RSET
RAJAGIRI SCHOOL OF
ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

B. TECH.
IN
COMPUTER SCIENCE AND BUSINESS SYSTEMS

SEMESTER V
(2021 ADMISSIONS)

SYLLABUS

Rajagiri Valley, Kakkanad,
Kochi 682 039, Kerala, INDIA
www.rajagiritech.ac.in

COURSE CODE	COURSE NAME	L	T	P	CREDIT	YEAR OF INTRODUCTION
101009/IT522T	MINI PROJECT	0	0	2	1	2021

1. Preamble

This course is designed for enabling the students to apply the knowledge to address the real-world situations/problems and find solutions. The course is also intended to estimate the ability of the students in transforming theoretical knowledge studied as part of the curriculum so far in to a working model of a software system. The students are expected to design and develop a software/hardware project to innovatively solve a real-world problem.

2. Prerequisite

Subjects studied up to fifth semester.

3. Course Plan

Each group consisting of three or four members is expected to design and develop a moderately complex software/hardware system with practical applications. This should be a working model. The basic concept of product design may be taken into consideration. Students should identify a topic of interest in consultation with Faculty-in-charge of mini project/Advisor. Review the literature and gather information pertaining to the chosen topic. State the objectives and develop a methodology to achieve the objectives. Carry out the design or fabrication or develop codes/programs to achieve the objectives. Demonstrate the novelty of the project through the results and outputs. The progress of the mini project is evaluated based on a minimum of two reviews. The review committee may be constituted by the Head of the Department. A project report is required at the end of the semester. The product has to be demonstrated for its full design specifications. Innovative design concepts, reliability considerations, aesthetics/ergonomic aspects taken care of in the project shall be given due weight.

4. Course Outcomes

After the completion of the course the student will be able to

CO 1: Make use of acquired knowledge within the selected area of technology for project development.

CO 2: Identify, discuss and justify the technical aspects and design aspects of the project with a systematic approach.

CO 3: Interpret, improve and refine technical aspects for engineering projects.

CO 4:Associate with a team as an effective team player for the development of technical projects.

CO 5: Report effectively the project related activities and findings.

5. Mapping of Course Outcomes with Program Outcomes

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	3	3	3	3	3	3	3	-	-	-	3
CO2	3	3	3	3	3	-	2	3	-	3	2	3
CO3	3	3	3	3	3	2	3	3	-	2	3	3
CO4	3	3	2	2	-	-	-	3	3	3	3	3
CO5	3	-	-	-	2	-	-	3	2	3	2	3

6. Mark Distribution

Total Marks	CIE	ESE
150	75	75

7. Continuous Internal Evaluation Pattern

Attendance: 10 marks
Marks awarded by Guide: 15
marks Project Report: 10 marks
Evaluation by the Committee: 40 marks

8. End Semester Examination Pattern

The following guidelines should be followed regarding award of marks.

(a) Demonstration: 50 marks
(b) Project report: 10 marks
(c) Viva voce: 15 marks

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