

Task Division:

1. Research Paper:

Assigned Members: 20BQ1A4251 (S. Sai Kumar)

- a. *Topic:* Video Metadata Generation and Classification.
- b. *Deep Learning Algorithms:* Long-term Recurrent Convolutional Networks (LRCNs), Convolutional Neural Networks (CNNs), Long Short-Term Memory (LSTM) units.

2. Design:

Assigned Members: 20BQ1A4259 (V. Mohan)

- a. Use case Diagram
- b. Requirement Matrix
- c. Class Diagram
- d. Object Diagram
- e. Low Fidelity Prototype using Figma

3. Implementation:

a. Frontend -

Assigned Members: 20BQ1A4259 (V. Mohan)

- Tech stack
 - i. HTML
 - ii. CSS
 - iii. JavaScript
- GUI Pages
 - i. Registration page
 - ii. Login page
 - iii. Forgot Password page
 - iv. Home page
 - v. Video Upload page
 - vi. My Videos page

vii. Video Classification page

b. Backend –

Assigned Members: 20BQ1A4251 (S. Sai Kumar)

- Teck stack

i.Django

- Deep Learning Model Implementation.

c. Database Connectivity –

Assigned Members: 20BQ1A4259 (V. Mohan)

Teck stack

i. MySQL

ii. MongoDB

iii. Amazon S3