

Department of Mechanical  
Engineering

**NEWSLETTER**

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# VISION AND MISSION OF THE DEPARTMENT

## **Vision:**

To transform students from rural background into professional leaders of tomorrow in the field of Mechanical Engineering with a strong sense of social commitment.

## **Mission:**

To impart quality – engineering education leading to specialization in the emerging areas of CAD/CAM/CAE, Energy Engineering and Materials Technology

To provide continually updated and intellectually stimulating environment to pursue research and consultancy activities

## Programme Educational Objectives (PEOs)

The graduates will:

**PEO1.** Technical Expertise: Actively apply technical and professional skills in engineering practices towards the progress of the organization in competitive and dynamic environment.

**PEO2.** Lifelong Learning: Own their professional and personal development by continuous learning and apply the learning at work to create new knowledge.

**PEO3.** Ethical Knowledge: Conduct themselves in a responsible, professional and ethical manner supporting sustainable economic development which enhances the quality of life.

# Programme Outcomes (POs)

At the end of the Mechanical Engineering programme, graduating students / graduates will be able to:

**PO1.** Engineering knowledge: Apply the fundamental knowledge of mathematics and engineering sciences to solve of mechanical engineering problems.

**PO2.** Problem analysis: Identify, survey literature, formulate and analyse complex mechanical engineering problems and reach substantiated conclusions.

**PO3.** Design/development of solutions: Design mechanical components, processes and systems that meet the requirements with due consideration for environment and public health / safety including cultural and societal considerations.

**PO4.**Conduct investigations of complex problems: Design experiments analyse/interpret data and synthesize information to provide valid conclusions in the field of mechanical engineering.

**PO5.**Modern tool usage: Apply appropriate techniques including usage of IT tools for prediction and modelling to create and evaluate mechanical engineering systems and their limitations.

**PO6.**The engineer and society: Practice as professional mechanical engineer to discharge responsibilities by taking informed decisions based on contextual knowledge to assess societal, health, safety, legal and cultural issues.

**PO7.**Environment and sustainability: Demonstrate the knowledge of, and need for sustainable development by understanding the impact of the professional engineering solutions in societal and environmental contexts.

**PO8.**Ethics: Comply with code of conduct/norms and professional ethics in engineering practices.

**PO9.**Individual and team work: Perform effectively as an individual and member / leader in multidisciplinary diverse teams.

**PO10.**Communication: Effectively communicate both orally / written on complex engineering activities.

**PO11.**Project management and finance: Manage projects in multidisciplinary environments cost effectively.

**PO12.**Life-long learning: Learn and acquire up to date knowledge in the field of mechanical engineering independently.

## Participation in Seminar/Conference/ Workshop/Training etc... by MCET Staff

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mech	K.Vijayakkannan	JED-I	IISC,Bangalore	12.6.13
Mech	M.Giridharadhayalan A.R.Suresh	Quantitative and qualitative research techniques & tools for engineers & researchers	NIT,Trichy	10.6.13 to 14.6.13

## In-Plant Training by the Students

Dept.	Student Name / Total No. of Students & Branch	Place of In-plant Training	Period of Training (Date(s))
Mechanical	C.Prabhakaran C.Gokul Kumar T.Karthikeyan	Ambal Autos-Dharapuram	10.6.13-15.6.13 (6 days)
	S.Beno	Haritha Seating System Ltd	13.6.13-15.6.13 (3 days)
	S.Arun Babu C.Prakash	Krishna Autos-Pollachi	7.6.13-14.6.13 (7 days)
	V.Arun Victor	TNSTC-Nagercoil	11.6.13-15.6.13 (5 days)
	T.Paul Victor Bharathi Selva Kumar	Bull Tractors-Coimbatore	10.6.13-12.6.13 (3 days)
	Sasi Mohan C Varun Vishnu Muhunthan R Sivasankaranarayanan S Vasanthakumar K Praveenkumar R Rajkamal R Vinothkumar K Vinothkumar S Pradeesh Kumar J Vibin B Ram Vishnu S Thabres Ali Anmed H Venkatesh G	Railway wheel factory, Bangalore	7.6.13-11.6.13 (5 days)
	Tamilselvan B Selvakumar B	Main motor works, Trichencode	5.6.13-7.6.13 (3 days)
	Satheeshkumar S Raguganeshkumar B Kathires S	Hi-Tech alloys, Pollachi	10.6.13 to 15.6.13 (5 days)

