

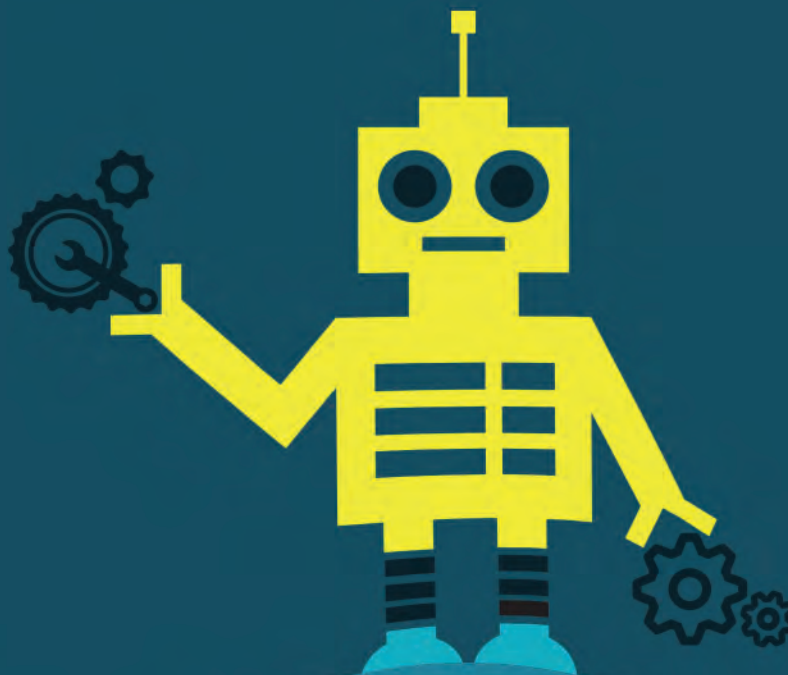
MECH Cruiz 17

ENGINEERED TO MOVE HUMAN SPIRITS.....

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Department of MECHANICAL ENGINEERING



'inside Mech cruiz'17

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Presented By

PERI
INSTITUTE OF TECHNOLOGY



Mr. Saravanan Periasamy
 CHAIRMAN

I am proud to have students from Mechanical engineering department to come up with such a good collection of information. I would like to encourage them to continue their good work.

Mr. Sasikumar Veerarajan
 COO

I congratulate all the students who have put their effort in bringing forth this newsletter of their department and also I like to congratulate all the faculty members and the HOD for motivating their students towards this fulfilment.



Dr. R. Palson Kennedy
 PRINCIPAL

My Congratulations to Mechanical department, by bringing out the newsletter portraying the academic & non-academic activities of their department. In the era of Outcome based education permitting the students in a thrust area to be addressed in professional Institutions. I extend my best wishes to the supporting faculties & students of the Mechanical department in their upcoming endeavor newsletter.

MECHANICAL ENGINEERING

Carbon Nanotube 'Shock Absorbers' Excel At Dampening Vibration

This image shows clusters of the carbon-nanotube vibration-dampening material.

Credit: Nikhil Koratkar, Rensselaer Polytechnic Institute

Source: Rensselaer Polytechnic Institute

Summary:

Research on a new class of nanostructured materials used to reduce vibrations in mechanical equipment and electronic devices, being developed by a team of scientists at Rensselaer Polytechnic Institute, will be featured in Nature Materials.

TROY, N.Y. — Research on a new class of nanostructured materials used to reduce vibrations in mechanical equipment and electronic devices, being developed by a team of scientists at Rensselaer Polytechnic Institute, will be featured in Nature Materials. “The nanoscale building blocks we have developed have both micro and macro applications,” said Nikhil Koratkar, assistant professor of mechanical, aerospace, and nuclear engineering at Rensselaer.

The new systems reduce and control vibrations within structures and will benefit the performance, safety, and reliability of future manufacturing equipment, sensitive laboratory equipment, and everyday electronic devices.”

The Rensselaer research team, led by Koratkar, added carbon nanotube fillers to traditional vibration reduction materials to enhance their energy dissipation capability.

