

Internship at the Industrial Electronics Department

Every semester **GMI** gives two students from Germany the chance to carry out their 6 months **Praxissemester**, as GMI is a centre for German technology following “learning by doing”. Students are welcomed at the Department of **Industrial Electronics** in the sections of

- Information & Mechatronics Technology
- Process Instrumentation & Control

Who we are searching for:

Preferably we are looking for students from

- Elektrotechnik/Elektronik
- Mechatronik
- Automatisierungstechnik

who are fluent in English, able to work in teams, communicative, independent working and interested in the cultural experience.

What we offer:

You will have the chance to utilise your knowledge in an industrial based environment by joining the Final Year Project of our Diploma students. Practical students have free accommodation on campus and receive a monthly compensation of RM500.



Sections in which you can do your internship

Automation and Mechatronics Technology Section

The Mechatronics Diploma Programme at GMI focuses on the integration of physical system with information technology and complex decision making in the design, manufacture and operation industrial products and processes. The core courses included in this programme are Programmable Logic Controllers (PLC), sensors, controls, automation, machine assembly, robotics and computer integrated manufacturing. Among the tasks for the practical students is the support of our section operation especially in technical support pertaining to training equipment technical support for the following scope of work:

- Installation and Commissioning
- Maintenance and Troubleshooting
- Innovation for Training Delivery
- Research and Development

and the students final year project implementation (please refer to the description “Final Year Projects”). Along your practical semester with us, our experienced staff will always provide professional guidance and support to ensure learning in the real industrial training environment will be attained.





Process Instrumentation and Control Section

After completion of the Diploma Programme in Process Instrumentation and Control, the students will be able to install, adjust, calibrate, repair and maintain complex industrial systems which integrate mechanical and electrical-electronic elements, instrumentations and control, process and industrial communications (Direct Control System-DCS and SCADA). The program focuses on technology implemented industry such as Oil and Gas, Pharmaceutical, Food & Beverage and also SMI (Small Medium Industry). The hands-on training programme combines practical problem solving with theory and application which allows students to be creative. Facilities and approach used under this program is a real industries application and environment.

The practical students would be involved in the Final Year Project implementation (please refer to the description "Final Year Projects") from the installation, commissioning and testing of the plant or project. Our experienced technical staff will give you the professional guidance and support so that you will be able to acquire the essential knowledge and skills in process instrumentation and control. Besides that, you are welcomed to participate in any technical or English classes.

Final Year Projects (FYP) at GMI

The planning of the FYP starts during the 5th Semester where Diploma students propose their project ideas to their respective Department Section. Based on the proposals, students get into groups of 4 to 5 depending on the width, depth and level of difficulty of the project. A panel is assigned to overview technique, feasibility and budget.

You, as a practical student will join the 6th semester Diploma students and will work as a team in implementing the various phases in the final year project which is relevant to their study programme in Germany. The tasks in the final year project may include processes in the plant, literature review, electrical installation, fabrication testing, commissioning and presenting.

At the end of the internship, the practical students have to prepare a project paper and presentation, approved by the department of Industrial Electronics and would be submitted to their German University of Applied Sciences.

For more information please contact:

Mirjam Häger – Capacity Building & German Didactic Coordinator

mirjam.haege@qmi.edu.my

Please contact the International Office at your University of Applied Sciences for further information on PROMOS scholarships