

**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 impart 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 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.