



Savitribai Phule Pune University

(Formerly University of Pune)

S.Y.B.Sc. (Computer Science)

with

Major: Computer Science

(Faculty of Science and Technology)

(For Colleges Affiliated to Savitribai Phule Pune University)

Choice Based Credit System (CBCS) Syllabus under National
Education Policy (NEP)

To be implemented from Academic Year 2025-2026

Title of the Course: B.Sc (Computer Science)

Field Project using Software Engineering Techniques

S.Y.B.Sc. (Computer Science)

Major: Computer Science

CS-231-FP Semester III

Field Project

Name: _____

College Name: _____

Roll No: _____ Division: _____

Academic Year: _____

Department of Computer Science

CERTIFICATE

This is to certify that Ms./Mr. _____
have successfully and satisfactorily completed and submitted the field project
titled _____ in partial
fulfilment of **S.Y.B.Sc.(CS)** Lab course **CS-231-FP Semester III** prescribed by
Savitribai Phule Pune University during the academic year _____.

(Project Guide): SMT. N.V. Lahamage

(H.O.D. Computer Science)

INTERNAL EXAMINER

EXTERNAL EXAMINER

Submission deadline: / /

S.Y.BSc. (Computer Science) Mini Project

Academic Year (2025 - 2026)

Project Title: Restaurant Management System

Team Members:

- 1. Name: Gupta Anshukumar Virendra**

Roll No.: Exam Seat No.:

- 2. Name: Pathan Irshad Salim**

Roll No.: Exam Seat No.:

Project Guide Name: SMT. N.V. Lahamage

Project Guide Signature: _____

Start Date: / / Completion Date: / /

Savitribai Phule Pune University
S.Y.B.Sc. (Computer Science) - Semester III
Course Type: FP/OJT/CEP
Course Code: CS-231-FP
Course Title: Field Project

Teaching Scheme 4 Hours/Week	No. of Credits 2	Examination Scheme IE: 15 marks UE: 35 marks
Prerequisites ER Modeling		
Course Objectives		
1. To get knowledge and understanding of software engineering discipline. 2. To learn analysis and design principles for software project development. 3. To Implement Agile Development Methodologies in real life Software Projects.		
Course Outcomes		
CO1: Identify requirements, analyze and prepare models.		
CO2: Understand basic Software engineering concepts and process models.		
CO3: Choose a process model for a software project development.		
CO4: Design different UML Diagrams.		
Course Contents		
Assignment No.	Title	No of hours
1.	Preliminary Investigation and its activities	12 Hours
2.	Requirement Specification	12 Hours
3.	Database Design	12 Hours
4.	System Design	12 Hours

Index

Assignment No	Title	Signature of Instructor
1.	Preliminary Investigation and its activities	
	1.1 Problem identification and definition	
	1.2 Problem Description	
	1.3 Fact Finding techniques	
	1.4 Drawbacks of Existing system	
	1.5 Scope of the Proposed System	
	1.6 Feasibility Study	
2.	Requirement Specification	
	2.1 Data Requirements of the System	
	2.2 Identify End Users of the System	
	2.3 Input Data to the System	
	2.4 Output Information from the System	
	2.5 Functional/Nonfunctional/Processing Requirements of the System	
3.	Database Design	
	3.1 Identify the entities and the attributes	
	3.2 E-R Diagram	
	3.3 Identifying all tables, fields, relationship between tables etc.	
	3.4 Normalize database	
4.	System Design	
	4.1 Class diagram	
	4.2 Object diagram	
	4.3 Component diagram	
	4.4 Deployment diagram	
	4.5 Use case diagram	
	4.6 Activity diagram	
	4.7 State chart diagram	
	4.8 Sequence diagram	
	4.9 Collaboration diagram	