

## **Viva Questions of Minor Project**

### **Question - Describe your project?**

**Answer -** We have developed a desktop app for event registration & verification using QR code, in which organizers will register a participant to their desired event during the registration period for the upcoming event by taking their details and payment & providing them with QR Code. This QR code will be scanned during the events entry to verify if it is a legitimate participant. It allows organizer to add & remove events & generate report at the end.

### **Question - Advantages of your project?**

**Answer -** It is GUI based application require very less time to learn and use even for a person who isn't an active system user. It reduces the load on organizers to manage the registration & entry process.

### **Question - How you gathered requirement of your project?**

**Answer –** We organized an IT fest in our college in which manual registration and management was taking place where we observed that systems major shortcomings and designed our system keeping in mind what we observed.

### **Question - How and where you implement your project?**

**Answer -** We have deployed this project in an online server which is ready to go, the front-end software can be delivered upon request for management of any event of any institute.

### **Question - Which software you used in your project?**

**Answer -** We have used python, mysql programming for designing & pycharm, atom & mysql workbench for development of this project.

### **Question - What are the methodology used in your project?**

**Answer -** We have used spiral method for developing this project, we have analysed requirements during the course of development. We have sequenced all the steps of development and completed this project.

**Question - Is it a Hardware or Software project?**

**Answer -** It is a Software project using DBMS in a live system.

**Question - What is your role in your project?**

**Answer -** We were 2 members developing this project. Our role was to gather requirements, coding and making project report.

KK developed entire front end along with QR generation & management schemes.

SJ developed entire backend and API's to connect with front end schematics.

**Question - Explain data flow of your application?**

**Answer -** Data Flow starts from the participant providing data to user an Admin or organizer who enters data to the system which processes it & sends to API's which communicate with server to return the required results which is to show participant registration, verification during event entry & report generation.

**Question - What are the entities in your project?**

**Answer –** User, Participant, Events and Registration.

**Question - What are the drawback of your system?**

**Answer -** We have made this application as per minimum requirement, however if deployed in a slow server or network the responses are slow. Still partly manual work is required.

**Question - How you test your application?**

**Answer -** We have done unit testing, modules code written by us and then done integration testing. After completing these two testing we have done stress testing by using various instances to communicate with server to see the performance. Also we have used test cases.

**Question - From where you get reference, guide for your project work?**

**Answer -** We learnt major part via online course and some of it was part of our BCA curriculum and faculty.

**Question - In future what changes you will made in your application?**

**Answer -** We can introduce email, SMS feature, and online payment option along with web integration.