

Marathwada Mitra Mandal's College of Engineering

Karvenagar, Pune- 52

An Autonomous Institute Permanently Affiliated to SPPU



Curriculum Structure and Syllabus

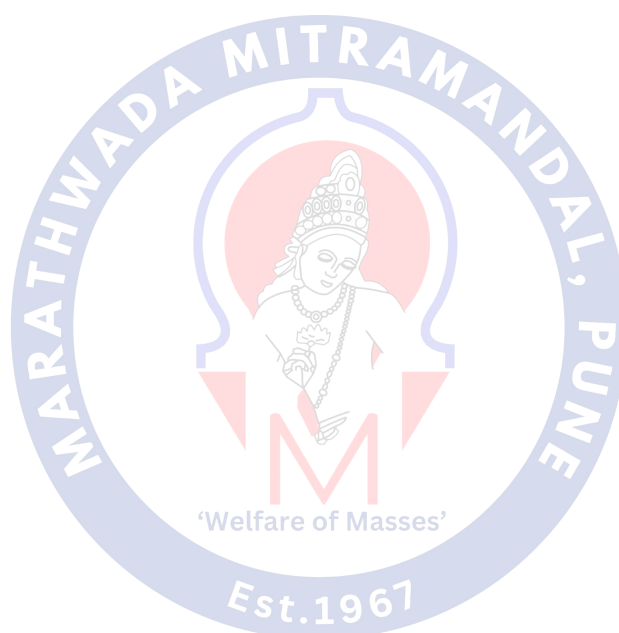
Open Elective

“येथे बहतांचे हित”
A.Y. 2026-27

Accredited with A++ grade by NAAC
Recipient of Best College award by SPPU | Accredited by NBA
Recognized under 2(f) and 12(B) of UGC Act 1956
www.mmcoe.edu.in

DISCLAIMER

This booklet contains the detailed course contents of all Open Elective (OEL) courses offered by the Institute. It is intended to help students make informed choices while selecting Open Elective courses while also providing an overview of the key features of the Institute's academic system related to the same. Please note that the specific details of courses or the rules mentioned in this booklet may be subject to modifications or minor changes as approved from time to time in the meetings of the Board of Studies.



This booklet is intended solely for the students of Marathwada Mitra Mandal's College of Engineering, Pune and is published exclusively for internal use and private circulation.

About Marathwada Mitra Mandal's College of Engineering

MMCOE has been recognised as the BEST COLLEGE by SPPU. MMCOE is one feather in the cap of Marathwada Mitra Mandal's Pune, from the academic year 2006 – 2007.

The Institute offers six undergraduate engineering programmes in Electrical Engineering, Mechanical Engineering, Electronics & Telecommunication Engineering, Information Technology, Computer Engineering, and Artificial Intelligence & Data Science. In addition, it offers six postgraduate programmes M.Tech (Electrical – Power Electronics & Drives), M.Tech (Mechanical – Design Engineering), M.Tech (Electronics & Telecommunication – VLSI & Embedded Systems), M.Tech (Information Technology – Data Science), M.Tech (Computer Engineering), along with a Ph.D. programme in Computer Engineering. It houses 2000+ students and 200+ staff members. Along with the focus on core academics, college also takes care of overall personality development of the students.

The college has an active robotics cell, NCC, Training and Placement cell etc. The students are motivated to actively participate in co-curricular and extra-curricular activities. They have brought many laurels to the Institute in the events such as Vinodottam Karandak, Firodiya Karandak, Zest, Dexterity etc.

Institute Vision

To be a globally renowned institution through excellence in engineering education for sustainable and holistic development

Institute Mission

M1: Empower students with cutting-edge technologies and global competencies

M2: Foster culture of research and entrepreneurial mindset

M3: Imbibe social and professional values

M4: Provide an inclusive environment for lifelong learning

Preface

In today's rapidly evolving world, engineering education must transcend the boundaries of traditional disciplines to nurture innovation, adaptability, and holistic thinking. In alignment with this vision, the National Education Policy (NEP) has emphasized the introduction of open elective courses as a strategic enhancement to the engineering curriculum.

The NEP 2020 envisions a learner-centric education system that encourages students to explore areas of interest beyond their core discipline. In line with this vision, MMCOE offers a wide range of Open Elective courses that enable students to broaden their academic exposure, acquire interdisciplinary knowledge, and develop industry-relevant competencies.

