Centre of Excellence on Data Science and Machine Learning (A Centre of Excellence of Artificial Intelligence created under Information Technology & Electronics department, Govt. of West Bengal, managed by WEBEL

Monthly Report for Interns

Name of the Intern: RIK MONDAL

Name of the Project: AI ASSISTED TRAINING

Time Period: 4th December - 3rd January

Days Present: 9 days
        December 2025 ; Present on: 4,5,10,12,19,22,23,24,29

Date of Meeting Stakeholder: 18th December, 2025 and 24th December, 2025

Date of BSK visit : 23nd December, 2025

Name of BSKs visited : Salt Lake City Library BSK

Activity (with Hours) :

Sl no.	Activity	No. of Hours
1	Requirement discussion and understanding through stakeholder meetings	3
2	BSK visit for ground level understanding	4
3	Clustered analysis of the top 20 services of each BSKs	10
4	Developed the BSK Training Video Generator module for automated training content creation.	15
5	Built an interactive Streamlit web interface with caching and output management.	12
6	AI-powered slide generation from PDFs or form input, with text-to-speech narration and dynamic images.	10
7	Deployed a recommendation system and automated report generation for underperforming BSK modules on Render.	15

Deliverables :

- Test Report: Detailed evaluation of the existing training process on the next 6months data.

- Automatically combines slides, audio, avatars, and PDFs into professional training videos.

- The detailed Clustering report of BSKs.

- An interactive UI for taking service details from form field or the service details in PDF format.
- Deployment: Successfully deployed the current Training System.

Planned Activity for Upcoming Period :
- Improve the dashboard by adding weekly reports on BSK-wise service usage.
- Develop and expose backend APIs using FastAPI to enable seamless integration with the BSK website frontend.
- Develop district- and service-wise heatmaps for improved performance visualization.

Rik Mondal.
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Signature of Intern   Signature of Mentor