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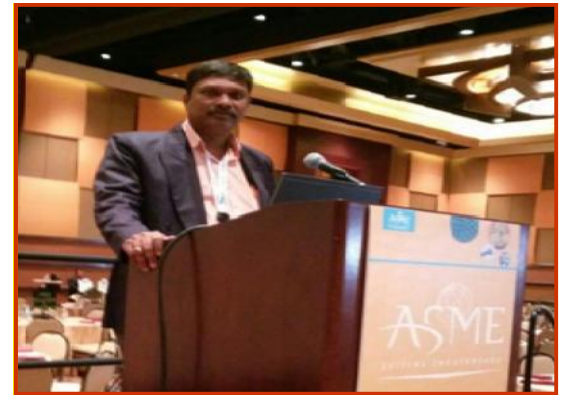
BI-ANNUAL NEWS LETTER

Volume:4 Issue: II Dec:2015

DEPARTMENT HIGHLIGHTS



III year Mechanical Engineering Students received Best Participation Award at SSN Engg. College.



HoD acted as session chair at ASME Conference(IMECE 2015) held in Houston Texas, USA



Dr.M.Balasubramanian, HoD's article was certified as the "Most downloaded article in the Journal of Defence Technology" out of 25 ranked 13th from science direct team.

**A Patent was filed by
Dr.P.K.Devan,
Professor,
Mr.R.AshokKumar
Asst.Prof.,
and students of final
year
Mr.V.Thangadurai
and
Mr. T. Lokesh**

Laurels received by the Department

- **Dr.M.Balasubramanian**, paper titled “Experimental Investigation of Ti–6Al–4V Titanium Alloy and 304l Stainless Steel Friction Welded with Copper Interlayer”, Journal of Defence Technology - Volume 11, Issue 1, **ranked 13th out of top 25 articles by Science direct team most cited Journal for the period of April – June 2015,**
- **Dr.M.Balasubramanian**, Prof. & Head, acted as **session chair** in the International Conference on International Mechanical Engineering Congress and Exposition, IMECE 2015 held in Houston, Texas, United States of America, 13th-19th Nov. 2015.
- **Dr.P.K.Devan**, Prof. **Mr.R.Ashok Kumar**., Asst. Prof., **Mr.V.Thangadurai** and **Mr. T. Lokesh**, of Final Year filed a Patent on “**Emission Control Using New Chemical Composition Applied in Engine Exhaust Line (Muffler) of a stationery Diesel Engine**” (Application No.201641003944).
- IIIyear Mechanical Engineering Students received **Best Participation Award** from CRANK-X’2015 held at SSN College of Engineering, Kalavakkam on 04.09.2015.

Department of Mechanical Engineering inaugurated Mechanical Engineering Student’s Association

Mechanical Engineering Student’s Association was Inaugurated by the Department of Mechanical Engineering on 4th July, 2015. Shri.D.Ravichandiran, Deputy General Manager, Thejo Engineering Ltd, Chennai., inaugurated the association and he was overwhelmed by the presence of all Mechanical Engineering students. The chief guest shared his own industrial experiences and motivated the students to attain success, The association student president Mr.R.Arun explained about the Mechanical Engineering Association activities and introduced the office bearers. Best project awards were given to the students of third year for their innovative project selected by the committee.



Dignitaries sitting on the dais from left to right

Mr. R.Arun, Student President, Dr. M.Balasubramanian, Prof & Head, Shri.D.Ravichandiran, Deputy General Manager, Thejo Engineering Ltd, Chennai, Dr. E.B.Perumal Pillai, Principal, Mr.S.Senthil Kumar, Associate Professor and Mr. M. Bharathi Anand, Student Secretary.(Office Bearers at the back of the dais.)

Mechanical Engineering Association



Chief guest Lighting the Kutthu vilakku



Chief Guest distributing the Memento and Certificates to the students for their best projects.

MAQUINAS - 15



Symposium Coordinator Mr.S.Arunkumar Lighting the Kutthuvilakku



Vice Principal Honouring the Chief Guest with Memento and Shawl



Participants in the events, Water rocketry



Participants in the event Mr. Manufacturer

EVENT PHOTOS

PROGRAMMES ORGANIZED BY THE DEPARTMENT

Department of Mechanical Engineering conducted the **Fifth National Level Technical Symposium "MAQUINAS - 15"** on 17.08.2015. The symposium was inaugurated by the Chief Guest Dr. V.Jayabalan, Former Professor & Head, DOME, Anna University. Various events like Paper Presentation, Mr. Manufacturer, Cad Modeling, Treasure hunt, Water Rocketry and Technical Quiz was conducted. Cash prizes and certificates were given to the winners of various events as an appreciation and the participation certificates were distributed to all the participants.



