

COMMUNITY ENGAGEMENT 2018
Mechanical Engineering
Gokongwei College of Engineering

The DLSU-GCOE Mechanical Engineering Department in cooperation with Office of the Barangay Chairman Barangay 708 Zone 78 District 5 of the City of Manila conducted a welding seminar in continuation of last year's effort of engaging our neighbouring community in skills program for future employment in manufacturing particularly as welders. The venue of the said seminar is M113 for the Lecture and the Welding and Foundry Shop for the hands-on component.

The 2-Day Seminar composed both lecture and practical. The lecture component discussed the welding profession, welding safety, and types of welding. Informal discussions also touched on the area of specialized welding.

In the welding profession, it was discussed that the demand of welders both domestic and abroad are enormous particularly in the Shipbuilding and Oil & Gas industries. It was also discussed the necessary certifications to be accepted as welding professionals: TESDA NC1 & NC2 Levels of competency. There are free programs for interested individuals in accredited institutes and special privileges for women to gain entry into the profession.

In welding safety, it was discussed the necessary precautions prior to welding such as the welding attire, electrical components, and effects of inhalation of fumes to both lungs and eyes. It was also discussed the proper shades of welding goggles and the effects of inadequate shading.

In types of welding, the most basic welding method (Shielded Metal Arc Welding) or SMAW or stick welding was thoroughly discussed from the electrode & flux to the shielding gas & slag. Aside for PowerPoint presentation, the participants was also made to watch a video on proper welding position, identify weld points, and avoid weld faults. Others types of welding that was discussed a bit were: Gas Metal Arc Welding (GMAW), Metal Inert Gas (MIG), Tungsten Inert Gas (TIG), and Oxyacetylene Welding.

The participants of the seminar are residents of Barangay 708 Zone 78 in which the expected list of attendees were 18. However, due to water shortages all over Metro Manila during that time, only 5 were able to join. It was very unfortunate because the ration of water supplied by Maynilad arrived at the eve of August 17, 12MN to 2AM. Hence, most of the expected participants were too tired to even attend the lecture. We still encourage the absentees to at least join Day 2 as for them to gain practical experience, but they were already ashamed to even see us.

Here are the pictures of the event.







Here are the following duties of faculty and staff:

1. Engr. Byron Michael C. Omboy – Overall Facilitator
2. Engr. Jeremias Gonzaga – Lecturer
3. Engr. Arvin Fernando – Documentation
4. Dr. Archie Maglaya – Motivational Speaker
5. Mr. Ricardo Aldanese and Mr. Fernando Barros – Trainer
6. Mr. Raymond De Ocampo, Mr. Melvin Favila, and Mr. Romeo Cruz – Miscellaneous