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| M.B.A.  AIRPORT AND AIRLINE MANAGEMENT |
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| **SYLLABUS** |
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| **from the academic year**  **2023 - 2024** |
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| **TAMILNADU STATE COUNCIL FOR HIGHER EDUCATION, CHENNAI – 600 005** |

**M.B.A. – AIRPORT AND AIRLINE MANAGEMENT**

**(FULL TIME)**

**Choice Based Credit System**

# Program Educational Outcomes;

# PEO 1 – Employability: To develop students with industry specific knowledge & skills to meet the industry requirements and also join Public sector undertaking through competitive examinations.

# PEO 2 - Entrepreneur: To create effective business service owners, with a growth mindset by enhancing their critical thinking, problem solving and decision-making skills.

# PEO3 – Research and Development: To instill and grow a mindset that focusses efforts towards inculcating and encouraging the students in the field research and development.

# PEO 4 – Contribution to Business World: To produce ethical and innovative business professionals to enhance growth of the business world.

# PEO 5 – Contribution to the Society: To work and contribute towards holistic development of society by producing competent MBA professionals.

# Program Outcomes:

**PO1: Problem Solving Skill:** Application of tools & techniques relevant to management theories and practices in analyzing & solving business problems.

**PO2: Decision Making Skill:** Fostering analytical and critical thinking abilities for data-based decision making.

**PO3: Ethical Value:** Ability to develop value based leadership attributes.

**PO4: Communication Skill:** Ability to understand, analyze and effectively communicate global, economic, legal and ethical aspects of business.

**PO5: Individual and Team Leadership Skill:** Ability to be self-motivated in leading & driving a team towards achievement of organizational goals and contributing effectively to establish industrial harmony.

**PO6: Employability Skill:** Foster and enhance employability skills through relevant industry subject knowledge.

**PO7: Entrepreneurial Skill:** Equipped with skills and competencies to become a global entrepreneur.

**PO8: Contribution to Society:** Strive towards becoming a global influencer and motivating future generation towards building a legacy that contributes to overall growth of humankind.

# PEO – PO MAPPING

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | PO 1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 |
| PEO 1 | Y | Y | Y | Y | Y | Y | Y | Y |
| PEO 2 | Y | Y | Y | Y | Y |  | Y | Y |
| PEO3 | Y | Y | Y | Y | Y | Y |  | y |
| PEO 4 | Y | Y | Y | Y | Y | Y | Y | Y |
| PEO 5 | Y | Y | Y | Y | Y | Y | Y | Y |

# Y - Yes

# FIRST SEMESTER

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | Management Principles and Business Ethics | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Quantitative Techniques and Research Methods in Business | Core | 3 | 1 | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Managing Organizational Behaviour | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Accounting for Managers | Core | 3 | 1 | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Managerial Economics | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Legal Systems in Business | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Entrepreneurship Development | Extra Disciplinary | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | Soft Skills I – Executive Communication | Soft Skills | - | - | 2 | - | 2 | 30 | 25 | 75 | 100 |

# SECOND SEMESTER

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | Applied Operations Research | Core | 3 | 1 | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Human Resource Management | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Marketing Management | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Operations Management | Core | 3 | 1 | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Financial Management | Core | 3 | 1 | - | - | 4 | 60 | 25 | 75 | 100 |
|  | Strategic Management | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | International Business | Extra Disciplinary | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | Soft Skills II – Business Etiquette | Soft Skills | - | - | 2 | - | 2 | 30 | 25 | 75 | 100 |
|  | Soft Skills III – Computing Skills | Soft Skills | - | - | 2 | - | 2 | 30 | 25 | 75 | 100 |

# THIRD SEMESTER

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | Information Systems for Business | Core | 4 | - | - | - | 4 | 60 | 25 | 75 | 100 |
|  | \*\*Choose any one from the list | Elective | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | \*\*Choose any one from the list | Elective | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | \*\*Choose any one from the list | Elective | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | \*\*Choose any one from the list | Elective | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | \*\*Choose any one from the list | Elective | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | \*\*Choose any one from the list | Elective | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | Employability skills | Extra Disciplinary | 3 | - | - | - | 3 | 45 | 25 | 75 | 100 |
|  | Soft Skills IV – Leadership and Team Building Skills | Soft Skills | - | - | 2 | - | 2 | 30 | 25 | 75 | 100 |
|  | \*\*\*Summer Internship | Internship | - | - | - | 1 | 3 | - | 100 | - | 100 |

**\*\* Students should choose six elective Course from the specialization list in consultation with the Head of the Institution.**

**For the categorization of specialization students can either opt for either single or dual specialization.**

**In case of students opting for single specialization, they should compulsorily choose 6 elective papers from one area specialization from the list given below:**

**In case of students opting for dual specialization. They should choose 3 elective papers from respective area of specialization.**

**\*\*\* Internship will be carried out during the summer vacation after the first year. Viva Voce will be conducted by the college and marks shall be sent to the University and the same will be included in the Third Semester Marks Statement.**

# FOURTH SEMESTER

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
|  | # Project Work & Viva- Voce | Core | - | - | - | Y | 12 | - | 75 | 225 | 300 |

**L-Lecture T-Tutorial P- Practical O-Project**

**# The Project Work will be evaluated jointly by TWO Examiners (i.e. one Internal and the other External) for a Maximum of 225 Marks (9 Credits).**

**# The Viva- Voce will be conducted with Two Examiners (i.e. one Internal and the other External) for a Maximum of 75 Marks (3 Credits).**

**Specialization Course: Airport and Airline Management**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | **Inst. Hours** | **Marks** | | |
| **CIA** | **External** | **Total** |
| 1 | Aviation and Legal Environment | Elective | 3 | - | - | - | 3 | 3 | 25 | 75 | 100 |
| 2 | Aviation Resource Management | Elective | 3 | - | - | - | 3 | 3 | 25 | 75 | 100 |
| 3 | Strategic Airport Planning and Marketing | Elective | 3 | - | - | - | 3 | 3 | 25 | 75 | 100 |
| 4 | Airline and Airport Operations | Elective | 3 | - | - | - | 3 | 3 | 25 | 75 | 100 |
| 5 | Aviation Safety and Security | Elective | 3 | - | - | - | 3 | 3 | 25 | 75 | 100 |
| 6 | Airline Marketing and Strategic Airline Alliances | Elective | 3 | - | - | - | 3 | 3 | 25 | 75 | 100 |
| 7 | Air Traffic Control | Elective | 3 | - | - | - | 3 | 3 | 25 | 75 | 100 |

**# Choose any 6 electives from the above list in consultation with the HOD or Head.**

**SYLLABUS**

**SEMESTER I**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Management Principles and Business Ethics** | Core | 4 | - | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To familiarize the students to the basic concepts of management in order to aid in understanding how an organization functions. | | | | | | | | | | | | |
| C2 | To provide insights on Planning & Decision Making | | | | | | | | | | | | |
| C3 | To throw light on Organizing, Managing Change and Innovation | | | | | | | | | | | | |
| C4 | To elucidate on Leadership, Communication and Controlling. | | | | | | | | | | | | |
| C5 | To create awareness and importance of Business Ethics and Social Responsibility. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **Introduction:** Nature of Management – Concepts and Foundations of Management- Managerial Functions- Management Skills- The Evolution of Management Thought – Tasks of a Professional Manager –Organizational Culture - Environment– Systems Approach to Management – Levels in Management – Disaster Management | | | | | | | 12 | | | C1 | | |
| II | **Planning & Decision Making:** Steps in Planning Process – Scope and Limitations – Short Term and Long Term Planning – Flexibility in Planning – Characteristics of a Sound Plan – Management By Objectives (MBO). Strategic Management ProcessDecision Making Process and Techniques. Business Models | | | | | | | 12 | | | C2 | | |
| III | **Nature of Organizing:** Organization Structure and Design - Authority Relationships – Delegation of Authority and Decentralization – Interdepartmental Coordinator – emerging Trends in corporate Structure, Strategy and Culture – Impact of Technology on Organizational design – Mechanistic vs. Adoptive Structures – Formal and Informal Organization. Span of control – Pros and Cons of Narrow and Wide Spans of Control – Optimum Span - Managing Change and Innovation. | | | | | | | 12 | | | C3 | | |
| IV | **Leadership and Control:** Leadership: Approaches to Leadership and Communication.  Control: Concept of Control – Application of the Process of Control at Different Levels of Management (top, middle and first line). Performance Standards – Measurements of Performance – Remedial Action - An Integrated Control system in an Organization – Management by Exception (MBE) – | | | | | | | 12 | | | C4 | | |
| V | **Business Ethics:** Importance of Business Ethics – Ethical Issues and Dilemmas in Business - Ethical Decision Making and Ethical Leadership – Ethics Audit - Business Ethics and - CSR Models. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Possess the knowledge on the basic concepts of management and understand how an organization functions. | | | | | | | PO4, PO6, PO8 | | | | | |
| **CO2** | Possess knowledge on planning & decision making. | | | | | | | PO1, PO2 | | | | | |
| **CO3** | Have insights on organizing, managing change and Innovation | | | | | | | PO5, PO6, PO7 | | | | | |
| **CO4** | Learn leadership, communication and controlling skills. | | | | | | | PO4, PO5 | | | | | |
| **CO5** | Have better understanding on business ethics and social responsibility. | | | | | | | PO3, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | https://deb.ugc.ac. In | | | | | | | | | | | | |
| 2. | http://wwww.managementconcepts. Com | | | | | | | | | | | | |
| 3. | International journal of Management Concepts and Philosophy | | | | | | | | | | | | |
| 4. | Journal of Management, Sage Publications | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Mukherjee, K., Principles of Management, 2nd Edition, Tata McGraw Hill Education Pvt. Ltd., 2009 | | | | | | | | | | | | |
| 2. | S. K. Mandal., Management Principles and practice, 3rd Edition, Jaico Publishing House, Jan.2011. | | | | | | | | | | | | |
| 3. | Griffin, R. W., Management, 11th Edition, South-Western College Publication, January 2018. | | | | | | | | | | | | |
| 4. | Koontz, H. and Weihrich, H., Essentials of Management: An International Perspective, 11th Edition, Tata McGraw Hill Education Private Ltd., July 2020 | | | | | | | | | | | | |
| 5. | Certo, S C. and Certo, T, Modern Management, 13th Edition, Prentice Hall, January 2014. | | | | | | | | | | | | |
| 6. | Robbins, S and Coulter, M, 11th Edition, Management, Prentice Hall, 11th edition, January 2012 | | | | | | | | | | | | |
| 7. | Shaikh Ubaid, Disaster Management, Technical publications, 1st edition, 2020 | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 |  | 2 |
| **CO 2** | 2 | 3 |  |  |  |  |  |  |
| **CO 3** |  |  |  |  | 2 | 2 | 2 |  |
| **CO 4** |  |  |  | 3 | 3 |  |  |  |
| **CO 5** |  |  | 3 |  |  |  |  | 3 |

**3-Strong 2-Medium 1-Low**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Quantitative Techniques and Research Methods in Business** | Core | 3 | 1 | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To provide the students with an introduction to probability theory and discuss how probability calculations may facilitate their decision making. | | | | | | | | | | | | |
| C2 | To construct a coherent research proposal that includes an abstract, literature review, research questions, ethical considerations and methodology. | | | | | | | | | | | | |
| C3 | To understand the basic statistical tools for analysis & interpretation of qualitative and quantitative data. | | | | | | | | | | | | |
| C4 | To recognize the principles and characteristics of the multivariate data analysis techniques. | | | | | | | | | | | | |
| C5 | To become familiar with the process of drafting a report that poses a significant problem | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **Introduction:** Probability - Rules of probability- Probability distribution; Binomial, Poisson and Normal Distributions, their applications in Business and Industrial Problem- Baye’s Theorem and its applications - Decision Making under risk and uncertainty; Maximax, Maximin, Regret Hurwitz and Laplace Criteria in Business and Decision Making - Decision tree. | | | | | | | 17 | | | C1 | | |
| II | **Research Methods:** Research - Definition - Research Process - Research Design – Definition- Types Of Research Design - Role of Theory in Research - Variables in Research – Objectives - Hypothesis -Types of Data; Preliminary Vs Secondary- Methods of Primary Data Collection; Survey, Observation, Experiments - Construction Of Questionnaire - Questionnaire Schedule- Validity and Reliability of Instruments - Types of Scales; Nominal, Ordinal, Interval - Types of Attitude Measurement Scales – Sampling Techniques; Probability And Non probability Techniques- Optimal Sample Size determination. | | | | | | | 10 | | | C2 | | |
| III | **Data Preparation and Analysis:** Data Preparation - Editing –Coding- Data Entry- Data Analysis- Testing Of Hypothesis Univariate and Bivariate Analysis -Parametric And Nonparametric Tests and Interpretation of Test Results- Chi-Square Test- Correlation; Karl Pearson’s Vs Correlation Coefficient and Spearman's Rank Correlation- Regression Analysis - One Way and Two Way Analysis of Variance. | | | | | | | 15 | | | C3 | | |
| IV | **Multivariate Statistical Analysis:** Exploratory and Confirmatory Factor Analysis -Discriminant Analysis- Cluster Analysis -Conjoint Analysis -Multiple Regression- Multidimensional Scaling- Their Application In Marketing Problems -Application of Statistical Software For Data Analysis- SEM Analysis | | | | | | | 09 | | | C4 | | |
| V | **Report Writing and Ethics in Business Research:** Research Reports- Different Types -Report Writing Format- Content of Report- Need For Executive Summary- Chapterization -Framing the Title of the Report- Different Styles Of Referencing -Academic Vs Business Research Reports - Ethics In Research. | | | | | | | 09 | | | C5 | | |
|  | **Total** | | | | | | | 60 | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Be able to develop problem-solving techniques needed to accurately calculate probabilities. | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO2** | Be able to devise research methods, techniques and strategies in the appropriate manner for managerial decision making and conduct research for the industry. | | | | | | | PO4, PO6 | | | | | |
| **CO3** | Be able to apply and interpret the different types of quantitative and qualitative methods of data analysis. | | | | | | | PO4, PO6 | | | | | |
| **CO4** | Be able to use multivariate techniques appropriately, undertake multivariate hypothesis tests, and draw appropriate conclusions. | | | | | | | PO4, PO6 | | | | | |
| **CO5** | Be able to present orally their research or a summary of another’s research in an organized, coherent, and compelling fashion. | | | | | | | PO4, PO6 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <https://www.dartmouth.edu/~chance/teaching_aids/books_articles/probability_book/amsbook.mac.pdf> | | | | | | | | | | | | |
| 2. | <https://study.com/academy/topic/probability.html> | | | | | | | | | | | | |
| 3. | <https://onlinecourses.nptel.ac.in/noc18_ma07/preview> | | | | | | | | | | | | |
| 4. | <https://hbr.org/1964/07/decision-trees-for-decision-making> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Kumar, R., Research Methodology: A Step-by-Step guide for Beginners, Sage, South Asia, 4th Edition, 2014. | | | | | | | | | | | | |
| 2. | Srivastava, T.N. and Rego, S., Statistics for Management, 2nd Edition, Tata McGraw Hill, 3rd Edition, 2016. | | | | | | | | | | | | |
| 3. | Cooper, D.R., Schindler, P. And Business Research Methods, Tata- McGrew Hill,12th Edition, 2012. | | | | | | | | | | | | |
| 4. | Cooper, D.R., Schindler, P. and Sharma, J.K., Business Research Methods,11th Edition, Tata-McGraw Hill, 12 th Edition, 2018. | | | | | | | | | | | | |
| 5. | Johnson, R.A., and Wichern, D.W., Applied Multivariate Statistical Analysis, PHI Learning Pvt. Ltd., 6 th Edition, 2012. | | | | | | | | | | | | |
| 6. | Anderson, Sweeny, Williams, Camm and Cochran, Statistics for business and Economics, Cengage Learning, New Delhi, 13th Edition, 2017 | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** | 3 | 3 |  |  |  | 3 | 3 |  |
| **CO 2** |  |  |  | 3 |  | 3 |  |  |
| **CO 3** |  |  |  | 2 |  | 2 |  |  |
| **CO 4** |  |  |  | 2 |  | 2 |  |  |
| **CO 5** |  |  |  | 2 |  | 3 |  |  |

