DEPARTMENT OF COMMERCE

ACOMVAC01- Artificial Intelligence and Its Applications in Business

Learning Objectives

To introduce the concepts of Artificial Intelligence and its applications

To familiarize the concepts of Knowledge and Reasoning, Planning, Learning and Communication aspects of Artificial Intelligence

To impact applied knowledge on Artificial Intelligence in Business

Course Outcomes

Understand the concepts of Artificial Intelligence in relation to Business

- Gain the knowledge of reasoning and difference between the human intelligence and machine intelligence.
- Understand Learning and communicating to the get the applications of Natural Language Processing.
- Gain knowledge on Robotics and Nanotechnology.
- Understand Artificial Intelligence based applications to enhance business process.

Unit I Introduction

Introduction - Intelligent Agents- Problem Solving

Unit II Knowledge

Knowledge and Reasoning - Knowledge Representation- Knowledge Acquisition

Unit III Planning

Planning – Planning and Acting in the Real World

Unit IV Learning

Learning - Knowledge in Learning- Statistical Learning Methods - Reinforcement Learning

Unit V Communication

Communicating, Perceiving, and Acting - Natural Language Processing Communication– Robotics.

Text Books

Dhanrajani, S. 2018. AI and Analytics: Accelerating Business Decisions (2 ed.). New York: Wiley.

Finlay, S. 2018. Artificial Intelligence and Machine Learning for Business (3 ed.). Relativistic.

Prabhat Kumar . 2019. Artificial Intelligence: Reshaping Life and Business (1 ed.).New Delhi: BPB Publications.

Supplementary Readings:

John Medicine, 2019. Artificial Intelligence Business Applications (1 Ed.). New Delhi.

Rose, D. 2018. Artificial Intelligence for Business (1 Ed.). Chicago Lakeshore Press.

Yao, M., Zhou, A. and Jia , M. 2019. Applied Artificial Intelligence: A Handbook for Business Leaders (1 ed.). New York: TOPBOTS.