



# PRIYADARSHINI ENGINEERING COLLEGE

(Approved by A.I.C.T.E, New Delhi & Affiliated to Anna University Chennai)  
Chettiyappanur Vill & Post, Vaniyambadi - 635751.

Jan-June 2013

Volume 1

Issue 2

## MECH NEWS LETTER

### MESSAGE FROM EDITORIAL BOARD

Warm welcome to the readers of this newsletter of Department of Mechanical Engineering. It is with immense pleasure that I was given the opportunity to work on the department Newsletter "MECH NEWS LETTER". As we all know, a newsletter mirrors a department-its vision and mission. It also highlights events, activities and academic prowess and achievements. In this edition, I have tried to capture last six months excitement and activities. I do hope that the newsletter encourages many more including students to use it as a platform to express their creativity. We would like to place on record our gratitude and heartfelt thanks to all those who have contributed to make this effort in a successful one. We profusely thank our honorable justice Mr.V.Rengasamy and Principal Dr.P.Natarajan for giving support and encouragement and a free hand in this endeavor. I sincerely hope that this edition makes for an interesting read. Please feel free to offer any suggestions for better Improvement.

### EDITORIAL BOARD COMMITTEE

Patron	: Dr.P.Natarajan M.E.,Ph.D
Chief Editor	: Mr.R.Ravichandran M.E.,
Faculty In charge(s)	: Mr.D.Madan M.E., Mr.M.Sashikumar M.E.,
Final Year Students	: Jagadeesan.D SathishKumar.M
Third Year Student	: Prabakaran S
Second Year Student	: Prasanth R



**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, 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 CONDUCTED BY OUR DEPARTMENT

S.NO	DURATION	NATURE OF CONTEST	RESOURCE PERSON
1	14 <sup>th</sup> Feb 2013	Guest lecture on Design of Robotics System	Mr. I. Indira Kumar, Assistant Professor, Bharathidasan Engineering College, Natrampalli.
2	8 <sup>th</sup> April 2013	Workshop on Advances in Welding Technology	Mr. M. Santhosham, C. Abdul Hakeem College of Engineering and Technology, Melvisharam
3	9 <sup>th</sup> April 2013	Technical Symposium	Mr.M.Tamiloli, Assistant Professor, C. Abdul Hakeem College of Engineering and Technology, Melvisharam.

### STUDENTS ACHIEVMENTS IN SPORTS

S.NO	NAME	EVENT/GAME	PRIZE/PLACE	EVENT LEVEL	VENUE
1	B.Vinoth	Foot ball	Participated	Intra College	Priyadarshini Engineering Collge
2	S.Sridhar	Volley ball			
3	V.Prasanth				

### STUDENTS ACHIEVMENTS IN TECHNICAL ASPECTS

S.No	Name	Year	College	Name of the Program	Status	Date
1	S. Hariharan	IV	C. Abdul Hakeem College of Engineering and Technology, Melvisharam	Work shop on Recent Trends Followed in	Participated	09.04.13
2	D. Sapthagiri					

3	R. Saran			Automobile Industry		
4	R. Saran	IV	Podhigai College of Engineering & Technology, Tirupattur	Work shop on IC Engines	Participated	10.04.13
5	M. Mohan					
6	S. Hariharan	IV	Thanthai Periyar Govt Institute of Technology, Vellore	Technical symposium	CAD Modeling Participated	10.04.13
7	G. Vijayakumar				Paper Presentation	10.04.13
8	K.Sathees					
9	V.Gowrishankar	III	Podhigai College of Engineering & Technology, Tirupattur.	Technical Symposium	Paper Presentation	10.04.13
10	S. Abdul Rasheed					
11	S. Gowtham Raj					

**Mechanical Engineering Gallery**

**Workshop titled “Advances in Welding Technology” on 8 th April 2013:**







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