

MECHNOVA

AUGUST 2015

Department of Mechanical Engineering

Newsletter Volume-3 Issue -4



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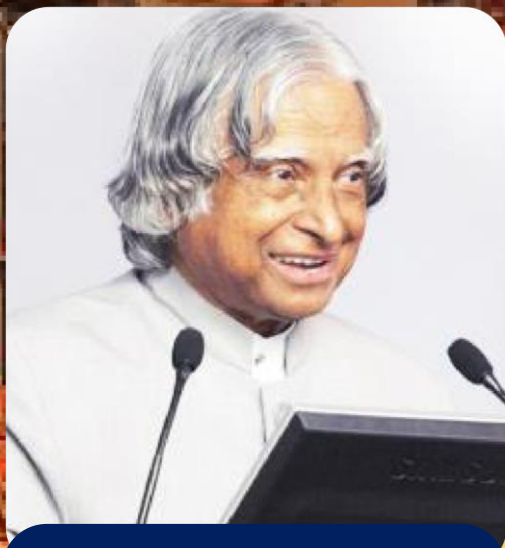
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HOD's Desk

It is sad to note that one of the foremost technocrat and erstwhile President of India Dr APJ Abdul Kalam passed away. I had an opportunity to see his working when I was posted to DRDL, Hyderabad in 1996.. He was SA to RM and DG of DRDO. He used to visit DRDL and I attended some of his meeting related Prithvi-I development trails. A great team leader, he walked the talk and inspired his team of scientists to achieve more. Let us all work hard and contribute to achieve his "vision of India 2020"

Cdr Raju K Kuriakose (retd)

HOD



"Ignited mind of the Youth is the most powerful resource on the earth, above the earth and under the earth"

Dr. APJ

PTA MEETINGS (22nd June 2015)



PTA meeting of S3 ME-A&B was conducted on 22nd July at Valiyamattam hall and witnessed a huge gathering of parents and guardian. The meeting was successful and some innovative decisions have been taken for improving the academic qualities of the students.

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ME Dept

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SAE Desk: Aero modelling Workshop (29th June 2015)



SAE VJEC conducted one day aeromodelling work shop for the members. This is a Workshop which is best suited to beginners who are taking their first step towards Aero Modelling. It basically deals with designing various kinds of electronic sensors, motors and Controlling circuits and their use in making Aero Modelling.

BID ADIEU TO ANEES SIR (31st July 2015)



The person with roaring words and traditional background of teaching, himself proved as an in-bone talented teacher was enriched our evergreen department since 2010. For a time being he has to leave us, so at this auspicious moments the department would like to express our sincere thanks to our Anees Sir and wishing all success in his carrier as well as his personal life.

PUBLICATIONS

1. Sreejith ,M., S.P.Sivapirakasam, P. Bineesh and K.K. Satpathy (2014) Strategies for Controlling Welding Fumes at the Source - A Review, Applied Mechanics and Materials Vols., 592-594, 2539-2545.
2. Sreejith, M., S.P. Sivapirakasam, M.C. Santhosh Kumar and M. Surianarayanan (2015) Welding fumes reduction by coating of nano-TiO₂ on electrodes, Journal of Materials Processing Technology, 219, 237– 247.
3. Sreejith, M., S.P. Sivapirakasam, M.C. Santhosh Kumar and M. Surianarayanan (2015) Application of

Taguchi Method in the Optimization of Process Parameters for a Sol - Gel Derived Nano Alumina Film, Proc IMechE Part L: Journal of Materials – Design and Applications, (Accepted: In Press, doi: 10.1177/1464420715581867).

4. Sivapirakasam, S.P., M. Sreejith, M.C. Santhosh Kumar and M. Surianarayanan, Investigation on the Influence of Nano Alumina Coating of Electrode on Welding Fumes, Journal of Cleaner Production (Accepted: in press).
5. Sivapirakasam, S.P., M. Sreejith, M.C. Santhosh Kumar, P. Ashley and M. Surianarayanan, Control of Exposure to Hexavalent Chromium in Shielded Metal Arc Welding by Nano-Coating of Electrodes, Inhalation Toxicology (Under Review).
6. Sivapirakasam, S.P., M. Sreejith, M.C. Santhosh Kumar and M. Surianarayanan, A semi-empirical model of fume formation from shielded metal arc welding process, Welding in the World (Under Review). International Conferences
7. Sivapirakasam, S.P., M. Sreejith, K.R. Balasubramanian and M. Surianarayanan, Respirable Fume Analysis During The Flux Cored Arc Welding Of SS316L (N) Austenitic Stainless Steel, International Conference on Advance Research in Mechanical , Aeronautical and Civil, Sep 7, 2013, Pattaya, Thailand.
8. Paper titled as “Thermal Design of a Thermo-Electrically Cooled Hermetically Sealed Electronics Packaging Unit” has been selected for International conference under the auspices of ISHMT cosponsored by ASTFE (AMERICAN SOCIETY OF THERMAL AND FLUID ENGINEERS) and ICHMT hosted by
ISRO

Our New Faces



Mr. SREEJITH MOHAN

He graduated in Mechanical Engineering from LBS Engineering College, Kasaragod and obtained his Master's Degree in Machine Design from CET. He worked as an Assistant Professor at SCMS Engineering College, Angamaly, from August 2011 to January 2012. Thereafter, he was admitted for Ph.D. degree at National Institute of Technology, Tiruchirappalli. During the three and a half years of research experience at NIT, Trichy, he has published four peer-reviewed international journals. His areas of interests include, welding, occupational safety and health, emission analysis, mathematical modeling and vibration analysis.



Mr. DIVESH KUMAR C

He has completed B.tech in Mechanical engg from TKM College of engg, Kollam and MTech from National institute of technology, Tiruchirappalli. He has 2 years' work experience in Mechanical construction field.



Mr. RAHUL

He has completed B.tech in Mechanical Engg from SCMS School of Engineering and technology Cochin, and M.tech from Govt. Model Engg College Thrikkakara CUSAT.

Mr. LINCE THOMAS

He has completed B.tech in Mechanical engg from VJEC and Mtech from Govt model Engineering college Ernakulam, He is 1st rank holder in CUSAT. He owns two publications in International Journals



Mr. SHAMINMUTH K K

He has completed his B-Tech in Mechanical Engg. From Govt. Engineering College Kannur. He holds a post-graduation in Environmental Engineering from National Institute of Technology Tiruchirappalli Tamilnadu. Area of interest: Sustainable deigns, E-Waste management, Impact assessment.



Mr. JITHINMON T V

He has completed B. Tech Mechanical Engineering from Govt. Engineering College, Kozhikode and M.Tech Welding Engineering from NIT Trichy.



Mr. HARI PRASADM K

He has completed his diploma in Mechanical Engg. From GPTC Kasaragod and B-Tech in Mechanical-Production Engg. From VAST Thrissur. He holds a Post-Graduation in Tool Design from Central Institute of Tool Design Hyderabad. His areas of interest are Rapid proto typing and Non-conventional machining.

 Mr. Mejo Francis
 Mr. Ridhin Raj