Nanotechnology Flight Test: Material Impact on the Future
 Reduce mass, improve performance No wonder then that NASA’s Space Technology Mission Directorate (STMD) is keenly interested in nanotechnology – an approach that can reduce the mass and improve the performance of aerospace systems. For example, NASA computer modeling analysis has shown that composites using carbon nanotube reinforcements could lead to a 30 percent reduction in the total mass of a launch vehicle.

No single technology would have that much of an impact to reduce the mass of a launch vehicle by that much,” explains Michael Meador, Program Element Manager for Lightweight Materials and Manufacturing at NASA’s Glenn Research Center in Cleveland, Ohio. “I’m not trying to be cliché, but that is a game changer!” Flight-testing Soon-to-fly hardware will test the tensile properties of a carbon nanotube fiber-based composite tank over that of conventional carbon fiber epoxy composites. A Composite Overwrapped Pressure Vessel – COPV for short – will take to the skies aboard a sounding rocket launched from NASA’s Wallops Flight Facility in Virginia on May 16.

Investment payoff Meador sees a bright and long-lasting future for carbon nanotube materials. “When we first started to get into nanotechnology research we were looking at where it made sense for NASA to invest...where a huge payoff could be for the agency, be it in weight savings, performance, or reduced power consumption,” Meador suggests. There’s more work to be done in terms of improving the material’s mechanical properties, as well as fabricating the yarn fiber in quantities to make it competitive with conventional carbon fiber. “There’s a big payoff, not just for aerospace applications,”



Young Talents at a glance



These are the young minds that glow to their intellectual horizon.



They do share credits with their fellow student academicians from across the nation.



Yes, obviously, it's a national level technical symposium, conducted and held in-house.

OUR FACULTY MILESTONE'S

Our Faculty exercising excellence through academic delivery have cast so much pearls on to their crown. To mention a few are Assistant Professors, Mr. Jayabhaskar, Mr. Sabarigirish, Mr. Arul Nicholas and Mr. Thennarasan. They have been credited with cash awards from the college management.

Also to the aspiration towards innovation, our faculty Mr. D. Balajee has an impending patent for his product, which is an automatic light vehicle exterior contour cleaning equipment.



Our faculties do have environmental care for our planet earth. Working towards green technology for vehicles, the project work done by Mr. K. Asogan, Assistant Professor, has in the recent past, been published as a book project

Cultural Fest & Sports



The Students of Mechanical Engineering as seen, they celebrate their sport accomplishments with our COO



Our College staff team receiving the inter college cricket tournament runner up trophy from our beloved Principal. Leading in the front Peri Team Captain Mr.Joel,(Asst Prof/Mech Engg)



Our students ROCKING performance in the dance floor of Cultural Fest...







Our sense of culture and celebration being nurtured and appreciated as seen here, by our Principal.

HAVE A BREAK WITH MIND WIZ



1			4			6
7				1		8
				7		5
2	9					
	5	1			9	
	4				5	2
	3	9				6 7
		4		8		
6			5			

Sudoku

A)		1) CADILLAC
B)		2) DODGE
C)	 Rs	3) INFINITY
D)		4) BENTLY

Match Up!

PAPER PRESENTATION / TECH EVENTS AWARDS WON BY MECH STUDENTS 2016-2017



Mr. M.P. Dinesh Kumar & Mr. S. Faiyaz Ahmed won first place in TCS Innovate Event in Kurukshetra conducted in CEG, Guindy. They developed a robot and a vacuum cleaner on the spot with minimal resources provided.



Paper presentation award won by Mr J Harish Mr. M Harish Kannan & Mr R Kaleeshwaran.



Paper Presentation Award won By Mr R Srinivasan & Mr E Shanmugam for Intelligent Braking systems at University College of Engg, Kanchipuram

GUEST SPEAKERS & PROGRAMMES



Guest Lecture on Reverse Engineering using CAD from CADDAM Technologies.