Dignitaries sitting on the dais from left to right

Dr.P.K.Devan, Prof. Dr. M.Balasubraminan, Prof. & Head, Dr. V. Jayabalan, Former Professor & Head, DOME, Anna University, Dr.S.Bagavathi Perumal, Vice Principal, Mr.S.Arun Kumar, Symposium coordinator and Mr. R. Arun , Student President,

The Department of Mechanical Engineering organized a **One Day National Seminar on "Renewable Conversion Technologies"** on 28.09.2015. The event was sponsored by Ministry of New and Renewable Energy (MNRE). Dr. S. Gomathinayagam, Director General, National Institute of Wind Energy, Ministry of New and Renewable Energy, Government of India, Chennai was the Chief Guest for the Inaugural function.



Chief Guest Dr. S. Gomathinayagam felicitates the gathering



Session speaker Dr.R.Sethumadhavan delivers the lecture.

PROGRAMMES ATTENDED BY FACULTY

- **Mr.Vinoth Kumar K.**, Asst.Prof. attended seven days Faculty Development Programme on Dynamics of Machines at Esvari Engineering College from 08.06.2015 to 14.06.2015.
- **Dr. Balasubramanian M.**, Prof. and Head and **Dr. Devan P.K.** Prof. attended a two days workshop on “**Engineering Education – Current Scenario and Future Prospects**” organized by Indian Society for Technical Education, New Delhi at Grand Convention Centre Chennai from 31.07.2015 to 01.08.2015.
- **All the Faculty members** attended a Two Day Refresher Course on Academic Excellence from 15.06.2015 to 16.06.2015.
- **All the Faculty members** attended a one day seminar on “**Renewable Conservation Technologies**” sponsored by Ministry of New & Renewable Energy conducted by RMK College of Engineering and Technology, RSM Nagar, Puduvoyal on 28.09. 2015.
- **Mr. Vinoth Kumar K**, Asst. Prof. attended a one day seminar on “**Elsevier Connect Seminar**” sponsored by Elsevier Connect held at Hotel Marriott, teynampet, Chennai on 04.11.2015.
- **Mr.Bibin**, Asst.Prof. attended a three day Faculty Development Programme on “**Art and skill of writing project reports and publishing journal papers**” from 16.12.2015 to 18.12.2015 at Noorul Islam University, Kumaracoil, Kanyakumari.
- **Mrs. Renugadevi K.** Asst.Prof. Attended a two day short course on “Mechanics of composite materials and structures (MCMS 2015) with applications of laminated composite plates and shells and non local mechanics organized by the Department of Mechanical Engineering, SRM University, Chennai from 21.12.2015 to 22.12.2015.
- **Mr.Senthil Kumar S**, Asso.Prof. Attended a one day International workshop on “**Future Energy Resources**” (IWFER’15) organized by the Department of Mechanical Engineering in association with “SAE INDIA & ENFUSE” on 22.12.2015.

GUEST LECTURES ORGANIZED

Sl.No	Name of the Speaker	Topic	Date	Year
1	Dr. Anil Kumar Sharma (IGCAR)	Nuclear Engineering	27-06-2015	IV/VII
2	Mr. S. P. Venkatesh (TAFE, Chennai)	Total quality management	04.07.2015	IV/VII
3	Mr. K Roshan (Isuzu Motors Pvt Ltd)	Challenges in Industries	07.08.2015	IV/VII
4	Mr. R. Raghunathan (IITM Chennai)	Computer Aided Design	03.07.2015	III/V
5	Dr.G.Kumersan (Anna University Chennai)	Heat and Mass Transfer	29.08.2015	III/V
6	Mr.M.Pradeep Kumar (Hyundai Motors)	Manufacturing Technology	22.08.2015	II/III
7	Dr.M.R.Saminathan (Anna University Chennai)	Engineering Thermodynamics	26.09.2015	II/III

SNAPSHOTS OF GUEST LECTURES ORGANIZED

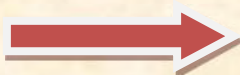
Mr. S. P. Venkatesh, TAFE, Chennai on “**Total Quality Management**” for IV year students on 04.07.2015.



Mr. Raghunathan, IITM., Chennai on “**Computer Aided Design**” for III year students on 03.07.2015



Dr.G. Kumerasen, CEG, Anna University on “**Heat and Mass Transfer**” to III Year Students on 29.08.2015.



Dr.M.R.Saminathan, CEG, Anna University on “**Engineering Thermodynamics**” to II Year Students on 26.09.2015.



