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:_____

Minor ✓ Major

Project Title	Net-Route Implementation and Comparitive Study	Mentor Name	Dr. Kingshuk Srivastava

S.No	Rollnumber	Branch	Name	Role	Signature
1)	R2142210034	AIML	Abhishek Joshi		Abhishek
2)	R2142210525	AIML	Nihar		Nihar
3)	R2142210515	AIML	Naman Jain		Naman Jain
4)	R2142210795	AIML	Suraj Singh Bhandari		Suraj

Project Mentor

Cluster Head

Date	Understanding of Project	Project Working	Soft Skills	Report	Mentor Marks	Total Marks	Project Status Activity Coordinator
R.No	25 Marks	30 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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Minor ✓ Major

Project Title	Net-Route Implementation and Comparative Study	Mentor Name	Dr. Kingshuk Srivastava

Abstract

Network routing plays a vital role in our modern digital world, easing the flow of data across various devices. This project ~~decreases~~ discusses the method of finding the best route for network packets transferring across the nodes. by creating a graph data structure and performing performance analysis on various metrices.

Objective

(I) Developing a program that takes input data and creates a new text file having updated data.
(II) Creating a network graph data structure from input data representing nodes as vertices and connections as edges.
(iii) Implementing various algorithms to find optimal or near-to-optimal paths for packet transfer within the network.

Methodology

This includes data abstraction from a text file and converting it to graph data structure which is further used for finding optimal or near-to-optimal path for packet transfer from one node to another using various algorithms and measuring their performance.

Progress 1

Mentor Remark

	Marks	10	10	10	10	10	10	10	15
	Roll Number	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Internal
	Date/Mentor Signature								

Progress 2

Mentor Remark

	Marks	10	10	10	10	10	10	10	15
	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