



**Vidya Pratishthan's Kamalnayan Bajaj Institute of
Engineering and Technology, Baramati**

**Department of Electronics and Telecommunication Engineering
Open Elective Curriculum S.Y. B. Tech E&TC Engineering 2024-25**

Open Elective Curriculum of Electronics and Telecommunication Engineering
w. e. f. AY:2024-2025

SEMESTER-III, IV, V, VI ,VII

Course Code	Courses Name	Teaching Scheme			Examination Scheme and Marks							Credits			
		TH	PR	TUT	Activity	ISE	ESE	TW	PR	OR	Total	TH	PR	TUT	Total
MDET23051	Financial Accounting	2	-	-	-	-	50	-	-	-	50	2	-	-	2
MDET23052	Professional Leadership	2	-	-	-	-	50	-	-	-	50	2	-	-	2
MDET23053	Agriculture for Engineers	2	-	-	-	-	50	-	-	-	50	2	-	-	2

Bucket of Open Elective Course

Open Elective Course	
Subject Code	Subject Name
OE230XX	Digital Marketing
OE230XX	Architectural Technology
OE230XX	Energy Economics and Management
OE230XX	Intellectual Property Rights
OE230XX	International Relations
OE230XX	Sustainability and Climate Change
OE230XX	Industrial Management
OE230XX	Accounting and Finance
OE230XX	Bioinformatics
OE230XX	Biotechnology
OE230XX	Agriculture Technology
OE230XX	Disaster Management
OE230XX	Operations Research
OE230XX	Organizational Behavior
OE230XX	Universal Human Values
OE230XX	Education Technology
OE230XX	Cyber Laws
OE230XX	Professional Leadership
OE230XX	Design Thinking
OE230XX	Digital Marketing

Open Elective Course-1
OEET230XX:- Accounting & Finance

Teaching Scheme: Theory: 03 Hours/Week	Credits 03	Examination Scheme: Activity: 20 Marks In Sem: 20 Marks End Sem: 50 Marks Practical: 20 Marks Term work: 20 Marks
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Preamble: Nil

Course Outcomes:

After the completion of the course, students will be able to-

1. To impart knowledge of basic accounting concepts
2. To create awareness about application of these concepts in business world
3. To impart skills regarding Computerised Accounting
4. To impart knowledge regarding finalization of accounts of various establishments.

Course Contents

Unit I: Accounting Concepts, Conventions and Principles and an overview of Emerging Trends in Accounting (06 Hrs.)

Accounting Concepts, Conventions and Principles: Money Measurement, Business Entity, Dual Aspect, Periodicity Concept, Realization Concept, Matching Concept, Accrual / Cash Concept, Consistency Concept, Conservatism Principle, Materiality Concept, Going Concern Concept. Historical Cost Concept.

Emerging Trends in Accounting: Inflation Accounting, Creative Accounting, Environmental Accounting, Human Resource Accounting, Forensic Accounting

Unit II: Piecemeal Distribution of Cash (06 Hrs.)

Surplus Capital Method only, Asset taken over by a partner, Treatment of past profits or past losses in the Balance sheet, Contingent liabilities, Realization expenses/amount kept aside for expenses, adjustment of actual, Treatment of secured liabilities, Treatment of preferential liabilities like Govt. dues/labour dues etc., Excluding: Insolvency of partner and Maximum Loss Method.

Unit III: Accounts from Incomplete Records (Single Entry System) (06 Hrs.)

Meaning of single entry system, Features of Single Entry System, Conversion of Single Entry into Double Entry.

Unit IV: Introduction to Goods and Services Tax laws and Accounting (06 Hrs.)

Constitutional Background of GST, Concepts and definition of GST, IGST, CGST and SGST, Input and

Output Tax credit, Procedure for registration under GST.

Reference Books:

1. "Advanced Accounts", M.C. Shukla, T.S. Grewal, S.C. Gupta S. Chand Publication New Delhi.
2. "Financial Accounting", CA (Dr.) P.C. Tulsian S.C. Gupta S. Chand Publication New Delhi.
3. "Introduction to Accountancy", S.R.N Pillai & Bhagavathi S.Chand & CompanyLtd New Delhi
4. "Corporate Accounting", Raj Kumar Sah Cengage Publications Noida, Uttar Pradesh
5. "Advanced Accounting", S. N. Maheshwari
6. "GST Law and Analysis with Conceptual Procedures", Bimal Jain and Isha Bansal (Set of 4 Volumes)
Pooja Law Publishing Company, New Delhi
7. "Guidance Note on GST by ICAI", The Institute of Chartered Accountants of India, New Delhi

Open Elective Course-2

OEET230XX:- Professional Leadership

Teaching Scheme:

Theory: 02 Hours/Week

Credits

03

Examination Scheme:

End Sem: 50 Marks

Prerequisite Courses, if any: Nil

Course Objectives:

- To study and understand various microcontrollers and embedded systems
- To understand the design parameters of embedded systems applications.
- To study and impart different tools for embedded system and IoT application design.

