



CYNOSURE



BI-ANNUAL NEWS LETTER Volume: 3 Issue: I June 2014

Department organized an BRNS Sponsored Third National Conference on Fascinating Advancements in Mechanical Engineering (FAME 2014) on 10.03.2014

The Department of Mechanical Engineering, R.M.K. College of Engineering and Technology organized a Third National Conference on Fascinating Advancements in Mechanical Engineering (FAME 2014) on 10th March 2014.

Dr. P. Iyamperumal, Executive Director, Tamil Nadu Science & Technology Centre, Chennai, was the Chief Guest for the inaugural function on 10.03.2014 at 9.30 a.m. He elaborately spoke about recent trends in science and Technology. The key note address was delivered by Dr.P.Palanichamy, Sr.Scientist, IGCAR, Kalpakkam. He spoke elaborately about Ultrasonics Nondestructive Testing Evaluation, Material Science, Residual Stress Measurements and Photo acoustics.

The Department did get very encouraging response to the conference and above 95 Researchers showed interested in the conference and submitted their research papers. Out of which about 60 papers were selected by the technical committee for presentation. The major areas of Mechanical engineering including Manufacturing, Thermal Sciences and Design Engineering were covered in the conference.

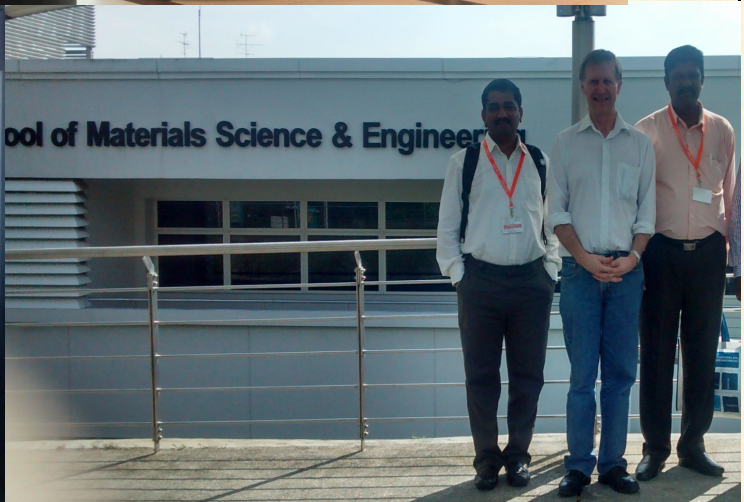


Inauguration of Third National Conference, FAME 2014

From left Mr.N.Nirmal, Mr.T.G.Loganathan, Assoc. Prof., Dr.M.Balasubramanian, Prof & Head, Chief Guest, Dr. P. Iyamperumal, Executive Director Dr.E.B.Perumal Pillai, Principal, Dr.P.Palanichamy, Sr.Scientist, IGCAR, Dr.S.Bhagavathi Perumal, Vice Principal, & Mr.S.Senthilkumar, Assoc. Prof.



Third National Conference on Fascinating Advancements in Mechanical Engineering (FAME 2014) inaugurated by Dr. P. Iyamperumal, Executive Director, Tamil Nadu Science & Technology Centre,.



Dr.M.Balasubramanian, Professor and Head along with Professor Tim of Material Science and Engineering Laboratory and LAM Yee Cheong of Precision Engineering Laboratory, Nanyang Technological University, Singapore

PROGRAMMES ORGANIZED BY THE DEPARTMENT

BRNS Sponsored Third National Conference on Fascinating Advancements in Mechanical Engineering was conducted on 10.03.2014. Dr. P. Iyamperumal, Executive Director, Tamil Nadu Science & Technology Centre, Chennai, inaugurated the Conference

PROGRAMMES ATTENDED BY FACULTY

Mr.S.Senthil Kumar, Associate Professor attended the Classroom Management (Cambridge English language Assessment) at Chennai 03.09.2013.

All the Mechanical Faculty Members attended the Two Days Refresher course on Academic Excellence at RMK College of Engineering & Technology between 17.12.2013 to 18.12.2013.

