

A One-Day Hands-On Cutting and Welding Technology Awareness Workshop Training for Curtin-IMM Student Chapter Members



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Venue: Senadin Industrial Estate, Miri



Figure 1: Group photo with all student participants and AMW management team

On 26th April 2018, a group of 13 undergraduate engineering students from Curtin-IMM Student Chapter participated in a one day “Hands-On Cutting and Welding Technology Awareness Workshop Training” that was conducted by Advanced Metallurgy and Welding (AMW) Technology Sdn Bhd in Senadin Industrial Estate in Miri.

The workshop was basically divided into two sessions, with one session in the morning and another session in the afternoon. The participants who are Curtin-IMM Student Chapter were picked up from the Curtin bus stop at 8.30 a.m. and arrived at AMW at 9.00 a.m. The morning session was started by welcoming the Curtin students to AMW management team by introducing the AMW staff to our student members, a health and safety (HSE) briefing and introduction of the background of AMW by an AMW Senior Engineer, Mr. CT Chang. Then, it was then followed with an hour sharing session on welding technology awareness that was conducted by Ir. Dr. Edwin Jong Nyon Tchan who is the AMW executive director. During the lecture, Ir. Dr. Edwin clearly explained the importance, essence and applications of welding technology as well as ways to prevent the various types of welding defects. This session has also prepared all of us on why and how to get started during the hands-on practices. The morning session was finally completed with a technical tour to witness all welding fabrication activities around AMW training workshop until 12.00 pm.



Figure 3: Welding Lecture by Ir Dr Edwin Jong, AMW Executive Director



Figure 4: Technical Tour to witness all welding fabrication activities around AMW training workshop

The afternoon session started immediately after the lunch break at 1.00pm. The IMM Student Chapter Members/ participants were guided by the certified welder trainer, Ibas, and five (5) welder trainees of AMW during their hands-on experiences of cutting of the test samples using the semi-automatic oxy-acetylene cutter and welding of the test samples by using shielded metal arc welding (SMAW) process.



Figure 5: Participants performing oxy-cutting and SMAW process under the guidance from AMW technical staff



Figure 6: Result of some of the participants' cutting and welding of test samples

After the hands-on activities, the one-day hands-on programme was completed with the ceremony of handing over of participation certificates to all participants and giving away of our appreciation to AMW management for their willingness to allocate valuable time and training facilities. During the ceremony, each participant received a “Certificate of Participation” from AMW management. AMW management was given a gift as a token of appreciation from Curtin-IMM Student Chapter. The hands-on training ended at 4.00pm with a photo-taking session.



Figure 7: Handing over of certificates and appreciation gift

In conclusion, the workshop has really provided all Curtin-IMM student members with greater awareness and deeper understanding on welding technology. The Curtin-IMM Student Chapter committee would like to sincerely thank AMW Management for their effort and time in educating students on welding technology.