

### Intern Requirement

No. of students required	1
Preferred Discipline	<ul style="list-style-type: none"><li>• Computer Science / Computer Engineering</li><li>• Electrical &amp; Electronic Engineering</li></ul>
Prerequisites/ Skills Required	<ul style="list-style-type: none"><li>• Familiarity with web technologies</li><li>• Familiarity with network/web programming</li></ul>

### Project Details

Title	Data Communication via Web-Based Services
Overview/Background	<p>Organisations dealing with confidential data have locked-down computing environments that prevent the illicit movement of such data out of the organisation.</p> <p>However, some of these organisations allow the access of Internet websites and hence the use of public web-based services. This lead to the risk that some of these web-based services could potentially be used as channels through which confidential information can be leaked out of the secure environments.</p>
Objectives/Scope/ Deliverables	<p>This project aims to develop a proof-of-concept utility demonstrating the risk of data being intentionally leaked out of a locked-down environment via public web-based services. The utility should demonstrate the possibility of embedding confidential information within the traffic of legitimate web based services. Such web-based services could include, for example, web-based emails, file-hosting sites, social networking sites and Internet forums.</p> <p>In the subsequent phase of the project, possible mechanisms to detect such data channels should be explored.</p>
Project Duration	6 months