Mr.S.Senthil Kumar, Associate Professor attended the NBA Workshop at RMK Engineering College on 03.02.2014 & 14.03.2014 to 16.03.2014.

Dr.M.Balasubramanian, Professor & Head participated in Asia Pacific Research Intelligence Conference on 10th and 11th June 2014 organized by Nanyang Technological University, Singapore and Elsevier Publications in Nanyang Executive Centre, Nanyang Technological University Singapore.

FACULTY TRAINING

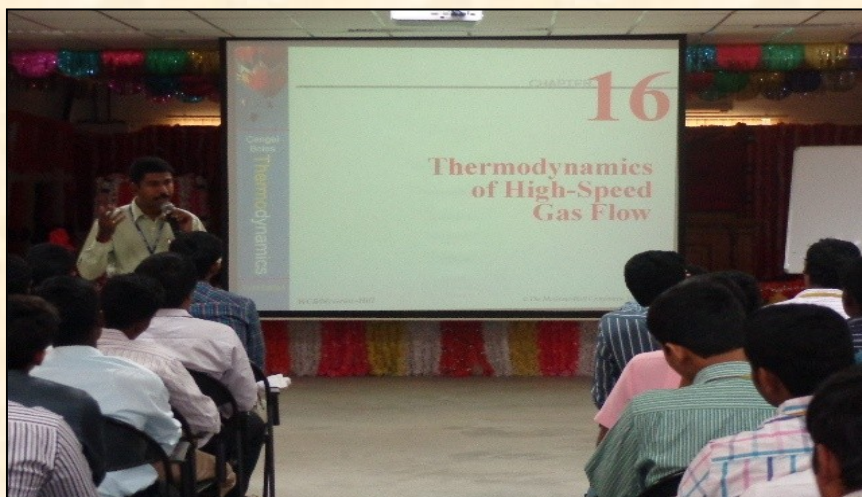
Mr.Ashok Kumar, Assistant Professor attended a Faculty Development Programme on Fluid Mechanics in Anna University between 20-5-2014 and 30-5-2014

GUEST LECTURES ORGANIZED

Sl. No	Name of the Speaker	Topic	Date	Year
1	Dr.M. Swaminathan, CEG, Anna University	Gas Dynamics and Jet Propulsion	25.01.2014	III Year
2	Mr.V.Herald Wilson Raja	Advancement in CAD	09.01.2014	III Year
3	Dr.N.Ramasamy, Management Consultant	Principles of Management	01.02.2014	III Year
4	Dr.G. Kumaresan, CEG, Anna University	Heat and Mass Transfer	01.02.2014	II Year
5	Prof.B.S.Murthy, Dept., of Metallurgical &Material Engg., IITM	Engineering Materials and Metallurgy	21.02.2014	II Year



Guest Lecture delivered by Dr.N.Ramasamy, Management Consultant on Principles of Management on 01.02.2014



Guest Lecture delivered by Dr.M. Swaminathan, CEG, Anna University on Gas Dynamics and Jet Propulsion on 25.01.2014.

STUDENTS OVER ALL ATTENDANCE PERCENTAGE UP TO VI SEMESTER

Sl.no	Reg.no	Name of the Student	I	II	III	IV	V	VI
1.	111611114016	DHILIP KUMAR M K S	100	100	100	100	100	100
2.	111611114020	ELAVARASAN T	100	100	100	100	100	100
3.	111611114029	GOWTHAM M	100	100	100	100	100	100
4.	111611114088	SANDEEP EK	100	100	100	100	100	100
5.	111611114097	SATHESH KUMAR R	100	100	100	100	100	100
6.	111611114110	UDAYA SHANKAR M S	100	100	100	100	100	100

