

CS 590B - PERVASIVE SYSTEMS
FALL 2008
Bharat Bhargava

Schedule of classes:

Time: T, Th 10:30-11:45 , Fall 2008

Room: Lawson 1106

Summary:

Pervasive Systems includes a study of wireless and mobile networking. Emerging research issues in distributed systems/database systems in pervasive environments will be investigated.

Applications to smart spaces, sensors based monitoring; cellular phones will be implemented and evaluated. A major focus will be on the issues of security, reliability, privacy, and safety in medical, military, e-commerce, and multi-media applications. Student will learn to develop experiments.

Grading policy:

Students are expected to select a topic in depth and write software to conduct experimental evaluation, participate in discussion of papers assigned to others. A survey of research problems, and experiments will form a report on which the grade will be assigned. Class participation will contribute towards 25% of grade. Material for CS590B will be based on the text book

Reading materials:

Introduction to Wireless and Mobile Systems, by Dharma Prakash Agrawal and Qing-An Zeng, ISBN No. 0534-40851-6. Ongoing projects in Purdue (ECE and CS) and other universities such as UIUC, UCLA, and IBM will be selected for presentation.

Class Slides

- Chap 01
- Chap 02
- Chap 03
- Chap 04
- Chap 05
- Chap 06
- Chap 07
- Chap 08
- Chap 12
- Chap 13
- Chap 14
- Chap 15