



## **PROJECT PROPOSAL**

**20AML-1 B**

### **1. Project Title:-**



Facial Emotion Detection using Neural Networks.

### **2. Project Scope:-**



Facial Emotion Detection using Neural Networks has scope in many areas such as human computer interaction, biometric security provides insight into AI and ML that uses various supervised and unsupervised machine-learning algorithms to simulate the human brain. It play a very important role in nonverbal communication which appears due to internal feelings of a person that reflects on the faces and we determine it using this project.

### **3. Requirements:-**



- Python ,
- fer library for facial expressions recognition
- 4GB RAM (Minimum ) ,
- Windows 7 (minimum) ,
- Dual core processor ,
- Keras (Deep learning library),
- NLTK toolkit,
- Tensorflow,

#### 4. Estimated timeline:-

	Feb(12-18)	Feb (19-25)	Feb(26- Mar 4)	Mar(4-10)	Mar(11-17)	Mar(18-24)	Mar(25-31)	Apr(1-7)
<b>Proposal Submission</b>								
<b>Project Synopsis</b>								
<b>Report - 1</b>								
<b>Report - 2</b>								
<b>Outcome</b>								

#### OUTCOME:

Research Paper

#### STUDENTS DETAILS

Name	UID	Mobile Number	Signature
HITESH KUMAR (Leader)	20BCS6157	7000532456	hitesh
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#### APPROVAL AND AUTHORITY TO PROCEED

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature (with Date)
	Supervisor	