**3-Strong 2-Medium 1-Low**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Managing Organizational Behaviour** | Core | 4 | - | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To familiarize the students to the basic concepts of managing Organizational Behaviour in order to aid in understanding how an men behave in an organization. | | | | | | | | | | | | |
| C2 | To provide insights on Individual Differences, perception, learning, Attitudes values and motivation | | | | | | | | | | | | |
| C3 | To throw light on Group Dynamics and Interpersonal Communication | | | | | | | | | | | | |
| C4 | To elucidate on Leadership, Politics, Conflicts and Negotiation. | | | | | | | | | | | | |
| C5 | To create awareness and importance of work stress and Emotional Intelligence and its influence on employees in an organization. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **Introduction to Organizational Behaviour:** Historical background of OB - Concept Relevance of OB – Contributing disciplines - to the field of OB, challenges and opportunities for OB, foundations of Individual Behaviour. Theory – social theory- Organizational Citizenship Behaviour | | | | | | | 12 | | | C1 | | |
| II | **Individual Difference -** Personality – concept and determinants of personality – theories of personality – type of theories – trait theory – psycho analytic theory - social learning theory – Erikson’s stages of Personality Development Chris Argyris Immaturity to Maturity Continuum. Personality – Job fit.  **Perception:** Meaning Process – Factors influencing perception – Attribution theory  **Learning:** Classical, Operant and Social Cognitive Approaches – Managerial implications**.**  **Attitudes and Values**:– Components, Attitude – Behaviour relationship, formation, values.  **Motivation**: Early Theories of Motivation – Hierarchy of needs theory, Theory X and Theory Y, Two factor theory, McClelland’s theory of needs and Contemporary theories of motivation – Self – Determination theory, Job Engagement, Goal Setting theory, Self– efficacy theory, Re – inforcement theory, Equity theory, Expectancy theory. | | | | | | | 12 | | | C2 | | |
| III | **Group Dynamics –** Foundations of Group Behaviour – Group and Team - Stages of Group Development–Factors affecting Group and Team Performance - Group Decision making  **Interpersonal Communication –** Communication Process – Barriers to Communication– Guidelines for Effective Communication | | | | | | | 12 | | | C3 | | |
| IV | **Leadership –** Trait, Behavioural and Contingency theories, Leaders vs Managers Power and  **Politics:** Sources of Power – Political Behaviour in Organizations – Managing Politics.  **Conflict and Negotiation:** Sources and Types of Conflict –Negotiation Strategies– Negotiation Process. | | | | | | | 12 | | | C4 | | |
| V | **Work Stress:** Stressors in the Workplace – Individual Differences on Experiencing Stress - Managing Workplace Stress. Organizational Culture and Climate: Concept and Importance – Creating and Sustaining Culture.  **Emotional Intelligence,** Work Life Integration Practices.  Knowledge based enterprise- systems and Processes; Networked and virtual organizations. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Possess the knowledge on the basic concepts of managing Organizational Behaviour in order to aid in understanding how an men behave in an organization | | | | | | | PO4 | | | | | |
| **CO2** | Possess knowledge on Individual Differences, perception, learning, Attitudes values and motivation | | | | | | | PO3, PO6 | | | | | |
| **CO3** | Have insights on Group Dynamics and Interpersonal Communication | | | | | | | PO2, PO4, PO5 | | | | | |
| **CO4** | Learn Leadership, Politics, Conflicts and Negotiation. | | | | | | | PO5 | | | | | |
| **CO5** | Have better understanding on work stress and Emotional Intelligence and its influence on employees in an organization. | | | | | | | PO6, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | [www.himpub.com](http://www.himpub.com) | | | | | | | | | | | | |
| 2. | <https://iedunote.com.organisational-behaviour> | | | | | | | | | | | | |
| 3. | [www.yourarticlelibrary.com/organisation/](http://www.yourarticlelibrary.com/organisation/) | | | | | | | | | | | | |
| 4. | Journal of Organizational Behaviour – wiley Online Library | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Prasad .L.M., Organisational Behaviour ,Sultan Chand and Sons, 2019 | | | | | | | | | | | | |
| 2. | C.B.Guptha, A Textbook Of Organisational Behaviours ,S.Chand & Company,2019 | | | | | | | | | | | | |
| 3. | K. Aswattappa, Organisational Behaviour, Himalaya Publishing House, 12th Edition, 2016. | | | | | | | | | | | | |
| 4. | Luthans, F. Organizational Behaviour, 12th Edition, Tata McGraw Hill Education, 2017. | | | | | | | | | | | | |
| 5. | McShane, S.L., Von Glinow, M.A., and Sharma, R.R., Organizational Behaviour, 5th Edition, Tata McGraw-Hill Education Pvt. Ltd., 2011. | | | | | | | | | | | | |
| 6. | Stephen P. Robins, Timothy A. Judge and Neharika Vohra, Essentials of Organisational Behaviour, 18th Edition, Pearson Education, 2019. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  |  |  |  |
| **CO 2** |  |  | 3 |  |  | 3 |  |  |
| **CO 3** |  | 3 |  | 3 | 3 |  |  |  |
| **CO 4** |  |  |  |  | 3 |  |  |  |
| **CO 5** |  |  |  |  |  | 3 |  | 2 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Accounting For Managers** | Core | 3 | 1 | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To acquaint the students with the fundamentals of principles of financial, cost and management accounting | | | | | | | | | | | | |
| C2 | To enable the students to prepare, analyses and interpret financial statements | | | | | | | | | | | | |
| C3 | To acquaint the students with the tools and techniques of financial analysis | | | | | | | | | | | | |
| C4 | To enable the students to take decisions using management accounting tools. | | | | | | | | | | | | |
| C5 | To enable the students to prepare the reports with the accounting tools and facilitate managerial decision making. | | | | | | | | | | | | |
|  | **SYLLABUS** | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Financial Accounting – Meaning - Objectives - functions. Branches of Accounting: Financial, Cost and Management Accounting - Accounting Concepts and conventions. Journal – Ledger – Trial Balance – Preparation of Final Accounts: Trading, Profit and Loss Account and Balance Sheet (problems); International Accounting Standards - IFRS | | | | | | | 12 | | | C1 | | |
| II | Financial Statement Analysis - Objectives - Techniques of Financial Statement Analysis: Common Size and Comparative Financial Statements, Trend analysis, Ratio Analysis.  Fund Flow Statement - Statement of Changes in Working Capital - Preparation of Fund Flow Statement - Cash Flow Statement Analysis- Distinction between Fund Flow and Cash Flow Statement – problem. | | | | | | | 12 | | | C2 | | |
| III | Marginal Costing - Definition - distinction between marginal costing and absorption costing - Break even point Analysis - Contribution, p/v Ratio, margin of safety - Decision making under marginal costing system-key factor analysis, make or buy decisions, export decision, sales mix decision- Problems. | | | | | | | 12 | | | C3 | | |
| IV | Budget, Budgeting, and Budgeting Control - Types of Budgets - Preparation of Flexible and fixed Budgets, master budget and Cash Budget - Problems - Zero Base Budgeting. | | | | | | | 12 | | | C4 | | |
| V | Cost Accounting : meaning – Objectives - Elements of Cost – Cost Sheet(Problems) – classification of cost – Cost Unit and Cost Centre – Methods of Costing – Techniques of Costing. Standard costing and variance analysis Reporting to Management – Uses of Accounting information in Managerial decision-making. Reporting-Accounting Standards and Accounting Disclosure practices in India; Exposure to Practical Knowledge of using Accounting software- Open Source. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Be able to understand the fundamentals of principles of financial, cost and management accounting | | | | | | | PO6 | | | | | |
| **CO2** | Be able to prepare, analyze and interpret financial statements | | | | | | | PO1, PO2, PO4, PO6, PO7 | | | | | |
| **CO3** | Be able to use the tools and techniques of financial analysis. | | | | | | | PO1, PO2, PO3, PO6, PO7 | | | | | |
| **CO4** | Be able to take decisions using management accounting tools. | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO5** | Be able to prepare the reports with the accounting tools and facilitate and take managerial decisions. | | | | | | | PO2, PO3, PO4, PO6, PO7, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | [http://files.rajeshindukuristudyplace.webnode.com/200000014-9621c971b8/ accounting%20 for%20 managers.pdf](http://files.rajeshindukuristudyplace.webnode.com/200000014-9621c971b8/%20accounting%20%20for%20%20managers.pdf) | | | | | | | | | | | | |
| 2. | <http://shodhganga.inflibnet.ac.in/bitstream/10603/70588/9/09_chapter%201.pdf> | | | | | | | | | | | | |
| 3. | <http://educ.jmu.edu/~drakepp/principles/module6/capbudtech.pdf> | | | | | | | | | | | | |
| 4. | [https://www.researchgate.net/publication/313477460\_concept\_of\_working\_capital\_management](https://www.researchgate.net/publication/313477460_CONCEPT_OF_WORKING_CAPITAL_MANAGEMENT) | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Gupta, A., Financial Accounting for Management: An Analytical Perspective, 5th Edition, Pearson, 2016. | | | | | | | | | | | | |
| 2. | Khan, M.Y. and Jain, P.K., Management Accounting: Text, Problems and Cases, 8thEdition, Tata McGraw Hill Education Pvt. Ltd., 2021. | | | | | | | | | | | | |
| 3. | Nalayiram Subramanian, Contemporary Financial Accounting and reporting for Management – a holistic perspective- Edn. 1, 2014 published by S. N. Corporate Management Consultants Private Limited | | | | | | | | | | | | |
| 4. | Horngren, C.T.,Sundem, G.L., Stratton, W.O., Burgstahler, D. and Schatzberg, J., 16th Edition, Pearson, 2013 | | | | | | | | | | | | |
| 5. | Noreen, E., Brewer, P. and Garrison, R., Managerial Accounting for Managers, 13th Edition, Tata McGraw-Hill Education Pvt. Ltd., 2009. | | | | | | | | | | | | |
| 6. | Rustagi,R. P., Management Accounting, 2nd Edition, Taxmann Allied Services Pvt. Ltd, 2011 | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  |  |  | 2 |  | 2 |
| **CO 2** | 3 | 3 |  | 3 |  | 3 | 2 |  |
| **CO 3** | 3 | 3 | 3 |  |  | 3 | 2 |  |
| **CO 4** | 3 | 3 |  |  |  | 3 | 3 |  |
| **CO 5** |  | 3 | 3 | 3 |  | 3 | 2 | 2 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Managerial Economics** | Core | 4 | - | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To familiarize the students about managerial economics and to know the fundamental concepts affecting business decisions. | | | | | | | | | | | | |
| C2 | To understand the concept of utility and demand analysis and demand forecasting | | | | | | | | | | | | |
| C3 | To know about production function and market structure | | | | | | | | | | | | |
| C4 | To have an idea and understanding about Macroeconomics like National Income, savings and investment, Indian economic policy and Planning. | | | | | | | | | | | | |
| C5 | To Provide insights on Money Market, Inflation and Deflation, Monetary and Fiscal policies, FDI and cashless economy. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction: Definition of Managerial Economics. Decision Making and the Fundamental Concepts Affecting Business Decisions – the Incremental Concept, Marginalism, Equi-marginal Concept, the Time Perspective, Discounting Principle, Opportunity Cost Principle- Micro and Macro Economics. | | | | | | | 12 | | | C1 | | |
| II | Utility Analysis and the Demand Curve: Elasticity of Demand - Demand Analysis: Basic Concepts, and tools of analysis for demand forecasting. Use of Business Indicators: Demand forecasting for consumer, Consumer Durable and Capital Goods. Input-Output Analysis – Consumer Behavior-Consumer Equilibrium | | | | | | | 12 | | | C2 | | |
| III | The Production Function: Production with One Variable Input – Law of Variable Proportions – Production with Two Variable Inputs – Production Isoquants – Isocost Lines Estimating Production Functions- Returns to Scale– Economies Vs Diseconomies of Scale – Cost Concepts – Analysis of cost – Short and long run costs.  Market Structure: Perfect and Imperfect Competition – Monopoly, Duopoly, Monopolistic Competition – Pricing Methods. | | | | | | | 12 | | | C3 | | |
| IV | Macro Economic Variables – National Income- Concepts – Gross Domestic Product, Gross National Product, Net National Product – Measurement of National Income, Savings, Investment - Business Cycles and Contracyclical Policies – Role of Economic Policy – Indian Economic Planning | | | | | | | 12 | | | C4 | | |
| V | Commodity and Money Market: Demand and Supply of Money – Money Market Equilibrium – Monetary Policy – Inflation – Deflation – Stagflation-Role of Fiscal Policies- Indian Fiscal Policies - Government Policy towards Foreign Capital and Foreign Collaborations – Globalization and its Impact. Cashless economy and digitalized cash transfers; Economic models and its steps; FEMA-GST-Industrial Policy in India and its effects on growth. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Be able to understand the basic concepts of managerial economics that helps the firm in decision making process. | | | | | | | PO2, PO4 | | | | | |
| **CO2** | Be familiar about the Basic concepts of Demand, Supply and Equilibrium and their determinants | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO3** | Have better idea and understanding about production function and market structure | | | | | | | PO6, PO7 | | | | | |
| **CO4** | Have better insights about macroeconomics concepts like National income, Savings and Investment, Indian Economic Policy and planning | | | | | | | PO8 | | | | | |
| **CO5** | Possess better knowledge about Money market, Monetary and Fiscal policy, inflation and deflation, FDI and globalization and Cashless economy and digitalized cash transfers. | | | | | | | PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <http://pearsoned.co.in/prc/book/paul-g-keat-managerial-economics-economic-tools-todays-decision-makers6e-6/9788131733530> | | | | | | | | | | | | |
| 2. | [http://www.onlinevideolecture.com/mba-programs/kmpetrov/managerial economics/?courseid=4207](http://www.onlinevideolecture.com/mba-programs/kmpetrov/managerial%20economics/?course_id=4207) | | | | | | | | | | | | |
| 3. | <https://www.slideshare.net/dvy92010/nature-and-scope-of-managerial-economics-76225857> | | | | | | | | | | | | |
| 4. | The Indian Economic Journal - SAGE Journals | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | 1. Damodaran, S., Managerial Economics, 2nd Edition, Oxford University Press, 2011. | | | | | | | | | | | | |
| 2. | Dwivedi, D.N., Managerial Economics, Vikas Publishing House, 2011. | | | | | | | | | | | | |
| 3. | R. L. Varshney , K.L. Maheshwari., Managerial Economics, Sultan Chand & Sons, 2014. | | | | | | | | | | | | |
| 4. | William F. Samuelson, Stephen G. Marks, Jay L., Zagorsky., Managerial Economics, Wiley Publishers, 9th Edition (2021) | | | | | | | | | | | | |
| 5. | H. L. Ahuja., Managerial Economics., Atlantic Publishers and distributors(P) Ltd., 2017. | | | | | | | | | | | | |
| 6. | Dominick Salvatore, Managerial Economics: Principles and worldwide applications, 9E Adaptation, Oxford university press, 9th Edition, 2020. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  | 2 |  | 3 |  |  |  |  |
| **CO 2** |  |  |  | 3 |  | 2 | 2 |  |
| **CO 3** |  |  |  |  |  | 3 | 3 |  |
| **CO 4** |  |  |  |  |  |  |  | 2 |
| **CO 5** |  |  |  |  |  |  | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Legal Systems in Business** | Core | 4 | - | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To create knowledge and understanding on law of contracts | | | | | | | | | | | | |
| C2 | To describe about sale of goods and Negotiable instrument act | | | | | | | | | | | | |
| C3 | To have an overall understanding about partnership act and company law. | | | | | | | | | | | | |
| C4 | To familiarize various labor laws for effective administration of Human Resource of an organization. | | | | | | | | | | | | |
| C5 | To provide insights and awareness about consumer protection act, Cyber-crimes, Intellectual property Rights. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **The Law of Contracts:** Definition of Contact Offer and Acceptance – Essential Elements of a Valid Contract: Free Consent – Competency of Parties – Lawful Consideration – Legality of Object. Void, Voidable, Unenforceable and Illegal Contracts – Performance of Contracts – Privity of Contracts – Assignment of Contracts – By Whom Contract must be Performed – Time and Place of Performance – Performance of Reciprocal Promises – Contracts which need not be performed, Discharge of Contracts : By Performance, By Agreement, By Impossibility, By Lapse of Time, By Operation of Law and By Breach of Contracts – Remedies for Breach of Contracts. | | | | | | | 12 | | | C1 | | |
| II | **Sale of Goods Act:** Definition of a Sale and a Contract of Sale – Difference between (1) Sale and an Agreement to Sell (2) Sale and a Contract Form (3) Sale and Bailment (4) Sale and Mortgage of Goods (5) Sale and Time Purchase Conditions and Warranties – Passing of Property of Goods – Rights of an Unpaid Seller.  **Negotiable Instruments Act:** Negotiable Instruments in General: Cheques, Bills of Exchange and Promissory Notes – Definition and Characteristics | | | | | | | 12 | | | C2 | | |
| III | **Partnership Act:** Evolution – Definition of Partnership – Difference between Partnership and Joint Family Business – Kinds of Partnerships – Registration – Rights and Liabilities of Partners – Dissolution.  **Company Law:** Evolution of Company Form of Organisation – Companies Separate Legal Entity – Comparison of Company with Partnership and Joint Hindu Family Business – Kinds of Companies – Comparison of Private and Public Companies – Formation of Companies – General Idea About Memorandum and Articles of Association, Prospectus, Statement in lieu of Prospectus – Management of Companies – General Idea of Management of Companies – Officers, Meetings – Resolutions – Account and Audit – Winding up of Companies – General Idea of the Different Modes of Winding Up. | | | | | | | 12 | | | C3 | | |
| IV | **Labour Law:** Factories Act, Minimum Wages Act, Industrial Disputes Act, Employees Compensation Act, Payment of Bonus Act 1965. Payment of Gratuity Act 1972. ESI Act, Employees Provident Fund and Miscellaneous Provisions Act 1952, Maternity Benefits Act, Child labour Abolition & Regulation Act,1986- Inter-state Migrant Workmen (Regulation of Employment & Conditions of services) Act 1979- Bonded Labour system (Abolition)Act 1976- Sexual Harassment of women at Workplace (Prevention, Prohibition & Redressal) Act 2013- Contract Labour (Regulation and Abolition) Act- Four Labour Codes and Rules-RTI Act 2005. | | | | | | | 12 | | | C4 | | |
| V | Consumer Protection Act, Competition Act 2002, Cyber Crimes, IT Act 2008 – Intellectual Property Rights: Types of Intellectual Property – Trademarks Act 1999 – The Copyright Act 1957 – International Copyright Order, 1999 – Design Act, 2000; UNICITRAL – United Nations Commission on International Trade Law. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Have knowledge on understandings on law of contract. | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Know the sale of Goods & Negotiable instrument act. | | | | | | | PO6 | | | | | |
| **CO3** | Have understandings on partnership and company law | | | | | | | PO6, PO7 | | | | | |
| **CO4** | Have familiarize with various labour laws. | | | | | | | PO5, PO6, PO7 | | | | | |
| **CO5** | Possess insights & awareness about consumer protection Act Cyber Crimes, Intellectual Property Rights. | | | | | | | PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <http://www.legalserviceindia.com/article/> | | | | | | | | | | | | |
| 2. | [http://www.freebookcentre.net/Law/Law-Books.html 2](http://www.freebookcentre.net/Law/Law-Books.html%202) | | | | | | | | | | | | |
| 3. | <https://www.mooc-list.com/course/business-law-wma> | | | | | | | | | | | | |
| 4. | <https://ilj.law.indiana.edu/> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Kapoor ND., Legal Systems in Business, Edition 2 (2021), Sultan Chand & Sons. | | | | | | | | | | | | |
| 2. | Rao, P.M., Mercantile Law, PHI Learning, 2011. | | | | | | | | | | | | |
| 3. | Majumdar, A. K. and Kapoor, G.K., Company Law, 15th Edition, Taxmann Publications Pvt. Ltd., 2012. | | | | | | | | | | | | |
| 4. | Majumdar, A. K. and Kapoor, G.K., Company Law and Practice, 17th Edition, Taxmann Publications Pvt. Ltd., 2012. | | | | | | | | | | | | |
| 5. | Intellectual Property Laws, Universal Law Publishing, 2012. | | | | | | | | | | | | |
| 6. | Daniel Albuquerque , Legal systems in Business, Oxford University Press India, 2nd Edition, 2015. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 2** |  |  |  |  |  | 2 |  |  |
| **CO 3** |  |  |  |  |  | 2 | 2 |  |
| **CO 4** |  |  |  |  | 2 | 2 | 2 |  |
| **CO 5** |  |  |  |  |  |  |  | 2 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Entrepreneurship Development** | Extra Disciplinary | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To introduce students to entrepreneurship and its growth in India. | | | | | | | | | | | | |
| C2 | To impart knowledge on innovation, its types, role of technology in innovation, patents and licensing. | | | | | | | | | | | | |
| C3 | To orient the students on new venture creation | | | | | | | | | | | | |
| C4 | To enable students to prepare a feasible business plan | | | | | | | | | | | | |
| C5 | To give inputs on various types of financing available for new ventures. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction: The Entrepreneur – Definition – Characteristics of Successful entrepreneur. Entrepreneurial scene in India; MSME; Analysis of entrepreneurial growth in different communities – Case histories of successful entrepreneurs. Similarities and Distinguish between Entrepreneur and Intrapreneur. | | | | | | | 9 | | | C1 | | |
| II | Innovation in Business: Types of Innovation – Creating and Identifying Opportunities for Innovation – Design Thinking- The Technological Innovation Process – Creating New Technological Innovation and Intrapreneurship – Licensing – Patent Rights – Innovation in Indian Firms | | | | | | | 9 | | | C2 | | |
| III | New Venture Creation: Identifying Opportunities for New Venture Creation: Environment Scanning – Generation of New Ideas for Products and Services. Creating, Shaping, Recognition, Seizing and Screening of Opportunities. Feasibility Analysis: Technical Feasibility of Products and Services – Marketing Feasibility: Marketing Methods – Pricing Policy and Distribution Channels | | | | | | | 9 | | | C3 | | |
| IV | Business Plan Preparation: Benefits of a Business Plan – Elements of the Business Plan – Developing a Business Plan – Guidelines for preparing a Business Plan – Format and Presentation; Start-ups and e-commerce Start-ups. Business Model Canvas | | | | | | | 9 | | | C4 | | |
| V | Financing the New Venture: Capital structure and working capital Management: Financial appraisal of new project, Role of Banks – Credit appraisal by banks. Institutional Finance to Small Industries – Incentives – Institutional Arrangement and Encouragement of Entrepreneurship. | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Be able to know about growth of entrepreneurship in India | | | | | | | PO4, PO7 | | | | | |
| **CO2** | Gain knowledge on innovation, its types, role of technology in innovation, patents and licensing | | | | | | | PO7, PO8 | | | | | |
| **CO3** | Obtain knowledge on new venture creation | | | | | | | PO6, PO7 | | | | | |
| **CO4** | Be able to prepare a business plan | | | | | | | PO7, PO8 | | | | | |
| **CO5** | Gian knowledge on various types of financing available for new ventures. | | | | | | | PO7, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <http://www.jimssouthdelhi.com/sm/BBA6/ED.pdf> | | | | | | | | | | | | |
| 2. | https://[www.cengage.com/highered](http://www.cengage.com/highered) | | | | | | | | | | | | |
| 3. | <https://roadmapresearch.com/entrepreneurship-beyond-curriculum> | | | | | | | | | | | | |
| 4. | The International Journal of Entrepreneurship and Innovation | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Reddy, N., Entrepreneurship: Text and Cases, Cengage Learning, 2010. | | | | | | | | | | | | |
| 2. | Roy, R., Entrepreneurship, 2nd Edition, Oxford University Press, 2011. | | | | | | | | | | | | |
| 3. | Barringer, B., Entrepreneurship: Successfully Launching New Ventures,  3rd Edition, Pearson, 2011. | | | | | | | | | | | | |
| 4. | Bessant, J., and Tidd, J., Innovation and Entrepreneurship, 2nd Edition, John  Wiley &amp; Sons, 2011. | | | | | | | | | | | | |
| 5. | Desai, V., Small Scale Industries and Entrepreneurship, Himalaya Publishing  House, 2011. | | | | | | | | | | | | |
| 6. | Entrepreneurship: Successfully Launching New Ventures, Global Edition, 6th  Edition Bruce R. Barringer, Texas A & amp; M University, R. Duane Ireland,  ©2018 |Pearson | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  |  | 3 |  |
| **CO 2** |  |  |  |  |  |  | 3 | 2 |
| **CO 3** |  |  |  |  |  | 2 | 3 |  |
| **CO 4** |  |  |  |  |  |  | 3 | 2 |
| **CO 5** |  |  |  |  |  |  | 3 | 3 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Soft Skills I – Executive Communication** | Soft Skills | - | - | 2 | - | 2 | | 30 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To acquire communication awareness they are going to get for the industry. | | | | | | | | | | | | |
| C2 | To make the customer realize that you can provide them with information and other essential things | | | | | | | | | | | | |
| C3 | To explore the skill of writing business proposals | | | | | | | | | | | | |
| C4 | To **develop a** plan for the meetings and interviews | | | | | | | | | | | | |
| C5 | To analyze the skills required for non-verbal communication | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **UNIT 1- Communication:** Meaning and Significance of Communication for Management- Types of Communication Factors Affecting Effectiveness of Communication- Barriers to Communication- Principles of Effective Communication Dyadic Communication- Face-to-face Communication. Other Modes of Communication. | | | | | | | 6 | | | C1 | | |
| II | **UNIT 11- Business Correspondence:** Planning Business Messages: Analyzing the Task, Anticipating the Audience. Adapting the Message Organizing and Writing Business Messages: Patterns of organization, Use of Tools such as Mind Maps, Composing the Message- Norms for Business Letters Letters for Different Kinds of Situation: Personalized Standard Letters, Enquiries, Inviting Quotations, Sending Quotations, Placing Orders, Inviting tenders, Claim letters, Customers Complaints, Collection Letters, Sales Promotion Letters- Revising Business Messages: Revising for Clarity. Conciseness and Readability, Proof reading and Evaluating- Letters of application and resume. | | | | | | | 6 | | | C2 | | |
| III | **UNIT III- Business Reports and Proposals:** Structure of Reports- Long and Short Reports: Formal and Informal Reports- Writing Research Reports- Technical Reports- Norms for Including Exhibits and Appendices- Writing Business Proposals. | | | | | | | 6 | | | C3 | | |
| IV | **UNIT IV- Conducting Meetings and Interviews:** Procedure for Conducting Meetings- Preparing Agenda, Minutes and Resolutions- Conducting Seminars and Conferences- Procedure of Regulating Speech- Evaluating Oral Presentations Drafting Speech- Participating in Debates and Group Discussions- Presentation Skills- Fluency Development Strategies- Attending and Conducting Interviews- Listening. | | | | | | | 6 | | | C4 | | |
| V | **UNIT V- Non-verbal Communication:** Personal Appearance- Posture- Body Language- Reading Nonverbal Messages- Use of Charts. Diagrams and Tables- Visual and Audio-visual Aids for Communication. | | | | | | | 6 | | | C5 | | |
|  | **Total** | | | | | | | **30** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Understanding of theories and concepts, types and various modes of communication in organizations | | | | | | | PO4, PO6 | | | | | |
| **CO2** | Development of skills on developing Business Correspondence | | | | | | | PO4, PO6 | | | | | |
| **CO3** | Development of skills onpreparing Business Reports and Proposals | | | | | | | PO4, PO6 | | | | | |
| **CO4** | To draft effective business correspondence with brevity, and clarity in designing and developing clean and lucid organizing skills. | | | | | | | PO4, PO6 | | | | | |
| **CO5** | To demonstrate his/her verbal and non-verbal communication ability through presentations. | | | | | | | PO4, PO6 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <https://www.skillsyouneed.com/ips/communication-skills.html> | | | | | | | | | | | | |
| 2. | <https://mtbt.fpg.unc.edu/more-baby-talk/10-ways-promote-language-and-communication-skills-infants-and-toddlers> | | | | | | | | | | | | |
| 3. | <http://skillopedia.com> | | | | | | | | | | | | |
| 4. | <https://www.habitsforwellbeing.com/9-effective-communication-skills> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Chaney, L. and Martin, J., Intercultural Business Communication. Person, 4 ed., 2008. | | | | | | | | | | | | |
| 2. | Chaturvedi, Business Communication, Person, 2 edition, 2011 | | | | | | | | | | | | |
| 3. | Bovec L. Courtland and John V. Thill, Business Communication Today, 10 ed., Pearson Education, New Delhi, 2011. | | | | | | | | | | | | |
| 4. | American Management Association, The AMA Handbook of Business Writing: The Ultimate Guide to Style, Usage, Punctuation, Construction and Formatting, 2010. | | | | | | | | | | | | |
| 5. | Gerson, Sharan J., and Steven M Gerson, Technical Writing: Process and Product, Person Education, New Delhi, 2008 | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  | 3 |  |  |
| **CO 2** |  |  |  | 3 |  | 3 |  |  |
| **CO 3** |  |  |  | 3 |  | 3 |  |  |
| **CO 4** |  |  |  | 3 |  | 3 |  |  |
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**3-Strong 2-Medium 1-Low**

