

### Intern Requirement

No. of students required	1
Preferred Discipline	<ul style="list-style-type: none"><li>• Electrical/Computer Engineering</li></ul>
Prerequisites/ Skills Required	<ul style="list-style-type: none"><li>• C/C++ programming</li><li>• Interest in communication protocols</li></ul>

### Project Details

Title	R&D on Communication Protocols
Overview/Background	<p>A protocol defines the format and the order of messages exchanged between communication entities, as well as actions taken on the transmission and receipt of a message or event. In a communication network, different protocols are used to accomplish different communication task, to provide quality of service (QOS) guarantees.</p> <p>The intern is required to perform research and development on datalink and network protocols through traffic analysis and characterisation on data communication networks/systems.</p> <p>This project requires the intern to have a strong interest on various types of communication protocols, and develop a protocol identification suite using C/C++.</p> <p>Upon completion of this project, the intern will acquire good knowledge on communication protocols as well as hands-on experience in development using C/C++.</p>
Objectives/Scope/ Deliverables	Perform R&D on communication protocols through traffic analysis and characterisation on data communication networks/systems, in order to understand the network behavioural characteristics.
Project Duration	6 months