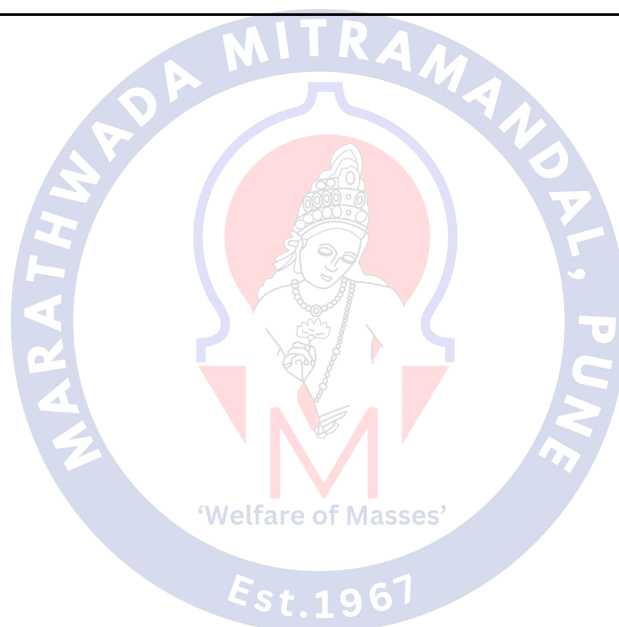
To meet the evolving demands of industry and society, engineering education must go beyond conventional boundaries. In line with this vision, autonomous colleges now offer open elective courses that allow students to broaden their knowledge and skill sets beyond their core engineering disciplines.

The Open Elective curriculum has been carefully designed to promote innovation, critical thinking, creativity, and collaborative learning while addressing the evolving needs of industry and society. By providing flexibility in course selection, these electives empower students to pursue their interests, enhance employability, and prepare for higher studies, research, entrepreneurship, and diverse career opportunities.

This booklet presents the detailed syllabus of all Open Elective courses offered by the Institute, serving as a comprehensive guide to help students make informed course selections. These courses will enrich the learning experience of our students and contribute to developing competent, versatile, and socially responsible engineering professionals in accordance with the spirit of NEP 2020.

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Open Electives Curriculum Structure

Course Code	Course Name	Teaching Scheme (Hrs/week)				Examination Scheme						Credits				
		L	P	T	OD L	CIE	ET E	TW	PR	O R	Total	L	P	T	ODL	Total
SY -Semester IV																
Course-I	OEL	3	-	-	-	40	60	-	-	-	100	3	-	-	-	3
TY -Semester V																
Course-II	OEL	-	-	-	2	-	-	50	-	-	50	-	-	-	2	2
TY -Semester VI																
Course-III	OEL	-	-	-	2	-	-	50	-	-	50	-	-	-	2	2
Total		3	-	-	4	40	60	100	-	-	200	3	-	-	4	7

L- Lecture

ETE- End Term Examination

L : 1 Hr.= 1 credit

P- Practical

TW- Term work

P: 2 Hr. = 1 Credit

T- Tutorial

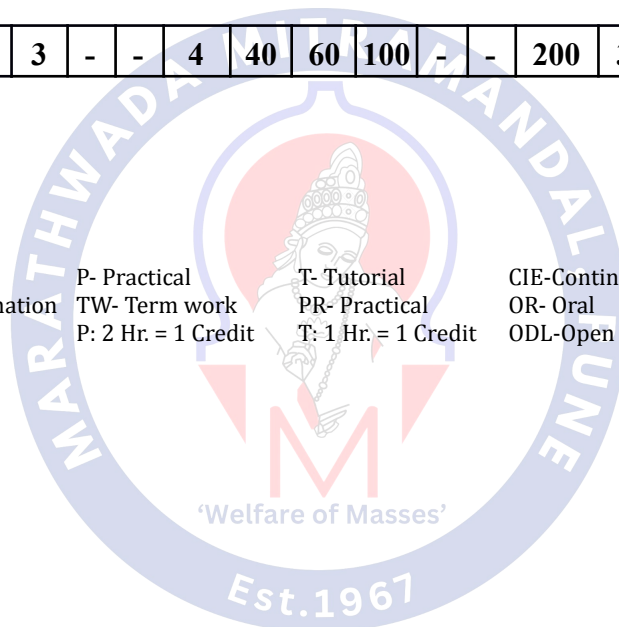
PR- Practical

T: 1 Hr. = 1 Credit

CIE-Continuous Internal Evaluation

OR- Oral

ODL-Open Distance Learning





Marathwada Mitra Mandal's
COLLEGE OF ENGINEERING, Karvenagar, Pune - 52

An Autonomous Institute affiliated to SPPU

NAAC: A ++ | NBA Accredited

website: www.mmcoe.edu.in

Best College Award 2019 SPPU

email id: mmcoe@mmcoe.edu.in

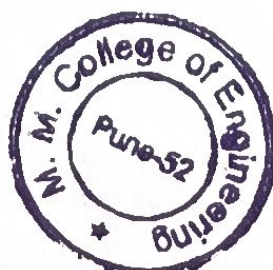
Open Elective Courses
(Effective from Admission Year 2025-26)