**SEMESTER II**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Applied Operations Research** | Core | 3 | 1 | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To provide the students with introduction on OR and its models to aid in understanding its applicability in the various functional areas of management. | | | | | | | | | | | | |
| C2 | To understand the concept of linear programming models in determining profit maximization and cost minimization | | | | | | | | | | | | |
| C3 | To learn about various methods adopted in transportation and Assignments models. | | | | | | | | | | | | |
| C4 | To determine about inventory models, replacement models, job sequencing, networking model and Queuing model | | | | | | | | | | | | |
| C5 | To throw light on dynamic model and game models and the application of pure and mixed strategies in competitive environment. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction: Overview of operations research – Origin – Nature, scope & characteristics of OR – Models in OR – Application of operations research in functional areas of management | | | | | | | 08 | | | C1 | | |
| II | Linear Programming Problem: Linear programming problem model – Formulation – Maximization & Minimization problem – Graphical method – Simplex method – Artificial variable –- Primal & Dual. | | | | | | | 12 | | | C2 | | |
| III | Transportation problem: Basic Solution – North / West corner Solution, LCM, VAM, Matrices method – Optimal Solution – Stepping stone method – Vogel’s approximation method – Modi method – Degeneracy – Imbalance matrix. Assignment model: Hungarian method – Traveling salesmen problem. | | | | | | | 12 | | | C3 | | |
| IV | Project Scheduling and Resource Management: Deterministic Inventory models – Purchasing & Manufacturing models – Probabilistic inventory models – Replacement model – Sequencing – Brief Introduction to Queuing models. Networking – Programme Evaluation and Review Technique (PERT) and Critical Path Method (CPM) for Project Scheduling- Crashing – Resource allocation and Resource Scheduling. | | | | | | | 18 | | | C4 | | |
| V | Game Theory and Strategies: Games theory – two player zero sum game theory – Saddle Point –Mixed Strategies for games without saddle points – Dominance method – Graphical and L.P Solutions- Goal Programming; Simulation; Integer programming and Dynamic programming. | | | | | | | 10 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Obtain insight on the origin and nature of OR and also the application of various models of OR. | | | | | | | PO4, PO6 | | | | | |
| **CO2** | Learn about the graphical, Simplex, Big M and dual methods of Linear programming problem. | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO3** | Be well versed with the concept of transportation and Assignments models | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO4** | Have better understanding on inventory models, replacement models, job sequencing, networking model and Queuing model | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO5** | Be imparted knowledge on the various methods of game model | | | | | | | PO2, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | [www.cbom.atozmath.com](http://www.cbom.atozmath.com) | | | | | | | | | | | | |
| 2. | <http://www.pondiuni.edu.in/storage/dde/downloads/mbaii_qt.pdf> | | | | | | | | | | | | |
| 3. | [http://164.100.133.129;81/econtent/Uploads/Operations\_Research.pdf](http://164.100.133.129:81/econtent/Uploads/Operations_Research.pdf) | | | | | | | | | | | | |
| 4. | <https://www.journals.elsevier.com/operations-research-perspectives> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Anderson, D.R., Sweeney, D.J., Williams, T.A. and Martin, K., An Introduction to Management Science: Quantitative Approach to Decision Making, 14th Edition Paperback – 1, Cengage Learning India Pvt. Ltd., 2019 | | | | | | | | | | | | |
| 2. | Gupta, P.K., and Comboj, Introduction to Operations Research, S. Chand, 2014 | | | | | | | | | | | | |
| 3. | Hiller, F., Liebermann, Nag and Basu, Introduction to Operations Research, 11th Edition Paperback, Tata McGraw-Hill Publishing Co. Ltd., 2021 | | | | | | | | | | | | |
| 4. | Khanna, R.B., Quantitative Techniques for Managerial Decision Making, 3rd Edition – Paperback, New Age International Publishers, 2018 | | | | | | | | | | | | |
| 5. | Taha, H.A., Operations Research: An Introduction, 10th Edition, Pearson, 2019 | | | | | | | | | | | | |
| 6. | Vohra,N.D., Quantitative Techniques in Management, 5th Edition, Tata McGraw Hill Education Pvt. Ltd., 2017. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 |  |  |
| **CO 2** | 3 | 2 |  |  |  | 2 | 2 |  |
| **CO 3** | 3 | 3 |  |  |  | 3 | 2 |  |
| **CO 4** | 3 | 3 |  |  |  | 2 | 2 |  |
| **CO 5** |  | 3 |  |  |  |  | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Human Resource Management** | Core | 4 | - | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To embark importance of HRM role, functions and need | | | | | | | | | | | | |
| C2 | To assimilate theoretical and practical implications of HRP | | | | | | | | | | | | |
| C3 | To critically use appropriate training tools | | | | | | | | | | | | |
| C4 | To analyze and implement an effective performance management | | | | | | | | | | | | |
| C5 | To extrapolate and design compensation management techniques | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **Introduction:** Introduction of Human Resource Management: Importance of Human Resources, Definition and Objectives of Human Resources Management, Qualities of a good HR manager – Evolution and growth of Human Resource Management in India. Functions of Human Resource Management. Strategic Human Resource Management (SHRM).Human Resource Policies: Need, type and scope, Human Resource Accounting and Audit- Gig Economy. | | | | | | | 12 | | | C1 | | |
| II | **Human Resource Planning (HRP):** Human Resources Planning: Long and Short term planning, Job Analysis, Skills inventory, Job Description, Job Specification and Succession Planning, Strategic Human Resource Planning.  Recruitment and selection: Purposes, types and methods of recruitment and selection, Relative merits and demerits of the different methods, Recruitment and Social Media.  Placement, Induction, Transfers, Promotions, Dismissal, Resignation, Exit Interviews, Reduction of attrition rate- Attrition and retention management | | | | | | | 12 | | | C2 | | |
| III | **Training, Development & Career Management:**  Importance and benefits of Training and Development, Types of Training Methods, Executive Development Programs, Concept and process of Career Management; Competency mapping, Knowledge Management & Talent Management. | | | | | | | 12 | | | C3 | | |
| IV | **Performance Management:**  Importance, process and Methods: Ranking, rating scales, critical incident method, Removing subjectivity from evaluation, MBO as a method of appraisal, Performance Feedback, Online PMS. Human Resource Information System; International Human Resource Management; Cross cultural diversity management; Hybrid work culture; work-life balance; Quality of work-life; HR Analytics. | | | | | | | 12 | | | C4 | | |
| V | **Compensation Management:** Wage and Salary Administration: Job Evaluation, Calculation of Wage, Salary, Prerequisites, Compensation Packages, Cost of Living Index and Calculation of Dearness Allowance, Rewards and Incentives; ESOP-Financial and non-financial incentives, Productivity – linked Bonus, Compensation Criteria, Rewards and Recognition. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Gain an understanding of HRM policies and importance. | | | | | | | PO4, PO6 | | | | | |
| **CO2** | Implement appropriate HRP in workplace. | | | | | | | PO6 | | | | | |
| **CO3** | Apply feasible Training method and manage career progressions. | | | | | | | PO5, PO6, PO7 | | | | | |
| **CO4** | Demonstrate managing performance of human resources. | | | | | | | PO6, PO7 | | | | | |
| **CO5** | Design and justify compensation framework. | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <https://businessjargons.com/performance-management.html> | | | | | | | | | | | | |
| 2. | <https://www.hr-guide.com/data/G400.htm> | | | | | | | | | | | | |
| 3. | <https://www.managementstudyguide.com/training-development-hr-function.htm> | | | | | | | | | | | | |
| 4. | <https://www.tandfonline.com/toc/rijh20/current> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Ashwathappa, K., Human Resource Management, 9th Edition, Tata McGraw-Hill Education Pvt. Ltd., 2021. | | | | | | | | | | | | |
| 2. | Ivanecevich, J.M., Human Resource Management, 12th Edition, Tata McGraw-Hill Education Pvt. Ltd., 2020. | | | | | | | | | | | | |
| 3. | Gary Dessler & Biju Varrkey, Human Resource Management, 16th Edition, Pearson India Pvt. Ltd., 2020. | | | | | | | | | | | | |
| 4 | DeCenzo, D.A., Robbins S.P., Susan L Verhulst, Human Resource Management, 11th Edition, Wiley India Pvt. Ltd., 2015. | | | | | | | | | | | | |
| 5. | Leigh Thompson, Making the team, A guide for Managers, Pearson, 6th Edition 2019. | | | | | | | | | | | | |
| 6. | Gary Dessler, Fundamentals of Human Resource Management, Pearson, 4th Edition 2017. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | M |  | M |  |  |
| **CO 2** |  |  |  |  |  | M |  |  |
| **CO 3** |  |  |  |  | S | S | M |  |
| **CO 4** |  |  |  |  |  | M | M |  |
| **CO 5** |  |  |  | M |  | M | M |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Marketing Management** | Core | 4 | - | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To develop an understanding and enhance the knowledge about marketing theories, principles, strategies and concepts and how they are applied. | | | | | | | | | | | | |
| C2 | To provide with opportunities to analyze marketing activities within the firm. | | | | | | | | | | | | |
| C3 | To analyze and explore the buyer behavior pattern in marketing situations. | | | | | | | | | | | | |
| C4 | To understand the branding, pricing and strategies in marketing a product. | | | | | | | | | | | | |
| C5 | To upgrade the knowledge and awareness of Consumer Rights in the Market. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction: Marketing Management Philosophies – What is marketing- The concepts of marketing- Marketing and Services – Digital Marketing – Social Media Marketing – Current marketing challenges; Rural Marketing – E-Rural Marketing – International Marketing – Industrial Marketing. | | | | | | | 12 | | | C1 | | |
| II | Strategic Marketing– Marketing Management Process – Analysis of Marketing opportunities, Selecting Target Consumers, developing Marketing Mix Analysis of Macro and Micro environment Marketing Research as an Aid to Marketing, Marketing Research Process – Sales Forecasting –Techniques. Marketing Tactics, The Mix Service and Retail Marketing. | | | | | | | 12 | | | C2 | | |
| III | MIS: Marketing Information Systems- Customer Relationship Management (CRM) Customer Engagement Marketing – Sales force Automation- Marketing Analytics | | | | | | | 12 | | | C3 | | |
| IV | Buyer Behaviour: Factors Influencing Consumer Behaviour – Buying situation– Buying Decision Process – Industrial Buyer Behaviour. Market Segmentation : Targeting and Positioning – Competitive Marketing Strategies. Customer Life Cycle – Customer Life time Value, Product Portfolio Management. | | | | | | | 12 | | | C4 | | |
| V | Product Policies: Consumer and Industrial Product Decisions, Branding, Packaging and Labelling – New Product Development and Product Life Cycle Strategies, Pricing – Pricing Strategies and approaches, Promotion Decisions: Promotion Mix – Integrated Marketing Communication – Advertising and Sales Promotion - Sales Force Decisions, Selection, Training, Compensation and Control – Publicity and Personal Selling – Distribution Management – Channel Management: Selection, Co-operation and Conflict Management – Vertical, Horizontal and Multi-channel Systems Consumer Protection – Awareness of Consumer Rights in the Market Place. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Understand the fundamental principles of marketing, marketing concepts and ideas. | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Understand the organization’s marketing strategy and marketing environment. Familiar with marketing research with forecasting techniques. | | | | | | | PO4, PO6 | | | | | |
| **CO3** | Understand the buyer behavior and market segmentation and competitive marketing strategies. | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO4** | Think strategically about branding, pricing and marketing issues. | | | | | | | PO3, PO4, PO6, PO7 | | | | | |
| **CO5** | Familiar with Promotion decisions along with awareness on Consumer Rights in the Market Place. | | | | | | | PO6, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <https://ocw.mit.edu/courses/sloan-school-of-management/15-810-marketing-management-fall-2010/lecture-notes/> | | | | | | | | | | | | |
| 2. | <https://cpbucket.fiu.edu/mar3023vd1131/syllabus.html> | | | | | | | | | | | | |
| 3. | <https://www.ama.org/ama-academic-journals/> | | | | | | | | | | | | |
| 4. | <https://www.emerald.com/insight/publication/issn/0736-3761> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Pillai & Baghawathy, Marketing Management, S.Chand , 2010. | | | | | | | | | | | | |
| 2. | Gupta Prachi, Aggarwal Ashita , et al., Marketing Management: Indian Cases, 1st Edition, 2017 | | | | | | | | | | | | |
| 3. | G.Shainesh Philip Kotler, et..al., Marketing Management; Indian Case Studies included, 16th Edition, Pearson, 2022 | | | | | | | | | | | | |
| 4. | [Warren J. Keegan](https://www.amazon.in/Warren-J-Keegan/e/B001ILHKJY?ref=sr_ntt_srch_lnk_2&qid=1656309878&sr=1-2), Global Marketing Management, 8thEdition, Pearson, 2017. | | | | | | | | | | | | |
| 5. | Mullins, Marketing Management: A Strategic Decision Making Approach, 7th Edition, McGraw-Hill, 2010. | | | | | | | | | | | | |
| 6. | Philip Kotler and  [Keven Lane Keller](https://www.amazon.in/s/ref=dp_byline_sr_book_2?ie=UTF8&field-author=Keven+Lane+Keller&search-alias=stripbooks), Marketing Management, 15th Edition, Pearson, 2015 | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 2** |  |  |  | 3 |  | 3 |  |  |
| **CO 3** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 4** |  |  | 2 | 2 |  | 2 | 2 |  |
| **CO 5** |  |  |  |  |  | 2 |  | 2 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Operations Management** | Core | 3 | 1 | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To understand the production function, production design & capacity planning, | | | | | | | | | | | | |
| C2 | Exploring the Make or Buy decision, and thus understanding the role of inventory management | | | | | | | | | | | | |
| C3 | To determine multiple plant location decisions and effective utilization of plant layout. To explain the models, concepts, and techniques adopted in the areas of inventory control and maintenance. | | | | | | | | | | | | |
| C4 | To elucidate the importance and usefulness of work-study and quality control tools | | | | | | | | | | | | |
| C5 | To provide insights on service operations management and waiting line analysis. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | INTRODUCTION: Operations Management- Nature, Scope, Historical Development, Functions- Long term Vs Short term issues- A Systems Perspective- Challenges- Manufacturing Trends in India-Production Design and Process Planning- Types of Production Processes- Plant Capacity-Capacity Planning- Make or Buy Decisions- Use of Crossover Chart for Selection Processes-Types of Charts used in Operations Management. | | | | | | | 12 | | | C1 | | |
| II | FACILITY DESIGN: Plant Location: Factors to be considered in Plant Location- Location Analysis Techniques- Choice of General Region, Particular community and Site- Multiple Plant Location Decision- Plant Location Trends. Layout of Manufacturing Facilities: Principles of a Good Layout- Layout Factors- Basic Types of Layout- Principles of Materials Handling- Materials Handling Equipment - Role of Ergonomics in Job Design. | | | | | | | 12 | | | C2 | | |
| III | INVENTORY CONTROL AND MAINTENANCE: Basic Inventory Models- Economic Order Quantity- Economic Batch Quantity- Reorder Point-Safety Stock- Inventory Costs-Classification and Codification of Stock- ABC Classification-Materials Requirement Planning (MRP)- JIT- Implications of Supply Chain Management. Maintenance: Preventive Vs Breakdown Maintenance- Group Replacement Vs Individual Replacement- Breakdown Time Distribution- Maintenance of Cost Balance- Procedure for Maintenance. | | | | | | | 12 | | | C3 | | |
| IV | DESIGN OF WORK SYSTEMS AND QUALITY CONTROL: Work Study- Objectives- Procedure- Method Study and Motion Study- Work Measurement-Time Study-Performance Rating- Allowance Factors- Standard Time- Work Sampling Techniques- Job Sequencing and Scheduling. Quality Control: Purpose of Inspection and Quality Control- Different Types of Inspection- Acceptance Sampling- The Operating Characteristic Curve- Control Charts for Variables and Attributes; Quality Circles; TQM – Six Sigma, Kaizen | | | | | | | 14 | | | C4 | | |
| V | SERVICE OPERATIONS MANAGEMENT: Introduction to Services Management- Nature of Services- Types of Services- Service Encounter-Designing Service Organizations- Service Facility Location and Layout- Service Blueprinting-Waiting Line Analysis for Service Improvement- Service Processes and Service Delivery. | | | | | | | 10 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Understand the concepts of production and its design, capacity planning and make or buy decisions. | | | | | | | PO2, PO4 | | | | | |
| **CO2** | Be cognizant of the complexity involved in plant location decisions and utilization of plant layout. | | | | | | | PO2, PO7 | | | | | |
| **CO3** | Understand the Inventory models and the importance of maintenance techniques. | | | | | | | PO6, PO7 | | | | | |
| **CO4** | Be aware of work-study procedures and the importance on quality control tools | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO5** | Have insight on service operations, service delivery and waiting line analysis. | | | | | | | PO2, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | [www.shsu.edu/~mgt\_ves/mgt560/ServiceManagement.ppt](http://www.shsu.edu/~mgt_ves/mgt560/ServiceManagement.ppt) | | | | | | | | | | | | |
| 2. | zums.ac.ir/files/research/site/ebooks/strategy/operations-strategy.pdf | | | | | | | | | | | | |
| 3. | <https://www.emerald.com/insight/publication/issn/0144-3577> | | | | | | | | | | | | |
| 4. | <https://www.inderscience.com/jhome.php?jcode=ijaom> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Aswathappa K and Shridhara Bhat K, Production and Operations Management, 2nd Edition, Himalaya Publishing House, 2021. | | | | | | | | | | | | |
| 2. | Mahadevan B, Operations Management Theory and Practice, 3rd Edition, Pearson Education, 2015. | | | | | | | | | | | | |
| 3. | Russel and Taylor, Operations and Supply Chain Management, 8th Edition, Wiley, 2021. | | | | | | | | | | | | |
| 4. | William J Stevenson, Operations Management, 14th Edition, McGraw Hill, 2021. | | | | | | | | | | | | |
| 5. | Gerard Cachon and Christian Terwiesch, Operations Management, 3rd Edition, McGraw Hill, 2022. | | | | | | | | | | | | |
| 6. | Prof. K C Jain, Production and Operations Management, 1st Edition, Wiley, 2022. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  | 2 |  | 2 |  |  |  |  |
| **CO 2** |  | 2 |  |  |  |  | 2 |  |
| **CO 3** |  |  |  |  |  | 2 | 2 |  |
| **CO 4** | 2 | 2 |  |  |  | 2 | 2 |  |
| **CO 5** |  | 2 |  |  |  | 2 | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Financial Management** | Core | 3 | 1 | - | - | 4 | | 60 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To create an understanding and familiarize the students to the fundamentals of financial management and create awareness on the various sources of finance. | | | | | | | | | | | | |
| C2 | To create awareness on the various investment techniques on the investment decision making. | | | | | | | | | | | | |
| C3 | To throw light on the concept of cost of capital and familiarize on the technique of identifying the right source of capital. | | | | | | | | | | | | |
| C4 | To educate on the concept of capital structure and the create understanding on the concept of dividend. | | | | | | | | | | | | |
| C5 | To create an understanding on the concept of working capital, its need, importance, factors and forecasting technique | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction: Financial management: Definition and scope – objectives of Financial Management – Profit Maximization - wealth maximization - functions and role of finance manager. Sources of finance – short term – Bank Sources – Long term – Shares – Debentures – Preferred stock – Debt: Hire purchase, Leasing, Venture Capital – Private equity- International Financial Management- Financial Planning- Behavioural Finance- Capital Market- Money Market- Micro Finance- Financial Information System. | | | | | | | 12 | | | C1 | | |
| II | Investing Decision - Capital Budgeting Process – Techniques of Investment Appraisal: Pay Back Period; Accounting Rate of Return, Time Value of Money- DCF Techniques –Net Present Value, Profitability Index and Internal Rate of Return- Problems - Risk analysis in Capital Budgeting- Introduction to Fintech – Digital Currency - Cryptocurrency – Financial Modeling; Hurdle Rate. | | | | | | | 12 | | | C2 | | |
| III | Cost of Capital - Cost of specific sources of capital – Cost of equity capital – Cost of debt – Cost of preference – Cost of retained earnings - weighted average cost of capital. EBIT -EPS Analysis - Operating Leverage - Financial Leverage-problems. | | | | | | | 12 | | | C3 | | |
| IV | Capital structure - Factors influencing capital structure – optimal capital structure - capital structure theories – Net Income Approach – Net Operating Income (NOI) Approach – Modigliani - Miller(MM) Approach – Traditional Approach – Practical Problems. Dividend and Dividend policy: Meaning, classification - sources available for dividends -Dividend policy general, determinants of dividend policy. | | | | | | | 12 | | | C4 | | |
| V | Working Capital Management - Definition and Objectives - Working Capital Policies - Factors affecting Working Capital requirements - Forecasting Working Capital requirements (problems) - Cash Management - Receivables Management and - Inventory Management - Working Capital Financing - Sources of Working Capital and Implications of various Committee Reports- Financial Analytics. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Be aware of the basic concepts of financial management and understand the various sources of finance. | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Possess knowledge on investment decision making. | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO3** | Have insights on the cost of capital and would have familiarized themselves with the technique of calculating the cost of capital. | | | | | | | PO2, PO7 | | | | | |
