Mini Project Logbook

Question Paper Generator

**Group Members :**

Subham Hadawle

Pranav Kotkar

Muhammad Faayez

Mayur Pimpude

**Supervisor/Guide**:

Mr. Amit Singh



**Department of Artificial Intelligence and Data Science**

Vivekanand Education Society’s Institute of Technology

Academic Year: 2022-2023

**Department of Artificial Intelligence and Data Science**

**2022-2023**

**Group No**: 9

**Project Title**: Question Paper Generator

**Guide**: Prof. Amit Singh

**Students Details**:

|  | Member-1 | Member-2 | Member-3 | Member-4 |
| --- | --- | --- | --- | --- |
| Roll No | 17 | 30 | 35 | 43 |
| Name | Subham Hadawle | Pranav Kotkar | Muhammad Faayez | Mayur Pimpude |
| Class | D11AD | D11AD | D11AD | D11AD |
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| Signature |  |  |  |  |

Course Outcomes

**Course Outcome:**

1. Identify problems based on societal /research needs.
2. Apply Knowledge and skill to solve societal problems in a group.
3. Develop interpersonal skills to work as a member of a group or leader.
4. Draw the proper inferences from available results through theoretical/ experimental/simulations.
5. Analyse the impact of solutions in societal and environmental context for sustainable development.
6. Use standard norms of engineering practices
7. Excel in written and oral communication.
8. Demonstrate capabilities of self-learning in a group, which leads to lifelong learning.
9. Demonstrate project management principles during project work.

**Proposed Schedule for Mini Project**

| **Week/ Date** | **Content** | **Time Required** | **Remark** | **Signature** |
| --- | --- | --- | --- | --- |
| Jan 16, 2023 | How to approach idea | 4 hours |  |  |
| Jan 23, 2023 | Analysis of the best OCR model for a project (Google,Azure etc.) | 2 hours |  |  |
| Jan 30, 2023 | OCR performance Analysis | 3 hours |  |  |
| Feb 6, 2023 | Integrating OCR with T5 transformer | 2 hours |  |  |
| Feb 13, 2023 | Testing The application in raw state | 10 hours |  |  |
| Feb 20, 2023 | Discussion should make APP or Website | 3 hours |  |  |
| Feb 27, 2023 | Discussion on which framework to proceed for website | 4 hours |  |  |
| Mar 1, 2023 | Discussion whether to write a research paper on the topic. | 1 hour |  |  |
| Mar 6, 2023 | To fix design of website | 3 hours |  |  |
| Mar 13, 2023 | Discussion on new features that can be added to website | 2 hours |  |  |
| Mar 20, 2023 | Adding email function to send question paper generated | 1 hour |  |  |
| Mar 22, 2023 | Should we integrate openAI api to website | 3 hours |  |  |
| Mar 27, 2023 | Testing the whole software | 7 hours |  |  |
| Apr 3, 2023 | Note on issues and try to resolve problems | 2 hour |  |  |
| Apr 10, 2023 | Discussion on future scope of project | 4 hours |  |  |

**2022-2023**

**Mini-Project Progress Report**

**Sem – 6**

**Project Gr No**: 9

**Title**: Question Paper Generator

**Guide**: Mr. Amit Singh

| **Roll No** | **Name of Project Member** |
| --- | --- |
| 17 | Shubham Hadawle |
| 30 | Pranav Kotkar |
| 35 | Muhammad Faayez |
| 43 | Mayur Pimpude |

| **Week/Date** | **Work Done** | **Students Present** | **Sign of Guide** |
| --- | --- | --- | --- |
| 1 | How to approach the project for further development   * Using OCR Model * To increase the accuracy of the model. * By deploying on Website/App. * By increasing the difficulty level. | Mayur Pimpude |  |
| Shubham Hadawle |
| Pranav Koktar |
| Muhammad Faayez |
| 2 | Analysis of the best OCR Model on the Project.   * Google * Azure | Mayur Pimpude |  |
| Shubham Hadawle |
| Pranav Koktar |
| Muhammad Faayez |
| 3 | Shortlisted an OCR Model. | Mayur Pimpude |  |
| Shubham Hadawle |
| Pranav Koktar |
| Muhammad Faayez |
| Did a performance analysis on OCR | Mayur Pimpude |  |
| Shubham Hadawle |
| Pranav Koktar |
| Muhammad Faayez |
| 4 | Started integration of OCR with T5 transformer | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| 5 | Performed tests on the raw application. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| Discussed on what is to be made, an App or a website. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| 6 | Decided to go with a website and started searching for potential frameworks. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| Discussed whether a research paper on the project is viable or not. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| 7 | Explored various designs and fixed one of them. | Mayur Pimpude |  |
| Shubham Hadawle |
| Pranav Kotkar |
| Muhammad Faayez |
| Explored various features that could be added to the website. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| 8 | Added these features to the website. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| Added the function to automate sending of the question paper to the selected email. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| 9 | Discussed whether to integrate the openAI API or not. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| Performed tests on the whole software. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| 10 | Note down the issues one by one. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| Fixed some of the noted errors in the website. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| 11 | Refactored the code and optimized the website wherever possible. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |
| Discussed on the future scope of the project. | Mayur Pimpude |  |
| Shubham Hadawle |
| Muhammad Faayez |
| Pranav Kotkar |