

Anekant Education Society's

TuljaramChaturchand College

Of Arts, Science & Commerce

Department of Computer Science

Credit: 02

Duration: 2 month

Certificate Course: Oracle I-learning Academy Online Course

Course Name: "Artificial Intelligence with Machine Learning in Java."

Course Objective: Introduction to Artificial Intelligence

Course outcome: Evaluate the advantages, challenges.

Course module:

1. Introduction

- Introduction to AI
- Introduction to Data & Information.

2. Machine Learning

- Reasons behind the growth in AI
- Understand the growth in processing power
- Understand the use of models within machine learning
- Understand the CRISP-DM model

3. Trees and Recursion

- Understand a node, binary tree & create node class
- Recursion
- Tree traversal
- Yes/No game use of decision tree

4. Entropy & The ID3 algorithm

- Decision tree algorithm, ID3 algorithm
- Information Entropy
- ID3 ex-calculate entropy, calculate gain
- Create ID3 tree, non-binary tree structure



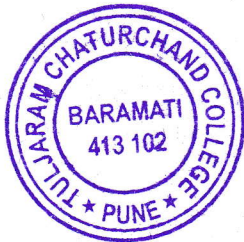
Conduction process:

- Step 1: Student enrollment process for this course under oracle ilearning academy member account
- Step 2: After enrollment we will conduct this course within 2 month
- Step 3: All student conduct 3 exam detail is as follows
 - ✓ Test 1 on-(Module 1,Module 2)
 - ✓ Test 2 on-(Module 3,Module 4)
 - ✓ Final Test on-(All Module)
- Step 4: After completion above 2 test & final test we will issue certificate

Co-ordinator name:

1: Shinde Nikita Ramesh.(B1)

2: Theurkar Komal Manoj.(B2)



Head

(Department of Computer science)