UPES
UNIVERSITY WITH A PURPOSE

School Of Computer Science
University Of Petroleum and Energy Studies
P.O. Bidholi, Via-Prem Nagar DEHRADUN-248007

Bachelors of Technolgy in Computer Science & Engineering

Issue Date: 21-08-2024

| Minor | | Major | ✓ |

| Project Title | FinEase - Simplifying Financial Decisions using optimized ML and NLP Techniques | Mentor Name | **Project Number** Dr. Anand Kumar |

S.No	Rollnumber	Branch	Name	Role	Signature
1	R2142210133	B.Tech CSE	Anusha Tripathi	Frontend Developer	
2	R2142210421	B.Tech CSE	Khushi Srivastava	Backend Developer	
3	R2142210584	B.Tech CSE	Pratyaksh Kumar Singh	Backend Developer	
4	R2142210880	B.Tech CSE	Yutika Mishra	Frontend Developer	

Project Mentor	Cluster Head

Date							Project Status
	Understanding of Project	**Project Working**	**Soft Skills**	**Report**	**Mentor Marks**	**Total Marks**	**Activity Coordinator**
R.No	25 Marks	35 Marks	10 Marks	15 MARKS	85 MARKS	100 MARKS	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	
	0	0	0	0	0	0	

Synopsis Evaluation
Theoretical Understanding

Rollno	Problem(4 Marks)	Algorithm(4 Marks)	Data /Data structure(4 Marks)	SWOT Analysis(4 Marks)	Area of Application(4 Marks)	Total Marks(20)
						0
						0
						0
						0

Panel Remark	
	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5

Mid- Term Evaluation
DESIGN & DEVELOPMENT

Rollno	Technical Diagram(5 Marks)	Programming Concepts(5 Marks)	IPC(5 Marks)	Libraries(5 Marks)	SRS(10)	Total(20 Marks)
						0
						0
						0
						0

Panel Remark	
	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5

End-Term Evaluation
Testing & Implementation

Rollno	Theoretical Knowledge(5)	Computational Knowledge(5)	Test Case (10)	Soft Skills (10)	Report(5)	Core Computational Skills(15)	Total (50)
							0
							0
							0
							0

Panel Remark	
	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5

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| Project Title | FinEase - Simplifying Financial Decisions using optimized ML and NLP Techniques | Mentor Name | Dr. Anand Kumar |

Abstract

The project focuses on developing an intelligent banking-related website that streamlines users' financial management by offering personalized banking solutions. Leveraging advanced technologies like machine learning (ML) and artificial intelligence (AI), the platform delivers tailored recommendations for bank accounts, loans, and investment opportunities based on individual financial profiles. The goal is to provide users with a one-stop solution for managing their finances efficiently, making informed decisions, and optimizing their financial well-being.

Objective

The platform aims to:
1. Assist users in selecting the most suitable bank accounts by analyzing their salary, credit score, and specific needs.
2. Offer credit score-based loan recommendations and facilitate the loan application process.
3. Provide customized investment opportunities aligned with the user's financial goals and risk tolerance.
4. Use of optimized ML and NLP techniques to improve the accuracy of recommendations and customer satisfaction.

Methodology

Users will provide personal and financial details during the initial process, such as salary, existing bank accounts, and investment preferences. Implement machine learning algorithms to analyze user data and recommend bank accounts that match users' financial profiles, considering factors like interest rates, salary, and balance requirements. Develop a loan sanction model using ML to predict loan eligibility based on factors like credit score, salary, and other financial indicators. Implement NLP-based sentiment analysis on customer reviews to assess public perception of various banking options.

Progress 1

	Marks	10	10	10	10	10	10	10	15

Mentor Remark

Roll Number	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Internal
Date/Mentor Signature								

Progress 2

	Marks	10	10	10	10	10	10	10	15

Mentor Remark

Roll Number	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Internal
Date/Mentor Signature								

Guideline: 1) A project group can be of maximum 4 members and no alteration in the group member will be entertained later.
Guideline: 2) Methodology should have following steps Step1: Literature Review; Step2: Identification Of Requirement (Type Of Data source, Amount Of Data, & Format of Data); Step3: Identification of Algorithm; Step4 : Comparative study; Step5: Design and Development of System/Architecture; Step 6: Implementation; Step7: Results
Guideline:3) Student should upload softcopies of all the documents (reports and power point presentations) in "Project Directory", 24 hrs prior to evaluation.
Guideline:4) Panel member will give feedback to individual on the scale of 1 to 5 and this scale will change for defaulter i.e. 1 to 3 scale.
1: Poor   2: Average   3: Good   4: Excellent   5: Outstanding