

Dr. MAHALINGAM



COLLEGE OF ENGINEERING AND TECHNOLOGY

Enlightening Technical Minds

Dr. MAHALINGAM
COLLEGE OF ENGINEERING AND TECHNOLOGY

An Autonomous
Institution

Affiliated to Anna University, Chennai. Approved by AICTE.
Accredited by NBA and NAAC with Grade A

Udumalai Road, Pollachi - 642 003. Tamilnadu.

Department of Mechanical Engineering

NEWSLETTER

2012-2013

VOLUME - 1

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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.

AUGUST 2012

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

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mechanical Engineering	Mr. M.Selva Kumar Assistant Professor	Role of NDT & Metallography in Failure Analysis	College of Engineering Guindy , Anna University , Chennai	11.08.12

Paper Published in International Journals

Dept.	Name of the Author(s) with Designation	Title of the Paper	Title of the Journal	Volume	No	Page(s) No	Date (When Published)
Mech	D. Shanmugam	Influence of Pretreatments on the Mechanical Properties of Palmyra Palm Leaf Stalk Fiber- Polyester Composites"	Journal of Reinforced Plastics and Composites.- Sage Publications	Accepted			
Mech	M.Selva kumar	Characterization of Titanium composites through powder metallurgy techniques	Materials Characterization –Elsevier Publications	Accepted			

Industrial Visits/Tour

S. No	Dept.	Class	Place of Industrial Visit	Total No. of Students Visited	Date
1	Mechanical Engineering	II Year A section	M/s Sakthi Auto components Perundurai	69 students and 2 staffs Mr. G. Rakesh Assistant Professor Mr. M. Padmanaban Assistant professor	28.08.12

Students Club Activities (Eco Club, Quiz Club, Rotaract etc...)

Club Name	Program Name	Co-ordinate by	No. of Participants	Date of the
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				event
Robotics Club	Inauguration function of RLDC for 2012-13	M. Selva kumar Staff co- coordinator RLDC	150 students and staffs	17.08.12

Extra-Curricular / Co-curricular Activities

Physical Education Activities

S.No	Students Name	Year & Dept.	Events Details	Awards / Medals (if any)	Date of the Event
1	V.kishore kumar	Iv Year Mechanical	Anna University Chennai Zone 10 Tournament	Participated	30.08.12 To 01.09.12
2	N. Parithinantha V.Karthik G.Abishek	III year Mechanical	Hindustan Institute of Technology CBE		
3	S.Kathiravan	III year Mechanical	Anna University Chennai Zonal Chess Tournament	Participated	30.08.12 To 31.08.12
			Anna University Chennai Zone 10 Tournament Sri Krishna College of Engineering and Technology CBE	Participated	29.08.12 To 31.08.12

NCC Activities

Name of the Students	Degree Studying	Branch	Programmes Organized / Conducted / Participated	Venue	Date (s)
Selvaraj S Ponmukilan R Nithyananthan S Vibin B Prabakaran C Ganesh Kumar V Vasanth Kumar	III Year BE	Mechanical Engineering	CATC cum Try & Launch GP RDC and Launch Dte TSC(G) conducted by 4(TN) Bt NCC	NGM College Pollachi	21.08.12

NSS Activities

Name of the	Degree	Branch	Programmes Organized	Venue	Date (s)
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Students	Studying		/ Conducted / Participated		
Kannan .J Infant Abdul shyam Manokar A Prabhudeva v Santhosh S Pavithran K.C Ranjith N Nirmal Kumar R Subash S Santhosh kumar S Rajprasath K Gurunathan N Selvaraj C Winston Roy A Rahul Javari Sabari M Kaarventhan Boopathy Amarnath Baranitharan M Mathiazhagan A Gopalsamy	II Year BE	Mechanical Engineering	Visit to Sangameswarar Temple	Bhavani	23.08.12

Consultancy

Dept.	Name of the Faculty (s)	Designation	Title of the Consultancy Work	Name of the organization / Firm/ Company	Period of Consultancy
Mechanical Engineering	Dr. Rama Thirumurugan S. Madhusudhanan	Assistant Professor SG Assistant Professor	Static Fatigue and impact test for knuckle component	SACL, Erode	August 2012

