7PAM2002 Data Science Project Module

Choosing a Project Form

Semester B 2025/2026

This form will be used by your supervisor to agree on your project topic and dataset. Complete as much of the form as possible then submit the form into 'Assignments' on the Project Module Canvas site.

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Course: 1 year

Semester intake to the course: B

Section A	
What is your proposed project title or topic?	Prediction of Blood Glucose Levels Using Deep Learning
What is the research question for your project?	Can deep learning models accurately predict blood glucose levels for the next hour using historical glucose data?
Dataset website address (or organisation and person the dataset is from).	https://github.com/IrinaStatsLab/GlucoBench
Where was the data originally collected? (who, when ,where)	The data was collected from Continuous Glucose Monitoring (CGM) devices and published by the GlucoBench research group for academic research purposes.
What type of data are you using?	Time-series numerical data (continuous glucose readings)
Section B	
Can you attend all 6 supervision sessions on-campus?	Yes

What was the subject of your BSc degree and any other Master's degrees you have taken?	BSc in Computer Science MSc in Data Science
What are your career aims and/or the industry sector you would like to get into?	I aim to work in Data Science or Machine Learning, especially in healthcare and predictive analytics.
A brief account of your programming/data science experience:	I have experience in Python, data analysis, machine learning, and deep learning. I have worked with time-series data, model training, and evaluation using libraries such as Pandas, TensorFlow, and Scikit-learn.
Any work experience (including non-computing related):	I have professional experience in technical and customer service roles, developing strong analytical and communication skills.
Do you have any hobbies, activities or interests?	I am interested in data science, artificial intelligence, and health-related research.