| **CO4** | Have learnt the concept of capital structure and dividend | | | | | | | PO6, PO7 | | | | | |
| **CO5** | Have good understanding on the concept of working capital, its need, importance, factors and the methods of forecasting it. | | | | | | | PO1,PO2, PO4, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | https://accountingexplained.com/managerial/capital-budgeting/ | | | | | | | | | | | | |
| 2. | http://www.studyfinance.com/lessons/workcap/ | | | | | | | | | | | | |
| 3. | Journal of International Financial Management & Accounting | | | | | | | | | | | | |
| 4. | The Management Accountant Journal - icmai-rnj.in | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | S.N.Maheswari, Finanacial Management, Sulthan Chand & Sons, 15th Edition, 2019 | | | | | | | | | | | | |
| 2. | I.M. Pandey Financial Management, Vikas Publishing House Pvt. Ltd., 11th edition, 2018. | | | | | | | | | | | | |
| 3. | Van Horne, J.C., Financial Managememt and Policy, 13th Edition, Pearson, 2015. | | | | | | | | | | | | |
| 4. | Prasanna Chandra, Financial Management, 10th edition, Tata McGraw Hill, 2019 | | | | | | | | | | | | |
| 5. | Periasamy, P., Financial Management, 4th Edition, Tata McGraw-Hill Education Pvt. Ltd., 2017. | | | | | | | | | | | | |
| 6. | Brigham, E.F. and Ehrhardt, M.C., Financial Management: Theory and Practice, 14th Edition, 2015. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 2** | 2 | 3 |  |  |  | 2 | 2 |  |
| **CO 3** |  | 2 |  |  |  |  | 3 |  |
| **CO 4** |  |  |  |  |  | 2 | 3 |  |
| **CO 5** | 2 | 2 |  | 3 |  |  | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | **Inst. Hours** | | **Marks** | | | |
| **CIA** | **External** | **Total** | |
|  | **Strategic Management** | Core | 4 | - | - | - | 4 | 60 | | 25 | 75 | 100 | |
| **Course Objectives** | | | | | | | | | | | | |
| C1 | To enable the students understand the importance of vision and mission in framing corporate strategy. | | | | | | | | | | | |
| C2 | To provide insights on how business is responsible socially and ethically. | | | | | | | | | | | |
| C3 | To highlight on the environmental analysis framework. | | | | | | | | | | | |
| C4 | To throw light on strategic formulation and strategic choice. | | | | | | | | | | | |
| C5 | To understand strategic implementation and strategic control. | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | **No. of Hours** | | | **Course Objectives** | | | |
| I | Introduction: Strategy – Strategic Management Process – Developing a Strategic Vision –Mission- Setting Objectives– Strategies and Tactics – Importance of Corporate Strategy – the 7-S Framework- Corporate Governance– Board of Directors: Role and Functions – Board Functioning – Top Management: Role and Skills. | | | | | 12 | | | C1 | | | |
| II | Corporate Policy and Planning in India: Importance – Characteristics – Objectives - Policy Formulation and Development – Types of Business Policies-Implementation of Policies. Society and Business: Social Responsibility of Business –Corporate Governance and Ethical Responsibility. | | | | | 12 | | | C2 | | | |
| III | Environmental Analysis: Environmental Scanning – Industry Analysis - The Synthesis of External Factors - Internal Scanning – Value Chain Analysis – SWOT Audit –Scenario planning- Creating an Industry Matrix. | | | | | 12 | | | C3 | | | |
| IV | Strategy Formulation and Analysis: Strategy Formulation – Strategic Factors Analysis Summary Matrix (SFAS) Portfolio Analysis – Business Strategy- TOWS Matrix– Corporate Strategy – Functional Strategy – Strategic Choice – Generic, Competitive Strategies; ETOP, TOWS | | | | | 12 | | | C4 | | | |
| V | Strategy Implementation: Strategy Implementation - Corporate Culture – Matching Organisation Structure to Strategy – Mergers and Acquisitions and Diversifications – Strategic Leadership Strategic Control: Measurement in Performance- Problems in Measurement of Performance- Strategy Audit-Strategic Control Process – Du Pont’s Control Model – Balanced Score Card – Michael Porter’s Framework for Strategic Management – Future of Strategic Management – Strategic Information System. | | | | | 12 | | | C5 | | | |
|  | **Total** | | | | | **60** | | |  | | | |
| **Course Outcomes** | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | **Program Outcomes** | | | | | | |
| **CO1** | Be able to frame vision and mission statements. | | | | | PO3, PO4, PO7 | | | | | | |
| **CO2** | Be social and ethically responsible. | | | | | PO3, PO8 | | | | | | |
| **CO3** | Possess insights on making environmental analysis. | | | | | PO3, PO8 | | | | | | |
| **CO4** | Possess knowledge on learning strategic formulation & strategy choice. | | | | | PO2, PO5, PO7 | | | | | | |
| **CO5** | Understanding strategic implementation and control. | | | | | PO4, PO5, PO7 | | | | | | |
| **Reading List** | | | | | | | | | | | | |
| 1. | Strategic Management Journal – Wiley online Library | | | | | | | | | | | |
| 2. | Journal of strategy and Management – Emerald Insight | | | | | | | | | | | |
| 3. | Mastering Strategic Management – [www.opentextbooks.org.hk](http://www.opentextbooks.org.hk) | | | | | | | | | | | |
| 4. | Mastering Strategic Management – [www.saylor.org](http://www.saylor.org). | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | |
| 1. | V S P Rao, Strategic Management Text and Cases, 2nd edition 2013. | | | | | | | | | | | |
| 2. | Kazmi, A., Strategic Management and Business Policy, 15th Edition, Tata McGraw-Hill Education, 2018. | | | | | | | | | | | |
| 3. | Dess, G., Lumpkin, G.T. and Eisner, A., Strategic Management, 8th Edition, Tata McGraw-Hill, 2018. | | | | | | | | | | | |
| 4. | Hill, C.W.L. and Jones, G.R., Strategic Management: An Integrated Approach, 9th Edition, Cengage Learning, 2012. | | | | | | | | | | | |
| 5. | Pearce II, J., Robinson, R.B. and Mittal, A., Strategic Management: Formulation, Implementation and Control, 12th Edition, McGraw-Hill, 2017. | | | | | | | | | | | |
| 6. | Wheelen, T.L. and Hunger, D., Strategic Management and Business Policy, 13th Edition, Pearson, 2012. | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  | 3 | 2 |  |  | 3 |  |
| **CO 2** |  |  | 3 |  |  |  |  | 3 |
| **CO 3** |  |  | 2 |  |  |  |  | 3 |
| **CO 4** |  | 2 |  |  | 3 |  |  | 2 |
| **CO 5** |  |  |  | 3 | 3 |  |  | 3 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **International Business** | Extra Disciplinary | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To understand and analyze international situations and evaluate international collaborative arrangements and strategic alliances. | | | | | | | | | | | | |
| C2 | To apply knowledge of political, legal, economic and cultural country differences to develop competitive strategies in foreign, regional and global markets. | | | | | | | | | | | | |
| C3 | To throw light on international trade theories and the management of business functional operations in an international context. | | | | | | | | | | | | |
| C4 | To analyze and evaluate barriers, opportunities, market entry modes and the process of internationalization. | | | | | | | | | | | | |
| C5 | To know about regional economic integration and contemporary issues in international business. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction: Introduction to International Business: Importance, nature and scope of International business-International Business Vs. Domestic Business; Tariff and non-tariff barriers- transition from Domestic to International Business; Advantages and disadvantages of International business; Balance of Payments; Balance of Trade; Balance of Current Account . Modes of entry into International Business- Internationalization process and managerial implications- Multinational Corporations and their involvement in International Business- Issues in foreign investments, technology transfer, pricing and regulations- International collaborative arrangements and strategic alliances- Counter Trade; Import-Export Process and Documentation. | | | | | | | 9 | | | C1 | | |
| II | International Business Environment and Cultural Differences: International Business Environment: Economic, Political, Cultural and Legal environments in International Business. Framework for analyzing International Business environment. Differences in Culture: Introduction — Social Structure — Religion — Language — Education —Culture and the Workplace — Cultural Change — Cross-cultural Literacy — Culture and Competitive Advantage. | | | | | | | 9 | | | C2 | | |
| III | International Trade Theory: Introduction — Mercantilism, Neo-Mercantilism — Theory of Absolute Advantage — Theory of Comparative Advantage — Heckscher-Ohlin Theory — The New Trade Theory — National Competitive Advantage — Porter's Diamond —General Agreement on Tariff and Trade (GATT)- World Trade Organization (WTO)-GATS-UNCTAD- Trade Blocks; Customs Union-EU- PTA- European Free Trade Area (EFTA)-Central American Common Market(CACM)-Latin American Free Trade Association(LAFTA)- North American Free Trade Agreement(NAFTA)- Association of South East Asian Nations(ASEAN)- CARICOM- GSTP-GSP-SAPTA-Indian Ocean RIM Initiative- BIMSTEC- Bretton Woods Twins- World Bank & IMF, International Finance Corporation- Multilateral Investment Guarantee Agency (MIGA). | | | | | | | 9 | | | C3 | | |
| IV | Global Trading and Investment Environment: Recent Trends in India’s Foreign Trade- India’s Commercial Relations and Trade Agreements with other countries- Institutional Infrastructure for export promotion in India- Export Assistance- Export Finance- Export Processing Zones (EPZs) - Special Economic Zones (SEZs)- Exports by Air, Post and Sea- Small Scale Industries (SSI) and Exports- Role of ECGC- Role of EXIM Bank of India- Role of Commodity Boards- Role of State Trading Agencies in Foreign Trade- STC, MMTC, etc. Foreign Exchange Market- Functions of Foreign Exchange Market- Foreign Direct Investments (FDI); forms of FDI — Horizontal and Vertical Foreign Direct Investment — Advantages of FDI to Host and Home Countries. | | | | | | | 9 | | | C4 | | |
| V | Contemporary Issues: Contemporary Issues in International Business- International Sales Contract- Major Laws- INCO terms- Standard Clauses of International Sales Contract- Role of Indian Council of Arbitration / International Chamber of Commerce in solving Trade disputes. Export Regulations: Procedure for export of goods- Quality Control and Pre- shipment Inspection- Customs Clearance- Port formalities- Exchange regulations for Export- Role of Clearing and Forwarding Agents. | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Be aware of the international situations and evaluate international collaborative arrangements and strategic alliances. | | | | | | | PO2, PO4, PO7 | | | | | |
| **CO2** | Possessed knowledge of political, legal, economic and cultural country differences to develop competitive strategies in foreign, regional and global markets. | | | | | | | PO4, PO7 | | | | | |
| **CO3** | Know the various international trade theories and the management of business functional operations in an international context. | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO4** | Be able to evaluate barriers, opportunities, market entry modes and the process of internationalization. | | | | | | | PO2, PO4, PO7 | | | | | |
| **CO5** | Have better understanding on regional economic integration and contemporary issues in international business. | | | | | | | PO6, PO7, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | [www.internationalbusinesscorporation.com](http://www.internationalbusinesscorporation.com) | | | | | | | | | | | | |
| 2. | [www.business-ethics.org](http://www.business-ethics.org) | | | | | | | | | | | | |
| 3. | <https://www.jstor.org/journal/jintebusistud> | | | | | | | | | | | | |
| 4. | Journal of International Business and Management (JIBM) | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | International Business: Competing in the Global Marketplace (SIE) | 11th Edition – 14 August 2018 by [Charles W. L. Hill](https://www.amazon.in/Charles-W-L-Hill/e/B001IGNO5S/ref=dp_byline_cont_book_1)  (Author), [G. Tomas M. Hult](https://www.amazon.in/s/ref=dp_byline_sr_book_2?ie=UTF8&field-author=G.+Tomas+M.+Hult&search-alias=stripbooks) (Author), [Rohit Mehtani](https://www.amazon.in/s/ref=dp_byline_sr_book_3?ie=UTF8&field-author=Rohit+Mehtani&search-alias=stripbooks) (Author) | | | | | | | | | | | | |
| 2. | International Business | Fourth Edition | By Pearson – 30 November 2017 by [S. Tamer Cavusgil](https://www.amazon.in/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=S.+Tamer+Cavusgil&search-alias=stripbooks) (Author), [Gary Knight](https://www.amazon.in/s/ref=dp_byline_sr_book_2?ie=UTF8&field-author=Gary+Knight&search-alias=stripbooks) (Author), [John Riesenberger](https://www.amazon.in/s/ref=dp_byline_sr_book_3?ie=UTF8&field-author=John+Riesenberger&search-alias=stripbooks) (Author) | | | | | | | | | | | | |
| 3. | Cherunilam, F., International Business: Text and Cases, 5th Edition, PHI Learning, 2010. | | | | | | | | | | | | |
| 4. | Paul, J., International Business, 5th Edition, PHI Learning, 2010. | | | | | | | | | | | | |
| 5. | Deresky, H., International Management: Managing Across Borders and Cultures, 6th Edition, Pearson, 2011. | | | | | | | | | | | | |
| 6. | Griffin, R., International Business, 7th Edition, Pearson Education, 2012. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  | 2 |  | 3 |  |  | 2 |  |
| **CO 2** |  |  |  | M |  |  | 2 |  |
| **CO 3** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 4** |  | 3 |  | 3 |  |  | 3 |  |
| **CO 5** |  |  |  |  |  | 3 | 3 | 3 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Soft Skills II - Business Etiquette** | Soft Skills | - | - | 2 | - | 2 | | 30 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To analyze the Business etiquette at workplace | | | | | | | | | | | | |
| C2 | To determine the Principles of exceptional work behavior | | | | | | | | | | | | |
| C3 | To explore Tech etiquette in using various telecommunication devices and channels | | | | | | | | | | | | |
| C4 | To successfully handle Multi-cultural challenges | | | | | | | | | | | | |
| C5 | To ascertain sensitivity to new and emerging issues in etiquette | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction to business etiquette: The ABCs of etiquette Meeting and greeting scenarios-Developing a culture of excellence The principles of exceptional work behaviour - What is the role of Good Manners in Business?-Enduring Words  Greetings and Introductions: Guideline for receptionists - Making introductions and greeting people- Greeting Components- The protocol of shaking hands- Introductions - Introductory scenarios - Addressing individuals. | | | | | | | 6 | | | C1 | | |
| II | Meeting and Boardroom Protocol: Guidelines for planning a meeting - Before the meeting - On the day of the Meeting - Guidelines for Attending the meeting - For the Chairperson- For attendees - For Presenters - Planning a power point presentation-Dealing with customer complaints.  Entertaining Etiquette: Planning a meal- Issuing invitations -Business meals basics - Basics of table etiquette - Holding and resting utensils - Business dining etiquette - Multi-cultural Highlight: Japanese Dinning-Specific food Etiquette guidelines. | | | | | | | 6 | | | C2 | | |
| III | Telephone Etiquette: Cell phone etiquette-Social Media Usage etiquette- Telephone etiquette guidelines - Mastering the telephone courtesy - Active listening - Putting callers on hold -Transferring a call - Screening calls - Taking at message - Voice Mail-Closing the call - When Making calls - Closing the call-Handling rude or impatient clients  Internet & email etiquette: Internet usage in the workplace Email- Netiquette - Online chat - Online chat etiquette - Online chat etiquette guidelines | | | | | | | 6 | | | C3 | | |
| IV | Business Attire & Professionalism: Business style and professional image - Dress code - Guidelines for appropriate business attire - Grooming for  success - Guidelines for appropriate business attire - Grooming for success - Multicultural dressing  Diversity Management- Gender Sensitivity- Social Media and Communication with colleagues-Preventing sexual harassment-Disability Etiquette: Basic disability Etiquette practices - Courtesies for wheelchair users Courtesies for blind or visually impaired - Courtesies for the deaf- People with speech impairments. | | | | | | | 6 | | | C4 | | |
| V | Business Ethics: Ethics in the workplace - The challenge of business ethics - Creating an ethical compass - Business ethics and advantages - Ethical Issues - Conflict Management- Conflict resolution strategies - Choosing the appropriate gift in the business environment  Multi-cultural challenges: Multi-cultural etiquette - Example of cultural sensitivity - Cultural differences and their effect on business etiquette- onsite projects-Cultural Highlight: China-Cultural Highlight: India. | | | | | | | 6 | | | C5 | | |
|  | **Total** | | | | | | | **30** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Learn using business etiquette at work place | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Be able to acquire knowledge about the Principles of exceptional work behaviour | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO3** | Be able to enhance their knowledge of latest Tech etiquette in using various telecommunication devices and channels. | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO4** | Get familiarized with the Successful handling of Multi-cultural challenge | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO5** | Become sensitive to new and emerging issues in etiquette | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | https://accountingexplained.com/managerial/capital-budgeting/ | | | | | | | | | | | | |
| 2. | http://www.studyfinance.com/lessons/workcap/ | | | | | | | | | | | | |
| 3. | Journal of International Financial Management & Accounting | | | | | | | | | | | | |
| 4. | The Management Accountant Journal - icmai-rnj.in | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Gonda, C. M. (2016) Master of Business Etiquette: The Ultimate Guide to Corporate Etiquette and Soft Skills Embassy Books, First Edition. | | | | | | | | | | | | |
| 2. | Mehra, S. K. (2012) Business Etiquette A Guide For The Indian Professional. Noula: HarperCollins | | | | | | | | | | | | |
| 3. | Pachter, B. (2013). The Essentials of Business Etiquette: How to Greet, Eat, and Tweet Your Way to Success (1) edition New York: McGraw-Hill Education. | | | | | | | | | | | | |
| 4. | Past, K. (2008). Indian Business Etiquette: 1 (First edition). Ahmedabad Jaico Publishing House. | | | | | | | | | | | | |
| 5. | Travis, R. (2013). Tech Eliquette: OMG, 2 Edition, RLT Publishing. | | | | | | | | | | | | |
| 6. | Gonda, C. M. (2016) Master of Business Etiquette: The Ultimate Guide to Corporate Etiquette and Soft Skills Embassy Books, First Edition. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 2** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 3** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 4** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 5** |  |  |  | 2 |  | 2 | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Soft Skills III – Computing Skills** | Soft Skills | - | - | 2 | - | 2 | | 30 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To create awareness and understanding on the basic functions of MS Excel | | | | | | | | | | | | |
| C2 | To elucidate the students on the various advanced functions of MS Excel | | | | | | | | | | | | |
| C3 | To educate the students on MS Access and its application in database management | | | | | | | | | | | | |
| C4 | To enable the students to understand the functions and usage of various cloud based apps like Google Drive, Google Sheets and Google Docs | | | | | | | | | | | | |
| C5 | To enable the students learn the functions and usage of Cloud based apps like Google Forms, Google Slides and Google Cloud Printing. | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | MS Excel – Basic Functions - Workbook – Building – modifying - navigating; Worksheet – Auto fill copying and moving cells, inserting and deleting rows, printing; Formulas and functions-Troubleshooting formulas, Functions and its forms like database, reference, Databases – creating, sorting filtering and linking. | | | | | | | 6 | | | C1 | | |
| II | MS Excel Advanced Functions – Vlookup – Hlookup – Charts – Count - Countif – Sum - Sumif – Product – Sumproduct.  Functions: Mathematical - Financial - logic – Text - Statistical | | | | | | | 6 | | | C2 | | |
| III | MS Access – Components, creating a database and project, import and exporting, customizing; Tables – creating and setting fields; Queries – types, creating, wizards – Reports – creating and layout. | | | | | | | 6 | | | C3 | | |
| IV | Cloud based apps – Google Drive, Google Sheets, Google Docs, | | | | | | | 6 | | | C4 | | |
| V | Cloud based apps - Google Forms, Google Slides – Google Cloud Print | | | | | | | 6 | | | C5 | | |
|  | **Total** | | | | | | | **30** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Have awareness and understanding on the basic functions of MS Excel | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Know the advanced functions of MS Excel | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO3** | Possess knowledge on MS Access and its application in database management | | | | | | | PO2, PO4, PO6, PO7 | | | | | |
| **CO4** | Understand and possess knowledge on the functions and usage of various cloud based apps like Google Drive, Google Sheets and Google Docs | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO5** | Understand and be aware of the functions and usage of Cloud based apps like Google Forms, Google Slides and Google Cloud Printing. | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | Humphrey M.L., Excel For Beginners, Kindle Edition, 2017 | | | | | | | | | | | | |
| 2. | Richard Rost, Learning MS Access Kindle Edition, 2013 | | | | | | | | | | | | |
| 3. | Sachin Srivastava, Google Cloud Platform, Kindle Edition, 2021 | | | | | | | | | | | | |
| 4. | Valarie Lestourgeon, A Beginner’s Guide to GCP, Kindle Edition, 2021 | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Gonda, C. M. (2016) Master of Business Etiquette: The Ultimate Guide to Corporate Etiquette and Soft Skills Embassy Books, First Edition. | | | | | | | | | | | | |
| 2. | Mehra, S. K. (2012) Business Etiquette A Guide For The Indian Professional. Noula: HarperCollins | | | | | | | | | | | | |
| 3. | Pachter, B. (2013). The Essentials of Business Etiquette: How to Greet, Eat, and Tweet Your Way to Success (1) edition New York: McGraw-Hill Education. | | | | | | | | | | | | |
| 4. | Past, K. (2008). Indian Business Etiquette: 1 (First edition). Ahmedabad Jaico Publishing House. | | | | | | | | | | | | |
| 5. | Travis, R. (2013). Tech Eliquette: OMG, 2 Edition, RLT Publishing. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 2** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 3** |  | 3 |  | 3 | 3 | 3 | 3 |  |
| **CO 4** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 5** |  |  |  | 3 |  | 3 | 3 |  |