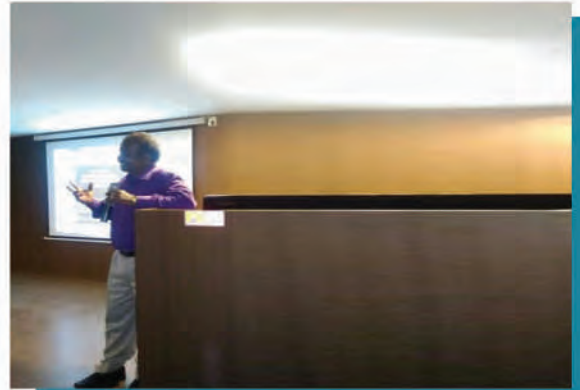


Guest Lecture on latest production methodologies Prof Sathish Kumar,
Velammal Institute of Technology

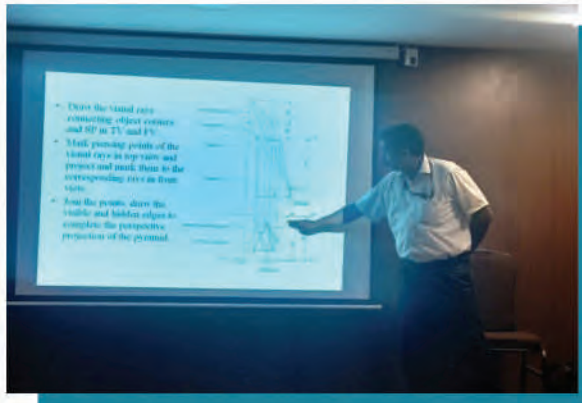


Guest Lecture on SAE membership by Prof. Muruganandam,
from Sri Sairam Engg. College

FACULTY DEVELOPMENT PROGRAMS



FDP on General Teaching Methodologies by Prof Dr. C. Elanchezian, Sri Sairam Engg College.



FDP on Engineering Graphics by Prof. Senthil Kumar, Velammal Engg College.



Faculty of Mechanical Engineering attending the FDP.

CLASS TOPPERS IN III SEMESTER EXAMS (ABOVE 7.5 GPA)

Sl. No.	Reg. No.	Name	CGPA
1	411515114023	Bharath Kumar S	7.08
2	411515114071	Harishankar P	8.08
3	411515114102	S. Kowshik	7.65
4	411515114118	Mohd. Suhail	7.74
5	411515114152	Praveen GV	7.54
6	411515114165	V. Rajaguru	8.03
7	411515114225	S. Vignesh Kumar	7.62

CLASS TOPPERS IN V SEMESTER EXAMS (ABOVE 7.5 GPA)

Sl. No.	Reg. No.	Name	CGPA
1	411514114140	N. Pavithra	7.75
2	411514114003	Abinesh M	8.05
3	411514114127	Aashish Kumar	8.00
4	411514114131	Bharanidharan R	8.13
5	411514114133	Bhargava Narasimhan R	8.05
6	411514114163	G. Gowthaman	7.75
7	411514114169	J. Harish	8.75
8	411514114114	Mohd. Aasife Iqbal	8.00
9	411514114116	Mohd. Salman Ahmed	8.63
10	411514114117	R. Monish	7.75
11	411514114136	Omkar M	7.75
12	411514114137	Pandiaraj G	7.63
13	411514114145	Prasanna Kumar P	7.63
14	411514114152	Purushothaman M	7.54
15	411514114155	P. Rahul	7.63
16	411514114158	N. Rajasekar	7.79
17	411514114163	Ramalingam D	7.05
18	411514114167	Sachin Joshua	7.88
19	411514114170	Samuel Steven	7.05
20	411514114175	S. Santhosh	8.05
21	411514114189	Shyam Sundar	7.79
22	411514114190	Sivaprakash	8.12
23	411514114196	Srinivasan R	7.75
24	411514114197	Srisharan KP	8.05
25	411514114203	Surya RR	7.62
26	411514114222	Vishnu Pandian S	8.25

CLASS TOPPERS IN VII SEMESTER EXAMS (ABOVE 7.5 GPA)