INDUSTRIAL VISITS

	Industry Name	Date	Year/Sem/Section
1	Kamachi Industries,Gummidipoondi	30-06-2015	IV/VII/A & B
2	Chennai poles Ltd,Paruthipattu	18-08-2015	
3	Wheels India Ltd., Sriperambadur	16.07.2015	III/V/B
4		17.07.2015	III/V/A
5	ISRO - Sriharikotta	15.09.2015	III/V/A & B
6	Thejo Engg.Ltd,Alingivakkam	26-08-2015	II/III/A
7		27-08-2015	II/III/B
8		28-08-2015	II/III/C
9	Chennai Poles Pvt., Ltd.,	29.08.2015	II/III/A,B&C
10	NU Tech CNC Pvt., Ltd.,	29.08.2015	II/III/A,B&C

PAPER PUBLISHED BY FACULTY

- **Balasubramanian M, Ramesh S and Balasubramanian V “Diffusion Bonding of Titanium Alloy Ti-6Al-4V and AISI 304 Stainless Steel – An Experimental Investigation”,** Journal of Engineering Science and Technology, ISSN: 1823-4690, Vol. 10 issue 10, October 2015, pp.1342 – 1349.
- **Balasubramanian M, Kumar R, "Comparative study of Ti alloy and stainless steel friction welded joints with different interlayer process methods",** Journal of Applied Mechanics and Materials. ISSN: 1662-7482. Vol.766-767, June 2015, pp.739-744.
- **Balasubramanian M, Madhu S, "A review on Abrasive Jet Machining Process Parameters",** Journal of Applied Mechanics and Materials. ISSN: 1662-7482. Vol.766 -767, June 2015. pp. 629-634.
- **Balasubramanian M "Development of Processing Windows for Diffusion Bonding of Ti-6Al-4V Titanium Alloy and 304 Stainless Steel with Silver as an Intermediate layer",** 2015, Transactions of Non ferrous Metals Society of China, ISSN: 1003-6326, Vol.25, Issue 9, Sep. 2015, pp. 2932 - 2938 (Elsevier Publication).
- **Balasubramanian M. Kumar.R, “Application of Response Surface Methodology to Optimize Process Parameters in Friction Welding of Ti-6Al-4V and SS304L Rods”** Transactions of Non Ferrous Metals Society of China, ISSN: 1003-6326. Vol.25, Issue 11, Nov. 2015, pp. 3625-3633 (Elsevier Publication).
- **Balasubramanian M, “Prediction of Optimum Weld Pool Geometry of PCTIG Welded Titanium Alloy Using Statistical Design”** International Journal of Engineering Science and Technology, 2015, accepted for publication (Elsevier Publication).
- **Balasubramanian M, Jayabalakrishnan D, Prabhu P, Tamilselvam M, “An overview of the effect of process parameters, tool geometry and joint geometry in friction stir welding and friction stir processing”** International Journal of Applied Engineering Research, ISSN 1087—1090, Nov 2015, 10 (71), pp.448-455.
- **Balasubramanian M, Jayabalakrishnan D, Prabhu P, Tamilselvam M, Velmurugan N, “3D modeling, design and analysis of tire fixture used in tire building machine”** International Journal of Applied Engineering Research (IJAER), 2015, 10(71), pp.456-463.
- **Vinoth Kumar. K., “Tribological Behavior of Flyash Based Composites”,** International - Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.71 Nov. 2015, pp.130 -134.
- **Senthil Kumar .S “Review on Performance and Exhaust of EGR in CI engines”** International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10, No. 13 August 2015, pp. 33001-33005.
- **Senthil Gavaskar S., and Nirmal N., “Optimizing the Lead Time and Cost of Progressive Tool”,** IJSRD - International Journal for Scientific Research & Development, ISSN: 2321-0613. Vol. 3, Issue 04, July 2015, pp. 3382-3386.
- **Sivakumar E., “Performance and emission characteristics of a low heat rejection engine using Nerium biodiesel and its blends”** International Journal of Ambient Energy, ISSN 0143-0750 , Vol.77, July 2015, pp.1-8.
- **Hemadri Chadalavada., Samuel Raj D., Ashok Kumar R., and Sankar K., “Production Lead Time Reduction in a Battery Manufacturing Unit using Lean Manufacturing”,** International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 4 Issue 04, April-2015. pp.842 – 847.

PAPER PUBLISHED BY FACULTY Contd.

- **Vinoth Kumar .K** “Effect of Interfacial Friction on Formability of Aluminium 6063 Alloy” International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.49, July 2015, pp.630 – 636.

REVIEWER OF JOURNAL AND IN CONFERENCE

- **Dr.Balasubramanian M.**, Prof. and Head, is a Reviewer for the journal, Transactions of Nonferrous Metals Society of China (Elsevier) ISSN: 1003-6326.
- **Dr.Balasubramanian M.**, Prof and Head, is a Reviewer for the journal, Materials Design (Elsevier) ISSN: 0264-1275.
- **Dr.Balasubramanian M.**, Prof and Head, is a Reviewer for the journal, Materials Letters (Elsevier) ISSN: 0167-577X.
- **Dr.Devan P.K.**, Prof, is a Reviewer for the journal, – Bio fuels, Taylor & Francis ISSN: 1759-7269.
- **Dr.Devan P.K.**, Prof, is a Reviewer for the journal, Journal of Science and Technology Transactions of Mechanical Engineering, ISSN: 22286187.
- **Dr.Devan P.K.**, Prof is a Reviewer for the journal, Transportation Research Part D: Transport and Environment (Elsevier), ISSN: 1361-9209.
- **Dr.Devan P.K.**, Prof, is a Reviewer for the journal, Transportation Research Part D: Transport and Environment (Elsevier), ISSN: 0306-2619.

