PROJECT SCENARIO

Name of the Project	**QR Code based Automatic Attendance & Online College Management System**
Objective/ Vision	The objective of this project is to create an automatic attendance system for classrooms in colleges and universities, which should replace the traditional pen-paper based attendance system. This objective is realized through the use of android devices in the classrooms capable of identifying each student and teacher based upon their Unique QR Code IDs. Further another objective is to simplify the college management system through dedicated android applications meant for the students & teachers, for easy and fast information gathering and queries.
Users of the System	A. Senior management of college including Admins / HODS. B. Professors and Teachers. C. Students D. Parents. E. Website visitors.
Functional Requirements	A. Implementing dedicated android devices for reliable automatic attendance system. B. Dynamic website for various college management functionalities including secure registration of new Admins / Teachers and Students along with the generation of unique QR Code for each user. C. Online Profiles for all employees – providing personal info, attendance, marks, salary and fee details, updates / notifications. D. Each user must be able to view and update his / her profile. E. Application for students / teachers for easy and fast information gathering over android devices. F. Send automatic emails to parents regarding their wards performance and attendance. G. Online visitors are able to view general details about college and various courses available.
Non-functional requirements	Easy to use and neat Interface. Detailed Help and Support for Users. Flexible architecture for future extension.
User interface priorities	A. Professional look and feel B. Use of technologies like AJAX / JavaScript & JQuery etc. for fast and dynamic web experience. C. Browser testing and support for IE, Chrome & Firefox.
Team Size	2 – Monica Dhawan (09-CSE-1049), Anurag Malik (09-CSE-1015)
Technologies used	J2SE – JSP / Servlets, AJAX, JQuery, JavaScript,Android
Tools Used	Eclipse Indigo (IDE), Android – ADT, IBM DB2, WASCE
Final Deliverables	Web Application Archive (.war), Android App (.apk), Complete Source code