



SCHOOL OF INFORMATION TECHNOLOGY
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PATTERN RECOGNITION (AL503)

ASSIGNMENT

1. What is a “pattern”? Briefly discuss applications of Pattern Recognition.
2. Differentiate Supervised learning and Unsupervised learning
3. Explain loss function? How can it be factored into Bayes Decision theory?
4. What is k-NN learning?
5. Explain the term Parzen window, density estimation in brief.
6. What is pattern classification? What are major paradigms of machine learning
7. Discuss any unsupervised learning algorithm with an example