UNIVERSITY TOPPERS**STUDENTS WHO HAD 100 % ATTENDANCE****UP TO SEVENTH SEMESTER****(2014 –2018)BATCH**

STUDENT NAME	CGPA	PHOTO	Sl. No	STUDENT NAME	PHOTO
HEMANTH KUMAR R	9.059		1	DHARMARAJAN C	
BHARATH SAI KUMAR G K	8.882		2	DHENA DAYALAN K	
MANIVANNAN A	8.843		3	THANGADURAI V	
MURUGAPANDI D	8.765				
GAUTHAAM M G	8.745				

The Best Design and Fabrication Projects have been selected for the (2012)batch and the mementos were distributed in the Mechanical Engineering Association function (MEA) on 04.07.2015.

AWARD FOR BEST DESIGN AND FABRICATION PROJECT

S.NO	STUDENT NAME	PROJECT TITLE	S.NO	STUDENT NAME	PROJECT TITLE
1	V.Gopi Kumar K.M. Lokesh K.T. Lokesh	Pedal Powered Drilling Machine	4	R.Bibin R.Manikandan K.Shanthanreddy	Fabrication of Farm Cultivator
2	D.Lalithkumar K.Mohamedfurquan A.B.Murahasaiskrishna	Spur Gear Attachment In Radial Drilling Machine	5	N.Ranjith Kumar D.Selvaraj S.Vijai	Retrofitting of Internal Grinding Attachment In Lathe
3	R.Aakash Bussareddysumanthreddy P.Gopinath R.Mohankumar	Measurement of Thermal Expansion Coefficient Using Strain Gauge	6	R.Umashankar M.U.Varunritesh R.K.Vivek Vigneshwaran	Exhaust Gas Calorimeter
			7	S.Suresh V.Thangadurai Thummalalokesh	Emission Control By Chemister In Automobiles

BEST PROJECT AWARD (2010 - 2014 BATCH)

The best project for the final year students (2010 - 2014) batch was given to the following students on 03.01.2016 in College Alumni Meet held at Hotel JeyaPushpam ,Koyambaedu..

S.NO	STUDENT NAME	TITLE OF THE BEST PROJECT
1	Venkatasubramanian S Kesavamoorthy R Karthikeyan M S Kranthi Kumar V	PORTABLE BIO GAS DIGESTER

GRANT RECEIVED

Sl.No	Name of the Agency	Purpose	Principal Investigator	Grant Sanctioned
1	Ministry of New & Renewable Energy, Government of India	One Day Seminar in Renewable Conversion Technologies	Dr. M. Balasubramanian.	Rs.20,000

SPONSORSHIP FROM MANAGEMENT TO THE FACULTY

SL. NO	FACULTY	PROGRAMME	GRANT RECEIVED in Rupees	DATE
1	Dr. P. K. Devan	For filing of Patent	9,000	22.12.2015
2	Mr. Loganathan T.G.,	(ICAME-2015), University college of Engineering, (Paper Presentation) Villupuram.	2,500	15.10.2015 - 16.10.2015
3	Mrs.K.Renugadevi	To participate in the workshop Mechanics of composite materials and structures, MCMS (workshop at SRM University)	4,000	21.12.2015 - 22.12.2015.

DETAILS OF PLACEMENT TRAINING

Various Placement trainings were conducted for the benefit of students by the management from second year to final year students. The training details were given below.

Sl. No	Name of the Organization	Title of the Programme	Venue	Date/Period	Year
1	M/s. SMART Training Resources	Aptitude training	RMKCET	19.6.15 & 20.6.15	IV
2	M/s. Wipro Technologies Ltd	Pre-placement talk for PLM students	RMKEC	7.7.15	IV 52 students
3	M/s Cognizant Technology Solution	Evolve Workshop	RMKCET	8.7.15	IV
4	British Council Executives	BEC Vantage Training Programme	RMKCET	Slot 1: 1.7.15 To 3.7.15 (Mech-A) 4.7.15, 6.7.15 & 7.7.15 (Mech-B,C) Slot 2: 20.8.15 (Mech-A) 21.8.15 (Mech-B,C)	II
5	M/s. Ethunus	Campus Readiness programme	RMKCET	14.7.15 To 15.7.15 (Mech-A) 16.7.15 To 17.7.15 (MechB,C)	II
6	M/s. Ethunus	Campus Readiness programme	RMKCET	22.7.15 To 23.7.15 (Mech-A,B)	III
7	CET staff	Infosys campus connect	RMKCET	Daily 8 th hour	III 15 students
8	M/s. TATA Consultancy Services.	Campus commune road show for DE COE students	RMKEC	6.8.15	IV 5 students

