



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

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ME018**NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**workshop**

Event No	ME018
Organizing Department	Mechanical Engineering
Associate Dept. NSC	Indian Welding Society Professional Societies and Clubs
Date	05/03/2022
Event Type	Workshop
Event Level	National
Venue	Thanam hall
Total Participants	149
Faculty - Internal	3
Faculty - External	6
Students - Internal	105
Students - External	35

Outcome

3 Expert sessions and 1 MoU signing with Indian welding society

Event Summary

A one-day National level workshop on Advances in welding and Wire arc additive manufacturing is organized by the Department of Mechanical Engineering jointly with the Indian Welding Society on 5th March 2022. The main objective of the workshop is to enlighten the advances in different welding processes and also provide fundamental knowledge about the wire arc additive manufacturing process. The Registration process begins at 8.45 am and 147 participants are present for this workshop, which includes 42 external participants. The workshop was inaugurated by Dr.S.Ramesh Babu, Head of the Department of Mechanical Engineering, KPR Institute of Engineering and Technology. The technical sessions started at 9.45 a.m. and three technical lectures were delivered by eminent experts in the field of welding. Dr.N.Raju Hon. Zonal Secretary-IWS, Welding Research Institute, BHEL, Tiruchirapalli, presented the fundamentals of various welding processes, as well as their variants and applications in reality. He excellently contrasted the differences between welding processes. The second session began at 11 a.m., following the tea break. Dr.B.Shanmugarajan, Deputy General Manager, Welding Research Institute, BHEL, Tiruchirapalli discussed need for advanced welding processes such as electron beam welding and laser welding. He also went over the fundamentals of the wire arc additive manufacturing process. The third session started after lunch break at 2.00 pm. Dr.N.Murugan, Professor, Department of Robotics and Automation Engineering, PSG College of Technology, Coimbatore, gave a lecture on the research perspective of wire arc additive manufacturing. He discussed the impact of process parameters and defects created during wire arc additive manufacturing. He also described the metallurgical changes that took place during the process. This workshop was very informative for all participants.

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