

M.L.Dahanukar College of Commerce

Teaching Plan: 2019 - 20

Department: I.T.

Class:M.Sc.(I.T.) Part-II

Semester:IV

Subject:Artificial Intelligence

Name of the Faculty:MrDhanrajJadhav

Month	Topics to be Covered	Internal Assessment	Number of Lectures
January	Unit I: Introduction, Logic & Computation, Heuristic Search		12
February	Unit II: Game Playing, Knowledge Representation, Automated Reasoning Unit III: Probabilistic Reasoning.		18
March	Unit III: Knowledge Acquisition Unit IV: Planning, Constraint Satisfaction Problem		18
April	Unit V: Knowledge Based system, Prolog		12

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M.L.Dahanukar College of Commerce

Teaching Plan: 2019 - 20

Department: I.T.

Class:M.Sc.(I.T.) Part-II

Semester:IV

Subject:Cloud Management

Name of the Faculty: Ms. Sayali Parab

Month	Topics to be Covered	Internal Assessment	Number of Lectures
January	Unit I: Virtualized Data Center Architecture: Cloud infrastructures, public, private, hybrid. Service provider interfaces: SaaS, PaaS, IaaS. VDC environments. Managing VDC and cloud environments and infrastructures.		08
February	Unit II: Storage Network Design. Introduction to iSCSI. Unit III: Cloud Management		18
March	Unit III: Managing Hyper-V environment with VMM 2012. Unit IV: Managing and maintaining with Configuration Manager 2012		18
April	Unit V: Implementing Monitoring. Building private clouds. System Orchestrator 2012.		18

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M.L.Dahanukar College of Commerce

Teaching Plan: 2019 – 20

Department: I.T.

Class: M.Sc.(I.T.)

Semester:IV

Subject: Intelligent Systems

Name of the Faculty: Srushty Padte

Month	Topics to be Covered	Internal Assessment	Number of Lectures
January	Intelligent Agents- Agents and Environment, Good Behaviour, Concept of rationality, Nature of environment, Structure of agents. Problem solving agents, searching, Uniformed search		6 lectures
February	Informed Search, Local Search Games- Optimal decisions, Alpha-Beta pruning, Real time decisions, Stochastic games, CSP, Structure of problem Logical Agents- KBA, Wumpus world, Propositional Logic, Theorem, Agents based on propositional logic. First Order logic- Representation, Syntax, Semantics, Using FOL, Knowledge engineering, Inference, Propositional vs FOL, Unification, Lifting, Forward and Backward Chaining, Resolution.		16 lectures
March	Planning-classical planning, algorithm, planning graph, hierarchical planning, acting in non-deterministic domains, Multiagent planning. Probabilistic Reasoning- representation in uncertain domain, Bayesian theorem, representation of conditional distribution, exact and approximate inference in Bayesian theorem, Relational and FOL models, Approaches to uncertain reasoning.		16 lectures
April	Probabilistic reasoning over time. Simple decision making- beliefs and desire under uncertainty, basis of utility theorem, utility functions, multiattribute utility function, decision network. Complex decision making. Knowledge in learning- forms and types of		16 lectures

	learning, explanation based learning etc.		
May	Statistical and reinforced learning, complete data learning, hidden variables, EM algorithm, reinforcement learning, applications. Natural language reasoning-Language models, text classification, Info. Retrieval, Robotic perception, Moving robotic software architecture, Applications.		4 lectures

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P.T.V.A.'s
M.L.Dahanukar College of Commerce

Teaching Plan: 2019 – 20

Department: Information Technology

Class: M.Sc (part II) – Sem-IV

Subject: ITIM

Name of the Faculty: Prof. SuprithaBhandary

Month	Topics to be Covered	Internal Assessment	Number of Lectures
JAN	Introduction, the 4 p's of ITSM, benefits of ITSM, what is ITIL		06
FEB	Process and Functions: service life cycle, service strategy, objectives, creating service value, service package, service portfolio mgt, financial mgt, demand mgt Service design: five major aspects of service design, service level mgt, supplier mgt, service catalogue mgt, capacity mgt, availability mgt		17
MAR	Service transition: knowledge mgt, service asset and configuration mgt, change mgt, release and deployment mgt, service validation and testing Service operation: objectives, service operation function, service desk, technical mgt, technical mgt, application mgt, event mgt, problem mgt	Class Test	20
APR	Continual service improvement: objectives, major concepts, service level mgt, service measurement and reporting, 7 step improvement process, CSI process		17

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