### Autonomous Program Structure of
Final Year B. Tech. Seventh Semester
(Electronics and Telecommunication Engineering)
Academic Year: 2023-2024 Onwards

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Teaching Scheme Hours /Week</th>
<th>Examination Scheme</th>
<th>Total Marks</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Lecture</td>
<td>Tutorial</td>
<td>Practical</td>
<td>In Sem</td>
</tr>
<tr>
<td>20EC701</td>
<td>Internship/Project</td>
<td>0</td>
<td>0</td>
<td>30</td>
<td>200</td>
</tr>
<tr>
<td>20HS702</td>
<td>Economics and Personal Finance (EPF) (Online)</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>100</td>
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<td></td>
<td>Grand Total</td>
<td>32</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Credits</th>
<th>Marks</th>
<th>Teaching Hrs/week</th>
<th>Evaluation Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internship / Project = 15</td>
<td>300</td>
<td>30</td>
<td>Presentations + Oral</td>
</tr>
<tr>
<td>HS-EPF (Online) = 2</td>
<td>100</td>
<td>2</td>
<td>ISE + ESE</td>
</tr>
</tbody>
</table>

**Duration of Internship / Project:**

1. Full Internship 6 Months
2. Full Project 6 Months
3. Combination: Internship 3 Months + Projects 3 Months
   (June-Aug + Sep- Nov)

**For Internship / Project:**

In-Sem-Reviews=Two ; ESE = One Review with External (Final
**20HS701- Economics and Personal Finance**

**Teaching Scheme**
Lectures: 2 Hrs/Week

**Examination Scheme**
ISE: 50 Marks
ESE: 50 Marks
Credits: 2

**Prerequisite:** Nil

**Course Objectives:**
1. To enable students to acquire knowledge and develop an understanding of basic concepts and principles of Economics & Finance
2. To make students acquaint with standard concepts and tools that they are likely to find useful in their profession when employed in the firm/industry/corporation in public or private sector
3. To sensitize students to the current economic issues of the nation
4. To develop an understanding of the role of institutions in the functioning of an economy
5. To understand Markets and behaviour of the firm
6. To enhance financial literacy of engineering students.

**Course Outcomes:**
After completion of the course, students will be able to

- **CO1** Demonstrate the importance of National and International economy in one's economic life
- **CO2** Analyse the behaviors of consumer, firms and market and its impact on corporate finance
- **CO3** Apply financial techniques to evaluate companies and investments
- **CO4** Develop Personal Financial strategies using various investment options and taxation

**Unit I: Macro Economics : Understanding Indian Economy- Domestic and International**
(03)
Economics for Engineers, Definition and classification of Economics, Basic Economic Problems and Economic Systems, India Economy: Mixed economy, Sector-wise contributors Gross Domestic Product (GDP) of India, GDPs of other nations, Macroeconomics, Per Capita Income, Employment, Inflation calculation: Consumer Price Index (CPI), Wholesale Price Index (WPI), Fiscal Policy, Fiscal Deficit, Government expenditure and Taxation, Concept of Goods and Service Tax (GST), Monetary policy, Central Bank- Reserve Bank of India (RBI), Statutory Liquidity Ratio (SLR), Prime Lending Ratio (PLR), Cash Reserve Ratio (CRR).

**Unit II: Microeconomics : Understanding behaviors of Consumers, Firms and Markets**
(05)

**Unit III: Personal Finance and Taxation I : Personal Financial strategies**
(06)
Unit IV: Personal Finance and Taxation II : Personal Financial strategies
Goal Setting and Tax, Credit and Risk Management
Understanding Personal Finance : Financial Goal, Importance, Opportunity Costs in Decision Making, The Time Value of Money, Basics of Financial Planning, Personal financial statements, Cash flow and debt management, Tax Management : Taxes, Direct and Indirect, Income Tax slabs and sections, Other taxes, Credit Management : Consumer Loans, Credit cards, Credit Rating, Credit Information Bureau (India) Limited (CIBIL), Interest Rates, Understanding Monetary Policy, Risk Management : Insurance- Life and General, Types of life Insurance, Unit Linked Insurance Plan (ULIPS), Health Insurance, Vehicle Insurance and other major types, Understanding Insurance riders and decision making while buying insurance.

Unit V: Personal Finance and Taxation III : Personal Financial strategies
Investments in Bonds, Stocks and Mutual Funds, Retirement Planning

Text Books:
4. CFMTMH professional series in Finance

Reference Books:

Online Resources:
1. www.economicshelp.org
2. www.rbi.org
3. www.khanacademy.org