PLACEMENT TRAINING DETAILS CONTINUED

9	M/s. Aspiring minds	AMCAT test	RMKCET	8.8.15	IV
10	M/s. Fresh desk	Company specific training	RMD	8.8.15	IV (6 students)
11	M/s. SMART Training Resources	Refresher training	RMKCET	12.8.15 & 14.8.15	IV
12	M/s. Infosys ltd.	Infosys readiness programme	RMKEC	13.8.15	IV
13	M/s. SMART Training Resources	Skill rack Mock Online test	RMKCET	13.8.15	II
14	M/s. SMART Training Resources	Skill rack Mock Online test	RMKCET	14.8.15	III
15	M/s. L&T InfoTech.	Overview & Recruitment readiness	RMDEC	19.8.15	IV (15students)
16	M/s. CTS	CCSP online exam	RMKCET	19.8.15	IV
17	M/s Infosys, Wipro	Pre-placement talk	RMKEC	20.8.15	IV
18	M/s. Wipro Technologies ltd	One day workshop on life skills	RMKEC	20.8.15	IV (16students)
19	M/s. CTS	Pre-placement talk	RMKEC	21.8.15	IV
20	M/s. Focus Academy for career Enhancement	Infosys mock online test	RMKCET	25.8.15	IV
21	M/s. Focus Academy for career Enhancement	CTS mock online test	RMKCET	26.8.15	IV
22	M/s. Focus Academy for career Enhancement	WIPRO mock online test	RMKCET	27.8.15	IV
23	M/s. Focus Academy for career Enhancement	WIPRO specific training	RMKCET	29.8.15 & 1.9.15	IV
24	M/s. Focus Academy for career Enhancement	INFOSYS specific training	RMKCET	6.9.15 & 7.9.15	IV
25	M/s. Focus Academy for career Enhancement	CTS specific training	RMKCET	11.9.15 & 12.9.15	IV
26	In - House	Java training for PLM students	RMKCET	29.8.15, 5/9/15 & 12/9/15	IV
27	M/s. Infosys ltd.	Infosys campus connect online exam	RMKCET	24.9.15	III
28	M/s. Inautix	Big data selection test	RMKCET	16.9.15	III
29	M/s. Wipro Technologies ltd.	Post offer connect internship & Wipro expectations.	RMKEC	12.10.15	IV (25students)

PAPER PRESENTED BY FACULTY IN INTERNATIONAL CONFERENCE

- **Balasubramanian M., Prabhu P., Jayabalakrishnan D., Tamilselvan M., Velmurugan N., "3D-Modeling, Design and Analysis of Tyre fixture used in Tyre Building Machine"** National Conference on "Applications of Rapid Prototyping Techniques in Bio-Materials" – ARTBM2015 Karpaga Vinayaga College of Engineering and Technology, 19th and 20th March 2015.
- **Balasubramanian M., "An over review of the effect of process parameters, tool geometry and joint geometry in Friction Stir Welding"**, National Conference on "Applications of Rapid Prototyping Techniques in Bio-Materials" – ARTBM2015, Karpaga Vinayaga College of Engineering and Technology, 19th and 20th March 2015.
- **Balasubramanian M, "Prediction of Reliability in Friction Welded Dissimilar Joints By Weibull Distribution"** "International Mechanical Engineering Congress and Exposition", IMECE 2015 held in Houston University, Texas, United States of America, 13th-19th Nov. 2015.
- **Dr.P.K.Devan and Ramakrishnan C "Experimental Study on the Performance and Emission Characteristics of Jojoba Oil Fueled DIC I Engine"** "International Conference on Advances in Mechanical Engineering" (ICAME-2015), University college of Engineering, Villupuram, 15th and 16th Oct.2015.
- **Loganathan T.G., "Assessment of Cyclic Load Induced Energy Dissipation and Damping on GFRP Composite laminate"**, "International Conference on Advances in Mechanical Engineering" (ICAME-2015), University college of Engineering, Villupuram, 15th and 16th Oct. 2015.
- **Senthil Kumar S., "Performance Analysis of Compression Ignition Engine using Rubber Seed oil Methyl Ester Blend with the Effect of various Injection Pressures"**, "International Conference on Advances in Mechanical Engineering" (ICAME-2015) at University college of Engineering, Villupuram – 15th and 16th Sep 2015.
- **Dillibabu V., "Overview of Fluidized Bed Combustion System"** "International Conference on Green Technologies for Environmental Pollution Control and Prevention"(ICGTEPC) conducted by National Institute of Technology (NIT), Tiruchirapalli on 27 -29 September 2015.
- **Renugadevi K "Characterization of Basic mechanical properties of twisted natural fiber Calotropis Procera"** "International conference on Materials, Design and Manufacturing Process" (ICMDM 2016) from 17.02.2015 -19.02.2015 conducted by College of Engineering Guindy, Anna University.

GUEST LECTURERS DELIVERED BY FACULTY

- **Mr.Senthil Gavaskar S.**, Associate Professor, delivered a Guest Lecture on “**Engineering Economics and Financial accounting**” and “**Total Quality Management**” for final year CSE students on 20-06-2015.
- **Mr.Senthil Gavaskar S.**, Associate Professor, delivered a Guest Lecture on “**ISO Standards**” for final year CSE students on 20-06-2015.
- **Mrs. Renugadevi K.**, Assistant.Professor, delivered a seminar on “**Job Vs Career**” in two days Refresher course on Academic excellence organized by RMK college of Engineering and Technology on 15-6-2015 and 16-06-2015.

