

Project Title

PCause : NN model to detect PCOS

 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	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

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 &amp; 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 &amp; 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

<b>Project Title</b>	PCause : NN model to detect PCOS									<b>Mentor Name</b>	Ms. Sugandha Sharma																																																												
<b>Abstract</b>	PCOS is an irregular menstrual cycle affecting roughly 1 in 10 women of reproductive age in India. Finding it early is important to handle issues like irregular periods 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.																																																																						
<b>Objective</b>	The core objective of this endeavor is to detect PCOS using ultrasound images.																																																																						
<b>Methodology</b>	Firstly, we will collect the dataset from Kaggle then we will use GAN for data generation and lastly will compare various neural network models like CNN, VGG16, VGG19 etc.																																																																						
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**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