kumaresan	7150427286
38	J.Nagesh	7150427287
39	S.Ajithkumar	7150427288
40	M.Vijayan	7150427289
41	P.Naveen	7150427290

SAE TIRE I Events

S.No	Name of the Event	Venue	Name of the Winners
1	Technical Paper Competition	Department Seminar Hall	R.Hariprathap S.Jagan Kumar
2	Mechanical Engineering Design	CAD/CAM Lab	M.Balasubramaniyam A.Mohammed Hussain
3	Auto Quiz Competition	Department Seminar Hall	G.Tamilselvan B.Gokulnathan S.Sathish
4	CNC Turning	CAD/CAM Lab	G.Siva B.Lokesh R.Ramkumar

			M.Sivanesan
5	CNC Milling	CAD/CAM Lab	M.Mohammed Salik naidu R.Mahendiran R.Dharanidharan
6	Welding	Engineering Practices Lab	M.Jaganathan S.Vaidhiyanathan
7	Sheet Metal	Engineering Practices Lab	R.Vignesh S.Vignesh
8	Analysis Competition	CAD/CAM Lab	N.Harishwar M.Jagadeesh
9	Mechatronics	Mechatronics Lab	B.NAveen Kumar P.Venkatraman Dhilip M.Anandaraj G.Karthikeyan
10	Mechanical Engineering Design CAD	CAD/CAM Lab	M.Govindaraj R.G.Ragavan K.Vaigaiselvan M.Heman Kumar
11	Modelling and Animation Competition	CAD/CAM Lab	C.Mohanraj P.Ranganathan

SAE TIER II Events

The following Students have participated in SAE TIER II Events at SRM University, Chennai

S.No	Name of the Student	Year of Study	Date	Place
1	R.Vignesh	II nd Year Mech	29.08.2015	SRM University, Chennai
2	S.Vignesh			
3	S.Sathish			
4	G.Tamilselvan			
5	B.Gokulnathanan			
6	R.Vignesh			
7	R.Hariprathap			
8	B.Gokulnathan			

Student Achievements

The following Students have participated in the workshop on “Non Destructive Testing of Metals” at PSV College of Engineering and Technology.

S.No	Name of the Student	Year of Study	Date	Place
1	R.Vignesh	II nd Year Mech	22.08.2015	PSV College of Engineering and Technology.
2	S.Vignesh			
3	S.Aravinthan			
4	R.Vignesh			
5	R.Sathish			

Faculty Achievements

✚ Mr.S.Ashfaque Ahmed participated in an AICTE Sponsored Short-term Course on “Advanced IC Engine Technologies (AIET 2015)” from 31st Aug 2015 to 4th Sep 2015.

- All the faculty members of Mechanical Engineering have participated in Technical Seminar organized by IEEE Student Chapter at Priyadarshini Engineering College, Vaniyambadi on 28th Oct 2015.
- All the faculty members of Mechanical Engineering have participated in the workshop titled “Recent Trends in IT” organized by IEEE Student Chapter at Priyadarshini Engineering College, Vaniyambadi on 14th Dec 2015.

Guest Lecture on “Recent Trends in Manufacturing”



Editorial Board Committee

Patron	: Dr.P.Natarajan M.E.,Ph.D
Chief Patron	:Mr.S.Tharaknath M.Tech
Faculty In charge(s)	: Mr.V.Loganathan M.E., Mr.Ashfaque Ahmed M.Tech.,
Final Year Students	: Gnanavel.G R,Mahendiran
Third Year Student	: D.Nanda Kumar
Second Year student t	: S,Jagankumar