

PSG COLLEGE OF TECHNOLOGY, COIMBATORE - 641 004
MASTER OF COMPUTER APPLICATIONS Semester: 3
TUTORIAL TEST IV Date: 29.09.2025
23MXAH MACHINE LEARNING

CASE STUDY QUESTION

A bank wants to predict whether a loan application will be approved based on various factors such as applicant income, credit score, loan amount, and employment status. The goal is to develop a machine learning model that can help in making quick and informed decisions on loan approvals. Imagine that you are a data scientist working for this large banking enterprise. Your task is to build a model for the same task. Answer the following, in the above scenario.

1. List the key features that could impact loan approval decisions.
2. Choose the most appropriate model for this scenario.
3. Justify your choice based on evaluation metrics.
4. Design a plan for implementing the selected model.