Sr. No.	Offered by BoS	OEL Domain	OEL Courses		
			Semester - IV	Semester - V	Semester - VI
1	Electrical Engineering	Management	Digital Finance	Product and Brand Management	AI in Marketing
2	Mechanical Engineering	Foreign Language German	Fundamentals of German Language and Communication	Workplace Ethics in German Language	Applied German for Professional and Academic Applications
3	Electronics and Telecommunication Engineering	Management	Digital Business	Strategic Management	Leadership & Team Effectiveness
4	Information Technology	Foreign Language Japanese	Introduction to Japanese Language and Culture	Practical Japanese Communication	Conversational Japanese
5	Computer Engineering	Management	Digital Marketing	Operations and Supply Chain Management	AI in Product Management
6	Artificial Intelligence and Data Science	Management	1. Engineering Economics & Fintech 2. Prompt Engineering	Organizational Behaviour	AI in Human Resource Management

Dr. H. M. Jadhav
Associate Dean MDM, OE & Honours Degree

Dr. B. P. Vasgi
Dean Academics

Dr. S. R. Sakhare
Principal





Third Year B. Tech. Electrical Engineering																
Semester-V																
Course Code: EE240EL310										Course Name: Product and Brand Management						
Teaching Scheme (Hours/Week)					Examination Scheme						Credits					
L	P	T	OL	ODL	CIE	ETE	TW	OR	PR	TOTAL	L	P	T	OL	ODL	TOTAL
-	-	-	-	2	-	-	50	-	-	50	-	-	-	-	2	2
Prerequisite: Basic understanding of Marketing Management principles, Elementary knowledge of Business environment, Market segmentation.																
Course Objectives: Learners with the Product and Brand Management • Understand the concepts and importance of products and brands in competitive markets • Explain the role of product and brand managers in organizations • Develop knowledge of product planning, development and life-cycle management • Analyze branding strategies and methods for building brand equity • Evaluate brand performance and valuation methods																
Course Outcomes: After learning the course, the students will be able to: CO1: Examine product concepts, life Cycle strategies and the role of a product manager in organizations. CO2: Implement New Product Development processes, innovation techniques, and design thinking to develop and commercialize new products. CO3: Analyze branding fundamentals and evaluate brand equity using models such as Customer-Based Brand Equity (CBBE). CO4: Develop and assess brand strategies, architecture, communication, and digital branding including extensions and co-branding. CO5: Evaluate brand value, loyalty, and performance to recommend ethical brand valuation, audit, and revitalization strategies.																
Unit	Contents										Duration (Hrs.)					
1	Introduction to Product Management Concept of a Product, Levels of Product (Core, Actual, Augmented), Product Classification & Differentiation, Product Decisions, Product Mix, Product Line, Product Life Cycle (PLC) & Management, Role & Responsibilities of a Product Manager.										6					
2	New Product Development Concept of New Product Development, Sources of New Product Ideas, Idea Generation Techniques, Idea Screening and Evaluation, Concept Development and Testing, Business Analysis and Marketing Strategy Development. Product Design, Development, and Prototyping, Test Marketing Approaches, Commercialization and Product Launch Strategy, Managing Innovation and Design Thinking.										6					
3	Branding Fundamentals Concept and Meaning of Brand and Branding, Products vs Brands, Brand Elements, Brand Associations, Brand Identity, Brand Image, Brand Personality, Brand Positioning, Brand Equity, Brand Awareness and Brand Recall, Brand Loyalty and Trust.										5					
4	Brand Management Concept and Scope of Brand Management, Brand Strategy & Architecture, Brand Portfolio & Hierarchy, Brand Communication Strategy & IMC, Brand Extensions & Co-Branding Managing Digital Brands & Online Branding, Brand Experience Management, Brand Governance and Control.										5					

