UPES
UNIVERSITY WITH A PURPOSE

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

Issue Date:_____

Bachelors of Technolgy in Computer Science & Engineering

Minor [ ] Major

Project Title	PCause : PCOS detection system based on deep learning model using ultrasound images.	Mentor Name	Project Number Ms. Sugandha Sharma

S.No	Rollnumber	Branch	Name	Role	Signature
01	R2142210244	AIML Hons.	Charu Gupta (B1)	Design and implementation	
02	R2142210448	AIML Hons.	Lakshay Agarwal (B1)	Design and implementation	

Project Mentor

Cluster Head

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

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)

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

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)

Panel Remark

Reviewer 1	Reviewer 2	Reviewer 3	Reviewer 4	Reviewer 5

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Bachelors of Technolgy in Computer Science Engineering

Minor ☐ Major

Project Title	PCause : PCOS detection system based on deep learning model using ultrasound images.	Mentor Name	Ms. Sugandha Sharma

Abstract

PCOS is an endocrine disorder affecting roughly 1 in 10 women of reproductive age in India. Finding it early is important to handle issues like irregular menstrual cycle and other health problems. But it's hard to diagnose early because it's complicated and lacks clear signs. So, this project aims to build and compare various neural network models that will use the ultrasound images to detect PCOS at an early stage.

Objective

The primary objective of the current project is to detect PCOS using deep learning models on ultrasound images.

Methodology

Data Collection shall be followed by data augmentation. The augmented dataset shall be mined for feature selection. This shall be subsequently followed by comparative analysis of various deep learning models like CNN, VGG16, VGG19 etc.

Progress 1

Mentor Remark

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

Progress 2

Mentor Remark

	Roll Number	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Internal
		Marks	10	10	10	10	10	10	10	15
	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