**3-Strong 2-Medium 1-Low**

**SEMESTER III**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Information Systems for Business** | Core | 4 | - | - | - | 4 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To enable students to understand the fundamentals of information system and its role of information in managerial decision making | | | | | | | | | | | | |
| C2 | To throw light on fundamentals of information systems like TPS, DSS, and EIS. | | | | | | | | | | | | |
| C3 | To manage system applications and data to best support functional areas of business | | | | | | | | | | | | |
| C4 | To provide insights in securely managing database and information using the process of | | | | | | | | | | | | |
| C5 | To elucidate the need and importance of ERP, its selection and implementation in workplace | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction to information system**-**The management, structure and activities- Information needs and sources-Types of management decisions and information need. System classification Elements of system, input, output, process and feedback. | | | | | | | 12 | | | C1 | | |
| II | Transaction Processing information system, Office Automation System (OAS) - Knowledge workers System(KWS); MIS; Information system for managers, Intelligence information system –Decision support system-Executive information systems. | | | | | | | 12 | | | C2 | | |
| III | Functional Management Information System: Production / Operations Information system, Marketing Information Systems, Accounting Information system, Financial Information system, Human resource Information system. | | | | | | | 12 | | | C3 | | |
| IV | System Analysis and Design: The work of a system analyst- SDLC-System design – AGILE Model – Waterfall Model – Spiral Model – Iterative and Incremental Model - RAD Model - Requirement analysis-Data flow diagram, relationship diagram, design- Implementation-Evaluation and maintenance of MIS, Database System: Overview of Database- Components-advantages and disadvantages of database; Data Warehousing and Data Mining; Business Intelligence; Artificial Intelligence; Expert System; Big Data; Cyber Safety and Security- Cryptography; RSA Model of Encryption; Data Science - Block Chain Technology; E-commerce and E-Business models; IOT - RFID. | | | | | | | 12 | | | C4 | | |
| V | Enterprise Resource Planning (ERP) System, Benefits of the ERP, ERP how different from conventional packages , Need for ERP , ERP components , Selection of ERP Package, ERP implementation, Customer Relationship management. Organisation & Types, Decision Making, Data & information, Characteristics & Classification of information, Cost & value of information, various channels of information and MIS; Information system audit and control – E-Governance. | | | | | | | 12 | | | C5 | | |
|  | **Total** | | | | | | | **60** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Learn the importance of data and information in managerial decision making. | | | | | | | PO1, PO2, PO6 | | | | | |
| **CO2** | Possess on the various IS and the its relevance to Organizational environment | | | | | | | PO3, PO5, PO8, | | | | | |
| **CO3** | Understand the application of IS on the various functions like Accounting, Finance, Marketing, Operations and HR | | | | | | | PO1, PO3, PO5, PO8 | | | | | |
| **CO4** | To study the various models and new technologies | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO5** | Be exposed on the importance of selecting the appropriate ERP and its implementation | | | | | | | PO1, PO2, PO5, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | Information Systems for Business and Beyond – opentextbooks.site. | | | | | | | | | | | | |
| 2. | Management Information Systems: Managing the Digital firm – www.textbooks.com | | | | | | | | | | | | |
| 3. | Information systems Journal – Wiley Online Library. | | | | | | | | | | | | |
| 4. | Information Systems management in Business and development organisations – Harekrishna Misra – PHI Learning. | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Azam, M., Management Information System, McGrawHill Education, 2012 | | | | | | | | | | | | |
| 2. | Laudon, K., Laudon, J. and Dass, R., Management Information Systems – Managing the Digital Firm, 11th Edition, Pearson, 2010. | | | | | | | | | | | | |
| 3. | Murdick, R.G., Ross, J.E. and Claggett, J.R., Information Systems for Modern Management, 3rd Edition, PHI, 2011. | | | | | | | | | | | | |
| 4. | O’Brien, J.A., Morakas, G.M. and Behl, R., Management Information Systems, 9th Edition, Tata McGraw-Hill Education, 2009. | | | | | | | | | | | | |
| 5. | Saunders, C.S. and Pearson, K.E., Managing and Using Information Systems, 3rd Edition, Wiley India Pvt. Ltd., 2009. | | | | | | | | | | | | |
| 6. | Stair, R. and Reynolds, G., Information Systems, 10th Edition, Cengage Learning,2012. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** | 3 | 2 |  |  |  | 3 |  |  |
| **CO 2** |  |  | 3 |  | 3 |  |  | 3 |
| **CO 3** | 2 |  | 3 |  | 2 |  |  | 3 |
| **CO 4** | 3 | 3 |  |  |  | 2 | 3 |  |
| **CO 5** | 3 | 2 |  |  | 2 |  |  | 3 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **EMPLOYABILITY SKILLS** | Extra Disciplinary | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To learn about the employability skills | | | | | | | | | | | | |
| C2 | To understand dimensions of task oriented skills | | | | | | | | | | | | |
| C3 | To study on critical problem-solving techniques | | | | | | | | | | | | |
| C4 | To develop employability skills | | | | | | | | | | | | |
| C5 | To understand the logical and reasoning skills | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **INTRODUCTION TO EMPLOYABILITY SKILLS**  Meaning – Definition – Hard skills and soft  skills –Employability skills and vocational skills – Employability and employment –  Employability attributes. | | | | | | | 9 | | | C1 | | |
| II | **UNPACKING EMPLOYABILITY SKILLS**  Embedded employability skills – Dimensions of  competency – Task skills –Task Management skills – Contingency Management skills –  Job/Role Environment skills. | | | | | | | 9 | | | C2 | | |
| III | **INTER – RELATIONSHIPS OF EMPLOYABILITY SKILLS**  Communication – Team work –  Problem solving – Initiative and Enterprise – Planning and Organizing – Self management –  Learning – Technology. | | | | | | | 9 | | | C3 | | |
| IV | **RESUME WRITING**  Meaning – Features of good resume – Model (Exercise). Etiquettes – Dress, Cleanliness, Etiquettes to be followed inside the employment seeking process. | | | | | | | 9 | | | C4 | | |
| V | **Arithmetic and Logical Reasoning Skills – Exercise.** | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | | | | | | |
| **CO1** | Acquire employability skills | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | understand dimensions of task oriented skills | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO3** | study on critical problem-solving techniques | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO4** | develop employability skills | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO5** | understand the logical and reasoning skills | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <https://www.jobjumpstart.gov.au/article/what-are-employability-skills> | | | | | | | | | | | | |
| 2. | <https://www.simplilearn.com/why-are-employability-skills-important-article> | | | | | | | | | | | | |
| 3. | <https://blog.hubspot.com/marketing/employability-skills> | | | | | | | | | | | | |
| 4. | <https://www.indeed.com/career-advice/finding-a-job/employability-skills> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Soft Skills, Dr. K. Alex | | | | | | | | | | | | |
| 2. | Winning Interview Skills, Complied & Edited by J.K. Chopra. | | | | | | | | | | | | |
| 3. | A Modern Approach to Verbal and Non- Verbal Reasoning, R. S. Aggarwal. | | | | | | | | | | | | |
| 4. | Fafinski, S., Finch, E. (2014). Employability Skills for Law Students. United Kingdom: OUP Oxford. | | | | | | | | | | | | |
| 5. | Trought, F. (2017). Brilliant Employability Skills: How to Stand Out from the Crowd in the Graduate Job Market. United Kingdom: Pearson Education Limited. | | | | | | | | | | | | |
| 6. | Chaita, M. V. (2016). Developing Graduate Employability Skills: Your Pathway to Employment. United States: Universal Publishers. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  | 3 |  |  |
| **CO 2** |  |  |  | 3 |  | 3 |  |  |
| **CO 3** |  | 2 |  | 3 |  | 3 |  |  |
| **CO 4** |  |  |  | 3 | 2 | 3 | 1 |  |
| **CO 5** |  |  |  | 3 |  | 3 |  |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **Soft Skills IV – Leadership & Team Building Skills** | Soft Skills | - | - | 2 | - | 2 | | 30 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To understand the characteristics, style, traits of leaders, and theories of leadership. | | | | | | | | | | | | |
| C2 | To learn more about self-leadership and developing team-building skills through case studies and examples. | | | | | | | | | | | | |
| C3 | To understand how to form, manage and lead the team. | | | | | | | | | | | | |
| C4 | To understand the measures of conflict in a team | | | | | | | | | | | | |
| C5 | To explore team roles & processes in developing and managing a team | | | | | | | | | | | | |
| **SYLLABUS** | | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **Leadership Theories:** Nature of leadership theories & models of leadership - attributes of effective leaders - traits of leadership - interpersonal competence & leadership | | | | | | | 6 | | | C1 | | |
| II | **Leadership Styles:** Leadership qualities -styles of leadership -attitudes-role models & new leadership - cultural differences and diversity in leadership - leader behaviour leadership in different countries- leadership ethics & social responsibility. | | | | | | | 6 | | | C2 | | |
| III | **Leadership Skills:** Leadership skills - Leadership & management - transactional & transformational in leadership -Strength based leadership in practice - Tasks & Relationship approach in leadership - influence tactics of leaders- motivation and coaching skills. Establishing constructive climate- listening to out group members- communication and conflict resolution skills. | | | | | | | 6 | | | C3 | | |
| IV | **Team Work:** Working in group & teams - characteristics of effective team- types- team development: Tuckman's team development stages- Belbin team roles - Ginnett - team effectiveness leadership model. | | | | | | | 6 | | | C4 | | |
| V | **Exploring team roles & processes:** mapping the stages of group development -Building: and developing teams-overcoming resistance coping and conflict and Ego-leading a team managing meetings. | | | | | | | 6 | | | C5 | | |
|  | **Total** | | | | | | | **30** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Critical understanding of theories and concepts of leadership and teamwork in organizations | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO2** | Critical awareness of the importance of teamwork and development of the skills for building effective teams | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO3** | Understanding of the techniques and practical understanding of how to apply theories and concepts to improve leadership skills. | | | | | | | PO2, PO4, PO5, PO6, PO7 | | | | | |
| **CO4** | Development of skills in effective leadership and professional communication | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO5** | Demonstrate effective written communication skills for plans, strategies and outcomes. | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | Uday Kumar Haldar, Leadership and Team Building, | | | | | | | | | | | | |
| 2. | D.K. Tripathy, Team Building and Leadership with Texts and Cases, Himalaya Publishing House, 2014 | | | | | | | | | | | | |
| 3. | International Journal on Leadership, Publishing India Group | | | | | | | | | | | | |
| 4. | International Journal of Organizational Leadership, CIKD | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Gonda, C. M. (2016) Master of Business Etiquette: The Ultimate Guide to Corporate Etiquette and Soft Skills Embassy Books, First Edition. | | | | | | | | | | | | |
| 2. | Mehra, S. K. (2012) Business Etiquette A Guide For The Indian Professional. Noula: HarperCollins | | | | | | | | | | | | |
| 3. | Pachter, B. (2013). The Essentials of Business Etiquette: How to Greet, Eat, and Tweet Your Way to Success (1) edition New York: McGraw-Hill Education. | | | | | | | | | | | | |
| 4. | Past, K. (2008). Indian Business Etiquette: 1 (First edition). Ahmedabad Jaico Publishing House. | | | | | | | | | | | | |
| 5. | Travis, R. (2013). Tech Eliquette: OMG, 2 Edition, RLT Publishing. | | | | | | | | | | | | |
| 6. | Gonda, C. M. (2016) Master of Business Etiquette: The Ultimate Guide to Corporate Etiquette and Soft Skills Embassy Books, First Edition. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 2** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 3** |  | 3 |  | 3 | 3 | 3 | 3 |  |
| **CO 4** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 5** |  |  |  | 3 |  | 3 | 3 |  |