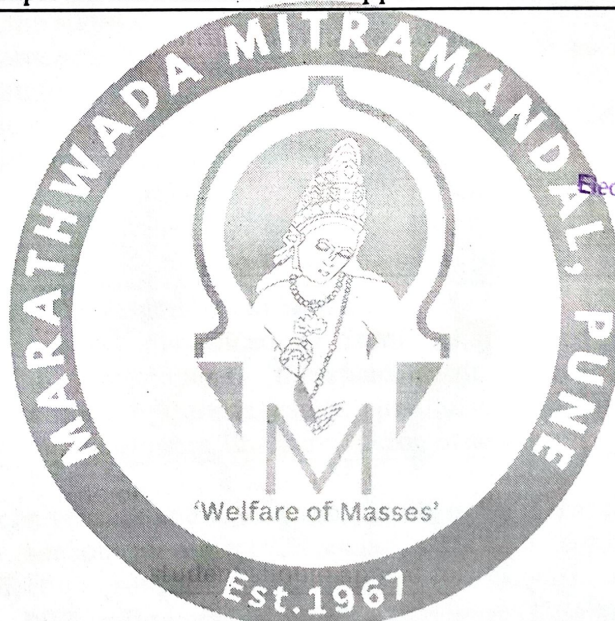
5	Brand Equity & Valuation Concept and Importance of Brand Equity, Customer-Based Brand Equity (CBBE), Brand Value Chain Sources and Components of Brand Equity, Brand Relationships, Brand Experience Management, Brand Audit, Brand Valuation Methods, Strategic Brand Valuation, Brand Revitalization and Repositioning, Ethical Branding and Sustainability.	6
Total Hours		28
Text Books		
1. Tapan K. Panda, "Product and Brand Management", Oxford University Press, January 2016. 2. Kevin Lane Keller & V. Sudhir Swaminathan, "Strategic Brand Management: Building, Measuring & Managing Brand Equity," Pearson/Prentice Hall, 2013. 3. Michael Baker & Susan Hart, "Product Strategy and Management", Pearson, 2008.		
Reference Books		
1. U.C. Mathur, "Product and Brand Management", Excel Books, 2012. 2. A.K. Chitale & Ravi Gupta, "Product & Brand Management: Text and Cases", PHI Learning, 2016. 3. Ramanuj Majumdar, "Product Management in India", PHI Learning, 2008. 4. Kirti Dutta, "Brand Management: Principles & Practices", Oxford University Press, 2022.		
Swayam-NPTEL courses under ODL		
1. NPTEL Course: Prof. Vinay Sharma, IIT Roorkee, "Innovation in Marketing & Marketing of Innovation" (https://nptel.ac.in/courses/noc25_mg28). 2. NPTEL Course: Prof. Abhishek Kumar, Army Institute of Management Kolkata, "Brand Management" (https://nptel.ac.in/courses/noc25_mg119). 3. NPTEL Course: Prof. Jayanta Chatterjee & Prof. Shashi Shekhar Mishra, IIT Kanpur, "Marketing Management-I" (https://nptel.ac.in/courses/noc25_mg115).		

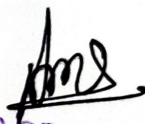


H O D (Electrical)
M M College of Engineering
Karvenagar, Pune-411052

Third Year B. Tech Electronics and Telecommunication Engineering															
Semester V															
Course Code: ET24OEL310											Course Name: Strategic Management				
Teaching Scheme (Hours/Week)					Examination Scheme						Credits				
L	P	T	OL	ODL	CIE	ETE	TW	PR	OR	TOTAL	L	P	T	ODL	TOTAL
-	-	-	-	2	-	-	50	-	-	50	-	-	-	2	2
Prerequisite: Entrepreneurship Skills Development															
Course Objectives: • Explain the concepts, scope, and importance of strategic management, strategy, strategic planning, and tactics. • Describe the role of vision, mission, leadership, corporate culture, and ethics in the strategic management process. • Illustrate the strategic management process and its linkage with organizational life cycle, sustainability, and ethical practices. • Apply environmental analysis tools to assess internal and external environments, including resources, capabilities, and industry conditions. • Apply business-level and corporate-level strategy concepts such as generic strategies, Blue Ocean strategy, mergers & acquisitions, and strategy implementation in organizational contexts.															
Course Outcomes: After completing the course, the students will be able to: CO1: Explain the fundamental concepts, terminology, and frameworks of strategic management. CO2: Describe the strategic role of leadership, culture, ethics, sustainability, ESG, and SDGs in organizations. CO3: Apply strategic analysis tools such as SWOT, Resource-Based Model, value chain, and industry analysis to real-world business situations. CO4: Apply appropriate business-level and corporate-level strategies to support organizational competitiveness and long-term value creation.															
Course Framework															
1	Conceptual foundation of strategy: What is Strategic Management? Concepts of Strategy -I Concepts of Strategy - II Concepts of Strategy - III Strategy, Strategic Plan and Tactics. Strategic Management, Culture and Leadership: Strategic Planning, Thinking and Business Policy Importance of Strategic Management Corporate Culture Leadership														
2	Vision, Mission, Objectives & Strategic Management Process: Developing and Communicating and Strategic Vision Communicating a Strategic Vision Developing Company's Mission Statement and Linking it with Core Values Strategic Management Process														
3	Strategy and Ethics: Concept of Organizational Life Cycle Generic Competitive Strategies, Ethics as a Strategy Environmental analysis: Sustainability as a Strategic Approach Environment and Strategy Internal Environment Resource Based Model I/O Model, Resources, Capabilities, Core Competencies and Value Chain Industry Life Cycle Competition as Basis for Strategy Formulation & Red Ocean Strategy 30. Blue Ocean Strategy Blue Ocean Strategy: Blue Ocean Strategy, Strategic Entrepreneurship														
4	Strategy can also be looked upon as and for: Strategy for Value creation, Strategy from Different Perspectives: Fortune at the Bottom of the Pyramid, Strategy from Different Perspectives: Capitalism at the Crossroads Strategy from Different Perspectives: Sustainable Value Framework Strategy from Different Perspectives: Development as Freedom.														