Sl. No.	Reg. No.	Name	CGPA
1	411513114006	Amarnath T	8.06
2	411513114009	Arul Jorhi A	8.05
3	411513114010	A Arun	7.96
4	411513114015	Aswinth R	7.52
5	411513114021	R. Balakumar	8.04
6	411513114024	A Biju	7.07
7	411513114028	V Deepak	7.91
8	411513114039	M Ganeshkumar	7.52
9	411513114042	Gopinath G	7.07
10	411513114045	S. Gowtham	8.07
11	411513114049	Hemanth R	7.07
12	411513114055	John Daniel S	7.91
13	411513114062	Kovarasam K	8.09
14	411513114063	Krishna Kumaar S	7.65
15	411513114064	M. Krishnan	7.52
16	411513114065	M. Kumaran	7.52
17	411513114068	Lokesh Kumar	7.70
18	411513114070	G. Magesh	7.91
19	411513114073	Manikandan V	7.96
20	411513114076	Mohd. Mustafa	8.57
21	411513114081	Muneeswaran G	7.91
22	411513114096	Prakash M	7.74
23	411513114097	Prashant Infant Raj	7.78
24	411513114316	Kishore P	7.52
25	411513114110	R. Santhosh	8.04
26	411513114114	V. Sathish	7.91
27	411513114116	S. Selvaraj	7.83
28	411513114117	Shyamsundar S	7.91
29	411513114118	Sibi Chanakiya	7.07
30	411513114122	Sridharan	7.78
31	411513114128	Suganraj K	8.17
32	411513114129	Sugin Ilankavi	8.04
33	411513114134	UmaShankar. T	8.04
34	411513114136	Veera Vignesh Bala	7.65

Sl. No.	Reg. No.	Name	CGPA
35	411513114137	Vetri Vel T	8.43
36	411513114141	M. Vignesh	8.57
37	411513114145	Vigneshwar D	7.91
38	411513114149	V. Vijay	7.79
39	411513114150	Vishal Nawin NP	7.83
40	411513114153	Yuvaraj P	8.22
41	411513114327	P. Sanjay	7.65
42	411513114328	Sivashankar J	7.65
43	411513114332	P. Vijay	7.83
44	411513114335	S. Vinoth	7.96
45	411513114501	N. Vigneshwaran	7.91



“PERI MECH ENGG PLACEMENT DRIVE 2017”

	9 Students Placed
6 Students Placed	
	23 Students Placed
13 Students Placed	
	2 Students Placed
6 Students Placed	

2017 PLACEMENT DETAILS

S.No	Name	Dept	Status	Company - 1	Company - 2	Company - 3	Company - 4	Offer
1	Abhilashkumar M S	Mech - A	Placed	Tech Mahindra	Super Auto Forge			2
2	Ajith Joseph J	Mech - A	Placed	Aqua Pure				1
3	Aruljothi A	Mech - A	Placed	Saradha Motors				1
4	Ayyappan K	Mech - A	Placed	Ramsays Corp	Aqua Pure			2
5	Balachandar J	Mech - A	Placed	Karthigeya				1
6	Balakumar.R	Mech - A	Placed	Aqua Pure Plus	Sutherland			2
7	Bharath R	Mech - A	Placed	Ramsays Corp				1
8	Biju.A	Mech - A	Placed	Tech Mahindra				1
9	Devarpiran P	Mech - A	Placed	Aqua Pure	Karthigeya			2
10	Dinesh Kumar S	Mech - A	Placed	Tech Mahindra				1
11	Dinesh S	Mech - A	Placed	Ramsays Corp	Aqua Pure			2
12	Ganesh Kumar .M	Mech - A	Placed	Karthigeya				1
13	Gowtham M	Mech - A	Placed	Saradha Motors	Hexaware	Sutherland(NV)	Super Auto Forge	4
14	Gowtham S	Mech - A	Placed	Ramsays Corp	Aqua Pure			2
15	Hemanath R	Mech - A	Placed	Saradha Motors	Dhonadhi	Super Auto Forge		3
16	Janakiraman P S	Mech - A	Placed	Ramsays Corp				1
17	Janaki Raman B	Mech - B	Placed	Karthigeya				1
18	John Daniel S	Mech - B	Placed	Maarg Properties	Tech Mahindra			2
19	Karthick A	Mech - B	Placed	Ramsays Corp	Aqua Pure			2
20	Kishore. P	Mech - B	Placed	Ramsays Corp	Aqua Pure			2
21	Krishnakumaar. S	Mech - B	Placed	First Source	Karthigeya	Dhonadhi	Tech Mahindra	4
22	Krishnan.M	Mech - B	Placed	Aqua Pure	Tech Mahindra	Hexaware		3
23	Lilton M	Mech - B	Placed	Ramsays Corp	Saradha Motors			2
24	Lokesh Kumar S	Mech - B	Placed	Tech Mahindra				1
25	Magesh G	Mech - B	Placed	Aqua Pure				1
26	Manikandan V	Mech - B	Placed	Ramsays Corp				1
27	Mohamed Musthafa M	Mech - B	Placed	Aqua Pure				1
28	Natarajan k	Mech - B	Placed	New Dolphin				1
29	Nijanthan U	Mech - B	Placed	Aqua Pure				1
30	Nithish Kumar S	Mech - B	Placed	Aqua Pure				1
31	Pradeep K	Mech - B	Placed	Super Auto Forge				1
32	Pragadish S	Mech - B	Placed	Ramsays Corp				1