PLACEMENT TRAINING PROGRAMMES

Sl.No	Name of the Organization	Title of the Programme	Conducted at(Venue)	Date/Period	Year
1	M/s Focus Academy for Carrier Enhancement	Business English Certification Examination	RMKCET	26.12.2013 to 28.12.2013	II
2	Infosys	Foundation Programme	RMKCET	2.1.2014 to 11.1.2014	IV
3	Accenture Services India Ltd	Head Start Foundation Programme	RMKCET	20.1.2014 to 12.2.2014	IV
4	Smart Training Resources	Aptitude Training Programme	RMKCET	28.1.2014 To 29.1.2014	III
5	M/s Focus Academy for Carrier Enhancement	Business English Certification Examination	RMKCET	12.2.2014 to 13.2.2014	II
6	Students Yet to be placed	Aptitude Training Programme	RMKCET	5.2.2014 to 6.2.2014	IV
7	Smart Training Resources	Aptitude Training Programme	RMKCET	14.2.2014 to 15.2.2014 & 17.2.2014	III
8	Smart Training Resources	MOCK Online Test	RMKCET	19.2.2014	III
9	Business English Certification Examination	BEC speaking Test	RMKEC	22.3.2014	II
10	Business English Certification Examination	BEC paper based Test	RMKEC	29.12.2014	II
11	Smart Training Resources	Aptitude Training Programme	RMKCET	6.3.2014	III



Guest Lecture delivered by Dr.B.S.Murthy, Dept., of Metallurgical & Material Engg., IITM, on Engineering Materials and Metallurgy on 21.02.2014

Guest Lecture delivered by Dr.G. Kumerasen, CEG, Anna University on Heat and Mass Transfer on 01.02.2014.

PAPER PUBLISHED BY FACULTY

- **Balasubramanian M, Ramesh S, Balasubramanian.V, “An Experimental Investigation of Diffusion Bonding of Titanium Alloy Ti-6Al-4V and Silver Coated AISI 304 Stainless Steel”,** Proceedings of 1st International Conference on Mechanical Engineering: Emerging Trends for Sustainability, MANIT, Bhopal, 2014, pp.504-509.
- **Balasubramanian.M, Kumar.R, Madhu.S, "Analysis of AISi CNT composite coating on Al6061 and SS304L substrate by plasma spray",** International Conference on Computational Intelligence and Advanced Manufacturing Research ICCIAMR 2014, VOL-1, ISBN - 978-81-924031-7-5, pp 59-62.
- **Senthil Kumar.S, “Investigations on PD Characteristics of Thermal aged Palm and Corn Oil for Power Transformer Insulation Applications"** was accepted and to be published in Journal of Electrical Engineering and Technology (ISSN(Print) 1975-0102 ISSN(Online) 2093-7423) shortly.
- **Senthil Kumar.S, “Effective Solar water Desalination by using Acetone"** in a National Conference on Recent Trends in Design, Automobile& Manufacturing Engineering on 21st February2014 in S.A. Engineering College, Chennai.

INDUSTRIAL VISITS

Sl.No	Industry Name	Year and Student	Date
1	Nutech CNC Pvt., Ltd., - Ayyanambakkam, Chennai	II Year A,B & C	23.12.2013
2	Hinduja Foundaries, Chennai	II Year A,B & C	07.03.2014 & 08.03.2014
3	Electro – Magfield Controls & Services, SIDCO – Vellanur, Chennai	IIIYear A,B	27.12.2013
4	Ennore Port Limited	IIIYear A,	08.01.2014
5	Ennore Port Limited	IIIYear B,	09.01.2014
6	Sathish Dhawan Space Centre (SHAR)	IIIYear A,	24.01.2014
7	Sathish Dhawan Space Centre (SHAR)	IIIYear B,	05.03.2014











GRANT RECEIVED FROM EXTERNAL AGENCY

Sl.No	Name of the Agency	Name of the Programme	Principal Investigator	Grant Sanctioned
1	Board of Research in Nuclear Sciences (BRNS)	National Conference	Dr.M.Balasubramanian	Rs.50,000