5	Crafting strategies: Designing Business Level Strategies, Designing and Strengthening Business Strategies Corporate Level Strategy, Designing Corporate Level Strategy. Crafting Strategies: Designing and Strengthening Corporate Level Strategy, Strengthening Company's Competitive Position, Mergers and Acquisitions Strategic Execution: Corporate Governance Managing Internal Operations, Strategy Implementation More ways to visualize and think about strategy: Strategy Evaluation , The Black Swan ESG and SDG
	Total Hours 30
NPTEL/SWAYAM Courses Under ODL	
1. Strategic Management - The Competitive Edge, Prof. R Srinivasan 2. Strategic Management, Prof. Vinay Sharma	
Guidelines for Conduction of Course	
1. The student must register for the online course on the NPTEL . 2. The course duration should be at least 12 weeks or more. 3. Students should complete the online assignments, quizzes, projects, etc mentioned under the online course. 4. Once the course is completed the student should appear for the NPTEL course examination	




HEAD OF DEPARTMENT
 Electronics & Telecommunication Engineering
 MM's College Of Engineering
 Karvenagar, Pune-52.

Third Year B.Tech Computer Engineering															
Semester- V															
Course Code: CE24OEL310								Course Name: Operations and Supply Chain Management							
Teaching Scheme (Hours/Week)					Examination Scheme						Credits				
L	P	T	OL	ODL	CIE	ETE	TW	OR	PR	TOTAL	L	P	T	ODL	TOTAL
-	-	-	-	2	-	-	50	-	-	50	-	-	-	2	2
Prerequisites: Basic understanding of mathematics, business processes, and analytical reasoning.															
Course Objectives: The course aims to: • Apply forecasting, layout, capacity, and inventory concepts to real operational contexts. • Analyze quantitative models for planning, scheduling, and operational decision-making. • Analyze supply chain structures and coordination issues for performance improvement. • Evaluate sourcing, logistics, transportation, and distribution network alternatives. • Design technology-enabled, integrated supply chain solutions using digital tools.															
Course Outcomes: After completing the course, the students will be able to: CO1: Apply forecasting, capacity, layout, and inventory techniques. CO2: Analyze quantitative models for operational planning and scheduling. CO3: Analyze supply chain components to identify inefficiencies. CO4: Evaluate sourcing, logistics, transportation, and network strategies. CO5: Design integrated digital supply chain solutions..															
Unit	Contents										Duration (Hrs.)				
1	Forecasting and Facility Layout and Location: Importance, qualitative and quantitative methods, time series models, forecast accuracy. Factors, layout types, design techniques, location models. Case Study: Forecasting seasonal demand and optimizing store layout for a retail chain.										4				
2	Capacity and Aggregate Planning, Inventory Management: Capacity strategies, long- and short-term planning, aggregate techniques, demand-supply matching. Role of Economic Order Quantity (EOQ), Always Better Control / Vital-Essential-Desirable analysis, safety stock, and inventory control systems. Case Study: Managing fluctuating capacity and inventory levels in an automotive manufacturing plant.										6				
3	Introduction to Supply Chain Scheduling Models and Applications: Objectives, sequencing, Gantt charts, manufacturing and service applications. Components, drivers, push vs. pull systems, coordination. Case Study: Scheduling production lines and shifting from push to pull systems in a food processing unit.										6				

4	Value of Information and Supply Chain Integration: Information sharing, bullwhip effect, Collaborative Planning, Forecasting, and Replenishment(CPFR), integration systems. Outsourcing – Make-or-buy decisions, sourcing strategies, supplier evaluation, risk management. Transportation Decision – Modes, cost analysis, routing, role in efficiency. Case Study: Reducing the bullwhip effect through supply chain integration and make-or-buy decisions in an Fast Moving Consumer Goods(FMCG) company.	6
5	Distribution and Logistics in Supply Chains Network design, warehousing, cross-docking, cost-service trade-offs. Information Technology in Supply Chain – Enterprise Resource Planning(ERP), Supply Chain Management (SCM), Customer Relationship Management(CRM), Internet of Things (IoT), Radio Frequency Identification (RFID), blockchain, AI, analytics. Case Studies and Course Summary – Industry examples, integration of concepts, digital supply chain trends, sustainability. Case Study: Designing a distribution network and adopting digital technologies for an expanding e-commerce startup.	8
Total Hours		30
Text Books		
1. F Robert Jacobs, Richard B. Chase & Ravi Shankar, "Operations and Supply Chain Management", McGraw-Hill, (17th Edition), (2022) 2. Sunil Chopra & Peter Meindl, "Supply Chain Management: Strategy, Planning, and Operation", Pearson, (7th Edition), (2019) 3. Michael H. Hugos, "Essentials of Supply Chain Management", Wiley, (5th Edition), (April 2024)		
Reference Books		
1. Rob Handfield & Tom Linton, "Flow: How the Best Supply Chains" Thrive, University of Toronto Press, (1st Edition), (May 2022) 2. Wallace J. Hopp & Mark L. Spearman, "Factory Physics: Foundations of Manufacturing Management", McGraw-Hill (Irwin), (3rd Edition), (2008)		
NPTEL/SWAYAM Courses under ODL		
NPTEL Course: Prof. G. Srinivasan, IIT Madras - NPTEL Swayam Course:- <u>Operations and supply chain management - Course</u>		
Guidelines for Conduction of Course		
1. The student must register for the online course on the NPTEL . 2. The course duration should be at least 12 weeks or more. 3. Students should complete the online assignments, quizzes, projects, etc mentioned under the online course. 4. Once the course is completed the student should appear for the NPTEL course examination		