**3-Strong 2-Medium 1-Low**

**SPECIALIZATION COURSES: AIRPORT AND AIRLINE MANAGEMENT**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AVIATION LEGAL ENVIRONMENT** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To gain knowledge of Aviation Legal Environment | | | | | | | | | | | | |
| C2 | To understand the legal system related to Aviation | | | | | | | | | | | | |
| C3 | To understand the laws and regulations related to Aviation | | | | | | | | | | | | |
| C4 | To gain knowledge on the civil aviation requirements | | | | | | | | | | | | |
| C5 | To understand the international conventions related to aviation | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | DGCA-Introduction to Directorate General of Civil Aviation-DGCA functions-DGCA Organization-DGCA as Regulatory Authority | | | | | | | 9 | | | C1 | | |
| II | REGULATIONS-Aircraft Act 1934- The Aircraft Rules 1937 | | | | | | | 9 | | | C2 | | |
| III | NATIONAL LEGISLATION – The Air corporations Act, 1953 (27 of 1953)   * The Air Corporations (Transfer of Undertakings and Repeal) Ordinance, 1994(4 of 1994) * The Air Corporations (Transfer of Undertakings and Repeal) Act, 1994 (13 of 1994) * The International Airports Authority of India act, 1971 (43 of 1971) * The National Airports Authority of India, 1985 (64 of 1985) * The Airports Authority of India Act 1994 (55 of 1994) * The Carriage by Air Act, 1972 (69 of 1972) * The Tokyo Convention Act, 1975 (20 of 1975) * The Anti-hijacking Act, 1982 (65 of 1975) * The suppression of unlawful acts against safety of Civil Aviation Act, 1982 (66 of 1982) | | | | | | | 9 | | | C3 | | |
| IV | CIVIL AVIATIONREQUIREMENTS (CAR)   * Section 1-General * Section 2-Airworthiness * Section 3-Air Transport * Section 4-Aerodrome standards and Air Traffic Services * Section 5-Air Safety * Section 6-Design standards and type certification * Section7-Flight crew standards, training and licensing * Section 8-Aircraft operations | | | | | | | 9 | | | C4 | | |
| V | INTERNATIONAL CONVENTIONS: The Chicago conventions, 1944   * The International Air Services Transit Agreement, 1944 * The International Air Transport Agreement, 1944 * The Warsaw Conventions, 1920 * The Geneva Convention, 1948 * The Rome Convention, 1952 * The Tokyo Convention, 1963 | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of course students will | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Have a knowledge of Aviation Legal Environment and understanding of the legal system related to Aviation | | | | | | | PO4, PO6 | | | | | |
| **CO2** | Understanding of the laws and regulations related to Aviation | | | | | | | PO6 | | | | | |
| **CO3** | Knowledge on the civil aviation requirements | | | | | | | PO5, PO6, PO7 | | | | | |
| **CO4** | Understanding of the international conventions related to aviation | | | | | | | PO6, PO7 | | | | | |
| **CO5** | Gain knowledge of Aviation Legal Environment | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | Aircraft Manual, C.A.R.Sec.II | | | | | | | | | | | | |
| 2. | <http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/S001827/P001871/M031349/ET/15278285773.20Q1.pdf> | | | | | | | | | | | | |
| 3. | https://indiankanoon.org/doc/979883/ | | | | | | | | | | | | |
| 4. | <https://www.icao.int/publications/pages/doc7300.aspx> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Ron Bartsch, “International Aviation Law”, [Taylor and Francis](https://www.bookswagon.com/publisher/taylor-and-francis), 2020 | | | | | | | | | | | | |
| 2. | “A Guide to India’s Aviation Law”, Thomson Reuters South Asia Private Limited, 2019 | | | | | | | | | | | | |
| 3. | “The Principles and Practice of International Aviation Law”., Gabriel S. Sanchez, Brian F. Havel., Cambridge University Press | | | | | | | | | | | | |
| 4. | International Environmental Law., Pierre-Marie Dupuy, Jorge E. Viñuales., 2nd edition., Cambridge University Press | | | | | | | | | | | | |
| 5. | International Aviation Law, A Practical Guide., Ronald I. C. Bartsch., Taylor & Francis., ebook format | | | | | | | | | | | | |
| 6 | Biodiversity and International Law, The Effectiveness of International Environmental Law., A. S. Bilderbeek, Ankie Wijgerde, Netty van Schaik, Simone Bilderbeek., IOS Press | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  | 2 |  |  |
| **CO 2** |  |  |  |  |  | 2 |  |  |
| **CO 3** |  |  |  |  | 3 | 3 | 2 |  |
| **CO 4** |  |  |  |  |  | 2 | 2 |  |
| **CO 5** |  |  |  | 3 |  | 2 | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AVIATION RESOURCE MANAGEMENT** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To develop an understanding of crew resources management | | | | | | | | | | | | |
| C2 | To gain knowledge of aircraft cabin | | | | | | | | | | | | |
| C3 | To manage fatigue and stress in air activity | | | | | | | | | | | | |
| C4 | To understand the training and recruitment process of airline pilot and crew | | | | | | | | | | | | |
| C5 | To gain knowledge on aviation information and management | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | CREW RESOURCES MANAGEMENT:  The role of crew resources management – The trouble with culture – Creating and implementing human factors’ safety culture – human assessment – traditional flight crew and CRM training in general aviation – crew concepts in the air ambulance services. | | | | | | | 9 | | | C1 | | |
| II | THE AIRCRAFT CABIN:Safety issues in capital – cabin crew communication – service, teamwork and flight safety – flight attendants’ job performances and job satisfaction. | | | | | | | 9 | | | C2 | | |
| III | FATIGUE AND STRESS:  Fatigue management in aviation – Fatigue in air activity – Stress management – the physiological factor | | | | | | | 9 | | | C3 | | |
| IV | SELECTION AND TRAINING:  Job requirements of Airline Pilots – Pilot selection process – Personality test for traffic controllers – training of pilots and crew members – the link between human factors and organizational learning. | | | | | | | 9 | | | C4 | | |
| V | AVIATION INFORMATION AND MANAGEMENT:  Structure of aviation operational information, management of aviation operational information – User innovation in Aviation operational information – Future of Aviation operational information | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Develop understanding of crew resources management | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Gain knowledge of aircraft cabin | | | | | | | PO4, PO6 | | | | | |
| **CO3** | Manage fatigue and stress in air activity | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO4** | Understand the training and recruitment process of airline pilot and crew | | | | | | | PO3, PO4, PO6, PO7 | | | | | |
| **CO5** | Gain knowledge on aviation information and management | | | | | | | PO6, PO8 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | https://www.youtube.com/watch?v=c-8rLmxAyH0 | | | | | | | | | | | | |
| 2. | https://www.researchgate.net/publication/338636641\_SELECTION\_PROCESS\_AS\_A\_KEY\_HUMAN\_ASPECT\_IN\_AIR\_TRAFFIC\_CONTROL | | | | | | | | | | | | |
| 3. | https://www.icao.int/Meetings/FutureOfAviation/Pages/default.aspx | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Brain Mc Allister, Crew Resource Management ,Air life | | | | | | | | | | | | |
| 2. | Jensen,Pilot Judgement & Crew Resource Management ,N A | | | | | | | | | | | | |
| 3. | ThomasLSeamster,Aviation Information Management – From Documents Data, Ashgate | | | | | | | | | | | | |
| 4. | ThomasL Seamster & Barbara G Kanki ,Aviation Information Management, Ashgatem | | | | | | | | | | | | |
| 5. | Eduardo Sales, Katherine A Wison ,Crew Resource Management, Ashgate. | | | | | | | | | | | | |
| 6. | Frank H Hawkins, Human Factors in Flight Ashgate | | | | | | | | | | | | |
| 7. | Mary Edwards& Elwyn Edwards, The Aircraft Cabin –Managing Human Factors , Ashgate | | | | | | | | | | | | |
| 8. | Harry W Orlady & Linda M Orlady, Human Factors in Multi Crew Flight Operation Ashgate | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 2** |  |  |  | 3 |  | 3 |  |  |
| **CO 3** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 4** |  |  | 2 | 2 |  | 2 | 2 |  |
| **CO 5** |  |  |  |  |  | 2 |  | 2 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **STRATEGIC AIRPORT PLANNING AND MARKETING** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To understand the airport operations | | | | | | | | | | | | |
| C2 | To provide an insight into airport characteristics | | | | | | | | | | | | |
| C3 | To learn airport planning and survey, planning and designing of terminal areas, traffic control and aids | | | | | | | | | | | | |
| C4 | To learn in detail about role and scope of activity of the Airport Enterprise | | | | | | | | | | | | |
| C5 | To learn about non-aviation and airport marketing plan | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Introduction – Growth of air transport, Airport organization and associations, Classification of airports airfield components, Air traffic Zones and approach areas. Context of Airport system planning – Development of Airport Planning process – Ultimate consumers – Airline decision – Other Airport operations. | | | | | | | 9 | | | C1 | | |
| II | AIRPORT CHARACTERISTICS RELATED TO AIRPORT DESIGN -Components Size, turning radius, speed, airport characteristics. CAPACITY AND DELAY: Factors affecting capacity, determination of runway capacity related to delay, gate capacity, and taxiway capacity. | | | | | | | 7 | | | C2 | | |
| III | AIRPORT PLANNING AND SURVEYS: Runway length and width, sight distances, longitudinal and transverse, runway intersections, taxiways, clearances, aprons, numbering, holding apron. PLANNING AND DESIGN OF THE TERMINAL AREA: Operational concepts, space relationships and area requirements, noise control, vehicular traffic and parking at airports. AIR TRAFFIC CONTROL AND AIDS: Runways and taxiways markings, day & night landing aids, airport lighting and other associated aids. | | | | | | | 8 | | | C3 | | |
| IV | The role and scope of activity of the Airport Enterprise – The economic impact on countries and regions – the main governance patterns in the airport business – The International path of evolution in the airport business – Airport transport value chain – Air enterprises – two primary actors in the air transport value chain – Skipping peripheral positions in the value chain. Rise of airport marketing for the aviation related business – airports market positioning – primary hub – secondary hub – regional airport – all cargo airport – airport positioning criteria – role on the market – identification of partners for airport development – first quantum leap of the airport enterprises – low cost airports – role of helicopters as a complimentary feeder and defender of hub airports – Airport revenue management – Airport alliances – management contract. | | | | | | | 12 | | | C4 | | |
| V | The Development of the Non Aviation – Related value Proposition. Evolution of traditional Air port – Evolutionary patterns for airport enterprises – Commercial Airport Philosophy – tourist and conference service – logistic services – property management – consulting services – BAA and the non aviation business – best airport in the world: The case of Singapore Airport – Role and meaning of loyalty for a service company – Bench marking airline experience – Provider – Customer relational link – benefits from ALPS implementation of ALPS  Airport marketing Planning – London city Airport: A best – in – class provider in the Airport business – The Airport industry and An International Picture - Air port business in 2002- US & European performance in 2002 – Asia pacific performance in 2002 – Middle east/Africa in 2002 – Airport business in 2003 – 2005 outlook for the Air transport industry. | | | | | | | 10 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Understand the airport operations | | | | | | | PO2, PO4 | | | | | |
| **CO2** | Provide an insight into airport characteristics | | | | | | | PO2, PO7 | | | | | |
| **CO3** | Learn airport planning and survey, planning and designing of terminal areas, traffic control and aids | | | | | | | PO6, PO7 | | | | | |
| **CO4** | Learn in detail about role and scope of activity of the Airport Enterprise | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO5** | Learn about non-aviation and airport marketing plan | | | | | | | PO2, PO6, PO7 | | | | | |
| **Reading Materials** | | | | | | | | | | | | | |
|  | https://www.aai.aero/en/content/airport-policy | | | | | | | | | | | | |
| 2. | https://onlinepubs.trb.org/Onlinepubs/trcircular/247/247-003.pdf | | | | | | | | | | | | |
| 3. | https://civilsolution1.webs.com/airport%20planning%20and%20design.pdf | | | | | | | | | | | | |
| 4. | https://hbs.ac.in/hbs-life/course/strategic-airport-infrastructure-management/ | | | | | | | | | | | | |
| 5. | <https://www.icao.int/meetings/wrdss2011/documents/jointworkshop2005/atag_socialbenefitsairtransport.pdf> | | | | | | | | | | | | |
| **Text Books** | | | | | | | | | | | | | |
| 1. | Strategic Airport Planning –Robert E.Caves & Geoffrey D.Gosling-Elsevier Science Ltd | | | | | | | | | | | | |
| 2. | Airport Marketing –David Jarach –Ashgate Publishing Limited | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Aviation Safety Programs A Management Hand Book-Richard H.Wood – | | | | | | | | | | | | |
| 2. | Jeppesen Sanderson Inc. | | | | | | | | | | | | |
| 3. | Strategic Management –Gregory G.Dess and Alex Miller –McGraw Hill | | | | | | | | | | | | |
| 4. | Strategic Management: An Integrative Perspective-A.C.Hax and NS-Majifu, Prentice Hall. | | | | | | | | | | | | |
| 5. | Marketing Management –Philip Kotler – Pearson Education/PHI | | | | | | | | | | | | |
| 6. | Marketing Management – RAJAN SAXENA –Tata McGraw Hill | | | | | | | | | | | | |
| 7 | International Marketing – Philip R.Cateora-Irwin McGraw Hill, 9th Edition. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  | 2 |  | 2 |  |  |  |  |
| **CO 2** |  | 2 |  |  |  |  | 2 |  |
| **CO 3** |  | 2 |  |  |  | 2 | 2 |  |
| **CO 4** | 2 | 2 |  |  |  | 2 | 2 |  |
| **CO 5** |  | 2 |  |  |  | 2 | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AIRLINE AND AIRPORT OPERATIONS** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To learn about the history of aviation and current challenges in airline industry | | | | | | | | | | | | |
| C2 | To learn airport management | | | | | | | | | | | | |
| C3 | To understand air transport services | | | | | | | | | | | | |
| C4 | To gain knowledge airline operations | | | | | | | | | | | | |
| C5 | To learn logistics and air cargo management | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **INTRODUCTION**  History of Aviation- Development of Air transportation in India-Major players in Airline Industry-SWOT analysis in Airline Industry-Market potential of Indian Airline Industry—Current challenges in Airline Industry-Completion in Airline Industry-IATA & ICAO | | | | | | | 9 | | | C1 | | |
| II | **AIRPORT MANAGEMENT**  Airport planning-Operational area and Terminal planning, design, and operation-Airport operations-Airport functions-Organization structure of Airline and Airports sectors-Airport authorities-Global and Indian scenario of Airport management – DGCA –AAI. | | | | | | | 9 | | | C2 | | |
| III | **AIRTRANSPORT SERVICES**  International trends-Emerging Indian scenario-PPP- Public Private Participation in Indian Airports-Environmental regulations-Private participation in International developments-Environment regulations-Regulatory issues-Meteorological services for Aviation-Airport fees, rates, and charges | | | | | | | 9 | | | C3 | | |
| IV | **AIRLINE OPERATIONS**  Airline Terminal Management-Flight Information Counter/Reservation and Ticketing-Check In/Issue of Boarding pass-Customs and Imigration formalites-Co-ordination-Security Clearance-Baggage and -Handling of Unaccompanied minors and Disabled Passengers-Handling of Stretcher Passengers and Human Remains-Handling of CIP,VIP & VVIP-Co-ordination of Supporting Agencies /Departments. | | | | | | | 9 | | | C4 | | |
| V | **LOGISTICS AND AIR CARGO MANAGEMENT**  Concept of Logistics- Role of Ware Housing-trend in material handling-Global Supply Chain-Quality concept and Total Quality Management-improving Logistic performance-Air Cargo Concept- Cargo Handling-Booking of Perishable Cargo and Live Animals- Industry Relation-Type of Air Cargo-Air Cargo Tariff, ratios and Charges-Airway Bill, Function, Purpose, Validation. | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Learn about the history of aviation and current challenges in airline industry | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Learn airport management | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO3** | Understand air transport services | | | | | | | PO2, PO7 | | | | | |
| **CO4** | Gain knowledge on airline operations | | | | | | | PO6, PO7 | | | | | |
| **CO5** | Learn about logistics and air cargo management | | | | | | | PO1,PO2, PO4, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | https://www.civilaviation.gov.in/en/aboutus/orgsetup | | | | | | | | | | | | |
| 2. | https://cdn.cseindia.org/userfiles/aviation\_paper.pdf | | | | | | | | | | | | |
| 3. | https://www.civilaviation.gov.in/sites/default/files/moca\_001669.pdf | | | | | | | | | | | | |
| 4. | http://sim.edu.in/wp-content/uploads/2017/10/Logistics-management-air-and-sea-1.pdf | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Graham.A-Managing Airport an International Perspective –Butterworth Heinemann, Oxford-2001 | | | | | | | | | | | | |
| 2. | Wells.A-Airport Planning and Management, 4th Edition-McGraw-hill, London-2000. | | | | | | | | | | | | |
| 3. | Doganis.R.-The Airport Business-Routledge, London-1992 | | | | | | | | | | | | |
| 4. | Alexander T.Well, Seth Young –Principles of Airport Management-McGraw Hill 2003 | | | | | | | | | | | | |
| 5. | P.S.Senguttuvan –Fundamentals of Airport Transport Management – McGraw Hill 2003 | | | | | | | | | | | | |
| 6. | P.S.Senguttuvan –Principles of Airport Economics-Excel Books-2007 | | | | | | | | | | | | |
| 7. | Richard De Neufville – Airport Systems: Planning, Design, and Management.-McGraw-Hill, London- 2007 | | | | | | | | | | | | |
| 8. | Kent Gouiden- Global Logistics Management –Wiley Black Well | | | | | | | | | | | | |
| 9. | Lambert –Strategic Logistic Management – Academic Intl Publishers | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 2 |  | 2 | 2 |  |
| **CO 2** | 2 | 3 |  |  |  | 2 | 2 |  |
| **CO 3** |  | 2 |  |  |  |  | 3 |  |
| **CO 4** |  |  |  |  |  | 2 | 3 |  |
