

### Intern Requirement

No. of students required	1
Preferred Discipline	<ul style="list-style-type: none"><li>• Computer Engineering, Computer Science, EEE</li></ul>
Prerequisites/ Skills Required	<ul style="list-style-type: none"><li>• C/C++ Programming on Linux Platform.</li><li>• Interest in Web related technologies (e.g. HTTP, AJAX, JSON)</li></ul>

### Project Details

Title	Information Extraction from JSON-based Webmail Applications
Overview/Background	Webmail applications have become a key communication means on the Internet due to the ease of access and security features available. Despite the benefits offered by these applications, they remain a security threat to organisations as confidential information might be leaked via such technologies. To counter information leakage, one has to keep up with the latest webmail protocols. Given that the use of JSON in transmitting webmail data gets more prevalent, the aim of this project is to understand how JSON works for email transactions.
Objectives/Scope/ Deliverables	<ul style="list-style-type: none"><li>• Conduct a study on JSON to know how they are implemented in popular webmail applications.</li><li>• Research on methodologies for information extraction on JSON data, and explore possible approaches to automatically keep up-to-date with any minor changes in the webmail protocols.</li><li>• Develop a proof-of-concept demonstrator for information extraction on JSON based webmail applications.</li></ul>
Project Duration	6 months