INDUSTRIAL TRAINING UNDERWENT BY FACULTY

- Mr. Senthil Gavaskar S, Mr. Bibin C., Mr. Gopinath S. and Mr. Arunkumar S., underwent Industrial training at Hinduja Foundaries –Ennore from 15-10-2015 to 19-10-2015.



- Mr. Senthil Gavaskar S, Mr. Bibin C., Mr. Arunkumar S., Mr. Sadasivan N, Mr.Rajesh K.,Mr. Saravanan M. and Mr. Ashokkumar R., underwent Industrial training at Rane Brake Lining Ltd. on 27-11-2015.
- Mr. Senthil Gavaskar S, Mr. Bibin C., Mr. Loganathan T.G.,Mr.Gopinath S. and Mr. Ashokkumar R., underwent Industrial training at Excel Enterprises from 02-11-2015 to 06-11-2015.



- Mr. Senthil Gavaskar S., Mr. Loganathan T.G.,Mr.Senthilkumar S., Mr. Ashokkumar R., and underwent Industrial training at NUTECH CNC and AYYAN Engineering on 24-10-2015.

BOOK PUBLICATION

- **Mr.Senthil Gavaskar S.**, Asso.Prof, Published a book entitled “**Resilience Management**” for distance education students at Madras University in the month of April 2015.

STUDENT ACTIVITIES

- **Nagarajan J** of III year won **third prize** in Big Data – Student Convention -2015 SAE India Southern Section held at Vellore Institute of Technology between 18.09.2015 and 19.09.2015.
- **Ajay K, Dilip Kumar S** and **Avinash M** of III year participated in the contest ROBO WAR – DRESTEIN'15 from 14.09.2015. to 16.09.2015.
- **Abdul Wahaab S** of II year participated in IC Engine Workshop – NRC India held at Amalgam, IIT Madras from 22.08.2015 to 23.08.2015.
- **Manoj R , Nagarajan J** and **Prasanth T** of III year secured **First place** in the event Truss Master – CRANK-X'2015 held at SSN College of Engineering, Kalavakkam on 04.09.2015.
- **Arun S, Jayanth V C** and **Dilip Kumar S** of III year secured **Second place** in Paper presentation in Thermal Engineering CRANK-X'2015 held at SSN College of Engineering, Kalavakkam on 04.09.2015.
- **Prasanth T** and **Nagarajan J** of III year secured **Third Place** in Design contest – CRANK-X'2015 held at SSN College of Engineering, Kalavakkam on 04.09.2015.
- **Karthick A** of III year secured **Second Place** in Design contest – CRANK-X'2015 held at SSN College of Engineering, Kalavakkam on 04.09.2015.
- **Keshav Ram C T** and **Lokesh Kumar V M** of III year participated in Paper Presentation – Upagraha'15 held at Sri Venkateswara College of Engineering on 28.08.2015
- **Deepak.A** of III year won **Third prize** in the event CAD Modeling – Yantra2k15 held at Meenakshi Sundarajan Engineering College on 19.08.2015.
- **Manivannan A** of II year won **First prize** in Cover Page Design Competition for the annual Magazine – Radiance 2015 held at our college
- **R.Krishna Perumal** and **Lokesh Kumar V M** of III year participated in paper presentation - MEACON – 2015 held at Velammal Engineering College on 25.07.2015.
- **R.Krishna Perumal** of III year won **Second prize in** I-Blend event – INSIGNIA 2K15 held at Velammal Institute of Technology on 08.08.2015.
- **Nirmal Ram A S** of II year participated in the workshop Welding & Non Destructive Testing – FORNYA'5 held at Velammal Engineering College on 08.08.2015.
- **Lokesh Kumar V M** of III year participated in Paper Presentation – NAKSHATRA'15 held at S.A. Engineering College on 08.08.2015.
- **Surendhar V** of IV year participated in an event named Vehicles with intelligence Pitch my Idea System – CHANAKYA 2k 15 held at Velammal Institute of Technology on 21.03.2015
- **Surendhar V** and **Sandeep N** of IV year secured Second Place in Paper Presentation –Green Box THEODAMIC2K15 held at J.N.N. Institute of Engineering on 03.07.2015.
- **Arun R** of IV year scored 81/100 in German Language Course – START DEUTSCH 1 held at Goethe-Institute on 09.08.2015.

