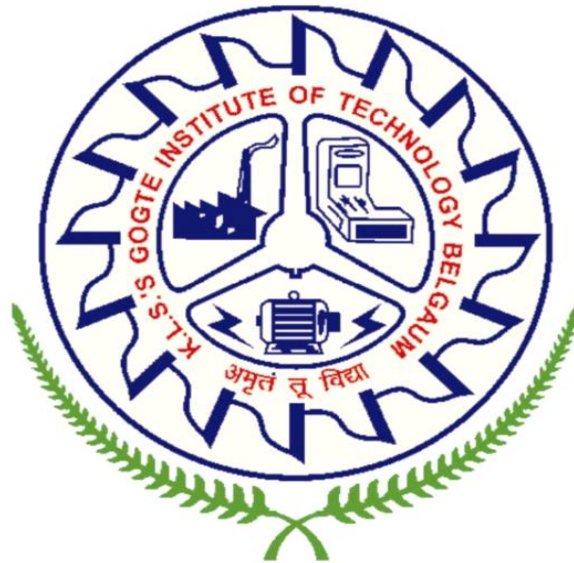**KARNATAK LAW SOCIETY'S**

GOGTE INSTITUTE OF TECHNOLOGY

UDYAMBAG, BELAGAVI – 590008

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

(Approved By AICTE, New Delhi)

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

COURSE PROJECT

OBJECT ORIENTED MODELING AND DESIGN

Submitted by

Rachana Kampli	2GI18IS032
Laxmi Nyamagoud	2GI18IS020
Hemanth I T	2GI18IS015
Rohan Kokatanur	2GI18IS066

Guided By: Prof. S. D. Perur

CERTIFICATE

This is to certify that **Ms. Rachana Kampli, Ms. Laxmi Nyamagoud, Mr. Hemanth I T, Mr. Rohan Kokatanur** of **Fifth Semester** bearing **USN: 2GI18IS032, 2GI18IS020, 2GI18IS015, 2GI18IS066** has satisfactorily completed the course in Course activity of Object Oriented Modelling and Design. It can be considered as a bonafide work carried out for partial fulfilment of the academic requirement of 5th Semester B.E.(Information Science & Engineering) prescribed by KLS Gogte Institute of Technology, Belagavi during the academic year 2020- 2021.

The report has been approved as it satisfies the academic requirements prescribed for the said degree.

Signature of the Faculty Member   Signature of the HOD

Date:19/12/2020

Course project report and ppt content

- Title
- Problem statement for that the project
- Objectives of Defined Problem statement
- Design / Algorithm/Flowchart/Methodology
- Implementation details/Function/Procedures/Classes and Objects (Language/Tools)
- Working model of the final solution
- Report and Oral Presentation skill

Marks allocation:

	Batch No. :					
1.	Project Title:	Marks	USN			
		Range				
2.	Problem statement (PO2)	0-1				
3.	Objectives of Defined Problem statement (PO1,PO2)	0-2				
4.	Design / Algorithm/Flowchart/Methodology (PO3)	0-3				
5.	Implementation details/Function/Procedures/Classes and Objects (Language/Tools) (PO1,PO3,PO4,PO5)	0-4				
6.	Working model of the final solution (PO3,PO12)	0-5				
7.	Report and Oral presentation skill (PO9,PO10)	0-5				
	Total	20				

* 20 marks is converted to 10 marks for CGPA calculation

• **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

• **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and Engineering sciences.

• **Design/Development of solutions:**Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

• **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

• **Modern tool usage :**Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

• **The engineer and society:**Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

• **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

• **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

• **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.

• **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

• **Project management and finance:** Demonstrate knowledge and understanding of the engineering management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

• **Life-long learning:** Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

TITLE: TOUR GUIDE AND MANAGEMENT

PROBLEM STATEMENT:

Develop an interactive system that helps potential visitors get enough information about the various destinations that may ease their tour. It has the following objectives:

- To explore the problems encountered in the management of the existing manual tourism system

- To design a web based system that will make information more detailed, effective, and accurate, and ease the delay hitherto encountered with the existing manual system.

- To implement a web based tourism system that will help people appreciate the state's natural endowment and also serve as a complementary tool for tourism management.

REQUIREMENTS FOR TOURISM SYSTEM:

Problem scope:

- Tourism Management System is integrated software developed for tour operating companies. The main aim of this project is to help the tourism companies to manage their customers, vehicles, and agent. It makes all operation of the tour company easy and accurate. The standalone platform makes tourism management easy by handing agencies requests and providing servers for the customers located at different parts of the various cities. Different modules have been incorporated in this project to handle different parts and sector of the tour management field.

Performance needs:

- It should load in very less time (seconds).

- User Interface should be intuitive.

