TOPICS TO BE COVERED

- Introduction to Welding and its allied processes
- Welding Metallurgy
- Eco Friendly Welding Technologies
- Evaluation of weldments by NDT
- Ultrasound and Radiography in weldment inspection
- Practical Demos

WHO SHOULD ATTEND?
Faculty Members and Research scholars of Engineering Colleges, UG and PG students and young engineers from industries are encouraged to attend this programme.

CHIEF PATRON
Dr. M. Rajaram, Vice Chancellor, Anna University, Chennai

PATRONS
Dr. S. Ganesan, Registrar, Anna University, Chennai
Dr. P. Narayanasamy, Dean, CEG, AU, Chennai

CONVENORS
1. Dr. L. Karunamoorthy, Prof. & Chairman, FME.
2. Dr. B. Mohan, Prof. & Head, DME.

CO-ORDINATOR
Dr. J. Sudha, Asst., Prof, Dept. of Mech. Engg

ADVISORY COMMITTEE
Dr. S. Sampathkumar, Prof., DME.
Dr. S. Rajendra Boopathy, Prof., DME.
Dr. S. Senthilkumaran, Asso. Prof. & Head, CWS

ORGANISING COMMITTEE
Dr. S. Balasivanandha Prabhu, Asso. Prof., Dept. of Mech. Engg
Dr. V. S. Senthilkumar, Asso. Prof., Dept. of Mech. Engg
Dr. M. Pradeep Kumar, Asso. Prof., Dept. of Mech. Engg
Mr. K. Thirumavalavan, Asst. Prof. (SG), Dept. of Mech. Engg
Dr. D. Sangeetha, Asst. Prof. (SG), Dept. of Mech. Engg
Dr. J. Prasanna, Asst. Prof. (SG), Dept. of Mech. Engg
Mr. D. Samuelraj, Asso. Prof., Dept. of Mech. Engg
Mrs. S. Kalamagal, Asso. Prof., Dept. of Mech. Engg
Dr. P. Susila, Asso. Prof., Dept. of Mech. Engg
Mr. Nallathambi Kandasamy, VF, Dept. Of Mech. Engg
Mr. Vinodh kumar, TF, Dept. of Mech. Engg

Two days Workshop on Trends in Non-Destructive Evaluation of Weldments
9th - 10th March 2015

Organised by
Department of Mechanical Engineering
College of Engineering, Guindy, Anna University
Chennai-600025
About The Department

The Mechanical Engineering Department in Anna University (CEG) - started in the year 1895 provides excellent learning and research opportunities for under Graduate, Post Graduate and Research Students.

The Department has various divisions namely Engineering Design (ED), Internal Combustion Engineering (ICE), Institute of Energy Studies (IES), Refrigeration and Air-Conditioning (R&AC) and Central Workshop (CWS). Supported by the well qualified and experienced faculty members, the Department is actively engaged in executing R&D & consulting projects for many reputed industries.

The Department of Mechanical Engineering is fully equipped with state -of the-art experimental and computational facilities in the field of Product Design and Analysis. The Department of Mechanical Engineering has also received research projects funded by DST, UGC, MNRE, AICTE and other agencies.

About the Workshop

This workshop will provide an opportunity to learn and appreciate the application of the Non Destructive testing (NDT) and metallography in failure analysis. Young engineers from industries and faculty members and scholars from engineering colleges would be benefited by attending this workshop.

Failure analysis is an important discipline in many branches of manufacturing industry, where it forms a vital tool for the improvement of existing products, also in the development of new products and enhancing the performance of products/components in service.

It is the process of collecting and analyzing data to determine the cause of a failure of the component-be it an engineering component viz. pressure vessel or storage tank or simply an Integrated circuit chip.

It relies on collecting data from the failed components for subsequent identification of the cause or causes of failure using a wide array of methods, especially NDT, insitu-metallography, Surface Replication & SEM fractography.

The choice of different methods depends on the usefulness of the technique and the resolution to which the information is sought. The NDT and in-situ metallography are quite valuable because the failed products are unaffected by the analysis and hence the investigation for root cause analysis for failures always starts with using these methods. It is in this direction the lectures will be focused which will bring out the state of the art methods and highlight when and where different NDT methods and metallography can be used proper.

Resource Persons:

Experts having varied and rich experience in the field of welding and NDT from organisations and institutions like ISNT, IITs, IGCAR, and Anna University will be invited as speakers to enlighten the workshop.

Two days workshop

On

Trends in Non-Destructive Evaluation of Weldments

9th - 10th March, 2014

Name (Mr/Mrs/Dr/Prof.): ...........................................
Educational Qualification:.................................
Designation:...................................................
Department:..................................................
Experience:................................................
Mailing address:...........................................
Mobile:....................................................
E-mail:.....................................................
Date: _/_/_/_ Signature:...............................

Recommendation of the authority

Last date for registration: 2nd March 2015