IN-PLANT TRAINING

SL.NO	NAME OF THE STUDENT	YEAR of STUDY	NAME OF THE INDUSTRY	DURATION
1.	Mr.K KANNAN	III YEAR	ASHOK LEYLAND	16-12-2013 to 21-12-2013
2.	Mr.K MOHANDASS	III YEAR	ASHOK LEYLAND	16-12-2013 to 21-12-2013
3.	Mr.D MUKESH	III YEAR	ASHOK LEYLAND	20-12-2013 to 21-12-2013
4.	Mr.SARATH CHANDRA.K.S	III YEAR	AMARAJA BATTERIES INDIA PVT.LTD.	23-12-2013 to 24-12-2013
5.	Mr.C.TAMILARASAN	III YEAR	CHENNAI POLES PVT LTD	17-12-2013 to 20-12-2013
6.	Mr.N.VENKATESH	III YEAR	CHENNAI POLES PVT LTD	17-12-2013 to 20-12-2013
7.	Mr.SURESH MENAN.B	III YEAR	CHENNAI POLES PVT LTD	17-12-2013 to 20-12-2013
8.	Mr.RAKESH.D	III YEAR	ASHOK LEYLAND	10-12-2013 to 13-12-2013
9.	Mr.RAVIKUMARAN K M	III YEAR	HINDUSTHAN AERONAUTICS LTD	18-11-2013 to 23-11-2013
10.	Mr.K SATHEESH	III YEAR	CHETTINAD CEMENT	16-12-2013 to 19-12-2013
11.	Mr.V.SURENDHAR	III YEAR	HINDUJA FOUNDARIES	16-01-2014 to 19-1-2014
12.	Mr.V VELMURUGAN	III YEAR	HINDUJA FOUNDARIES	16-01-2014 to 19-1-2014
13.	Mr.M ARAVIND	III YEAR	ASHOK LEYLAND	13-12-2013 to 19-12-2013
14.	Mr.P HEMANTH KUMAR	III YEAR	ASHOK LEYLAND	10-12-2013 to 13-12-2013
15.	Mr.DEEPAK KUMAR SURANA	III YEAR	ASHOK LEYLAND	10-12-2013 to 13-12-2013
16.	Mr.RAJSHRAVAN S	III YEAR	ASHOK LEYLAND	10-12-2013 to 13-12-2013
17.	Mr.VIGNESHWARAN S U	II YEAR	HYUNDAI MOBIS	10-12-2013 to 17-12-2013
18.	Mr.YUVARAJ G	II YEAR	HYUNDAI MOBIS	10-12-2013 to 17-12-2013
19.	Mr.S.SARATHKUMAR	III YEAR	CHETTINAD CEMENT	16-12-2013 to 19-12-2013
20.	Mr.K KANNAN	III YEAR	ASHOK LEYLAND	16-12-2013 to 21-12-2013
21.	Mr.K MOHANDASS	III YEAR	ASHOK LEYLAND	16-12-2013 to 21-12-2013
22.	Mr.YUGESH	III YEAR	CHETTINAD CEMENT	16-12-2013 to 19-12-2013
23.	Mr.MARIA JAGANATHAN	III YEAR	TVS LOGISTICS SERVICE LTD	12-12-2013 to 21-12-2013
24.	Mr.SANDEEP A	III YEAR	ASHOK LEYLAND	10-12-2013 to 13-12-2013
25.	Mr.E K SANDEEP	III YEAR	ASHOK LEYLAND	10-12-2013 to 13-12-2013
26.	Mr.R SARAVANAN	III YEAR	ASHOK LEYLAND	10-12-2013 to 13-12-2013

UNIVERSITY TOPPERS (2010-2014 Batch)UNIVERSITY TOPPERS (2011-2015 Batch)

NAME OF THE STUDENT	CGPA	STUDENT PHOTO	NAME OF THE STUDENT	CGPA	STUDENT PHOTO
RAKESH T	8.529		NAVEENKUMAR K S	9.145	
NARAYANAN S	8.294		ESWAR KUMAR K H	8.957	
MULLA CHAITANYA	8.273		PAVITHRRESH S V	8.920	
VIGNESH M	8.225		SATHEESH K	8.862	
VENKATASUBRAMANIAN S	8.195		SURYA PRAKASH M	8.819	












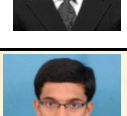
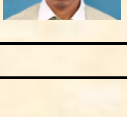
Editorial Board of the Department News Letter on behalf of the Management, Faculty and students of Mechanical Engineering congratulates the students who have been placed in various organization.

