

**Project Title** 

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

Bachelors of Technology in Computer Science &

Issue Date: January 15, 22

Engineering **Plant Disease Prediction System** Mentor Dr. Ravi Tomar

Name

S. No.	Roll Number	Branch	Name	Role	Signature
1	R177219080	B. Tech. CSE AI & ML B-3 Sem-V	Garvit Khurana	Developer	
2	R177219191	B. Tech. CSE AI & ML B-6 Sem-V	Tanya Malhotra	Developer	
3	R177219196	B. Tech. CSE AI & ML B-6 Sem-V	Vanshaj Goel	Developer	

				Pro	oject Ment	or							Неа	d Of Departm	ent		
		0	ate	Title App	roval	Synop	osis	Mid-Term	End-Term	P	rogress	Report	Total Marks	Authentic		Status Yes,	/ No
			No		ubminips	Mark		MARKS	MARKS	MARKS			MARKS	Satisfact	ory	Yes	/ No
														Activ	vity Co	ordinato	or.
								Sy	nopsis Evalu	ation							
				30 Mark	cs						30 M						/larks
Rollnumber	v	Reviewer1	Reviewer2	Reviewer3	Reviewer4	ReviewerS	E E	112121415	Dress Code	5	dll	Presentation Skill 1-1-2-1-3-1-4-1-5	Analytical Skill 5 1   2   3   4   5	Yeam Spirit	D .	PPT	Report
	v						D B	1 2 3 4 5	1 2 3 4 5	1 2	3   4   5	1 2 3 4 5	12345	1 2 3 4 5			
	A												1 2 3 4 5				
Panel Rem	ark																
			Reviewer	1	Re	viewer 2		Re	viewer 3			Review	er 4		Revie	wer 5	
							_	Mic	i- Term Evalu	uation							
	_			30 Mark	s						30 M						/larks
tollrumber	v	Reviewer1	Reviewer2	Reviewer3	Reviewer4	ReviewerS	F		Dress Code			Presentation Skill 1   2   3   4   5	Analytical Skill	Team Spirit	D	PPT	Report
	V						E D	1 2 3 4 5	1 2 3 4 5	1   2	1415	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	c w		
	Α												123415		. t		
							СК	111111111	112131413	MILL	21412	111111111	112/3/4/3	112131413			
Panel Rem	ark																
			Reviewer	1	Ret	viewer 2		Re	eviewer 3		Reviewer 4			Reviewer 5			
				20.841			1	Ene	d-Term Evalu	ation	30.54					40.5	4l
kollnumber		Davis	Reviewer2	30 Mark	S Reviewer4	ReviewerS	F		Dress Code			Presentation	Analytical Skill	Team Spirit		PPT PPT	Marks Report
o-number	v	neviewer1	Nevewer 2	ne sewers	Keylewerd	neviewers	E						1 2 3 4 5			9	
	V						D 8						1 2 3 4 5				
							A C K	1 2 3 4 5	1 2 3 4 5	1   2	3 4 5	1 2 3 4 5	1231415	1/2/3/4/5			
Panel Rem	ark																
		Reviewer 1		Reviewer 2				Reviewer 3			Review	A 1941	Reviewer 5				



## 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

Minor	~	Major	

**Project Title** 

## Plant Disease Prediction System

Mentor Name

Dr. Ravi Tomar

Abstract

Agriculture, with its associated sectors, is the chief source of livelihood in India. Seventy percent of India's rural households still depend primarily on agriculture for their living. This project mainly aims at identifying diseases in plants and crops with the help of the pictures of leaves that are healthy and the ones that have been infected. The mobile application would help out farmers and people owning kitchen gardens in constantly monitoring the health of their plants.

Objective

In the agricultural sector, misdiagnosis of diseases impacting agricultural crops can lead to misuse of chemicals leading to increased input costs with significant economic loss and harmful impact on the environment. Existing disease diagnosis based on human scouting is time-consuming and expensive. Thus, the main motivation to pursue this project is to help people and farmers in observing the health of their plants easily.

Methodology

First the Dataset will be collected from different sources. Data will be then cleaned and pre-processed. Then various neural network models will be made and best model will be selected. An android mobile application will be made with the help of which user will be able to capture the image of infected part and monitor it.

	Marks	10	10	10	10	10	10	10	10	10	10
Mentor Remark	Rollno/Ma ks(10)	Step 1	Step 2	Step 3		Step 5	Step 6	Step 7	Syno psis	Mid- term	End- Term
	Date/Men										
	or										
D	or Signature										
Progress 2											
Progress 2											
Progress 2	Signature										
Progress 2		10	10	10	10	10	10	10	10	10	10
Progress 2  Mentor Remark	Signature		Ston	10 Step 3		10 Step 5	10 Step 6		Syno		10 End- Term
Mentor	Signature						Step	Step	Syno	Mid-	End-
Mentor	Signature						Step	Step	Syno	Mid-	End-
Mentor	Signature  Marks  Rollno	Step 1					Step	Step	Syno	Mid-	End-
Mentor	Signature	Step 1					Step	Step	Syno	Mid-	End-

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; Step 4: 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