| **CO 5** | 2 | 2 |  | 3 |  |  | 2 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AVIATION SAFETY AND SECURITY** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To enable students to understand the fundamentals of national security pertaining to Aviation | | | | | | | | | | | | |
| C2 | To throw light on terrorism and hijacking | | | | | | | | | | | | |
| C3 | To understand screening related to aviation | | | | | | | | | | | | |
| C4 | To provide insights into various security measures adopted by aviation sector | | | | | | | | | | | | |
| C5 | To understand technology related to aviation | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | A National security asset: importance of Air transportation – Airways – Development of the Aviation industry – Deregulation – Consequences of 9/11 to the industry – Emergency Funding – Protecting Public Air transportation. Hijacking – Security Measures – International Prospective – Trend begins – Aviation regulations – Airport security – New Carrier rules – New Airport Operator rules – Resistance Fades – Public Law 93 – 366 – threat warnings – Presidents Commission – Aviation Security Improvement Act of 1990 – Civil Aviation Security – research and Development – Lot of Talk: Crimes against Humanity – Convention – Tokyo – Hijacking , Montreal- Bonn Agreement – Diplomatic Conference on Air Law – Ministerial Conference on Terrorism – Financing of Terrorism – United Nations – ICAO/ECAC | | | | | | | 9 | | | C1 | | |
| II | Aircraft as Missiles: Early Hijackings – Terrorist Hijackings Spread – Initial Public response – Cockpit Doors – Profile of a Hijacker – Sky Marshal Program/Federal Air Marshal Program – History of Significant Air hijackings since 1972.The Roots remain: Introduction – Causes of Terrorism – Middle East – Rival Claims – Palestinian Liberation Organization – Abu Nidal – Hamas – Iranian Support of Terrorism – Hezbollah – Afghanistan: Osama Bin Laden – Europe – Japan – Peru – Russia – US – Domestic Terrorism – Nuclear Terrorism. The Best Defense: Introduction – Counter terrorist Units – Enforcement – central, Defense Intelligence Agency. | | | | | | | 9 | | | C2 | | |
| III | Screening: The last line of Defense – Introduction – Facilities – Screening check Point Augmentation – Law enforcement Officers at the gate – Flexible Law enforcement response Program – Public and Private Security Interface. Airborne Aircraft Security. Increased Supervision: Introduction – Criminal Guards – Ergonomic Solutions – potential Operator concerns – measuring operator Performance – The public tolerate the intrusion – Introduction – Metal detectors – Selecting a metal detector – Hand Held Body Scanners – X-ray inspection units – Passive and active metal detectors – Wave imaging – Selecting an X- Ray unit – Sizes – Film and Laptops – Details of X-ray unit – US standard for radiation exposure – New computer software – Trace – Detection technology – Tangents – conclusion. | | | | | | | 9 | | | C3 | | |
| IV | A Loose End : Introduction – Cargo Carrier responsibility – Air cargo security – Suicides – Baggage Tags – Passenger/ Baggage reconciliation – Airport lockers – Container hardening – Blast containment versus blast management – Airmail security – Indirect air carriers – known and unknown shipper – Vacuum chambers – Inspection of cargo – International Air cargo standards – Irelands air Cargo Security Program – TSA inspection of Air port – Conclusion. A slippery slope: Introduction – Fourth Amendment – Administrative search exception – Balancing Approach – Less intrusive alternatives – Stop and frisk exceptions – Individual stop and frisk search – Selective class stop and frisk search – Consent exception – Fourth amendment requirements – reasonableness – probable cause – Exclusionary rules – Police participation – Non- Violent threats – Passenger‘s right to terminate a search – Alternate view point – the war on drugs – New law and technologies – Conclusion . Foreign Airport Security: Introduction – ground Security – American assessments – diversion airports – Aviation safety assessment program – Legal Remedies – Profiling – Bomb sniffing dogs – Conclusion. | | | | | | | 9 | | | C4 | | |
| V | Technological Improvements: Some intrusive and some not: Introduction – Core commission – Micro wave Holographic Imaging – Body orifice security scanner – Flight Vu™ Aircraft data scanner – New Generation of video security systems – Bio simmer™ quadruple resonance device – Intelliscan™ - 12000 Metal Detector-Biometric systems - FACEIT™ Access controls – Imaging Technologies – Conclusion. The Foundations of Security: Introduction -Airport/Runway incursions – Passenger interference – Conventional weapons – explosives – Nuclear weapons – Biological weapons – Conclusions. Another Foundation: Introduction – Access control – exterior alarm sensors – Control room – no power/ security – media intrusion – computer security – conclusion. | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | |  | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Understand the fundamentals of national security pertaining to Aviation | | | | | | | PO1, PO2, PO6 | | | | | |
| **CO2** | Understand light on terrorism and hijacking | | | | | | | PO3, PO5, PO8, | | | | | |
| **CO3** | Understand screening related to aviation | | | | | | | PO1, PO3, PO5, PO8 | | | | | |
| **CO4** | Gain insight into various security measures adopted by aviation sector | | | | | | | PO1, PO2, PO6, PO7 | | | | | |
| **CO5** | Learn the technology related to aviation | | | | | | | PO1, PO2, PO5, PO8 | | | | | |
| **Reading materials** | | | | | | | | | | | | | |
| 1. | https://www.civilaviation.gov.in/sites/default/files/Final%20Report%20-%209th%20March%202016.pdf | | | | | | | | | | | | |
| 2. | https://catdir.loc.gov/catdir/toc/fy044/2003065829.html | | | | | | | | | | | | |
| **Text Book** | | | | | | | | | | | | | |
| 1. | Aviation and Airport Security – Kathleen M. Sweet – Pearson Education Inc. | | | | | | | | | | | | |
| **Reference Books** | | | | | | | | | | | | | |
| 1. | Aviation in Crisis – Ruwantissa I.R.Abeyrante-Ashgate Publishing Ltd. | | | | | | | | | | | | |
| 2. | Aviation Safety Programs-Richard H.Wood –Jeppesen Sanderson Inc. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** | 3 | 2 |  |  |  | 3 |  |  |
| **CO 2** |  |  | 3 |  | 3 |  |  | 3 |
| **CO 3** | 2 |  | 3 |  | 2 |  |  | 3 |
| **CO 4** | 3 | 3 |  |  |  | 2 | 3 |  |
| **CO 5** | 3 | 2 |  |  | 2 |  |  | 3 |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AIRLINE MARKETING AND STRATEGIC AIRLINE ALLIANCES** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To gain insight into market for air transport and understand the marketing strategy | | | | | | | | | | | | |
| C2 | To gain insight into product analysis | | | | | | | | | | | | |
| C3 | To understand promotion marketing in the airline | | | | | | | | | | | | |
| C4 | To understand the regulatory framework for air transport | | | | | | | | | | | | |
| C5 | To throw light into the finances and management of airlines | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Market For Air transport Service-Definition-Marketing Mix- stages in the application of Marketing Principles of Airline Management – successful Airlines – definition of market for Air Transport Services – what business are we in –who is the customer –definitions –apparent and true needs – Industrial Buying Behavior –customer business Air Travel market –leisure air travel market – Air Freight Market – market segmentation – concept- segmentation variables in the air passenger market-customer requirements-demographics and psychographics-the leisure segment of demand – air freight market-differences between the passenger and air freight markets.  Marketing Strategy: PESTE analysis : political factors – economic factors – social factors – technological factors – environmental factors – introduction of Airline Business and Marketing Strategies – Porters Five Forces and their application to the Airline Industry – strategic families – differentiation airlines – the future – focus strategies – Airline Business and marketing strategies – common mistakes | | | | | | | 9 | | | C1 | | |
| II | Product Analysis-What is product- theory of product analysis and its application to the Airline Industry – fleet and schedules – related product features – customer service – related product features – controlling product quality – introduction of Pricing and revenue management – building blocks in airline pricing policy – uniform and differential pricing – the structures of air freight pricing-Distribution Of Product And Brand Relationship-Distribution channel strategies – The Travel Agency Distribution system – Global Distribution System (GDS) –Distribution Channels in the Air Freight market – Brands and Commodities – Brand –Building in the Airline Industry – Brand Strategies | | | | | | | 9 | | | C2 | | |
| III | Promotion Marketing-Fundamentals of relationship marketing – components of a relationship marketing strategy – frequent flyer programmers –the anatomy of a sale – sales planning – marketing communication techniques – airline advertising – selling in the air freight market – glossary of aviation terms and marketing terms. | | | | | | | 9 | | | C3 | | |
| IV | The regulatory framework of Air Transport- Economic characteristics of the Airline Industry-Benefits of scale, scope and density in Air Transport-Types of Alliances between Airlines-Current Airline Alliance group-Cases of failed Airline Alliances-A Historical glimpse at Alliancing objectives-Reasons for Airlines building Alliances-Objectives of Alliances- Introduction- Marketing-driven objectives for alliances-Turbulence in marketing channels-Changes to airline marketing-Determinates of alliance image-Benefit challenges and cost of alliance brand association-Marketing and information. Performance measurement in airlines- Measuring the performance impact of alliance-Time continuum in performance assessment-Traffic and revenue enhancement-Cost-Productivity-Profitability. | | | | | | | 9 | | | C4 | | |
| V | Introduction –Sources of financial benefits –Labour cost reduction –Cost reduction in sourcing – marking financial benefits come true- Airline views or financial benefits Traffic increase- revenue enhancement- Cost reduction-Profit improvement. The structure of alliance groups- The airline alliance group as a hybrid organization-The airline alliance group as an industrial network. Airline alliance groups as ‗multinational corporations‘ - The problem of local rationales.  Introduction- Success drivers in airline business- Premises and objectives – Finding suitable partners – governance structure- degree of integration and trust- Organization‘s commitment- Ensuring flow of information- Performance evaluation-Managing cultural differences- In conclusion. Scenarios for the future- The internal dynamics of alliancing- a look into the future of airline alliance groups. | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | Gain insight into market for air transport and understand the marketing strategy | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO2** | Gain insight into product analysis | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO3** | Understand promotion marketing in the airline | | | | | | | PO2, PO4, PO5, PO6, PO7 | | | | | |
| **CO4** | Understand the regulatory framework for air transport | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO5** | Gain knowledge about the finances and management of airlines | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading Materials** | | | | | | | | | | | | | |
| 1. | https://www.tutorialspoint.com/aviation\_management/aviation\_management\_airline\_marketing.htm | | | | | | | | | | | | |
| 2. | https://nscpolteksby.ac.id/ebook/files/Ebook/Business%20Administration/Airline%20Marketing%20and%20Management%20(2007)/6.%20Chapter%205%20-%20Product%20Analysis%20in%20Airline%20Marketing.pdf | | | | | | | | | | | | |
| 3. | https://core.ac.uk/download/pdf/10127599.pdf | | | | | | | | | | | | |
|  | **Reference Books** | | | | | | | | | | | | |
| 1. | Marketing Management – Philip Kotler-Pearson Education | | | | | | | | | | | | |
| 2. | Marketing Management –Ramaswamy & Namakumari –MacMillan | | | | | | | | | | | | |
| 3. | Global Marketing Management –Warren J.Keegan –P.H.I | | | | | | | | | | | | |
| 4. | Strategic Management –An Integrated Approach –Hill Jones –(Dreamtech Bictantia) | | | | | | | | | | | | |
| 5. | Strategic Management Concept & Cases –Thomson & Strictland –Tata McGraw Hill | | | | | | | | | | | | |
| 6. | Cases in Strategic Management –S.B.Budhiraja & M.B.Athreya –Tata McGraw Hill. | | | | | | | | | | | | |
|  | **Text Book** | | | | | | | | | | | | |
| 1. | Airline Marketing and Management-Stephen Shaw – Ashgate Publishing Limited | | | | | | | | | | | | |
| 2. | Managing Strategic Airline Alliances-Birgit Kleymann & Hannu Seristo- | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 2** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 3** |  | 3 |  | 3 | 3 | 3 | 3 |  |
| **CO 4** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 5** |  |  |  | 3 |  | 3 | 3 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AIR TRAFFIC CONTROL** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To understand the human factors in air traffic control | | | | | | | | | | | | |
| C2 | To elucidate the information processing process related to air traffic control | | | | | | | | | | | | |
| C3 | To demonstrate effective communication and team-building strategies | | | | | | | | | | | | |
| C4 | To understand the Procedures, Circumstances and Background details | | | | | | | | | | | | |
| C5 | To understand and manage stress in aviation field | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | Human factors in Air traffic Control –Temporal progress in Human Factors in ATC –The circumstances – Background Details – The Human Factors –Preventive measures. Nature of Human Error: Shell model –Modeling Error –Engineering ,Interactive Information Processing – Levels of Behavior – Skill based, Rule Based, Knowledge based – Violations – Decision Making – Action – nature of Intended action – Managing Human error – Individual blame or systemic causal factors. | | | | | | | 9 | | | C1 | | |
| II | Information processing – Sensation and sensory memory – Perception – Detection – Attention – Recognition – Decision Making and response selection – the visual system – visual sensation, perception, cognition, imagery – visualization in air traffic control. Auditory cognition – Spatial Orientation – Situation awareness – Mental Models – decision making and Judgment – Cognitive aspects – attitudinal behavioral aspects – selection and training | | | | | | | 9 | | | C2 | | |
| III | Introduction – Communication distortion, expectancy, Noise and masking – Interruption – Listening – Selecting – Attending – Understanding – Non-verbal communication – Touch – Body Language – Communication in the ATC environment – communicating within groups – to solve problems – gate keeping – mediating – Criticism – Leadership – Team Building – Stress reduction – Self-development and learning – Communication style – teams and Team work –Teams – Conformity – Compliance – Group decision making – group polarization – group think – cultural influences – Team roles – Working with other teams. | | | | | | | 9 | | | C3 | | |
| IV | Procedures – Circumstances – Background details – The Human factors – preventive measures – Checklists – Software display. Human machine systems – operational complexity versus Functional capability – Radar service – Procedural service – Future changes in the controlling environment – navigation: GNSS and free flight – surveillance: ADS and ADS-B – Other Human Factor issues in the CNS environment – Design and development – training – licensing | | | | | | | 9 | | | C4 | | |
| V | Stress – causes of stress – noise and vibration – stress recognition – Stress management – Estimating stress levels -Changing Attitudes and behavior – Post traumatic stress Disorder – Sleep and fatigue – Circadian Rhythms – Cardiovascular and respiratory systems – The digestive system and the kidneys – Mental performance – psychological problems – performance changes – safety management – A case study – The Mount Erebus Disaster – Individual Performance factors – task factors – organizational culture – ATS organizations. | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcome** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | **Program Outcomes** | | | | | |
| **CO1** | To understand the human factors in air traffic control | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | To elucidate the information processing process related to air traffic control | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO3** | To demonstrate effective communication and team-building strategies | | | | | | | PO2, PO4, PO6, PO7 | | | | | |
| **CO4** | To understand the Procedures, Circumstances and Background details | | | | | | | PO4, PO5, PO6, PO7 | | | | | |
| **CO5** | To understand and manage stress in aviation field | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | https://courses.lumenlearning.com/suny-esc-communicationforprofessionals/chapter/interference-in-communication-processes/ | | | | | | | | | | | | |
| 2. | https://aim-india.aai.aero/sites/default/files/ais\_docs/Doc%209758%20-%20Human%20Factors%20Guidelines%20ATM%20Systems.pdf | | | | | | | | | | | | |
| 3. | <http://aviationlearning.net/files/HumanFactors%20AAt%20booklet.pdf> | | | | | | | | | | | | |
| 4. | <https://www.researchgate.net/publication/270584102_Improving_the_mastery_of_human_factors_in_a_safety_critical_ATM_organisation> | | | | | | | | | | | | |
|  | **Reference Book** | | | | | | | | | | | | |
| 1. | Investigating Human Error –Barry Strauch –Ashgate Publishing Limited Staffing the ATM System –Hinnerk Eibfeldt, Mike C.Heil and Dana Broach –Ashgate Publishing Limited. | | | | | | | | | | | | |
| 2. | Innovation and Consolidation in Aviation – GrahamEdkins and PeterPfister –  Ashgate Publishing Ltd. | | | | | | | | | | | | |
| 3. | Air Traffic Control: Human Performance Factors –Anne R.Issac with Bert Ruitenberg-Ashgate Publishing Ltd. | | | | | | | | | | | | |
| 4. | Michael S Nolan, Fundamentals of Air Traffic Control, Delmar Publicaiton, 5th Edition, 2018 | | | | | | | | | | | | |
| 5. | Air Traffic Control: Past, Present and Future., Sundara Mahalingam., Kaveri Books. | | | | | | | | | | | | |
| 6. | Human Factors In Air Traffic Control., V. D. Hopkin.,2017, United Kingdom: CRC Press. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 2** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 3** |  | 3 |  | 3 | 3 | 3 | 3 |  |
| **CO 4** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 5** |  |  |  | 3 |  | 3 | 3 |  |