PUBLICATIONS BY STUDENTS IN NATIONAL / INTERNATIONAL JOURNALS

- **Vignesh A., and Vignesh S.** of final year Mech., “**Optimizing the Lead Time and Cost of Progressive Tool**”, IJSRD - International Journal for Scientific Research & Development, Vol. 3, Issue 04, July 2015 ISSN: 2321-0613.
- **Saiprashanth D.** “**Tribological Behavior of Flyash Based Composites**” International - Journal of Applied Engineering Research, ISSN: 0973-4562 Vol.10 No.71, 2015.
- **Mr.R.Krishna Perumal**, of III year, presented a paper titled a “**Tracking systems using RFID for monitoring the Motion and Location of Employee in the Company**” in National Conference ESAACS 2K15 on 2.09.2015 at VEL TECH HIGH TECH, Dr.Rangarajan, Dr.Sakunthala Engineering College, Avadi.

GOOGLE SELF DRIVING CAR

Google self-driving car is any in a range of autonomous cars, developed by Google X as part of its project to develop technology for mainly electric cars. The software installed in Google's cars is called Google Chauffeur. Lettering on the side of each car identifies it as a "self-driving car". The project was formerly led by Sebastian Thrun, former director of the Stanford Artificial Intelligence Laboratory and co-inventor of Google Street View. Thrun's team at Stanford created the robotic vehicle Stanley which won the 2005 DARPA Grand Challenge and its US\$2 million prize from the United States Department of Defense. The team developing the system consisted of 15 engineers working for Google, including Chris Urmson, Mike Montemerlo, and Anthony Levandowski who had worked on the DARPA Grand and Urban Challenges. Legislation has been passed in four U.S. states and Washington, D.C. allowing driverless cars. The state of Nevada passed a law on June 29, 2011, permitting the operation of autonomous cars in Nevada, after Google had been lobbying in that state for robotic car laws. The Nevada law went into effect on March 1, 2012, and the Nevada Department of Motor Vehicles issued the first license for an autonomous car in May 2012, to a Toyota Prius modified with Google's experimental driverless technology. In April 2012, Florida became the second state to allow the testing of autonomous cars on public roads, and California became the third when Governor Jerry Brown signed the bill into law at Google Headquarters in Mountain View. In December 2013, Michigan became the fourth state to allow testing of driverless cars on public roads. In July 2014, the city of Coeur d'Alene, Idaho adopted a robotics ordinance that includes provisions to allow for self-driving cars. In May 2014, Google presented a new concept for their driverless car that had neither a steering wheel nor pedals, and unveiled a fully functioning prototype in December of that year that they planned to test on San Francisco Bay Area roads beginning in 2015. Google plans to make these cars available to the public in 2020.

CAMPUS PLACEMENT AS ON 31.12.2015 (2012-2016Batch)**TRIPLE PLACEMENT**

S.NO.	NAME	COMPANY	PHOTO	S.NO	NAME	COMPANY	PHOTO
1	Arun R S	INFOSYS/ Wipro/ Cognizant		3	Velmurugan V	INFOSYS/ Wipro/ Cognizant	
2	Lalith Kumar D	INFOSYS/ Wipro/ Cognizant		4	Vinojh kumar R	INFOSYS/ Wipro/ Cognizant	

DUAL PLACEMENT

S.NO.	NAME	COMPANY	PHOTO	S.NO	NAME	COMPANY	PHOTO
5	Dhena Dayalan K	Wipro/ Cognizant		13	Prasanth G	Wipro/ Cognizant	
6	Dhinesh Kumar K	Wipro/ Cognizant		14	Sandeep N	Wipro/ Cognizant	
7	Dinesh Kumar L	Wipro/ Cognizant		15	Vignesh Ram S	Wipro/ Cognizant	

SINGLE PLACEMENT

8	Eswar Prasad P	INFOSYS/ Wipro					
9	Gowtham R	Wipro/ Cognizant		16	Dharmarajan.C	Wipro_PLM	
10	Murahari Saai Krishna L	INFOSYS/ Cognizant		17	Dhilip C.K	Wipro_PLM	
11	Murali manohar V	INFOSYS/ Cognizant		18	Dhiwakar K	Wipro_PLM	
12	Nishanth V	INFOSYS/ Wipro		19	Dinesh K	Wipro_PLM	

SINGLE PLACEMENT Contd.

S.NO.	NAME	COMPANY	PHOTO	S.NO	NAME	COMPANY	PHOTO
20	Gopi Kumar V	Wipro_PLM		32	Vinoth B	INATIX- INTERNSHIP/ General	
21	Harsha Vardhan R	Wipro_PLM		33	Aakash R	Cognizant	
22	Karthick Kumar K	Wipro_PLM		34	Aravindh Metha S	INFOSYS	
23	Karthik Vigneshwaran M	Wipro_PLM		35	Barath M	Cognizant	
24	Mahesh Kumar M	Wipro_PLM		36	Bibin R	Cognizant	
25	Mohamed Imthiyaz Hussain I	Wipro_PLM		37	Deepak R	Wipro	
26	Sabdhar M	Wipro_PLM		38	Gopinath P	Wipro	
27	Surendhar V	Wipro_PLM		39	Karthik S	Wipro	
28	Umashankar R	Wipro_PLM		40	Karthikeyan K	Cognizant	
29	Venkat Sravanth Kumar P	Wipro_PLM		41	Prithviraj B	INFOSYS	
30	Yuvaraj G	Wipro_PLM		42	Rajasekar K	INFOSYS	
31	Arun R	INATIX- INTERNSHIP/ General		43	Rathiesh A	Wipro	

SINGLE PLACEMENT Contd.