September 2012

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

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mechanical Engineering	Mr. R.Bupathi Assistant Professor (SG) Mr. T. Kasirajan Assistant Professor	Twenty – eighth National convention of Mechanical Engineers and National Seminar on “ Emerging Technologies in Product Development for Safe and Sustainable Mobility	PSG College of Technology Coimbatore	03.09.12 To 05. 09.12

Professional Society / Department Association / Guest Lectures organized

Dept.	Co-ordinator / Co-coordinator with Designation	Details of Program	Date
Mechanical Engineering	Mr. M. Selva kumar Assistant Professor Mechanical Engineering	Mechanical Engineering Association Function "Mechanica" Guest Lecture on "Total Quality Management "by Mr. P. Prabakaran Senior Manager & Consulting Head TUV - Rhineland (India) Pvt. Ltd CBE	21.09.12
		Mechanical Engineering Association Mechanica Technical Event	08.09.12

Participation of MCET Faculty as Resource Person

Dept.	Name of the Faculty with Designation	Title of the Programme	Details & Venue	Date
Mechanical Engineering	Dr. I.Rajendran Professor & HOD	Attended IE workshop and Act as chairman of the technical session.	PSG Tech CBE	04.09.12

Students Club Activities (Eco Club, Quiz Club, Rotaract etc...)

Club Name	Program Name	Co-ordinate by	No. of Participants	Date of the event
Fine Arts Club	Cultural Event	M.Selva kumar	All students	15.09.12

Extra-Curricular / Co-curricular Activities

Physical Education Activities

S.No	Students Name	Year & Dept.	Events Details	Awards/Medals (if any)	Date of the Event
1	V. Prabu	2009 Batch IV Year Mechanical	Anna University Chennai Zone 10	Participated	26.09.12 And 27.09.12
2	T. Aravindh	2011 Batch II Year	Kho-Kho(men) Tournament		
3	K.Jegan N. Mohan Kumar S. Chakaravarthy A.S.Deepak raj V.Santhoshraj	2011 Batch II Year	Sweden India Nobel Memorial Quiz 2012 Event at IIT Madras	Participated	23.09.12
4	K.Kumar rathinam	IV year Mechanical	Anna University Handbnall Tournament(Men)	Participated	27.09.12 And 28.09.12
	P.Rajaji	II Year Mechanical			
5	E.Loganathan	IV Year Mechanical	Anna University Chennai Zone 10 Foot ball Tournament SVS college Kinathukadavu	Participated	22.09.12
	S. Arun Kumar	I Year Mechanical			
	C. Naveen Kumar J.Bhuvaneshwar B. Arunvignesh J. Joe Xavier Deepak	III Year Mechanical			
	K. Sibichakaravarthy B.Ruthrakumar S.Roopanvinayak	II Year Mechanical			
6	J. Hariharan	II Year Mechanical	Karpagam Trophy Velleyball Tournament Karpagam University CBE	Participated	20.09.12
		I Year Mechanical			
7	C.Gokul Prasanth	IV Year Mechanical	Anna University Chennai Zone 10 cricket Tournament MCET Pollachi	Winners	14.09.12, 15.09.12 And 17.09.12
	A.Thanga Durai	III Year Mechanical			
	G.Surendar K.Vijay	II Year Mechanical			
8	K.Vinoth Kumar	III Year Mechanical	Anna University Chennai Zone 10 Badminton Tournament	Participated	17.09.12 To 18.09.12
	Bharathan	II year Mechanical			
9	E.Loganathan	IV Year Mechanical	Anna University Chennai Zone 10 Football Tournament SVS College	Participated	20.08.12 To 1.09.12
	S.Arun Kumar	I year Mechanical			
	S. Roopan Vinayak B.Ruthra Kumar K.Sibhi Chakaravarthy	II Year Mechanical			
	B.Arun Vignesh J. Bhuvaneshwar	III Year Mechanical			

