



# 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 22<sup>nd</sup> 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 III** : 1.45.00 pm to 02.45pm

**Topic** : Recent Advances in Welding.

**Delivered by** : Mr. K. Nagi Reddy, Director, V. J. Marcons Pvt. Ltd. Hyderabad

Shri.Nagi Reddy inspired the students regarding the personality qualities. He has discussed about application of underwater welding in marine components.

- Underwater welding is divided into two main types, wet and dry. Wet welding It is carried out directly at ambient water pressure with the welder/diver in the water using water-proof stick electrode and without any physical barrier between water and welding arc.
- Special precaution should be taken to produce underwater arc to protect it from surrounding water.
- Dry welding Dry welding in underwater may be achieved by several ways.
- Dry Welding at ambient water pressure in a large chamber from which water has been displaced, in an atmosphere such that the welder/diver does not work in diving gear. This technique may be addressed as dry habitat welding.



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- Dry welding at one atmosphere Welding at a pressure vessel in which the pressure is maintained at approximately one atmosphere regardless of outside ambient water pressure.



Delivering expert lecture by Mr. Nagi reddy



Interaction session