

# PROJECT PLAN DOCUMENT

Project number	<b>20</b>
Project Title	<b><i>Customized Learning Assessment Generation</i></b>
Document	Project Plan
Creation date	<b>31/01/2024</b>
Created By	<b><i>Archisha Panda (2022111019), Gargi Shroff (2022114009), Ankith Pai (2022113012), Prakhar Jain (2022115006)</i></b>
Client	<b><i>Arjun Rajasekar, RCTS IIIT Hyderabad</i></b>
Status Tracker	<b><u><a href="#">Status Tracker Link</a></u></b>

## Brief problem statement

- This application is intended to help the teachers assess students more effectively, by automating the task of assessment generation leveraging the power of LLMs.
- In addition to lightening the burden of teachers, this solution aims to make it easier to personalize assessment generation based on the context the teacher wants to inculcate into the subjects, to make it more engaging and useful to the students.
- These assessment questions can also be adjusted by the teacher, as the goal is not just to test student's memorization skills, but instead help in holistic and value-based learning.
- With this approach, a large dataset of assessments could be built and saved, giving a wide range of problems and ideas to apply.

## Team Members

Member Names	Role in project
<b>Ankith Pai</b>	Backend Development, Test writing
<b>Gargi Shroff</b>	Frontend Development, Document Creation
<b>Archisha Panda</b>	Frontend Development, Document Creation
<b>Prakhar Jain</b>	Backend Development, Database Management

## Team Communication

Our team plans to meet twice a week to discuss project details and keep everyone onboard updated with the latest progress. We use WhatsApp for online communication and have fixed a weekly meeting with the client every Wednesday or Friday (subject to change) at their office.

## Development Environment

We plan to use the following tools during development of our project:

- MERN Stack
  - MongoDB for database
  - React for frontend
- Python
- Flask
- GitHub (as a git remote, for collaborating)

## Milestone Schedule

Milestone	Due Date	Release	Deliverable?
<i>Create draft requirements</i>	07/02/24	R1	No
<i>Finalize requirements, add project plan</i>	14/02/24	R1	Yes
<i>Add SRS document</i>	17/02/24	R1	Yes
<i>Implement initial backend API</i>	20/02/24	R1	Yes
<i>Basic UI design of the user input form (page 1), integration with backend</i>	21/02/24	R1	Yes
<i>Add test planner</i>	22/02/24	R1	Yes
<i>Making API calls to LLMs</i>	06/03/24	R1	Yes
<i>Implement UI of generated questions output (page 2)</i>	08/03/24	R1	Yes
<i>Add design document</i>	11/03/24	R1	Yes
<i>Allowing the users to upload reading materials, in the form of PDFs.</i>	13/03/24	R1	Yes
<i>Implement export assessment as PDF</i>	14/03/24	R1	Yes
<i>Handle PDF by passing context to LLM</i>	23/03/34	R2	Yes
<i>Implement assessment editability (page 2)</i>	30/03/24	R2	Yes
<i>Implement Assessment History (page 3)</i>	17/04/24	R2	Yes