Project Idea for CSE 338 (Session 2018-19)

Thanks for filling out Project Idea for CSE 338 (Session 2018-19)

Here's what was received.

Project Idea for CSE 338 (Session 2018-19)

If you are enrolling in the course CSE 338: Artificial Intelligence Lab with the session 2018-19, you have to fill up this form. Note that, this form should be submitted as a team. If you have a team comprising of several members, then only one member should fill up this form. In that case, recheck the information of the other member. Remember that, any false information would be handled strictly. Group members' information come first. The verification code is CSE338BINGOPRO

Your email (**shahrab03@student.sust.edu**) was recorded when you submitted this form.

Email Address *

shahrab03@student.sust.edu

Verification Code *

Fill the provided verification code.

CSE338BINGOPRO

Personal Information

The personal information of the team members should be filled up here. Any partial information might lead to very bad consequences. So, be careful! Members will be indicated by "Mn" where 'n' means n-th member. Example: M3 means 3rd member of the team.

M1: Registration No *

2018331003

M1: Nick Name *

Sami

M2: Registration No *

2018331027

M2: Nick Name *

Bipul

M3: Registration No

2018331053

M3: Nick Name

Rony

M4: Registration No

2018331115

M4: Nick Name

Junaed

M5: Registration No

_____

M5: Nick Name

Team Information

You have to put some information regarding your team here.

Team Name *

La'eeb

Team Sitting till date *

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Project Idea

Information regarding your first and most preferred project idea should be described here

Project Title *

Hand Gesture Recognition AI

The motivation behind this Project *

Hand gesture recognition system has a wide area of application in human computer interaction and sign language. By building this system we will also learn to build an AI system, work with existing dataset and to modify existing model

Project Description *

A hand gesture recognition system provide a natural, innovative and modern way of non verbal communication. We will build an AI system which will be given as input an image of a wrist in a particular gesture, it will identify it and output the name of the gesture

Project Planning

Will you develop the dataset? *

○ Yes

◉ No

○ Partially

The source of the dataset (with link if possible)

If your answer for the question "Will you develop the dataset?" is anything other than "Yes" then you must answer this question.

Kaggle(https://www.kaggle.com/datasets/aryarishabh/hand-gesture-recognition-dataset)

Will you develop the model? *

○ Yes

○ No

◉ Partially

Give a high level overview of your model/work *

Our model will be a Convolutional Neural Network adopted from the VGG-16 object recognizer model. We will partially re-train the model using the dataset

How much are you confident about completing the work? *

	1	2	3	4	5	
Low	○	○	○	○	◉	High

Roughly, which member will be responsible for what? Like: Communication, Presentation, Report Writing, Coding, Data Set Preparation, Modeling, Planning, and so on. You will decide which responsibilities need your project most. If your project responsibility keyword is not so clear to explain itself, you may give a short description in first bracket to specify more about it. Members and Responsibilities may have many to many relationship.

M1 Responsibility *

Coding, Model, Planning, Communication

M2 Responsibility *

Presentation, Communication, Coding, Planning

M3 Responsibility

Report Writting, Coding, Model, Presentation

M4 Responsibility

Communication, Presentation, Coding, Planning

M5 Responsibility

If you have any comment or anything else, feel free to state here.

Comment (if any)

The responsibility distribution of the members are a rough estimation of the area that they are responsible for. But all members will be participating in all areas of our project. The distributuion may change during the project timeline.