

# School of Computing Science and Engineering

Department of Computer Application

Mid Term Examination

Exam Date: 03 Oct 2023

Time : 90 Minutes

Marks : 50

## Sem V - E1UB501B - Machine learning for Data Science

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Compare learning vs programming. K2 (2)
- 2) What are the factors affecting the performance of machine learning algorithm? K1 (3)
- 3) Explain characteristic of machine learning models. K2 (4)
- 4) Compare generic machine model and discriminate machine learning model. K2 (6)
- 5) Build the machine learning framework. K3 (6)
- 6) Consider any machine learning task. Explain it in the context of structure of learning. K3 (9)
- 7) Examine supervised learning category and technique. K4 (8)
- 8) Examine in detail about machine learning process with an example. K4 (12)

**OR**

Explain what are the evaluation approaches you would work to measure the effectiveness of a machine learning model? K4 (12)