KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Coimbatore - 641 021, India

FACULTY OF ARTS, SCIENCE AND HUMANITIES (FASH)

Department of CS,CA & IT

II B.Sc CS   IV SEMESTER   BATCH : 2017 - 2020

17CSU412   SOFTWARE ENGINEERING - PRACTICAL   4H – 2C

Instruction Hours / week: L: 0 T: 0 P: 4   Marks: Int : **40** Ext : **60**   Total: **100**

COURSE OBJECTIVES

- The software-development process, including requirements analysis, design, programming, testing and maintenance;
- To Understand principles and practices of good team management, collaboration, planning, and communication.
- To Demonstrate practical experience with creating use cases, and considering both anticipated and unanticipated impacts.

COURSE OUTCOME

- Acquire skills to think about problems and their solutions using appropriate methods of analysis and design;
- Students are capable to develop their software projects using modern engineering techniques and tools.
- The ability to analyze, design, verify, validate, implement, apply, and maintain software systems.
- The ability to work in one or more significant application domains.

PROGRAM LIST

S. No	Practical Title
1.	• Problem Statement • Process Model
2.	Requirement Analysis: • Creating a Data Flow • Data Dictionary, Use Cases
3.	Project Management: • Computing FP • Effort • Schedule, Risk Table, Timeline chart
4.	Design Engineering: • Architectural Design • Data Design, Component Level Design
5.	Testing: • Basis Path Testing

SAMPLE PROJECTS:

1. **Criminal Record Management**: Implement a criminal record management system for jailers, police officers and CBI officers

2. **DTC Route Information**: Online information about the bus routes and their frequency and fares

3. **Car Pooling**: To maintain a web based intranet application that enables the corporate employees within an organization to avail the facility of carpooling effectively.

4. Patient Appointment and Prescription Management System

5. Organized Retail Shopping Management Software

6. Online Hotel Reservation Service System

7. Examination and Result computation system

8. Automatic Internal Assessment System

9. Parking Allocation System

10. Wholesale Management System