Networked applications I – CS7009

This module aims to provide an understanding of the WWW as an application platform that is becoming increasingly important economically and socially. It covers the fundamental content, social and meta-data structures that make up the web and how they can be represented, analysed and manipulated. It addresses the practical tools and techniques of web application programming, including client and server side programming languages, XML and semantic web information representation and analysis of application usage. It will encourage critical analysis of the impact of web applications on business and social concerns.

The delivery of the course is through lectures, labs and discussion of research papers

When students have successfully completed the course, they will have:

- The ability to design, programme, deliver, monitor and tune web-based applications and web services.
- An understanding of the fundamental structures of web content, of the social grouping that use it and of the structured data that annotates social and content graphs.