## Consultancy

Dept.	Name of the Faculty (s)	Designation	Title of the Consultancy Work	Name of the organization / Firm/ Company	Period of Consultancy	
					From	To
C-DAT	Dr.Ramathirumurugan Mr.Madhusuthanan Mr.Abdhul Wahid	Associate Professor Assistant prof(SS) Senior Executive	MSIL- S2 KNUCKLE IMPACT TEST	SACL	26.06.13	-

## Staff Development Programmes

### Professional Society/Department Association/Guest Lectures organized

Dept.	Co-ordinator / Co-coordinator with Designation	Details of Program	Date
Mech	Mechanica association / Mr.Selvakumar AP	Technical talk on "Microstructure and its importance for engineering materials"	13.7.13

## Students Activities

### Industrial Visits / Tour

S. No	Dept.	Class	Place of Industrial Visit	Total No. of Students Visited	Date
1	Mech	IV-A	Sakthi auto components	70	27.7.13

### In-Plant Training by the Students

Dept.	Student Name / Total No. of Students & Branch	Place of In-plant Training	Period of Training (Date(s))
Mech	Santhosh kumar .S-1	Ashok Leyland	03.07.13-05.07.13

### Consultancy

Dept.	Name of the Faculty (s)	Designation	Title of the Consultancy Work	Name of the organization / Firm/ Company	Period of Consultancy	
					From	To
C-DAT	Dr.Ramathirumurugan Mr.Madhusuthanan	Associate Professor	1.YP8 STEERING ARM FORCE TEST	SACL	01.07.13	15.07.13
		Assistant prof. (SS)	2.M2XX STEERING ARM FORCE TEST		01.07.13	15.07.13
			3.2CT HONDA STATIC AND DURABILITY TEST		18.07.13	TEST GOING ON

# Library

## i) New Arrivals

S.No.	Details of Collection	Nos.
1	Vector Mechanics for Engineers-Beer Johnston	1
2	Machine Design-II-M.D.Jalaludeen.	1
3	Kinematics and Dynamics of Machines-R.L.Norton	1
4	A Textbook of Manufacturing Technology-Er.R.KRajput	1

## ii) Library User Statistics and Circulation for the current month

User Category	Library Circulation	
	Issues	Returns
Staff : 33	Staff : 10 Overnight Issues : NIL	Staff : 6 Total : 6
Total : 33	Total Transactions : 10	

## Name and Address of Important Visitors

S. No	Name of the Visitors	Purpose	Date of Visit
1	M.Selvakumar Alumni of Mech	Alumni interaction with final year students	27.7.13
2	Mr. V.K.Viswanathan Chairman, Board of Bosch Limited, India.	Inauguration of BOSCH REXROTH Center	25.07.13

## Staff Development Programmes

### Participation in Seminar/Conference/Workshop/Training etc...

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mech	Dr.I.Rajendran HOD MECH	Short term course on "Introduction to noise and vibration control"	RMK Engineering college, Kavaraipettai	20.09.13 to 22.09.13
	Dr Rama Thirumurugan Associate Professor			
	Mr.M.Selvakumar	Workshop on Engineering Mechanics	IIT,Bombay	16.09.13 to 20.09.13

### Professional Society/Department Association/Guest Lectures organized

Dept.	Co-ordinator / Co-coordinator with Designation	Details of Program	Date
Mech	Mr.M.Selvakumar Mr. D.Shanmugam Assistant Professor(SG)	Inauguration of "Society for failure analysis(SFA)" -Coimbatore Chapter	06.09.13

## Students Activities

### Paper Presentation by the Students

S.No	Student's Name	Branch and Department	Title of Paper Presented	Organizer and Place of program	Date
1	D.Balamurali	III-B.E MECH	Paper presentation I prize	SNS , coimbatore	5.9.13 to 7.9.13
	H.SadaamHussain				
	D.Salladurai				
	S.RahulJhaveri				

