**BSE 2201 Network Applications Development**

(a) Description

This course gives students theoretical principles and hands on experi- ence of developing network applications. It caters for functional and non-functional issues peculiar to network applications. These include security, robustness and performance.

(b) Aims

The aim of the course is to:

*•* Give students theoretical and practical skills of developing network applications

*•* Equip students with security and performance aspects of network based applications

*•* Expand the applications of students programming skills

(c) Teaching and Learning pattern

Teaching will be in terms of lectures and laboratory programming prac- tical sessions

(d) Indicative content

*•* Design principles for network-based applications;

*•* Design and development of Java Servlets, JSP, Web services and

.NET;

*•* Principles of information security in network-based applications;

*•* http and https protocols.

(e) Assessment Method

Assessment will be in terms of coursework and tests (40%) and final examination (60%)

(f ) Reading List

(i) Core Servlets and Java Server Pages, Volume 1: Core Technologies by Marty Hall (2nd Edition), Prentince Hall , 2000.