33	Prakash M	Mech - B	Placed	Karthigeya				1
34	Prasanth Infant Raj P	Mech - B	Placed	Aqua Pure	Tech Mahindra	Sutherland(NV)		3
35	Richard J	Mech - C	Placed	New Dolphin				1
36	Sanjay P	Mech - C	Placed	New Dolphin				1
37	Santhosh R	Mech - C	Placed	New Dolphin				1
38	Saravanan.S	Mech - C	Placed	Ramsays Corp				1
39	Sathish.V	Mech - C	Placed	Karthigeya				1
40	Selvaraj S	Mech - C	Placed	Aqua Pure				1
41	Shyam Sundar S	Mech - C	Placed	Ramsays Corp	Tech Mahindra			2
42	Sibichanakiya R	Mech - C	Placed	Ramsays Corp				1
43	Sivasankar J	Mech - C	Placed	Ramsays Corp				1
44	Sridaran B G	Mech - C	Placed	Ramsays Corp	Aqua Pure			2
45	Srinivasan V	Mech - C	Placed	Aqua Pure				1
46	Subash S	Mech - C	Placed	Karthigeya				1
47	Sugan Raj k	Mech - C	Placed	First Source	Karthigeya			2
48	Sugin Elankavi R	Mech - C	Placed	Aqua Pure				1
49	Theepan Chakravarthy. S	Mech - C	Placed	First Source	Aqua Pure			2
50	Uma Shankar T	Mech - C	Placed	Saradha Motors				1
51	Veera Vignesh bala.N	Mech - C	Placed	Karthigeya				1
52	Vetrivel T	Mech - C	Placed	Karthigeya				1
53	Vignesh.M	Mech - C	Placed	Ramsays Corp	Saradha Motors	Dhonadhi		3
54	Vigneshwar D	Mech - C	Placed	Aqua Pure				1
55	Vijay Anandan A	Mech - C	Placed	Super Auto Forge				1
56	Vijay Karthik S K	Mech - C	Placed	Karthigeya				1
57	Vijay p	Mech - C	Placed	Super Auto Forge				1
58	Vijay V	Mech - C	Placed	Ramsays Corp	Aqua Pure			2
59	Vinoth S	Mech - C	Placed	New Dolphin				1
60	Vishal Nawin	Mech - C	Placed	New Dolphin	First Source			2
61	Yuvaraj M	Mech - C	Placed	Aqua Pure	Karthigeya			2
62	Yuvaraj P	Mech - C	Placed	Aqua Pure	Sutherland(NV)			2
63	Muneeshwaran.G	Mech-B	Placed	Aqua Pure	Tech Mahindra			2
64	sudharsan.S	Mech-C	Placed	Ramsays Corp				1

Rishi Gopalan,III Year ECEEditorial Board-Mr.D.Balajee, Mr. K. Asogan & Mr. T. Arun

WORK HARD IN
SILENCE AND
LET YOUR
LAMBORGHINI
MAKE THE
NOISE...