Course Outcomes:

After the completion of the course, students will be able to-

CO1: Understanding the concept of leadership and importance of leadership

CO2: Learning the steps of Leadership behavior, traits, skills, and abilities

CO3: How to analyze the styles of leadership and how to be connected with the organization

CO4: How to develop your leadership skills in Business or organization

CO5: Understand How to become a successful and effective business leader

Course Contents

1. Introduction and Importance of Leadership

Begin your leadership odyssey by delving into the fundamental concepts of leadership. Understand why effective leadership is crucial in various contexts, and explore the impact of leadership on individuals, teams, and organizations. Gain insights into the evolving role of leaders in today's dynamic and interconnected world.

2. Leadership Behavior, Traits, Skills, and Abilities

Uncover the core components of effective leadership, Analyze leadership behaviors, traits, and the essential skills and abilities that distinguish exceptional leaders. Through case studies and practical exercises, develop a deep understanding of your own leadership potential and areas for growth.

3. Styles of Leadership

Examine different leadership styles and their applications in various situations. Explore autocratic, democratic, transformational, and situational leadership models. Learn how to adapt your leadership approach to different scenarios and team dynamics to maximize effectiveness and foster positive

outcomes.

4. Leadership in Business

Navigate the intricacies of leadership in the business world. Understand the unique challenges and opportunities faced by business leaders. Explore strategies for leading teams, driving innovation, and creating a positive organizational culture that enhances employee engagement and productivity.

5. How to Become a Successful and Effective Business Leader

Cap off the course with practical insights and actionable steps on how to become a successful and effective business leader. Explore the art of decision-making, effective communication, and building high-performing teams. Develop a personalized leadership development plan to propel your career and make a lasting impact in the business realm.

Reference Books:

1. The Indisputable Laws of Teamwork: Embrace Them and Empower Your Team by John C Maxwell.
2. The Five Dysfunctions of a Team: A Leadership Fable by Patrick Lencioni.
3. Crucial Conversations: Tools for Talking When Stakes are High by Kerry Patterson, Joseph Grenny, et al T Leaders Eat Last by Simon Sinek.
4. Talking to Strangers: What We Should Know about the People We Don't Know by Malcolm Gladwell.
5. Team of Teams: New Rules of Engagement for a Complex World by Stanley McChrystal, Tatum Collins.

Online/ UdeMy Course Link:

1. <https://www.udemy.com/course/leadership-management-skills-personal-development/?couponCode=LETSLEARNNOWPP>

Open Elective Course-3

OEET230XX:- Agriculture Technology

Teaching Scheme: Theory: 02 Hours/Week	Credits 03	Examination Scheme: Activity: 20 Marks In Sem: 20 Marks End Sem: 50 Marks Practical: 20 Marks Term work: 20 Marks
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Prerequisite Courses, if any: Nil

Course Outcomes:

After the completion of the course, students will be able to-

1. Agricultural Fundamentals: Students will acquire a solid grasp of the core principles and historical significance of agriculture
2. Crop Science and Management: Students will learn about the growth, development, and physiology of crops.
3. Soil Science and Management: The course will cover essential soil properties, classification, and fertility. Students will learn how to conserve and manage soil
4. Irrigation and Water Management: Students will gain insights into different irrigation systems and effective water resource management in agriculture

Course Contents

1. Soil Science (7 Hrs.)

Definition and Origin of Soil, Rocks and Minerals, Soil Forming Process, Classification of Soil, Physical Properties of Soil, Soil Organic Colloids, Soil Organic Matters, Irrigation Water Quality, Soil Reaction, Essential Plant Nutrients, Inorganic Fertilizers, Methods of Fertilizer Application to Crops

2. Agronomy (15 Hrs.)

Definition and Scope of Agronomy, Classification of Crops, Effect of Weather Parameters on Crop Growth and Development, Tillage and Tilth, Soil-Water Plant Relationship, Weed Management, Cropping Systems

3. Horticulture (17 Hrs.)

Definition and Scope of Horticulture, Planting Methods, Nursery Raising Techniques, Propagation Methods, Training and Pruning, Irrigation Methods and Fertigation, Post-Harvest Practices of

Horticultural Crops, Management of Orchards, Extraction and Storage of Vegetable (Tomato) Seeds

4. Differentiation Between Agricultural Terms & Role of Agricultural Engineering in Agriculture (5 Hrs.)

Differentiation Between Agricultural Terms: Soil Fertility and Soil Productivity, Saline Soil and Alkaline Soil Mixed Farming and Mixed Cropping, Weather and Climate, Pruning and Training

Role of Agricultural Engineering in Agriculture: Role of Agricultural Engineering in Agriculture, Important Role of Agricultural Engineering in Agriculture

Online/Udemy Course Links:

1. <https://www.udemy.com/course/basics-of-agriculture-for-engineers-building-a-strong-found/?couponCode=LETSLEARNNOWPP>