

Intern Requirement

Preferred Discipline	<ul style="list-style-type: none">• Computer/Electrical Engineering or Computer Science
Prerequisites/ Skills Required:	<ul style="list-style-type: none">• Experience in C/C++ programming• Interest in digital signal processing (DSP)
No. of students required	1

Project Details

Title	Automated Signal Calibration Platform
Overview/Background	Signal power is greatly affected by interference such as noise during transmission. To ensure proper signal acquisition, signal processing needs to be properly calibrated for varying signal power.
Scope	<ul style="list-style-type: none">• DSP, C/C++ programming
Aims/Objectives/Deliverables	<ul style="list-style-type: none">• Set up an automated signal calibration platform during signal acquisition• Participate in the development of signal processing algorithms to perform measurement of signal parameters and calibration of signal acquisition device automatically• Be equipped with hands-on experience in signal acquisition and measurement device, as well as obtaining a good working knowledge in digital signal processing, upon project completion
Project Duration	6 months