 24/7/26
Head
Computer Engineering
MARATHWADA MITRA MANDAL'S
COLLEGE OF ENGINEERING
Karvenagar, Pune-411 052

Third Year B. Tech Artificial Intelligence and Data Science																
Semester-V																
Course Code: AI24OEL310										Course Name: Organizational Behaviour						
Teaching Scheme (Hours/Week)					Examination Scheme						Credits					
L	P	T	OL	ODL	CIE	ETE	TW	PR	OR	TOTAL	L	P	T	ODL	TOTAL	
-	-	-	-	2	-	-	50	-	-	50	-	-	-	2	2	
Pre-Requisites: Undergraduate degree in any discipline																
Course Objectives: - To understand the basic concepts of Organizational Behavior. - To study individual behavior and motivation at the workplace. - To analyze interpersonal relations, leadership, and team dynamics. - To examine organizational culture, structure, and change. - To apply OB concepts for effective people management.																
Course Outcomes: After completing the course, students will be able to: C01: Understand fundamental principles and theories of Organizational Behavior. C02: Analyze individual behavior in organizational settings. C03: Evaluate group processes, leadership, and conflict at work. C04: Explain the role of culture, structure, and change in organizations. C05: Apply OB knowledge to real-life organizational and HR situations.																
Unit	Contents										Duration (Hrs.)					
1	Introduction - a) defining organization, behavior and organizational behavior, b) assumptions of OB, c) principles of OB, d) levels of OB, e) scope of OB, f) OB and Human Resource Management, g) Applications of OB, h) Historical developments of OB, i) emerging concerns Perception and Learning - a) understanding perception, b) Basic elements of perception, c) Principles of perceptual selection, d) Perceptual grouping, e) Social Perception, f) Self-perception and identity, g) attribution of causality, h) Perceptual biases in social perception, i) Implications for human resource management, j) defining learning, k) classical and operant conditioning l) learning in organizations										5					
2	Personality - a) Defining Personality, b) History of the concept, c) Key assumptions, d) biological and social determinants, e) Theories - Intrapsychic theory, social learning theory, self-theory, Trait and type theories f) Related concepts (locus of control, dogmatism, authoritarianism, Machiavellianism), g) measuring personality. Attitudes - a) Definition, b) Key elements of attitudes, c) Attitudes and related concepts (Values, opinion, belief and ideology), e) Characteristics of attitudes, f) Attitude formation, g) Attitude measurement, h) Changing attitudes, i) Attitudes at workplace (job satisfaction, work attitude and organizational commitment), j) Prejudice and discrimination at workspace.										6					
3	Emotions in workplace - a) Definition, b) Types of emotions, c) Related concepts (mood, temperament), d) Stress in workplace, e) General Adaptation Syndrome, f) Managing Stress, g) Psychosomatic disorders and stress h) emotional labor and emotional contagion. Motivation - a) Definition, b) Process of motivation, c) Types of motives, d) Motivators at workplace, e) Motivation theories (Process and Content theories) Interpersonal Dynamics - a) Definition, b) Psychological Contract, c) Trust and trust building, d) Prosocial behavior, e) Cooperation Vs Competition f) Conflict management, g) Levels and types of conflict at workplace, h) Conflict management Styles, i) Managing Negotiations										6					

Head

Dept. of Artificial Intelligence & Data Science
M. M. College of Engineering
Karvenagar, Pune-52.

