CSC 314 Mobile Computing

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Purpose

The aim of this course is to introduce the student to mobile computing and give the student skills to understand the operation of mobile networks.

Expected Learning Outcome

Students who are successful in this course will be able to:

i.   Describe the history of mobile phones
ii.   Understand mobile media access control mechanisms
iii. Understand the working of MANETS
iv.   Be able to work with WAP's

Course Content

1. Introduction to mobile computing;

2. Media Access Control

3. Mobile Network Layer

4. Traditional TCP

5. Mobile Databases

6. Data Dissemination

7. Mobile Ad-hoc networks (MANETS)

8. Wireless Application Protocol

Mode of Delivery

- Lectures, Practical Lab Configuration Exercises, Research Exercises & assignments
- Discussions, Reflections & Presentations.

Assessment

CATs…………………………………………………………………………..30 %

Final Semester examination……...…………………………………………………70 %

Core References

1. Class Tutorials and practicals

2. Lauren Darcey and Shane Conder, ―Android Wireless Application Development‖,

Pearson Education, 2nd ed. (2011)