

### Intern Requirement

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

### Project Details

Title	Traffic Identification using SNORT Engine
Overview/Background	SNORT is an open source network intrusion prevention and detection system (IDS/IPS) software engine. It provides functionalities to inspect Internet traffic in real-time to look for and block any suspected network attack based on network intrusion signatures or fingerprints. The project intends to leverage on SNORT functionalities to perform Internet application identification.
Objectives/Scope/ Deliverables	<p>The objective is to explore using SNORT as an identification engine for identifying Internet applications such as MSN, Yahoo Messenger, Yahoo Mail and etc.</p> <p>The intern will be tasked to program SNORT engine, convert existing protocol signatures and analyse new protocol signatures for traffic identification. At the end of the project, he/she will deliver a traffic identification SNORT engine with the relevant documentation.</p>
Project Duration	6 months