The Board also showers praise on students who are topping the class in Anna University Examination till last semester.






Board also feels proud in congratulating all the faculty who have been striving hard in providing all the support to students for their success in University Examination

Congrats

CAMPUS PLACEMENT AS ON 18-6-14 (2010-2014 Batch)

Sl.No	REGISTER NUMBER	NAME OF THE STUDENT	NAME OF THE INDUSTRY	STUDENT PHOTO
1	13110114015	MULLA CHAITANYA	ACCENTURE, INFOSYS	
2	13110114016	NALLAPEDDI VAMSI SAI MO	ACCENTURE, WIPRO	
3	13110114020	RAKESH T	ACCENTURE	
4	13110114029	VIGNESH M	ACCENTURE, RAMKY ENVIRO ENGINEERS	
5	13110114019	PRAVEEN S K	INFOSYS	
6	13110114022	SAI CHARAN YALAMANCHI	INFOSYS,WIPRO	
7	13110114024	SANJEEV MOHAN	INFOSYS,WIPRO	
8	13110114014	S.MOHAMED ASLAM	Focus Academy for Carrer Enhancement	
9	13110114332	S.VENKATASUBRAMANIAN	M/s. Maestro Steel Detailing Pvt. Ltd	
10	13110114701	S.SAGAR	M/s. Maestro Steel Detailing Pvt. Ltd	
11	13110114007	M.DHARANI	M/s. Maestro Steel Detailing Pvt. Ltd	
12	13110114317	KANNAN.M	M/s.Fujitech	
13	13110114017	NARAYANAN S	M/s. Saipem	

UNIVERSITY TOPPERS (2012-2016 Batch)

NAME OF THE STUDENT	CGPA	PHOTO
SANKAR RAJU N	9.012	
DHENA DAYALAN K	8.976	
DHARMARAJAN C	8.939	
YUVARAJ G	8.878	
SANDEEP N	8.854	

Congrats

On behalf of Students and Faculty of Mechanical Engineering, editorial board congratulates Mr.E.Manoj of III Year Mechanical Engineering for securing Fourth Place in Power Lifting (Bench Press) in 18th Chennai District Champion Ship Kottur on 23.02.2014.

Mr.K.Karthick Kumar has awarded in BRONZE Medal in under 29Years-Male-Mixed Pair category in 3rd South Zone Poomsae Taekwondo Championship in Thiruvananthapuram on from 31.01.2014 to 02.02.2014.



Sports Column



Companies Visited for Placement

LIST OF COMPANIES VISITED FOR THE BATCH (2010-2014)			
SL.NO	DATE	NAME OF COMPANY	VENUE
1	10/9/2013 & 11/9/2013	ACCENTURE	R.M.D ENGG COLLEGE
2	16/9/2013 & 17/9/2013	WIPRO	R.M.D ENGG COLLEGE
3	23/9/2013 & 24/9/2013	INFOSYS	R.M.D ENGG COLLEGE
4	22/10/2013	M/S GREAVES COTTON LIMITED	R.M.K ENGG COLLEGE
5	30/10/2013	M/S UST GLOBAL LIMITED	R.M.K ENGG COLLEGE
6	10/11/2013	SANMAR GROUP	SRI SAIRAM ENGG COLLEGE
7	21/12/2013	SUNDARAM CLAYTON LIMITED	VELAMMAL ENGG COLLEGE
8	24/1/14	M.R.F LIMITED	VELAMMAL ENGG COLLEGE
9	28/1/2014 - 30/1/2014	IBM INDIA PRIVATE LIMITED-GBS DIVISION	SRM UNIVERSITY
10	7/2/2014	YAMAHA MOTORS LIMITED	R.M.K ENGG COLLEGE
11	21/3/2014	M/S CSS CORPORATION PRIVETE LIMITED	R.M.K ENGG COLLEGE
12	27/3/2014	M/S RAMKY ENVIRO ENGINEERS LIMITED	R.M.K ENGG COLLEGE
13	25/3/2014 &26/3/2014	M/S SAK ABRASIVES LIMITED	SAK SOFT LIMITED ,PERUNGUDI
14	25/6/2014 & 26/4/2014	SAINT GOBAIN GRINDWELL NORTON LIMITED	S A ENGG COLLEGE
15	25/4/2014	M/S CRANEDGE INDIA PRIVATE LIMITED	VELAMMAL ENGG COLLEGE
16	16/5/2014	MAESTRO STEEL DETAILING PRIVATE LIMITED	MAESTRO STEEL DETAILING PRIVATE LIMITED

