Instructions

You are asked to perform an investigation or design related to the subjects covered in the presentations during this lecture course. You will carry out this task in team sizes of between 2 and 4 people.

The team will be asked to give a team presentation and (if appropriate) a demonstration as part of a presentation half-day (usually afternoon).

You are also asked to prepare an individual report on the work. The individual reports should contain a proper description of the entire assignment carried out together with a comprehensive description of the parts of the assignment which were your individual contribution. The report should be no more than 10 pages long excluding appendices. Diagrams and code from other sources, including your team members may be included provided they are clearly marked and properly attributed.

Submission

Please hand in via the C_BASS system (electronic submission of the report file).

Relevant Learning Outcomes (LOs)

1. Understand through analysis and experimentation how radio propagation is helped and hindered by the environment
2. Understand through analysis and design how protocols allow the through routing of data out of a network of sensors, how resource wireless resources can be allocated
3. Understand how to make wireless sensor networks available as web services.
4. Able to present work orally and as a written report

Marking Scheme

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Description</th>
<th>LOs</th>
<th>Total course marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presentation Content</td>
<td>Group Technical content of the presentation</td>
<td>1-3</td>
<td>10</td>
</tr>
<tr>
<td>Presentation Delivery</td>
<td>Group presentation delivery and quality of explanations</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td>Report Content</td>
<td>How well you have presented the outcome of the assignment</td>
<td>4</td>
<td>25</td>
</tr>
<tr>
<td>Technical achievement</td>
<td>How well you have achieved the aims of the assignment</td>
<td>1-3</td>
<td>35</td>
</tr>
</tbody>
</table>

October 2018

Late submissions will be penalised at the Departmental rate. No work can be accepted after feedback has been given.
You should expect to spend up to 25 hours on this assignment. Please note the University regulations regarding academic integrity.