S.NO.	NAME	COMPANY	PHOTO	S.NO	NAME	COMPANY	PHOTO
44	Sairam S	Cognizant		50	Vimal Raj R	Wipro	
45	Sanjay A	Wipro		51	Wajakath Hussain A	Cognizant	
46	Sidharth R	INFOSYS		52	Balaganesh S	Cognizant	
47	Srinath G	Wipro		53	Prabhu N	Wipro	
48	Varun Ritesh .M	INFOSYS		54	Vasanth Kumar	Tech Mahindra	
49	Vigneshwaran S	INFOSYS		55	Naveen Raj P	UST Global Solutions	

AUDI - E - BIKE

German automaker Audi made its first big splash into the E-bike world, made an exciting lightweight prototype electric stunt bike that may be among the most ambitious projects introduced in this space to date. technically it is a concept bike but from the looks of it a radically ground breaking one. The Audi E-bike is based on custom carbon fiber wheels and a full-suspension carbon fiber frame; even the front suspension forks are custom designed for this bike. The key element to the Audi drive system designed by Clean Mobile, that it keeps the motor weight in the center of the frame and most importantly allows the power to be driven through the bicycles gear system.



SPORTS COLUMN

PARTICIPATION

- Kulasekar.I, Tahngadurai .V,Senthil Kumar.K, Thiyagarajan .C.N, Krishnakumar.P of final year Ayyappan..S.K, Vedagiri .S, Thirugnanam.E of Third year and Arun Kumar.G,Hari Baskar.M of second year participated in Kabaddi Tournament at Jaya Engineering College on 25.08.2015 and 26.08.2015.
- K. Dinesh Kumar, R. Manikandan of final year, D. Mukesh, S. Sivanandam, Venkatesh Naveen of third year participated in cricket tournament at Magna Engineering College from 02.09.2015 to 07.09.2015
- Sivaneshwaran S of second year participated in Basketball Tournament at S.A. Engineering College on 11.09.2015.
- Dinesh Kumar. K, Madhan Kumar. D of final year Mech. Vivyn M.J of third year, Arun Kumar.G,Ranjith .G, Atherya .J.S of second year participated in Hand Ball Tournament at St.Peter's Engineering College from 22.09.2015 to 23.09.2015 .
- Madhan Kumar .D of final year Suresh. M, Cherith . K of second year participated in Badminton Tournament at Velammal Engineering College on 13.08.2015 -14.08.2015
- Soundaravel.P of second year, Vivyn M.J and Sabin Raj. R of third year participated in Table Tennis at Vel Tech High Tech Engineering College from 10.08.2015 to 11.08.2015.

WINNERS

- Vivyn. M.J, Ranjith .B.C, Sabin Raj. R and Arul Kumar P of third year Mech. won the tennis championship at S.A. Engineering College on 11.09.2015 and 12.09.2015.
- Vinoth Kumar. R, Nandha Kumar. S of final year Mech., Sarath Kumar. N, Vivyn M.J_Sabin raj. R, Vinoth Kumar. B, of third year Mech.won ball badminton championship at G.R.Y Engineering College on 08.09.2015 and 09.09.2015.



METAL GLUE

Metal Glue is a product Designed by a team from Northeastern University (Boston) used to join two metals together. This glue can work for just about all kinds of solids - polymers, ceramics, metals, and any composites and it sets at room temperature. This metal glue is made up of microscopic nano rods that have a metallic core. Some of them are coated with indium, and some with gallium. First, the facing surfaces of 2 objects-to-be-joined are treated with these nano rods. A layer of the indium-coated rods goes on one surface, while a layer of the gallium-coated rods is applied to the other. In both cases, the rods stand up from the surface, like the bristles of hairbrush.

LIST OF UNIVERSITY RANK HOLDERS (BATCH 2011 –2015)

The following are the 9 students who secured university ranks

Sl. No	NAME OF THE STUDENT	CGPA	RANK	Sl. No	NAME OF THE STUDENT	CGPA	RANK
1.	 NAVEENKUMAR K S	9.22	7	6.	 SARAVANA S	8.79	43
2.	 PAVITHRESH S V	8.97	25	7.	 SATHEESH K	8.78	44
3.	 SAI KRISHNA N	8.95	27	8.	 SURYA PRAKASH M	8.78	44
4.	 ESWAR KUMAR K H	8.95	27	9.	 ELAVARASAN T	8.73	49
5.	 GANESH K	8.83	39				

EDITORIAL BOARD

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Mrs.Renugadevi.K, Asst. Professor-II

Mr.Arun.R, IV YEAR, Student President

Mr.Manivannan.A, II YEAR, Student Treasurer