STUDENT'S ACHIEVEMENTS

SL.NO	NAME OF THE STUDENT	COLLEGE/ ORGANIZATION	YEAR	EVENT PARTICIPATED	DATE	PRIZES WON
1.	Dharmarajan L.Dinesh Kumar S.P.Sairam	IIT Madras, Chennai	II Year	MINISPAD Aeromodelling	5.01.2014.	Participation
2.	I.Mohamed Imthiyaz Hussian N.Poovaragavan, S.Gopal	IIT Madras, Chennai	II Year	Robbo Soccer, SHASTRA'14	5.01.2014.	Participation
3.	Rajiv Gandhi G.Saravanan Saravanakumar.T.R Yugesh S.Nirmal Prasanth	Coimbatore Institute of Technology	III Year	"Recent Trends in I C Engines"	23.1.2014	Participation
4.	R.Rupchander D.Sai prasanth N.D.Sisir Kumar B.Suresh menan E.Vijay vignesh	Coimbatore Institute of Technology	III Year	"Recent Trends in I C Engines"	23.1.2014	Participation
5.	B.Suresh Menan G.Saravanan R.Yugesh	Coimbatore Institute of Technology	III Year	Math Wizard, Event of Technovation'14	24.01.2014 to 25.01.2014.	Second Place
6.	M.Mahesh Kumar I.Mohamed Imthiyaz Hussian S.Rudhra Kumar	College of Engineering, Guindy	II Year	ROBO FACE Workshop, Kurukshetra 14	28.01.2014 To 29.01.2014	Participation
7.	B.T.Sathish Kumar S. Vinoth Kumar A.Wajakath Hussain	College of Engineering, Guindy	II Year	ROBO FACE Workshop, Kurukshetra 14	28.01.2014 To 29.01.2014	Participation
8.	L.Dinesh Kumar	CEG Anna University, Chennai	II Year	TCS INNOVATE	29.01.2014 to 01.02.2014	Third Prize
9.	K.Karthick Kumar	Taelwondo Asssiciation of Kerala , Kerala	II Year	Under -29 Age Male- Mixed pair	31.01.2014 to 02.02.2014	Third price
10.	S.Vignesh Ram	Kalaignar Karunanidhi Institute of Technology, Coimbatore	II Year	Eight Events, Mecnix'14	18.02.2014.	Participation

STUDENT'S ACHIEVEMENTS (contd....)

