Faculty of Engineering and Technology
Bachelor of Technology (Semester VI / Third Year)
In Effect from Academic Year 2023-24

Branch Name:	Electrical Engineering
Program Code:	ET109
Course Name:	Finance and Accounting
Course Code:	2ET1000603T
Pre-requisite Course:	Zeal to learn the subject

Course Objectives:

1. To Understanding the Fundamentals of Accounting.
2. To Grasp Accounting Principles and Standards.
3. To Record and Analyze Accounting Transactions.
4. To Classifying and Measure Income and Expenditures.
5. To Manage Depreciation, Provisions, and Reserves.

Teaching and Examination Scheme:

Credit	Teaching Scheme Hours per week				Evaluation Scheme (Marks)								
					Theory (Marks)				Practical (Marks)				Total (Marks)
					SEE		CCA		SEE		CCA		
	L	T	P	Total	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
3	3	-	-	3	24	60	16	40	-	-	-	-	100

Course Contents:

Sr. No	Topic	Total Hours	Weightage (%)
1	**Meaning and Scope of Accounting:** Need, development, and definition of accounting; Bookkeeping and accounting; Persons interested in accounting; Disclosures; Branches of accounting; Objectives of accounting.	8	15
2	**Accounting Principles:** International Accounting Standards (only outlines); Accounting principles; Accounting Standards in India.	8	10
3	**Accounting transactions:** Accounting Cycle; Journal; Rules of debit and credit; Compound journal entry; Opening entry; Relationships between Journal and Ledger; Rules regarding posting; Trial balance; Sub divisions of journal.	8	25
4	**Capital and Revenue:** Classification of income; Classification of expenditure; Classification of receipts Accounting concepts of income; Accounting concepts and income measurement; Expired costs and income measurement Final Accounts; Manufacturing account; Trading account; Profit and loss account; Balance Sheet; Adjustment entries, Rectification of errors; Classification of errors.	10	25
5	**Depreciation Provisions and Reserves:** Concept of depreciation; Causes of depreciation; Depreciation, depletion, amortization, and dilapidation; Depreciation accounting; Methods of recording depreciation; Methods for providing depreciation; Depreciation of different assets; Depreciation of replacement cost; Depreciation accounting as per accounting standard; Depreciation accounting; Provisions and reserves.	8	25

List of Tutorials:

The students will have to solve at least five examples and related theory from each topic as an assignment/tutorial.

Reference Books:

1. Anthony, RN. and Reece. J.S.: Accounting Principles: Richard Irwin Inc
2. Gupta. R.L.and Radhaswamy. M: Financial Accounting; Sultan Chand and Sons, New Delhi
3. Monga J.R., Ahuja Girish, and Sehgal Ashok: Financial Accounting; Mayur Paper Back. Nokia.
4. Shukla. M.C., Grewal T.S., and Gupta, S.C.: Advanced Accounts: S. Chand & Co. New Delhi.
5. Compendium of Statement and Standards of Accounting : The Institute of Chartered Accountants of India, New Delhi.

E-Resources:

Coursera:

- Financial Accounting Fundamentals by University of Virginia
- Introduction to Financial Accounting by University of Pennsylvania

edX:

- Introduction to Financial Accounting by University of Pennsylvania
- Accounting Analytics by University of Illinois at Urbana-Champaign

Khan Academy:

- Accounting and Financial Statements

Research and Journals

- Journal of Accounting Research - Academic journal providing research articles on accounting topics.
- The Accounting Review - Peer-reviewed journal with research in accounting theory and practice.

Financial Data and Analysis Tools

- Yahoo Finance - Provides financial news, data, and portfolio management resources.
- Bloomberg - Offers financial news, data, and tools for financial analysis.

Course Learning Outcomes (CLO):

CLO	Description	Bloom's Taxonomy Level
CLO1	Define key accounting terms, concepts, and branches.	1 Remembering
CLO2	Explain accounting disclosures, stakeholder interests, and basic accounting standards.	2 Understanding
CLO3	Record transactions, apply debit-credit rules, adjust entries, and rectify errors.	3 Applying
CLO4	Analyze journal-ledger relationships, prepare trial balance, and assess depreciation methods.	4 Analyze
CLO5	Evaluate income and expenditure classification, prepare final accounts, and interpret depreciation standards.	5 Evaluating
CLO6	Develop complete financial reports by integrating accounting principles and adjustments.	6 Creating

Mapping of CLOs with POs & PSOs:

Course Learning Outcomes	Program Outcomes (POs)												Program Specific Outcomes(PSOs)	
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CLO1	H	M			L		L		L				H	
CLO2	H	H	L					L					M	H
CLO3	H	H		L		L	L			L				L
CLO4	H	H					L						H	
CLO5	H	H	L		L			L					M	H
CLO6	H	H		L		L			L	L			H	

H: High, M: Medium, L: Low