

ML Dahanukar College
Teaching Plan: 2023 - 24

Department: I.T. Class: MSc.(I.T.) Part-II Semester: III

Subject: Technical Writing and Entrepreneurship Development

Name of the Faculty: Mr Dhanraj Jadhav

Month	Topics to be Covered	Internal Assessment	Number of Lectures
July	Unit I Introduction to Technical Communication: What Is Technical Communication? The Challenges of Producing Technical Communication, Characteristics of a Technical Document, Measures of Excellence in Technical Documents, Skills and Qualities Shared by Successful Workplace Communicators, How Communication Skills and Qualities Affect Your Career? Understanding Ethical and Legal Considerations: A Brief Introduction to Ethics, Your Ethical Obligations, Your Legal Obligations, The Role of Corporate Culture in Ethical and Legal Conduct, Understanding Ethical and Legal Issues Related to Social Media, Communicating Ethically Across Cultures, Principles for Ethical Communication		10
August	Writing Technical Documents: Planning, Drafting, Revising, Editing, Proofreading Writing Collaboratively: Advantages and Disadvantages of Collaboration, Managing Projects, Conducting Meetings, Using Social Media and Other Electronic Tools in Collaboration, Importance of Word Press Website, Gender and Collaboration, Culture and Collaboration. 12 CO1 Unit II Introduction to Content Writing: Types of Content (Article, Blog, E-Books, Press Release, Newsletters Etc), Exploring Content Publication Channels. Distribution of your content across various channels. Blog Creation: Understand the psychology behind your web traffic, Creating killing landing pages which attract users, Using Landing Page Creators, Setting up Accelerated Mobile Pages, Identifying UI UX Experience of your website or blog. Organizing Your Information: Understanding Three Principles for Organizing Technical Information, Understanding Conventional Organizational Patterns, Emphasizing Important Information: Writing Clear, Informative Titles, Writing Clear, Informative Headings, Writing Clear Informative Lists, Writing Clear Informative Paragraphs.		20
September	Unit III Creating Graphics: The Functions of Graphics, The Characteristics of an Effective Graphic, Understanding the Process of Creating Graphics, Using Color Effectively, Choosing the Appropriate Kind of Graphic, Creating Effective Graphics for Multicultural Readers. Researching Your Subject: Understanding the Differences Between Academic and Workplace Research, Understanding the Research Process, Conducting Secondary Research, Conducting Primary Research, Research and Documentation: Literature Reviews, Interviewing for Information, Documenting Sources, Copyright, Paraphrasing, Questionnaires. Report Components: Abstracts, Introductions, Tables of Contents, Executive Summaries, Feasibility Reports, Investigative Reports, Laboratory Reports, Test Reports, Trip Reports, Trouble Reports Unit IV Writing Proposals: Understanding the Process of Writing Proposals, The Logistics of Proposals, The “Deliverables” of Proposals, Persuasion and Proposals, Writing a Proposal, The Structure of the Proposal. Writing Informational Reports: Understanding the Process of Writing Informational Reports, Writing Directives, Writing Field Reports, Writing Progress and Status Reports, Writing Incident Reports, Writing Meeting Minutes. Writing Recommendation Reports: Understanding the Role of Recommendation Reports, Using a Problem-Solving Model for Preparing Recommendation Reports, Writing Recommendation Reports. Reviewing, Evaluating, and Testing Documents and		20

	Websites: Understanding Reviewing, Evaluating, and Testing, Reviewing Documents and Websites, Conducting Usability Evaluations, Conducting Usability Tests, Using Internet tools to check writing Quality, Duplicate Content Detector, What is Plagiarism?, How to avoid writing plagiarism content? Innovation management: an introduction: The importance of innovation, Models of innovation, Innovation as a management process. Market adoption and technology diffusion: Time lag between innovation and useable product, Innovation and the market , Innovation and market vision ,Analysing internet search data to help		
October	Unit V: Managing innovation within firms: Organisations and innovation, The dilemma of innovation management, Innovation dilemma in low technology sectors, Dynamic capabilities, Managing uncertainty, Managing innovation projects Operations and process innovation: Operations management, The nature of design and innovation in the context of operations, Process design, Process design and innovation Managing intellectual property: Intellectual property, Trade secrets, An introduction to patents, Trademarks, Brand names, Copyright Management of research and development: What is research and development?, R&D management and the industrial context, R&D investment and company success, Classifying R&D, R&D management and its link with business strategy, Strategic pressures on R&D, Which business to support and how?, Allocation of funds to R&D, Level of R&D expenditure Managing R&D projects: Successful technology management, The changing nature of R&D management, The acquisition of external technology, Effective R&D management, The link with the product innovation process, Evaluating R&D projects		10

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M.L. Dahanukar College of Commerce

Teaching Plan: 2021 - 22

Department: I.T.

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

Semester: III

Subject: Applied Artificial Intelligence

Name of the Faculty: Ms. Shraddha Sharad Kadam

Month	Topics to be Covered	Internal Assessment	Number of Lectures
August	Review of AI		6
August/ September	Expert Systems and its Application Implementation of Rule Based System.		8
September	Design a bot using AIML Designing of an Expert system using AIML		4
September	Probability Theory		8
September	Implement Bayes Theorem using Python Implement Conditional Probability and joint probability using Python		4
September	Machine Learning		8
October	Fuzzy Sets and Fuzzy Logic Design a Fuzzy based application		8
October	Supervised Algorithm implementation		4
October	Artificial Neural Network Implementing SVM		8
October	Evolutionary Computation Genetic Algorithms implementation		8
November	Intelligent Agents Implementing Intelligent agents		8
November	Advanced Knowledge Representation Techniques		8
November	Natural Language Processing Designing Semantic Web and Language Parser		8
November	Unsupervised Algorithm Implementation		4

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M.L. Dahanukar College of Commerce

Teaching Plan: 2021 - 22

Department: I.T.

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

Semester: III

Subject: MACHINE LEARNING

Name of the Faculty: MARIA MUTHUKUMAR

Month	Topics to be Covered	Internal Assessment	Number of Lectures
JULY	UNIT – 1 Introduction to Machine learning, models		12
AUGUST	UNIT – 2 Classification, Regression		12
SEPTEMBER	UNIT – 3 Theory of Generalization, Linear models		12
OCTOBER	UNIT – 4 Logic models, Rule-based models, and Tree models		12
NOVEMBER	UNIT – 5 Probabilistic and Recent Trends in ML		8

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Department: I.T. Class: MSc.(I.T.) Part-II Semester: III

Subject: Technical Writing and Entrepreneurship Development

Name of the Faculty: Mr Dhanraj Jadhav

Month	Topics to be Covered	Internal Assessment	Number of Lectures
July	Unit 1, Ch 1: Introduction		04
August	Unit 1, Ch 2 Record and Play Unit 2, Ch 3 Sequence, Flowchart, and Control Flow Unit 2, Ch 3 Sequence, Flowchart, and Control Flow Unit 2, Ch 4 Data Manipulation Unit 2, Ch 4 Data Manipulation		20
September	Unit 3, Ch 5 Taking Control of the Controls Unit 3, Ch 5 Taking Control of the Controls Unit 3, Ch 6 Tame that Application with Plugins and Extensions		12
October	Unit 4, Ch 7 Handling User Events and Assistant Bots Unit 4 Ch 8 Exception Handling, Debugging, and Logging Unit 5, Ch 9 Managing and Maintaining the Code Unit 5, Ch 10 Deploying and Maintaining the Bot		16

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