SL.NO	NAME OF THE STUDENT	COLLEGE/ ORGANIZATION	YEAR	EVENT PATICIPATED	DATE	PRIZES WON
1.	M.Vinoth Kumar	Kalaingar Karunanidhi Institute of Technology, Coimbatore	III Year	Nine Events in Mecnix'14	18.02.2014.	Participation
2.	S.Jeswanth Babu,	Meenakshi Sundararajan Engineering College, Kodambakkan	IV Year	Assembling and Dismantling, YANTRA'14	19.02.2014	First Place
3.	U.Sreekanth	Meenakshi Sundararajan Engineering College, Kodambakkan	IV Year	Assembling and Dismantling, YANTRA'14	19.02.2014	First Place
4.	E.Vijay vignesh S.Nirmal Prasanth, R.Rupchander N.D.Sisir Kumar	Dr.Mahalingam College of Engineering and Technology, Pollachi	III Year	Bottle Rocketry, UDDESHAH'14	20.02.2014 to 22.02.2014.	First place
5.	S.Nirmal Prasanth R.Rupchander N.D.Sisir Kumar E.Vijay vignesh	Dr.Mahalingam College of Engineering and Technology, Pollachi	III Year	NITROSHIFT, UDDESHAH'14	20.02.2014 to 22.02.2014.	Participation
6.	S.Nirmal Prasanth, R.Rupchander N.D.Sisir Kumar	Dr.Mahalingam College of Engineering and Technology, Pollachi	III Year	TRIEB MONTAGE, UDDESHAH'14	20.02.2014 to 22.02.2014.	Participation
7.	E.Vijay vignesh	Dr.Mahalingam College of Engineering and Technology, Pollachi	III Year	TRIEB MONTAGE, UDDESHAH'14	20.02.2014 to 22.02.2014.	Participation
8.	C.G.Keerthivasan, I.Ram Kumar R.Manoj	Mepco Schlenk Engineering College, Sivakasi	III Year	CAD Modelling CRYPTIX 14	21.02.2014	Participation
9.	R.Manoj C.G.Keerthivasan I.Ram Kumar,	Mepco Schlenk Engineering College, Sivakasi	III Year	Valve electronic engine technology ,Paper presentation CRYPTIX 14	21.02.2014	Participation

STUDENT'S ACHIEVEMENTS (contd...)

SL.NO	NAME OF THE STUDENT	COLLEGE/ ORGANIZATION	YEAR	EVENT PATICIPATED	DATE	PRIZES WON
1.	M.Vinoth Kumar	Madras Institute of Technology, Anna University	III Year	Auto Quiz , CAD Modelling Car Silhouette, , Trouble Shooting- AUTOMEET'14	22.02.2014 to 23.02.2014.	Participation
2.	S.Vignesh Ram	Madras Institute of Technology, Anna University	II Year	Trouble Shooting , AUTOMEET'14	22.02.2014 to 23.02.2014.	Participation
3.	S.Vignesh Ram	Madras Institute of Technology, Anna University	II Year	RC Car in Auto Meet'14	22.02.2014 to 23.02.2014.	Participation
4.	Suresh.V M.Vinoth Kumar	Rajalakshmi Engineering College	III Year	Glider, INGENIOUS'14	6.3.2014	Third Place
5.	S.Praveen S.V.Pavithresh K.Satheesh	Jeppiaar Institute of Technology	III Year	Auto Quiz, AGRONA'14	7.3.2014	Second place
6.	M.P.Kumar	Madras Institute of Technology	III Year	Glider, EXPRO'14	8.3.2014 to 9.3.2014	Third place
7.	K.S.Sarath Chandra	CEG,Guindy	III Year	Auto anatomy,Auto Quiz,PINNACLE 2014	13.3.2014 to 15.3.2014	Participation
8.	C.Dharmarajan K.Dhenadayalan B.Vinothkumar S.U.Vigneshwaran G.Yuvaraj	CEG,Guindy	II Year	Auto anatomy,Auto Quiz,PINNACLE 2014	13.3.2014 to 15.3.2014	Participation
9.	N.Sankar Raju	T.A.T.T.I, Chennai	II Year	CFD Workshop, AeroTriX	15.03.2014 to 16.03.2014	Participation
10.	N.Sankar Raju	T.A.T.T.I, Chennai	II Year	Automobile Workshop, AeroTriX	15.03.2014 to 16.03.2014	Participation

EDITORIAL BOARD**Dr.Balasubramanian.M, Professor & Head****Mrs.Renukadevi, Assistant Professor****Mr.Yelamanchi Saicharan, Student President****Mr.Rakesh.T, Secretary****Mr.Chaitanya.M, Student Treasurer**