	J.Joe Xavier Deepak C.Naveen Kumar				
10	P.N.Arun Kumar	IV Year Mechanical	Anna University Chennai I 2 Kabadi Tournament	Participated	14.09.12 To 18.09.12
11	K. Vinoth Kumar	III Year Mechanical`	Anna University Chennai Badminton Tournament	Participated	17.09.12 To 18.09.12
	S. Bharathan	II Year Mechanical			
	S. Arun	IV Year Mechanical			
12	K. Pradeep N. Arun Prakash	III Year Mechanical	Anna University Chennai Zone 10 Tournament Hindustan Institute of Technology CBE	Participated	11.09.12
13	K. Pradeep S.Gowtham raj N. Arun Prakash	III Year Mechanical	Anna University Chennai Zone 10 Tournament Hindustan Institute of Technology CBE	Participated	10.09.12
14	P. N. Arun Prakash V.Ganesh Kumar	IV Year Mechanical	Anna University Chennai Zone 10 Tournament CIET CBE	Participated	06.09.12
15	V.Kishore Kumar	IV Year Mechanical	Anna University Chennai inter Zonwe Hockey Tournament National Engineering Kovilpatti	Participated	06.09.12 To 08.09.12
	N. Parithinantha V. Karthik G.Abhishek K.Suygumar	III Year Mechanical			
	M.Rajapandi	II Year Mechanical			
16	P.N.Arun Kumar	IV Year Mechanical	Anna University Chennai Zone 10 Kabadi Tournament	Participated	07.09.12
17	K. Pradeep N. Arun Prakash S> Gowtham raj	III Year Mechanical	Anna University Chennai Zonal Basket ball Tournament	Participated	10.09.12 To 11 .09.12
18	C. Gopal Prasath	IV Year Mechanical	Anna University Chennai Zonal Cricket Tournament	Participated	14 .09.12 To 17 .09.12
	A.Thangadurai	III Year Mechanical			
	G.Surendar K.Vijay	II Year Mechanical			
19	V. Kishore Kumar	IV year Mechanical	Anna University International Hockey Tournament	Participated	06.09.12 To 08.09.12
	N. Parithinadha V. Karthik G. Abhishek	III Year Mechanical			

OCTOBER 2012

Professional Society/Department Association/Guest Lectures organized

Dept.	Co-ordinator / Co-coordinator with Designation	Details of Program	Date
Mechanical Engineering	Mr. M. Selva Kumar Assistant Professor	EDC & MECHANICA Jointly organizing "TECHNO TRAP 2K12" – Technical Event	12.10.12
		Workshop on "COMPUTATIONAL FLUID DYNAMICS " by Mr. M. Ashok Kumar Senior Technical Architect, Geometric Ltd., Bangalore & DIGITAL MANUFACTURING" By Mr. Vadivel Murugan Programme Manager Geometric Ltd., Bangalore	20.10.12

Papers Presented in International Conference/Seminar/Symposium/Workshop

Dept.	Name of the Author(s) with Designation	Title of the Paper Presented	Title of the Conference /Seminar	Conducted by	Conducted at (Venue)	Date(s)of Paper Presented	Proceedings page(s) nos.
Mech Engg	Mr. D. Shanmugam Assistant Professor(SS)	Third Internal conference on Natural Polymers,Bio- Polymers, Bio- materials, their composites , Blends, IPNs Polyelectrolytes and Gels: Macro to Nano Scales (ICNP2012)	International Conference	Organized by Centre for Nano Science and nanotechnology, Mahatma Gandhi University Periyadarshini Hills Po Kottayam Kerala & Beijing University of Chemical Technology(BUCT) Beijing , China	Mahatma Gandhi University Kottayam Kerala	26.10.12 to 28.10.12	

Industrial Visits/Tour

S. No	Dept.	Class	Place of Industrial Visit	Total No. of Students Visited	Date
1	Mech./ Engg	III Year B sec	M/s TANGED CO Kundha Power Plant	63 Students and 3 Staffs Member Mr. M. Giridaradhayalan/AP- Mech Mr. K. Vijayakkannan/AP-Mech Mr. P. Anbarasu AP-Mech	15.10.12

Students Club Activities (Eco Club, Quiz Club, Rotaract etc...)

