



2022

Robotic Welding Technology

A 5-day program on prediction of weld bead geometry, welding parameters, production design and management

Abdul Ghalib Tham

The **Robotic Welding Technology** course is 5-day program, 50% lecture on prediction of weld bead geometry and welding parameters and 50% production design and management. Participants will be shown the procedure of developing the exact weld geometry and selection of correct welding parameters before welding starts. Models of production jigs and fixtures will be designed for mass production to cater for manufacturing of multiple welded samples by robotic technology. Production management and quality management will part of training course. The program will prepare the candidate to be entrepreneur which does not rely of human skill.

Objectives

- To apply sustainable robotic technology and replace the dependence of manual skill
- To predict the bead geometry and welding parameter accurately before welding.
- To apply GMAW, FCAW, GTAW and SAW in robotic welding production
- To manage quality welding production by Robot technology.

Course Contents

- Quality welding requirement by codes
- Welding joint design, preparation, cleanliness and shielding
- Economics of robotic welding production
- Welding defects in robotic welding—inspection, causes and prevention
- Robotic technology, programming and control
- Welding Processes selected for robotic production—arc/non arc welding
- Prediction of welding bead geometry
- Prediction of welding parameter
- Application of bead geometry and welding parameter prediction
- Design and model of set-up, jigs and fixture for robotic production
- Management of quality robotic production



Certificate of Participation will be issued to all participants

Duration - 5 Days **Language** - English

Who Should Attend

This course is suitable for all Welders, Supervisors, Coordinators, Instructors and Engineers with interest in welding production and fabrication.

Dates: 21-25 Feb, 20-24 Jun, 17-21 Oct 2022

Venue: TBA

Fee: RM3799 per pax

- Early bird* – RM3499
- Registration with 3 participants – RM3499
- Early bird* for registration with 3 participants – RM3459
- *Early bird = registration with payment 2 weeks before course



SWEC Code 18111500S - Safety, Survival & Specialised Skills Training & Consultancy



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ABDUL GHALIB THAM

Tn Hj Abdul Ghalib Tham has more than 40 years' experience in the Welding Industry. This includes welding production and consultation in the private welding sector. He is a regular and sought-after trainer who has been training and lecturing in the related field at Public Universities and Institutions.

A person with in-depth knowledge, skill and experience in both practical and the theory of welding, Ghalib has held several key positions in research and development at public research institutions. He has published several academic and industry papers in journals. He has also served in the Welding Committee for several years as well as being a Council Member of the Institute of Materials Malaysia (IMM).

REGISTRATION FORM

Please send the completed form to admin@jotac.com.my or WhatsApp no.: (011) 6356.0336. Thank you.

Name of Course: _____ Date of Course: _____

Name/s of Participant: 1. _____ 2. _____

3. _____ 4. _____

Name of Company: _____ Location: _____

Email Address: _____ Mobile No: _____

PAYMENT DETAILS

Please make payment to **JOTAC ACADEMY SDN BHD**

Bank: Maybank

Account No.: 5127-1811-6603

Please email or WhatsApp a copy of the remittance slip for our record. Thank you.