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24/7/2026

4	Power and Leadership - a) Defining Power, b) Sources of Power, c) Organizational politics, d) Leadership e) Managers Vs Leaders, f) Trait and Type approach to leadership g) Leadership style, h) Leadership Grid, i) Contingency Theories j) Contemporary issues Team Dynamics - a) Groups and Teams, b) Types of Teams, c) Stages in group development, d) problems in team work (Free riding, social loafing, group think), e) Cross-cultural virtual teams.	5
5	Organizational culture - a) Defining culture, b) levels of culture, c) cultural dimensions, d) high and low context cultures, e) Strong and weak organizational cultures, f) Expressions of organizational culture, g) Impact of culture on individuals, h) Organizational cultural change Organization Change - a) Change in Organizations, b) Nature of the change process, c) Types of change, d) Impact of change, e) Managing resistance to change, f) Organizational Development interventions Organizational Structure and Design - a) Basic dimensions of structure, b) Departmentalization, c) Organizational life cycle, d) Organizations as socio-technical systems, e) Organizational design and its impact on employees, f) Organizational boundary spanning	6
Total Hours		28
Text Books		
1. Stephen P. Robbins and Timothy A. Judge, <i>Organizational Behavior</i> , 15th Edition, Publisher: Pearson Education, ISBN: 978-0133507645. 2. Fred Luthans, <i>Organizational Behavior</i> , 12th Edition, Publisher: McGraw-Hill Education, ISBN: 978-0073381229. 3. Ricky W. Griffin and Jean M. Phillips, <i>Organizational Behavior: Managing People and Organizations</i> , 11th Edition, Publisher: Cengage Learning, ISBN: 978-1337406311.		
Reference Book		
1. K. Aswathappa, <i>Organisational Behaviour (Text, Cases and Games)</i> , 10th Edition, Publisher: McGraw-Hill Education, ISBN: 978-9353162804. 2. David A. Buchanan and Andrzej A. Huczynski, <i>Organizational Behaviour</i> , 9th Edition, Publisher: Pearson Education, ISBN: 978-1292097618. 3. John W. Newstrom, <i>Organizational Behavior: Human Behavior at Work</i> , 14th Edition, Publisher: McGraw-Hill Education, ISBN: 978-0078112668.		
NPTEL/SWAYAM Courses under ODL		
1. https://nptel.ac.in/courses/110106145 2. Swayam (Government of India) https://swayam.gov.in (https://onlinecourses.swayam2.ac.in/cec26_mg03/preview) 3. dX - Organizational Behaviour Courses https://www.edx.org/learn/organizational-behavior 4. Coursera - Organizational Behaviour courses https://www.coursera.org/learn/organisational-behaviour-know-your-people		

24/07/2026

Head

Dept. of Artificial Intelligence & Data Science
M. M. College of Engineering
Karvenagar, Pune-52.

Third Year B.Tech Mechanical Engineering														
Semester- V														
Course Code: ME24OEL310										Course Name: Workplace Ethics in German Language				
Teaching Scheme (Hours/Week)					Examination Scheme						Credits			
L	P	T	OL	ODL	CIE	ETE	TW	OR	PR	TOTAL	L	P	T	TOTAL
2	-	-	-	-	-	-	50	-	-	50	2	-	-	2
Course Outcomes :														
After completing the course, the students will be able to:														
CO1: Learners will be able to introduce themselves and communicate basic personal and professional information in German.														
CO2: Learners will handle simple workplace conversations, emails, phone calls, and customer interactions in German.														
CO3: Learners will apply relevant vocabulary and grammar to real-life job situations with cultural awareness.														
Unit	Contents										Duration (Hrs.)			
1	REVISITING THE SCHOOL -Rewinding the school times -German school system and school types Grammar: -Definite articles (Genitiv) -Revision of Perfekt tense -Nebensatz: weil										8			
2	MULTI MEDIA AND FILMS -Multi media and films Grammar: -Modal verbs (Past tense) -Dativ (Possessive articles)										8			
3	FEELINGS & EMOTIONS -Expressing emotions and feelings -Writing blogs Grammar: -Comparative & Superlative -Positive degrees of comparison "als" & "wie" -Conjunction "dass" for Nebensatz -Wenn, ob & reflexive verbs										8			
4	STROLLING AROUND THE CITY -Stadt- Tour (City tour) -Describing city -Bank conversations Grammar: -Akkusativ & Dativ prepositions -Konjunktiv II -Sport Grammar: -Coniunctions: deshalb, trotzdem										8			


Head of Department
Mechanical Engineering
MCMCE Karvenagar, Pune-52

	-Dativ, Akkusativ verbs	
5	LEARNING DIFFICULTIES -Lernprobleme (learning difficulties and remedies) Grammar: -Konjunktiv II -Was für eine (What type of) - Träume, Wünsche, Pläne Grammar: -Konjunktiv II -W-fragen with prepositions	7
Total Hours		39

Reference Books

1. Netzwerk A1

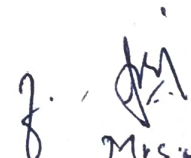
List of Assessment

Sr. No.	Name of the Assessment	Duration (Hrs.)
1	Write a blog- write about the advantages and disadvantages of media using comparative and superlative degree	1
2	Guest lecture	3
3	Lesen - reading and understanding a difficult text. Tipps to understand a difficult german text.	1
4	Describe the city . tell about famous places of your city.	1
Total Hours		6


