



PARSHVARTH CHARITABLE TRUST
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)**

Academic Year: 2024 - 2025

Class: SE A

Sem: IV

Project Title: Social Media Trend Analyzer

Team Member 1: (Team Leader)

Name: Deep Shailendra Magar

College ID: 23106062 Email: 23106062@apsit.edu.in

Mobile No: 9309880814

Team Member 2:

Name: Shraddha Vikas Barge

College ID: 23106085 Email: 23106085@apsit.edu.in

Mobile No: 9773389966

Team Member 3:

Name: Yash Anil Chalke

College ID: 23106027 Email: 23106027@apsit.edu.in

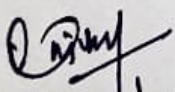
Mobile No: 9137788314

Team Member 4:

Name: Moksh Balkrishna Khule

College ID: 23106095 Email: 23106095@apsit.edu.in

Mobile No: 8850330317


Prof. Vijesh Nar
Project Guide

Prof. _____
Mini- Project Coordinator

Dr. _____
Head of Department



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)**

Academic Year: 2024 - 2025

Class: SE. A

Sem: IV

Date: From 10/01/25 to 16/01/25

Progress Planned	Progress Achieved
Finalize project topic and objectives	Selected "Social Media Trend Analysis as the project topic"
Conduct literature review on social media trend	Reviewed existing systems and methodologies.
Identify key platforms for data collections	Decides to focus on YouTube for data sources

Guides Review: Task completed. Asked to find relevant API's for the project.

Signature

Name and Signature of Team Member 1: Deep Nagar Deep Nagar

Name and Signature of Team Member 2: Shraddha Bange Shraddha Bange

Name and Signature of Team Member 3: Yash Chalkhe Yash Chalkhe

Name and Signature of Team Member 4: Moksh Khule Moksh Khule

Name of Project guide: Prof. Vijesh Nair

Signature of guide with Date: [Signature]
16/1/25



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: 3E A

Sem: IV

Date: From 17/01/25 to 23/01/25

Progress Planned	Progress Achieved
Explore YouTube Data API vs for data retrieval	Successfully connected to YouTube Data API vs.
Plan Data collection strategy for Youtube trending videos.	Retrieved sample data including views, likes and comments.
Set up initial project structure	Established project folders and initial scripts.

Guides Review: Asked to learn VADER and Matplotlib
& other libraries for project.

Signature

Name and Signature of Team Member 1: Deep Magar Deep Magar
Name and Signature of Team Member 2: Shraddha Bange Shraddha Bange
Name and Signature of Team Member 3: Yash Chalkhe Yash
Name and Signature of Team Member 4: Moksh Khule Moksh

Name of Project guide: Prof. Vijesh Train

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23/1/25



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE A

Sem: IV

Date: From 24/01/25 to 30/01/25

Progress Planned	Progress Achieved
Implement data aggregation methods	Aggregated Key metrics from YouTube data.
Begin sentiment analysis using VADER.	Applied VADER for sentiment analysis on video titles.
Design preliminary data visualization concepts	Drafted initial visualizations using Matplotlib

Guides Review: Enhancement on finding other
libraries to be done.

Signature

Name and Signature of Team Member 1: Deep Magan Deep Magan

Name and Signature of Team Member 2: Shradha Bange Shradha Bange

Name and Signature of Team Member 3: Yash Chauke Yash Chauke

Name and Signature of Team Member 4: Mohan Khule Mohan Khule

Name of Project guide: Prof. Vijesh Train

Signature of guide with Date: [Signature]
29/1/25



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE A

Sem: IV

Date: From 31/01/25 to 06/02/25

Progress Planned	Progress Achieved
Develop Flask-based API for data delivery.	Created Flask API to serve processed data.
Integrate caching mechanisms for efficiency.	Implemented caching to enhance performance.
Test API endpoints for data retrieval.	Verified API response with sample requests.

Guides Review: Study on flask API is done

Signature

Name and Signature of Team Member 1: Deep Nagar

Name and Signature of Team Member 2: Shraddha Bange

Name and Signature of Team Member 3: Yash Chavke

Name and Signature of Team Member 4: Noksh Khule

Name of Project guide: Prof. Vijesh Nair

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6/2/25



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE A

Sem: IV

Date: From 07/02/25 to 13/02/25

Progress Planned	Progress Achieved
Design interactive dash-board for data visualization.	Built dashboard using Plotly for dynamic charts.
Incorporate real time data updates	Enabled real-time data refresh functionality.
Enhance user interface for better experience.	Improved UI elements for clarity and usability.