### Participation of Inter and Intra Collegiate Competition/Events by the Students

S.No	Student's Name	Branch and Department	Details of event & Prize if any	Organizer and Place of program	Date
1	Ram Vishal Thambresali Ahamed Venkateshkumar	MECH	Virtual event for SUPRA 25 <sup>th</sup> rank in all India level 3 <sup>rd</sup> rank in TN	SAE INDIA	19.09.13 to 21.09.13

## Placement Details

S.No	Student's Name	Name of the Company	Total No. of Students placed in each Company
1	Ajithkumar Gokul Kumar	INFOSYS	2

## Staff Development Programmes

### Participation in Seminar/Conference/Workshop/Training etc...

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
1.	Dr. Ramathirumurugan	PLM Software Training	MCET-SIEMENS PLM centre	3.10.13
2.	Mr. S.Madhusudhanan			7.10.13
3.	Mr. N.Shanmugasundaram			9.10.13
4.	Mr. T.Kasirajan			11.10.13
5.	Mr. Sreejith S Nair	Workshop on MEMS	Mechanical seminar Hall, MCET	17.10.13
6.	N. Saranya			21.10.13
7.	Mr. P. Anbarasu	FDC programme on "Psychosocial Dynamics in Classrooms"	Electrical seminar Hall, MCET	12.10.13
8.	Mr. M. Neelavannan			
9.	Ms. N. Saranya			
10.	Mr. S. MuthuBaskaran			
11.	Mr. S. Gnanakumar			
12.	Mr. M. Udayakumar			
13.	Mr. N. Santhosh			
14.	Mr. K. Sivakumar			
15.	Mr. T. VigneshKumar			
16.	Mr. E. Baskaran			
17.	Mr. V.Varatharasan			
18.	Mr. Ganesh			

## Students Activities

### Participation of Inter and Intra Collegiate Competition / Events by the Students

S.No	Student's Name	Branch and Department	Details of event & Prize if any	Organizer and Place of program	Date
1	S.Prasanna Kumar P. Asai Thambi S. Bala Murugan M. Kali Raj	Mech	Efficycle-2013 Overall 20 <sup>th</sup> rank Tamil Nadu level 7 <sup>th</sup> rank Coimbatore zone 1 <sup>st</sup> rank	SAENIS at Punjab university	11.10.13 to 13.10.13

## Staff Development Programmes

### Continuing Education Programs/Faculty Development Programmes/Conferences/Seminars/Short Term Training Courses etc...

Dept.	Name of the Coordinator(s) with Designation	Title	Conducted at (Venue)	Sponsored by	No. of Participants attended	Date(s)
Mechanical Engineering	M.Selvakumar Assistant Professor (SG)	Engineering Mechanics	IIT Bombay Remote Centre MCET	IIT Bombay		26.11.13 to 6.12.13

### Participation in Seminar / Conference / Workshop / Training etc

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mechanical Engineering	N.Shanmugasundaram Assistant Professor	Short term training Programme on "Introduction to Smart Systems"	IIT Madras Chennai	25.11.13
	M.Padmanaban Assistant Professor			To 29.11.13
	C.Selva Senthil Prabhu Assistant Professor	Train the Trainer Automation Level 1 and visit to Lucas Nuelle	Bosch Rexroth AG Germany	24.11.13 To 04.12.13
	M.Giridharadhayalan Assistant Professor	IIT Bombay organizing "Engineering Mechanics"	IIT Remote centre MCET	26.11.13 to 6.12.13
	S.Gnanakumar Assistant Professor			
	K.Vijayakkannan Assistant Professor			
	V.Varatharasan Assistant Professor			
	E.Baskaran Assistant Professor			
	P.Anbarasu Assistant Professor			
	N.Santhosh Assistant Professor			
	N.Saranya Assistant Professor			
	T.Vignesh kumar Assistant Professor			
	M.Neelavannan Assistant Professor			
	M.Udayakumar Assistant Professor			