Head of Department
Mechanical Engineering
MMCQE Karvenagar, Pune-52

Third Year B.Tech Information Technology														
Semester-V														
Course Code:IT24OEL310						Course Name: Practical Japanese Communication								
Teaching Scheme (Hours/Week)					Examination Scheme						Credits			
L	P	T	OL	ODL	CIE	ETE	TW	OR	PR	TOTAL	L	P	T	TOTAL
2	-	-	-	-	-	-	50	-	-	50	-	-	2	2
Course Objectives: - To develop basic Kanji reading and writing skills for everyday communication. - To enable learners to talk about schedules, time, and daily activities in Japanese. - To build practical workplace communication skills using common expressions and vocabulary. - To develop the ability to communicate about transportation, directions, cities, and leisure activities.														
Course Outcomes: After completing the course, learners will be able to: CO1: Read and use basic Kanji related to daily life, time, and common expressions. CO2: Communicate schedules, dates, time, and daily routines in simple Japanese. CO3: Use appropriate Japanese expressions for workplace interactions, requests, and clarifications. CO4: Discuss transportation, directions, cities, hobbies, and leisure activities in everyday situations.														
Unit	Contents										Duration (Hrs.)			
1	Kanji: Basics Introduction to basic Kanji structure and usage, Kanji related to common verbs, Kanji related to weekdays, Kanji related to adjectives, Kanji related to calendar and time-related words										5			
2	Talking about schedules Days of the week, dates, and months, Telling time (hours and minutes), Relative time expressions (today, tomorrow, this week, etc.), Describing daily activities and personal schedules										5			
3	Workplace Communication Talking about the workplace and work environment, Asking someone to lend or provide an item, Understanding simple workplace instructions, Asking someone to repeat or clarify important points										5			
4	Talking about your city & Transportation Means of transportation, Understanding simple train or public transport announcements, Asking for and giving directions, Telling or describing your current location, Reading and interpreting common road signs, Expressing impressions and opinions about a city										5			


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5	Hobbies & Leisure Activities Vocabulary for common hobbies and leisure activities, Expressing likes and dislikes related to activities, Inviting someone to join an activity, Responding to invitations (accepting or declining politely), Talking about days off and free-time plans	6
Total Hours		26
Text Books		
1. IRODORI: Japanese for life in Japan: Starter 2. IRODORI: Japanese for life in Japan: Elementary 1 (A2)		
Online References		
1. https://www.irodori.jp/en/elementary01/pdf.html 2. https://www.irodori.jp/en/starter/pdf.html		


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AICTE Approved Programmes

Branch	Intake			Career Options
	B.Tech.	M.Tech.	Working Professional Direct Second Year	
Computer Engineering	240	Computer Engineering:18	---	Data Science, Artificial Intelligence (AI), Big Data Analytics, High Performance Computing (HPC), Machine Learning, Database Engineering, Computer Networks, Cyber Security, IOT
Electrical Engineering	60	Power Electronics & Drives: 06	30	Public Sector, Power Sector, Software Development, Maintenance Engineering, Contractor & Supervisor, Energy Auditor, Internet of Things (IoT), Robotics and Automation, Industry 4.0, Chartered Engineer, Electric Vehicles,
Electronics & Telecommunications Engineering	180	(E&TC) (VLSI and Embedded Systems): 06	---	Internet of Things (IoT), Robotics and Automation, Industry 4.0, Wireless Communication 4G, 5G, 6G, Artificial Intelligence, VLSI, Embedded Systems, Satellite Communication, Data Science, Power Electronics, Computer Networking, Blockchain Technology, Signal Processing, Electronic Design
Information Technology	180	Data Science: 06	---	Software Development & Testing, Cyber Security, Cloud Computing, Big Data Analytics, IoT, Machine Learning, Artificial Intelligence, Blockchain, Database Management, Data Engineer, Data Science
Mechanical Engineering	180	Design Engineering: 06	30	Machine Design, System Modeling, Simulation, Robotics, Mechatronics, Rapid Prototyping, 3D Printing, Composite Materials, Automotive & Electrical Vehicles, Manufacturing Sector, HVAC Systems, Energy Engineering and Process Industry, Robotics, Data Science, Public Sector, Power Sector, Software Development, Mechanical Design Engineer, Design Quality Assurance Manager, Engineering, Service, Teaching, Designing Machines & Tools
Artificial Intelligence and Data Science	180	---	---	Cyber Security Analyst, Software Development Expert, Artificial Intelligence Engineer, Data Scientist, Data Analysis, Machine Learning Engineer, Machine Learning Architect, Product Analyst, Software Architect, Data Warehouse Engineer, Product Manager, Front-end Developer, Full Stack Developer

Ph.D Research Center in Computer Engineering.

Industry Connect through Professional Bodies / Students' Chapters

- ◆ CII ◆ ISHRAE ◆ ACM ◆ ISRD ◆ GDSC ◆ IE(I)
- ◆ TATA ◆ ASHRAE ◆ IETE ◆ DICCI ◆ IEEE ◆ ISACA
- ◆ MCCIA ◆ SAEINDIA ◆ CSI ◆ ISTE ◆ STP

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