Club Name	Program Name	Co-ordinate by	No. of Participants	Date of the event
Fine Arts Club	Cultural fest (Theme: Old is gold)	M.Selva Kumar AP (SS)/Mech Engg	All students	20.10.12

Extra-Curricular / Co-curricular Activities

Physical Education Activities

S.No	Students Name	Year & Dept.	Events Details	Awards / Medals (if any)	Date of the Event
1	C. Gokul prasath	IV Year Mechanical	Anna University Chennai Zone Cricket tournament JJCET Trichy	Participated	08.10.12 to 11.10.12
2	A Thanga Durai	III Year Mechanical			
3	G. Surendar K.Vijay	II Year Mechanical			
4	s. Balamurugan	III Year Mechanical	Anna University Chennai zone 10 Ball Badminton tournament Men \ Karpagam College of engineering	Participated	03.10.12 to 04.10.12
5	P. Kaviram	I Year Mechanical	Anna University Chennai zone 10 Tennis Tournament Men Karpagam College of Engineering	Participated	
6	K. Kumarathinam	IV Year Mechanical	AU Chennai Zone Handball Tournament SVS college CBE	Participated	28.09.12 To 01.10.12

NOVEMBER 2012

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

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mechanical Engineering	Dr. Rama Thirumurugan	Faculty Development Programme on "Teacher Leadership extending the role of a teacher within and beyond the class room"	IIT Madras, Chennai	09.11.12 to 10.11.12

Professional Society/Department Association/Guest Lectures organized

Dept.	Co-ordinator / Co-coordinator with Designation	Details of Program	Date
Mechanical Engineering	Dr. Rama Thirumurugan Associate Professor & M. Selva Kumar Assistant Professor	Special Talk on " Importance of Motion Simulation combined With Finite Element Analysis " by Mr. G. Moorthy & Mr. R. Radhakrishnan Tech Lead solution Pvt, Ltd Chennai	02.11.12

Extra-Curricular / Co-curricular Activities

Physical Education Activities

S.No	Students Name	Year & Dept.	Events Details	Awards / Medals (if any)	Date of the Event
1	B. Karthikeyan	I Year Mechanical	Junior Inter district volleyball championship for Coimbatore District	Participated	26.11.12 to 29.11.12

Consultancy

Dept.	Name of the Faculty (s)	Designation	Title of the Consultancy Work	Name of the organization / Firm/ Company	Amount	Period of Consultancy	
						From	To
Mechanical Engineering	Dr. Rama Thirumurugan & S. Madhudhanan	Associate professor & Assistant Professor	Model K steering Knuckle for impact test 13 Nos	MCET	---	November 2012	

DECEMBER 2012

Staff Development Programmes

Continuing Education Programs/Faculty Development Programmes/Conferences/Seminars/Workshops/Short Term Training Courses

Dept.	Name of the Coordinator(s) with Designation	Title	Conducted at (Venue)	Sponsored by	No. of Participants attended	Date(s)
Mechanical Engineering	Dr.D.Senthilkumar. Senior Assistant Professor (SG)	Two week ISTE workshop on Engineering Thermodynamics	Dr.Mahalingam College of Engg and Technology	IIT Bombay	4	11.12.12 to 21.12.12

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

Dept.	Name of the Faculty with Designation	Details of Program	Place of Program	Date
Mechanical Engineering	Mr. M. Chandrasekaran Assistant Professor	Two week ISTE workshop on Engineering Thermodynamics	MECT Pollachi	11.12.12 to 21.12.12

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 Engineering	Joe Xavier Deepak J III Year BE Mechanical Engineering	TV Sundaram Iyengar & Sons Ltd. Pudukkottai.	17.12.12 to 22.12.12
	K. Logesh Krishnan P. Loganathan N. Mohammed Farook S. Gokul raj K. Jagan II Year Mechanical engineering A Section	Tamil Nadu State Transport corporation RC Unit II Pollachi	26.12.12 to 06.01.13

Name and Address of Distinguished Visitors

S. No	Name of the Visitors	Purpose	Date of Visit
1	Dr. Geetha	NBA visit	21.12.12
2	Dr. A. K. Singh	NBA visit	21.12.12