BIRLA INSTITUTE OF TECHNOLOGY & SCIENCE, PILANI
WORK INTEGRATED LEARNING PROGRAMMES (WILP) DIVISION

Final Evaluation Sheet

BITS ID No. : 2023AC05729

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NAME OF THE SUPERVISOR : PHANI KUMAR PVSKP

PROJECT TITLE : INTELLIGENT DATA QUALITY MONITORING USING MACHINE LEARNING FOR REGULATORY REPORTING SYSTEMS

Final Evaluation Please put a tick (✔) mark in the appropriate box)

S. No.	Evaluation Component	Excellent	Good	Fair	Poor
1.	**Final Project Report**	✔			
2.	**Final Seminar and Viva-Voce**	✔			

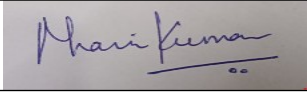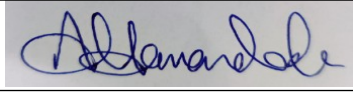| S. No.	Evaluation Criteria	Excellent	Good	Fair	Poor
1	**Technical/Professional Competence**	✔			
2	**Work Progress and Achievements**	✔			
3	**Documentation and expression**	✔			
4	**Initiative and Originality**	✔			
5	**Research & Innovation**	✔			
6	**Relevance to the work environment**	✔			

✔

Please ENCIRCLE the Recommended Final Grade: Excellent / Good / Fair / Poor

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Remarks of the Supervisor:

The dissertation presents a practical and well-executed application of AI/ML techniques to improve data quality monitoring in financial regulatory reporting. The student has developed an end-to-end framework combining rule-based validation with multiple unsupervised models such as Isolation Forest, LOF, OCSVM, PCA, and Autoencoder, along with explainability using SHAP and a functional dashboard for analysis.

The work demonstrates strong technical understanding, systematic experimentation, and clear interpretation of results. Importantly, the solution closely aligns with the data quality challenges and reporting requirements observed in the HSBC regulatory reporting project, making the work highly relevant and practically applicable.

I am satisfied with the quality of the work and recommend this dissertation for acceptance.

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