

Project Title	AdaptiPlan: Intelligent Scenario Modeling for Climate Change Mitigation	Mentor Name	Dr. Tanupriya Choudhury
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S.No	Rollnumber	Branch	Name	Role	Signature
1.	R2142210244	AIML Hons.	Charu Gupta	Design and implementation	
2.	R2142210448	AIML Hons.	Lakshay Agarwal	Design and implementation	

Project Mentor	Cluster Head
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Date	Understanding of Project	Project Working	Soft Skills	Report	Mentor Marks	Total Marks	Project Status
R.No	25 Marks	35 Marks	10 Marks	15 MARKS	85 MARKS	100 MARKS	Activity Coordinator
	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
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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
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End-Term Evaluation						
Testing & Implementation						
Rollno	Theoretical Knowledge(5 )	Computational Knowledge(5)	Test Case (10 )	Soft Skills (10 )	Report(5 )	Core Computational Skills(15 )
						0
						0
						0
						0

Panel Remark	Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5
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<b>Project Title</b>	AdaptiPlan: Intelligent Scenario Modeling for Climate Change Mitigation							<b>Mentor Name</b>	Dr. Tanupriya Choudhury	
<b>Abstract</b>	This project aims to develop a comprehensive web application that combines AI-driven scenario planning with a comparative analysis of climate change adaptation strategies. By integrating time series forecasting (ARIMA) and Monte Carlo simulations, the application will simulate various climate change scenarios and evaluate the effectiveness of different adaptation measures.									
<b>Objective</b>	1. Develop an interactive web application that allows users to simulate climate change scenarios and analyze the impact of different adaptation strategies.  2. Conduct a comparative analysis of adaptation strategies using ARIMA and Monte Carlo simulations to assess their effectiveness across various scenarios.									
<b>Methodology</b>	The methodology involves collecting and preprocessing climate data. ARIMA models will be employed for time series forecasting of future climate conditions, while Monte Carlo simulations will assess risks and adaptation strategies across various scenarios. A comparative analysis will then evaluate the effectiveness of these strategies. Finally, an interactive web application will be developed to allow users to perform scenario analysis and receive tailored insights.									
<b>Progress 1</b>										
<b>Mentor Remark</b>		<b>Marks</b>		10	10	10	10	10	10	15
	<b>Roll Number</b>	<b>Step 1</b>	<b>Step 2</b>	<b>Step 3</b>	<b>Step 4</b>	<b>Step 5</b>	<b>Step 6</b>	<b>Step 7</b>	<b>Internal</b>	
	<b>Date/Mentor Signature</b>									
<b>Progress 2</b>										
<b>Mentor Remark</b>		<b>Marks</b>		10	10	10	10	10	10	15
	<b>Roll Number</b>	<b>Step 1</b>	<b>Step 2</b>	<b>Step 3</b>	<b>Step 4</b>	<b>Step 5</b>	<b>Step 6</b>	<b>Step 7</b>	<b>Internal</b>	
	<b>Date/Mentor Signature</b>									

**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