## Web 1 – Technology and Development

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| *SMS Code* | IN512001/IX512001 | *Directed Learning hours* | 60 |
| *Level* | 5 | *Workplace or Practical Learning hours* | 0 |
| *Credits* | 15 | *Self-Directed Learning hours* | 90 |
| Prerequisites | IN510001 | *Total Learning Hours* | 150 |
| *This course approved in another Programme: No* | | | |

***Aims***

To introduce students to technologies available for the development of web-based functionality.

***Learning Outcomes***

At the successful completion of this course, students will be able to:

1. Develop client-side web applications using HTML, CSS, and Javascript.
2. Explain basic web communication protocols.
3. Apply fundamental design principles to the construction of client-side web applications.
4. Demonstrate ethical internet practices.

***Indicative Content***

* Introduction to HTML and CSS.
* HTTP
* Hands-on exploration of existing blogs, wikis and social media sites.
* Creation of a blog; contribution to a wiki.
* Basic digital image manipulation.
* Introduction to Javascript.
* Research project including credibility assessment.
* Discussion of social psychological issues surrounding remote interaction.
* Discussion of economic issues surrounding remote delivery

***Assessment***

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| **Assessment Activity** | **Weighting** | **Learning Outcomes** |
| Assignment | 20% | 1,2,3,4 |
| Skills Based Assessment | 30% | 1,2,3,4 |
| Checkpoints | 20% | 1,2,3,4 |
| Project | 30% | 1,2,3,4 |