



Methodist College of Engineering & Technology

(Affiliated to Osmania University – College code 1607)

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

Ph: 040 – 24755999 www.methodist.edu.in

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 I: 11.00 am to 12.00pm

Topic : importance of advanced welding technologies in structural industry

Delivered by: Dr. K. Thyagarajan, Chairman, Indian Welding Society (IWS), Hyderabad centre .

During the key note 1 address Dr. K. Thyagarajan, Chairman, Indian Welding Society (IWS), Hyderabad centre highlight the importance of advanced welding technologies in structural industry. During his lecture he has pin point the importance of welding and classification welding techniques are mentioned below.

- Welding is a fabrication process that joins materials, usually metals or thermoplastics, by causing coalescence.
- This is often done by melting the work pieces and adding a filler material to form a pool of molten material (the weld pool) that cools to become a strong joint, with pressure sometimes used in conjunction with heat, or by itself, to produce the weld.



Methodist College of Engineering & Technology

(Affiliated to Osmania University – College code 1607)

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

Ph: 040 – 24755999 www.methodist.edu.in

- Welding is used in every industry large or small, as a principle means of fabrication and repairing metal product. The process is efficient, economical and dependable.
- This is the only process which has been tried in the space and finds applications for fabricating products in air, underwater and in space Classification of welding process.
- There are many ways in which the welding processes can be classified. A simple and logical way is to satisfy the welding processes according to the sources of energy used for achieving coalescence. The welding processes can thus be broadly classified as; (a) Fusion welding (b) Pressure welding (c) Thermo chemical welding



Dr. K. Thyagarajan, Chairman, Indian Welding Society (IWS) inaugurated the workshop



Releasing the student membership card