

Final year project topics and areas of Interest

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Only for students of MCS (Morning & Evening) 2012-2014 and BS (CS&IT) 2009-2013.

Following are some topics and areas where I intend to supervise under-graduate level final year projects. Since these project needs time and commitment, therefore they are announced well in advance.

Interested students are encouraged to see me not later than 28th September, 2013 and share their level of skills and commitment. Obviously you don't need to be an expert of related tools/framework at this time and basic knowledge and understanding would be sufficient, however your intentions should be to become an expert at the end of the project in the said field.

These projects will expose you to a real world working environment, where you will apply different tools and concepts practically, you learnt during your program of study. Consequently, these challenges will sharpen your skills.

Note: I will accommodate only three groups (3 students each) in this semester; your selection will be based on your level of commitment and skills. Definitely, First-Come-First-Serve is ON.

1. Automated Assessment System: This system is based on an innovative idea where teachers, students and department can get help to improve the quality of education. The system will be a web-based system with different components such as test creation, conduct and assessment.
2. Student Information System (SIS): This is a web-based enterprise system for automation of our evening program. The system components are students, resource person, supporting staff, finance, attendance and examination etc.
3. Intelligent tutoring system for Computer Programming: (Research-based study): This system provides immediate and customized instructions and feedback to the learners in order to learn computer programming, usually without intervention from a human teacher. The goal of the system is to enable learning in a meaningful and effective way with the help of AI and machine learning techniques/technologies.

Requirements of the project: In this project students are required to perform literature review of ITS for Computer programming, discuss the gap in the current research and optionally build a prototype for the ITS.

4. Smart Phone Application Development: Smart phones powered by google Andriod and Windows operation system have captured the mobile phone markets all over the world. Software engineers around the world are now spending most of their time in developing user friendly softwares for smart phones.

Tools: Any development tool (.Net, Php, HTML 5, Java, etc.) that is appropriate for the problem.