Guides Review: User interface components to be improved.

Signature

Name and Signature of Team Member 1: Deep Nagar

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Name and Signature of Team Member 3: Yash Chauke

Name and Signature of Team Member 4: Moksh Khule

Name of Project guide: Prof. Vijesh Train

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13/2/25



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE - A

Sem: IV

Date: From 14/02/25 to 20/02/25

Progress Planned	Progress Achieved
Conduct comprehensive testing of the system	Performed unit and integration testing.
Validate data accuracy and consistency	Ensured data integrity across modules.
Gather feedback for improvements	Collected user feedback for further enhancements

Guides Review: Module specific functions to be improved by collecting feedbacks as much possible.

Signature

Name and Signature of Team Member 1: Deep Nagau.

Name and Signature of Team Member 2: Smraddha Bange

Name and Signature of Team Member 3: Yash Chalkhe

Name and Signature of Team Member 4: Moksh Khule.

Name of Project guide: Prof. Vijesh Nairu

Signature of guide with Date: [Signature]
20/2/25



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE-A

Sem: IV

Date: From 21/02/25 to 27/02/25

Progress Planned	Progress Achieved
Document system architecture and workflows	Created diagrams illustrating system components...
Prepare detailed user manual	Drafted user guide with step-by-step instructions
Plan for final Presentation	Outlined key points for project presentation.

Guides Review: Architectural diagram to be more precise and should exhibit functionalities.

Signature

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Name and Signature of Team Member 4: Moksh Khule

Name of Project guide: Prof. Vijesh Train

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24/2/25



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE - A

Sem: IV

Date: From 28/02/25 to 6/06/25

Progress Planned	Progress Achieved
Finalize project report and presentation slides.	Completed comprehensive project reports.
Rehearse presentation delivery.	Designed engaging presentation slides.
Submit project documentation	Submitted all required documents on time.

Guides Review: Literature review on various systems to be studied.

Signature

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Name and Signature of Team Member 4: Moksh Khule Moksh Khule

Name of Project guide: Prof. Vijesh Train

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6/3/25



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE - A.

Sem: IV.

Date: From 07/03/25 to 20/03/25

Progress Planned	Progress Achieved
Reflect on project outcomes and challenges.	Analyzed project successes and obstacles.
Identify areas for future work.	Proposed enhancements for future iterations.
Seek feedback from peers and mentors.	Received constructive feedback for growth.

Guides Review: _____

Asked to learn to find more functionalities of ML to add.

Signature

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Name and Signature of Team Member 4: Moksh Khule Moksh Khule

Name of Project guide: Prof. Vijesh Nair

Signature of guide with Date: [Signature]
20/3/25



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Academic Year: 2024 - 2025

Class: SE - A

Sem: IV

Date: From 21/03/25 to 03/04/25

Progress Planned	Progress Achieved
Explore integration with additional platforms	Investigated APIs for other social media platforms
Research advanced sentiment analysis technique	Studied machine learning models for sentiment analysis.
Plan for system scalability	Drafted scalability roadmap

Guides Review: Final report making to be done with exact models.

Signature

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Name and Signature of Team Member 3: Yash Chalke Yash Chalke

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Name of Project guide: Prof. Vijesh Nair

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3/4/25



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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Academic Year: 2024 - 2025

Class: SE A

Sem: IV

Date: From 04/04/25 to 10/04/25

Progress Planned	Progress Achieved
Implement advanced sentiment analysis models	Integrated machine learning models for improved analysis.
Enhanced dashboard with new features	Added new visualization components to dashboard
Prepare for final evaluation	Conducted final system evaluation and performance

Guides Review: Suggestions on report given.

Signature

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Name and Signature of Team Member 2: Shraddha Bange

Name and Signature of Team Member 3: Yash Chauke

Name and Signature of Team Member 4: Moksh Khule

Name of Project guide: Prof. Vijesh Nair

Signature of guide with Date: 10/4/25