FACULTYOFCOMPUTERAPPLICATIONS

- **Course** :B.Sc. (IT)
- **Sem.** 4
- **SubjectCode** :05BS0405
- **Subject** :**Mini Project-2 (Java)**
- **Objective** :The objectives are as follows;
  1. To apply programming knowledge for solving Industrial (or society) problems.
  2. To collect, analyze requirement, plan, schedule, and monitor the software project.
  3. Development, coding, and testing of a large project cohesively.
  4. Documentation of project
- **Prerequisites** :Java ProgrammingLanguage fundamentals.

Guidelines

- The project definition should be finalized internally at the beginning ofsemester.
- It is recommended that the team should be of 2-3students.
- Project plan along with the division of work amongst teammates wouldhave been prepared and got approved within a week of the starting of semester from internal guide or project coordinator.
- It is recommended to follow different software engineering framework activities for the project development like requirement collection, designing model, coding, testing etc.
- Coding standards should be followed meticulously. At the minimum, the code should be self-documented, modular, and should use the meaningful naming convention.
- It is advisable that object-oriented methodology is used with reusability of classes and code, etc.
- A complete code is mandatory to present at the end of semester forevaluation. Student may be asked to write the code related to the project during examination.

- Project can be developed using Java programming language which hasbeen already learnt and coding should be there in project development.

- **Accomplishments of the student after completing the course:**

  - Doing the project will enable the student to go through rich experience in developing projects & application of programming knowledge. Such an experience will include encountering various technical issues, finding sources to resolve the issues and finally finding the solution of all these issues satisfactorily.
  - Thinking analytically, analyzing and synthesizing requirements and complicated information for getting a good comprehension of the solution methodology to be adopted.
  - Ability to document and write well.
  - Organizing the time effectively.
  - Working with teammates and generating substantial output of the efforts.
  - It will prepare the students for analyzing and programming for industrial problem and large projects working future.