

June 17 - Dec 17  
Volume 6 Issue 1

# MECH NEWS LETTER

## VISION

To inculcate in the young rural minds the aptitude to compete with the quality technocrats.

## MISSION

1. To instill technical skills to compete in the sustainable world
2. To impart holistic value based technical education.
3. To intensify research and development (R&D) activities in technological development.
4. To imbibe core values of love for motherland, performance of duty, compassion, tolerance, honesty and integrity.

## About the College

Priyadarshini Engineering College, the flagship of Jai Barath Charitable Trust, was established in 1995 at Vaniyambadi in Vellore District of Tamil Nadu. The college has been approved by All India Council for Technical Education, New Delhi & 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.



## MOTTO

**PERSEVERANCE, ENDURANCE, COMMITMENT**

“கற்றலும், கற்றவை கேட்டலும், கேட்டதன்கண் நின்றலும்”

## About the Department

### VISION

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

### MISSION:

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

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 Engineering 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.



### 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.

## Student Achievements

- V.S.Harikrishnan and V.Manigandan of Third Year Mechanical Engineering Secured 3rd Rank in All India Mechanical Level and 13th Rank in Overall India level in the event of Stand India Competition for Physically Challenged People Organized by AICTE ,New Delhi on 4th July 2017.
- M.Nirmalkumar of Third Year Mechanical Engineering has attended SRM INDIAN ENERGY CONFERENCE 17 organized by SRM University on 12th August 2017.
- K.V.Ragul of Third Year Mechanical Engineering has Secured First prize in Group Discussion competition at 71st Independence Day Contest on 15th August 2017 at Priyadarshini Engineering College ,Vaniyambadi.
- V.Mohammed Saquib of Third Year Mechanical Engineering has Secured Third prize in General Quiz competition at 71st Independence Day Contest on 15th August 2017 at Priyadarshini Engineering College ,Vaniyambadi.
- M.D.Sayeed Afridi of Third Year Mechanical Engineering has Secured Third prize in General Quiz competition at 71st Independence Day Contest on 15th August 2017 at Priyadarshini Engineering College ,Vaniyambadi.
- R.Langesh Babu of Third Year Mechanical Engineering has Secured Third prize in General Quiz competition at 71st Independence Day Contest on 15th August 2017 at Priyadarshini Engineering College ,Vaniyambadi.
- E.S. Kishondar and V.Mohammed Saquib of Third Year Mechanical Engineering has attended a National Level Workshop on “Assembling and Dismantling of Two Wheeler IC Engine” organized at Erode Sengunthar Engineering College on 31st August 2017.
- E.S. Kishondar and V.Mohammed Saquib of Third Year Mechanical Engineering has Participated and won Ist Prize in Idea Splash Event organized at Erode Sengunthar Engineering College on 31st August 2017.

## Student Achievements

S.No	Name	Year	Event & Venue
1	Hari prathap.R	Final Year Me- chanical	INDIA DESIGN WEEK 2017 on 11/12/17 and 12/12/17 at ICTACT Acadamy at sri sairam Engi- neering college
2	Karunakaran.M		
3	Manigandan .S		
4	Naresh.S		
5	Naveenkumar.S		
6	Praveenkumar.G		
7	Rajesh Kumar.K		
8	Thirupathi.G		
9	Karthi .R		
10	Vignesh.S		
11	Kalaiyaran.G		
12	Mohanachandru.B		
13	Sathish Kumar.S		
14	Seshathri .M		
15	Bharath Kumar.V	Third Year Me- chanical	
16	Hari Krishnan.V.S		
17	Kishondar.E.S		
18	Kumaravel .J		
19	Manigandan.V		
20	MD Sayeed afrid		
21	MD Saquib		
22	Naveen Kumar.S		
23	Nirmal Kumar.P		

## Student Achievements

- E.S. Kishondar and V.Mohammed Saquib of Third Year Mechanical Engineering has Participated and won Ist Prize in Metal Merger Event organized at Erode Sengunthar Engineering College on 31st August 2017.
- V.Mohammed Saquib of Third Year Mechanical Engineering has Participated and won Ist Prize in Idea Quizo Phile organized at Erode Sengunthar Engineering College on 31st August 2017.
- R.Ajay Prabu and M.Kumaravel of Third Year Mechanical Engineering presented a paper in National level Technical Symposium organized by Bharathidasan Engineering College, Natrampalli on 23rd Sep 2017.
- R.Ajay Prabu and M.Kumaravel of Third Year Mechanical Engineering won Ist Prize in Water Rocketry Event organized by Bharathidasan Engineering College, Natrampalli on 23rd Sep 2017.
- E.S. Kishondar of Third Year Mechanical Engineering has attended a National Level Workshop on “CNC Programming and Practice” organized at Podhigai College of Engineering and Technology, Tirupattur on 10th October 2017.
- R.Vignesh and R.Hariprathap of Final Year Mechanical Engineering students have been selected in Top 25 Teams Design India Week 2017 organized by ICTACT Academy of Tamil Nadu and Autodesk, Chennai at SAIRAM ENGINEERING COLLEGE on 11th Dec 2017 and 12th Dec 2017



## FACULTY PUBLICATIONS

- Dr.P.Natarajan attended one day National Conference on ‘Quality Assurance, Accreditation & Ranking of Engineering Institutions: Challenges & Opportunities, organized by the Education Promotion Society of India on 6th October 2017.
- Dr.P.Natarajan Elected as executive member (Mechanical engineering division) of IEI Hosur local center for the period of 2017-2019.
- Reviewed a manuscript titled, ” The Influence of the Stokes Number on the Solid Phase Distribution of Marine Fluidized Beds (Ms. Ref. No. APJ-17-0408)”, for Asia-Pacific Journal of Chemical Engineering, Wiley.
- Reviewed a manuscript titled, “Determination of Loop Flow Rate In An External Air-Lift Loop With Middle Riser Using Drift Flux Model (118257-277281-1), for Indian Journal of Science and Technology.
- Mr.C.Vinoth Kumar has participated in Two Days Faculty Development Programme on “Teaching and Learning Enhancement through Outcome based Education” conducted at Valliammai Engineering College, Chennai on 7th and 8th Dec 2017.
- Mr.S.Ashfaque Ahmed has participated in Two Days Faculty Development Programme on “Teaching and Learning Enhancement through Outcome based Education” conducted at Valliammai Engineering College, Chennai on 7th and 8th Dec 2017.

### EVENTS ORGANIZED BY MECHNAICAL ENGINEERING

S.N O	NATURE OF CONTEST	RESOURCE PERSON	DURATION
1	Workshop on Recent Development in Nanomaterials and Applications in Engineering Field	Dr.R.Elansezhian Ph.D Associate Professor/Mechanical Pondicherry Engineering Col- lege, Pondicherry	15 <sup>th</sup> Sep 2017
2	Workshop on “Review of Diesel Engines, Latest Trends in Automobile Technology and Introduction to application Engineering”.	Mr.K.Ganapathy Subramanian M.E., Divisional Manager Simpson & Company, Chennai	23 <sup>rd</sup> Sep 2017
3	Workshop on "Design of Making Things”	Mr.K.S.Suraj, Trainer, Auto Desk, Bangalore.	27 <sup>th</sup> and 28 <sup>th</sup> Dec 2017

# PHOTO GALLERY



Gathering Address given by PRicipal



Students Gathering for Design of Making things



Resource person interaction with Students



Students Gathering for Design of Making things



Students Gathering for Design India week 2017



Students Contribution for Design India week 2017



# PHOTO GALLERY