- Should run most of the hardware devices and support multiple web browsers.

REQUIREMENT ANALYSIS:

The Tour and Travel Management System is a web based application. The main purpose of "Tours and Travels Management System" is to provide a convenient and easy way for a customer to book hotels, flight, train and bus for tour purposes. To run this System, Software and Hardware Requirements are necessary. Requirements which are needed are given below briefly.
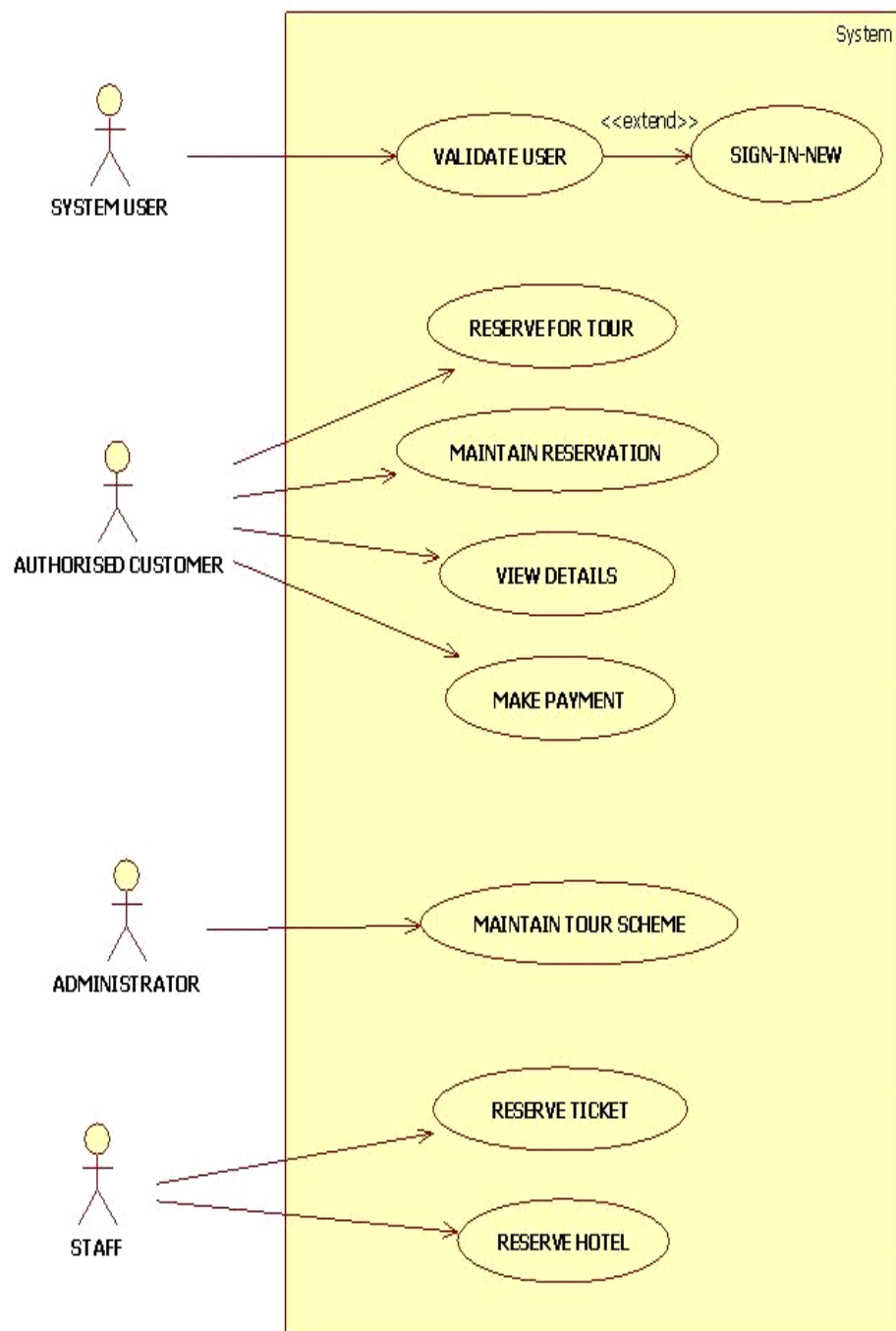
Hardware Requirements:

- Processor - At least 2.0 GHZ

- RAM - At least 2GB

Software Requirements:

- Operating System - Windows.

- Frond End - PHP, HTML, CSS, JavaScript, Ajax.

- Back End - MySQL

- Editor Tools - Atom, Notepad ++

- Other Graphics Tools - Adobe Photoshop.

- Web Browser - Google Chrome, Firefox, or any compatible update browsers

USE-CASE DIAGRAM:

ACTIVITY DIAGRAM: