

<b>Module Title:</b>	<b>Project 1 – Semester 5</b>
<b>Academic year:</b>	2009 – 2010
<b>Credit Value:</b>	5 – Mandatory
<b>Pre- requisites:</b>	None
<b>Assessment:</b>	100% Project
<b>Aims</b>	Project is largely a self teaching subject. Each student will be assigned to a supervisor who monitors progress and suggests solutions in the event of difficulties. The project activities may deviate from above on the recommendation of the supervisor.
<b>Module Content</b>	<ul style="list-style-type: none"> <li>• Overview of projects and selection of project;</li> <li>• Maintenance of logbook with weekly entries;</li> <li>• Familiarisation, through regular use, of lab equipment;</li> <li>• Information search;</li> <li>• Analysis of different techniques and selection of optimal one. Associated circuit/software design;</li> <li>• Ordering of components Use of software/hardware design tools where applicable;</li> <li>• Assembly of componenets on PCBs</li> <li>• Testing and Troubleshooting;</li> <li>• Housing of PCB</li> <li>• Writing of project reports</li> <li>• Oral presentation session and examination</li> </ul>
<b>Intended Learning Outcomes:</b>	<p><b>On successful completion of the module the student will be expected to be able to:</b></p> <ol style="list-style-type: none"> <li>1. Conduct a feasibility study and do elementary circuit design and/or software design;</li> <li>2. Construct and troubleshoot an electronic circuit and/or related software;</li> <li>3. Show evidence in having developed interpersonal and formal communication skills to facilitate integration into working reams in a real environment.</li> </ol>