

### Intern Requirement

No. of students required	1
Preferred Discipline	<ul style="list-style-type: none"><li>• Electrical or Computer Engineering</li></ul>
Prerequisites/ Skills Required	<ul style="list-style-type: none"><li>• Knowledge in networking and wireless communications</li><li>• Knowledge in C or scripting languages</li><li>• Experience in simple test &amp; measurement and/or data logging devices</li></ul>

### Project Details

Title	Wireless USB Security
Overview/Background	<ul style="list-style-type: none"><li>• Currently, there are some devices for wireless data transfer which are linked to the popular USB standard. As with any other wireless medium where signals can be received by other parties in the vicinity, data privacy and security are issues. We would like to study the security implications of such "wireless USB" devices and look for possible ways of mitigation.</li></ul>
Objectives/Scope/ Deliverables	<ul style="list-style-type: none"><li>• Study the USB standard through literature survey and USB device packet logging</li><li>• Design tests to study commercial implementations of "wireless USB"</li><li>• Report on areas of possible security concerns and recommend approaches for mitigation</li></ul> <p>Deliverables: research report detailing study procedures/set-ups and findings</p>
Project Duration	2-4 months