



Methodist College of Engineering & Technology

(Affiliated to Osmania University – College code 1607)

King Koti Road, Abids, Hyderabad – 500 001. India

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Report on One day workshop on “Recent Advances in Welding” RAW 2019

On 22nd August , Dr. K. Thyagarajan, Chairman, Indian Welding Society (IWS), Hyderabad centre has inaugurated the IWS student forum and one day workshop on “Recent Advances in Welding” RAW 2019, at Methodist College of Engineering & Technology, King Koti Road, Abids, Hyderabad – 500 001. The one day workshop was coordinated by Dr. P.Prabhuraj., Associate Professor and convened by, Dr. A. Rajasekar, Head, and Department of Mechanical Engineering. The workshop was included four sessions which is delivered by invited expert.

Session IV : 2.45.00 pm to 03.45pm

Topic : Application of friction stir welding in defense materials.

Delivered by: Dr. G. Madhusudhan Reddy, Outstanding Scientist, Associate Director, DMRL, DRDO, and Hyderabad.

Dr. G. Madhusudhan Reddy motivated the students to do research in the field of solid state fabrication process such as Friction stir welding, resistance welding and Thermit welding process. During his lecture he has mentioned the importance of friction stir welding in fabrication industries are mentioned below.

- Friction stir welding is a solid state joining process where the joint occurs below the melting point of the base metal. Recently, not only soft materials but also high melting materials have been given an attention in FSW research activities.
- There are many studies on high melting materials such as steel, titanium, and inconel. There are different parameters which contribute to the joint quality.
- Many researchers have studied on the traverse and rotational speeds as the main process parameters in order to obtain optimum weld quality. Tool geometry is another important parameter that has an influence on the weld quality.



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**Certificate Distribution by Dr. G.
Madhusudhan Reddy**



RAW 2019 participants