REQUIREMENT COLLECTION FORM

Note: Read the Guidelines carefully, before submitting.

Name	Pranav PB
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College Name	Sri Venkateswara College of Engineering
Project Title	Personalized Learning Platform Using Machine Learning
Base Paper Link	https://drive.google.com/drive/folders/1QRqrVo8i95D6U1pQIhnkkTOzOtCmiA1S?usp=drive_link https://link.springer.com/article/10.1007/s41870-023-01165-2
Expected Inputs	Login page for a student Video lecture(about any topic) played in a web page, along with quiz questions In the data base it is mentioned if the video link or video lecture is easy, medium or difficult level by the admin or course provider
Expected Outputs	Based on quiz scores personalised content is recommened Example: A student watches a video on C pointers and makes mistakes in double pointers in the quiz An easy video on double pointer is recommended after the completion of the quiz If the student consistently scores less in quizzes it recommends easy lectures only for upcoming C topics
Dataset (If Available)	Nil
Algorithm (If Known)	Clustering for grouping learners with similar interests Vector space model to used to recommend items (like study materials or content) to a specific learner (referred to as the target student).

Website Requirement: (Customized Website may charge extra in case of AI/ML and CSE projects.)	ML doesn't need to read the content and understand if if is difficult or easy, which is already in the database It needs to just recommend it to user according to test scores (and other factors like time spent by user for studying/concentration level **if possible**)
Tech Stack: (In case of Full stack project)	HTML CSS PYTHON PHP/Flask for back end Any other if necessary
Weather need to deploy Website (In case of full stack project, may charge extra)	No need to deploy Running in PC or local server is enough
Deadline	Within October 2nd week
Comments	Nil
Workflow	Front end of project -> Data storage(test score of a student id) at back end -> ML recommendation algorithm(easy or difficult content based on test scores)

Points to Note:

- The project development strictly adheres to the provided algorithm and workflow

- Changes to the above-mentioned entities results in the **entire reconstruction** of the project

- Leave the cells blank if you do not have the necessary data

- Explain everything in detail, requirements that are not mentioned in the form will **cost extra** as per requirement.

- Dataset and algorithms **will not be changed later** once a project development is started