

# GRC System

Project Proposal



**Assign to**

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# FINAL YEAR PROJECT PROPOSAL

## 1. Introduction

Automation of any procedure or work activities is always been useful in the organizations or institutes to maintain the workflow as intended. It forces the workers to follow the rules implemented in the automated service accordingly. The proposed system is going to resolve the delay and other issues regarding final year project management process. The rules of the educational institutes will be implemented to maintain the activities during the whole FYP process according to institute's policy. The proposed application will entertain faculty members as well as students during the whole project process.

This application would have certain partitions of different activities which include the candidate registration, event generation, assemble logs, generation of reports for each activity, result calculation and generation of other statistical charts.

## 2. Objective

**Through this application the following objectives can be achieved:**

- Registration of all the available supervisors
- Registration of all the Final year students through their university ids
- Online Proposal Submission to the Project Coordination office
- Faculty member can view the proposal
- Every faculty member can comment on proposal
- Submission of revised version of proposal after reviews of faculty members
- Automatic Assignment of supervisor according to their field of specialization
- Log of all the communication between supervisor and student
- Comment of the supervisor
- Final submission of the documentation by supervisor with validation
- All faculty member can review these documentation
- Project coordination office can make the report of student
- Record of the proposal defense
- Keep record of archive projects, live projects
- Faculty member can upload new ideas

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- After external evaluation of Project the project will go to archive project list
- Project coordination office can search number of student under the supervision of specific supervisor
- Search for the available supervisor
- Search for the Specialization of the supervisor
- Final result calculation of the student in FYP
- UGPC(undergraduate project committee) Meeting Dates
- Application will manage Profiles of all project and students
- Application will keep record of Suggestions and Recommendations given by faculty members

### **3. Problem Description**

In existing system all the activities relevant to final year project which includes proposal, presentations, workshops, internal and external evaluation are being happened thru manual processes. The way of communication between the project's candidates and supervisors is totally informal. And, through these practices often some activities are delayed or not being fulfilled as planned. Because the existing system is manual so the time of candidates is often fruitless. Due to informal meetings the suggestions and the recommendations are not often documented so it has a bit less impact than expected. Having manual system the activities take more time to complete and the system is much costly regarding time constraints.

## 4. System Features

- **Registration and Validation**

Students and faculty members can request for sign up using institute's provided IDs and candidate's request will be validated then candidate will be able to sign up.

- **Profiles and Projects Management**

For each project a profile will be assigned which will include project plan and activities and its participants, when the project is completed its profile will be saved in archive projects.

- **Events and Meetings**

Application will keep record of the events held during the project life and it will contain the attendance and the participation of students. The meetings between the project's candidates and the supervisors will be scheduled and noted down.

- **Reviews and Recommendation**

The documents and deliverables submitted by project's candidates will be viewed to each faculty member and will be requested to review or recommend the document for further procedures. Each and every faculty member will requested to comment on the deficiencies found in concerned document.

- **Reports and Logs**

For each and every activity performed will be assessed and a report against it will be generated which will include marks and other statistical information. For each activity a log will be created which will contains all the discussion happened between the project's candidate and the faculty member.

- **Results and Status**

Against each activity accomplished the result will be assigned and for the continued activity the status of the activity and the deadline according to plan will be visible to each and every persona.

## 5. Hardware and Software Requirements

The following are the Hardware and software requirements that we will use for the development of the GRC System.

### 5.1. Hardware Requirements

- RAM Capacity ----- 4GB
- Hard Disk -----500GB
- Pentium processor ----- 1.9GHz or above
- KEYBOARD ----- 108 Standard

### 5.2. Software Requirements

- Web Presentation: HTML, CSS
- Programming Language: Java
- Web based Technologies: Servlets, JSP
- Java 2 EE Web/Application Server: Tomcat Server 8.0/Glassfish 4.1
- Browser : Any browser supporting HTML5
- IDEs: Eclipse/Netbeans
- Database: MySQL

## 6. Diagrammatic Representation of the Overall System