**S-Strong M-Medium L-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AIRCRAFT MAINTENANCE MANAGEMENT** | Elective | 3 | - | - | - | 45 | | 3 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To learn about the goals of aircraft maintenance | | | | | | | | | | | | |
| C2 | To understand the documents to be maintained | | | | | | | | | | | | |
| C3 | To study the production planning and technical training | | | | | | | | | | | | |
| C4 | To study on basic maintenance control | | | | | | | | | | | | |
| C5 | To know the role of quality assurance and quality control | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **AIRCRAFT MAINTANANCE**  Goals and Objectives of Maintenance: Types of Maintenance-Reliability,  Redesign. Establishing Maintenance Programme. Introduction of Maintenance Steering  Group- Process and Task Oriented Maintenance- Maintenance Intervals Defined. | | | | | | | 9 | | | C1 | | |
| II | **Documentation for Maintenance**  Types of Documentation- Regulatory  Documents- Airlines Generated Documents- ATA Document Standards- Maintenance and  Engineering Organization. | | | | | | | 9 | | | C2 | | |
| III | **Production Planning and Control**  Forecasting-Production Planning & Control.  Feedback for Planning- Organization for PPC- Technical Publications-Functions of  Technical Publication- Technical Training – Training for Aviation Maintenance. | | | | | | | 9 | | | C3 | | |
| IV | **Maintenance Control Centre**  Responsibilities- Line maintenance operations.  Maintenance crew skill requirement- Hamper maintenance activities- Maintenance overall  shops (off aircraft) | | | | | | | 9 | | | C4 | | |
| V | **Quality Assurance and Quality Control**  Requirement for Quality Assurance.  Quality Audit-ISO 9000 Quality Standard- Reliability-Types of Reliability- Maintenance  Safety-Safety Rules-Accident & Injury Reporting**.** | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | | | | | | |
| **CO1** | To Understand the goals and objectives of aircraft maintenance | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Identify the documents to be maintained | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO3** | To know about the production planning and technical training | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO4** | To know the basic maintenance control | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO5** | Imbibe the role of quality assurance and quality control | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | https://www.softwaretestinghelp.com/quality-assurance-vs-quality-control/ | | | | | | | | | | | | |
| 2. | https://www.interviewbit.com/blog/difference-between-quality-assurance-and-quality-control/ | | | | | | | | | | | | |
| 3. | https://ftmaintenance.com/maintenance-management/8-maintenance-management-objectives/ | | | | | | | | | | | | |
| 4. | <https://resources.workable.com/maintenance-worker-job-description> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | Aviation Maintenance Management-Harry A KinnisonMcGraw Hill | | | | | | | | | | | | |
| 2. | Risk Management And Error Reduction In Aviation Maintenance-ManojS.Patankar and James C.Taylor-Ashgate Publishing Ltd | | | | | | | | | | | | |
| 3. | Managing Maintenance Error-James Reason And Alan Ho | | | | | | | | | | | | |
| 4. | Introduction to Aircraft Maintenance. (2012). United States: Avotek Information Resources. | | | | | | | | | | | | |
| 5. | Delp, F., Watkins, W., Sterkenburg, R., Kroes, M. (2013). Aircraft Maintenance and Repair, Seventh Edition. United Kingdom: McGraw-Hill Education. | | | | | | | | | | | | |
| 6. | Siddiqui, T., Kinnison, H. A. (2012). Aviation Maintenance Management, Second Edition. United Kingdom: McGraw-Hill Education. | | | | | | | | | | | | |

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|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 2** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 3** |  | 3 |  | 3 | 3 | 3 | 3 |  |
| **CO 4** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 5** |  |  |  | 3 |  | 3 | 3 |  |

**3-Strong 2-Medium 1-Low**

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| **Subject Code** | **Subject Name** | **Category** | **L** | **T** | **P** | **O** | **Credits** | | **Inst. Hours** | **Marks** | | | |
| **CIA** | | **External** | **Total** |
|  | **AIRLINES INSURANCE** | Elective | 3 | - | - | - | 3 | | 45 | 25 | | 75 | 100 |
| **Course Objectives** | | | | | | | | | | | | | |
| C1 | To learn about the airline insurance | | | | | | | | | | | | |
| C2 | To understand the valuation and sources of fund | | | | | | | | | | | | |
| C3 | To study the airline leasing and financing | | | | | | | | | | | | |
| C4 | To have a basic knowledge of risk management | | | | | | | | | | | | |
| C5 | To know the role of aviation insurance and its pricing | | | | | | | | | | | | |
| **UNIT** | **Details** | | | | | | | **No. of Hours** | | | **Course Objectives** | | |
| I | **AIRLINE FINANCE**  Introduction-need&importance-world airline financial resultsFactors affecting financial results-asset utilization-key financial issues- Airline financial ratio-performance earning ratio-risk solvency ratio- Liquidity ratio-stock market ratio-interairline comparison of financial ratio. | | | | | | | 9 | | | C1 | | |
| II | **AIRLINE VALUATIONS AND SOURCE OF FINANCE:**  The valuation of tangible and intangible assets-the valuation of the airline as a whole- Rating agencies-sources of internal and external finance-institutions involved in airline finance- Term loan payments, book profitand manufacturer‘s prepayment.. | | | | | | | 9 | | | C2 | | |
| III | **AIRCRAFT LEASING AND FINANCE:**  Finance lease-meaning,objectives,different type of  leasing,major,differences between wet,sales and operating lease.Securitization of aircraftmeaning,purpose and advantage,airline traffic and financial forecasts- Airline capital expenditure projections and airline financial requirement forecasts**.** | | | | | | | 9 | | | C3 | | |
| IV | **PRINCIPLES OF INSURANCE AND RISK MANAGEMENT**  History of aviation insurance basic principal of insurance-basic terminologies in general insurance.Insurers-risk &  insurance-risk management. | | | | | | | 9 | | | C4 | | |
| V | **AVIATION INSURANCE:**  Aircraft hull and liability insurance-sample policy and  endorsement-airport premise liability and other aviation coverage- Underwriting and pricing aviation risk-aviation business property insurance and transport insurance. | | | | | | | 9 | | | C5 | | |
|  | **Total** | | | | | | | **45** | | |  | | |
| **Course Outcomes** | | | | | | | | | | | | | |
| **Course Outcomes** | On completion of this course, students will; | | | | | | | | | | | | |
| **CO1** | They understand about the airline insurance | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO2** | Identify the valuation and sources of fund | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO3** | Understand the airline leasing and financing | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO4** | To have a basic knowledge of risk management | | | | | | | PO4, PO6, PO7 | | | | | |
| **CO5** | To know the role of aviation insurance and its pricing | | | | | | | PO4, PO6, PO7 | | | | | |
| **Reading List** | | | | | | | | | | | | | |
| 1. | <https://www.oecd.org/daf/fin/insurance/4.DavidGasson-background.pdf> | | | | | | | | | | | | |
| 2. | <https://en.wikipedia.org/wiki/Aviation_insurance#:~:text=Aviation%20insurance%20provides%20coverage%20for,damage%20caused%20by%20aircraft%20accidents>. | | | | | | | | | | | | |
| 3. | https://www.bankbazaar.com/miscellaneous-insurance/aviation-insurance.html | | | | | | | | | | | | |
| 4. | <https://avioninsurance.com/the-importance-of-getting-an-aviation-insurance/> | | | | | | | | | | | | |
| **References Books** | | | | | | | | | | | | | |
| 1. | M.N.Mishra:Insurance principles and practices references | | | | | | | | | | | | |
| 2. | Peter.S.Morrel,AirlineFinance,Ashgate | | | | | | | | | | | | |
| 3. | P.Periyasamy: Principles and practices of insurance | | | | | | | | | | | | |
| 4. | Gail F Butler &Martin R Keller,-Airline Finance,McGraw Hill | | | | | | | | | | | | |
| 5. | Alexander.T.Wells&Bruce.D,Aviation Insurance and Risk Management,Krieger | | | | | | | | | | | | |
| 6. | Introduction to Aviation Insurance and Risk Management. (2007). United States: Krieger Pub.. | | | | | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PO 1** | **PO 2** | **PO 3** | **PO 4** | **PO 5** | **PO 6** | **PO 7** | **PO 8** |
| **CO 1** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 2** |  |  |  | 3 |  | 3 | 3 |  |
| **CO 3** |  | 3 |  | 3 | 3 | 3 | 3 |  |
| **CO 4** |  |  |  | 3 | 3 | 3 | 3 |  |
| **CO 5** |  |  |  | 3 |  | 3 | 3 |  |

**3-Strong 2-Medium 1-Low**

**The students will be Evaluated and Assessed on all the courses as given below:**

|  |  |  |
| --- | --- | --- |
| **Methods of Evaluation** | | |
| **Internal Evaluation** | Continuous Internal Assessment Test | 25 Marks |
| Assignments |
| Seminars |
| Attendance and Class Participation |
| **External Evaluation** | End Semester Examination | 75 Marks |
|  | Total | 100 Marks |
| **Methods of Assessment** | | |
| **Recall (K1)** | Simple definitions, MCQ, Recall steps, Concept definitions | |
| **Understand/ Comprehend (K2)** | MCQ, True/False, Short essays, Concept explanations, Short summary or overview | |
| **Application (K3)** | Suggest idea/concept with examples, Suggest formulae, Solve problems, Observe, Explain | |
| **Analyze (K4)** | Problem-solving questions, Finish a procedure in many steps, Differentiate between various ideas, Map knowledge | |
| **Evaluate (K5)** | Longer essay/ Evaluation essay, Critique or justify with pros and cons | |
| **Create (K6)** | Check knowledge in specific or offbeat situations, Discussion, Debating or Presentations | |

**Evaluation and Assessment**

The students will be Evaluated and Assessed on all the courses as given below:

|  |  |  |
| --- | --- | --- |
| **Methods of Evaluation** | | |
| **Internal Evaluation** | Continuous Internal Assessment Test | 25 Marks |
| Assignments |
| Seminars |
| Attendance and Class Participation |
| **External Evaluation** | End Semester Examination | 75 Marks |
|  | Total | 100 Marks |
| **Methods of Assessment** | | |
| **Recall (K1)** | Simple definitions, MCQ, Recall steps, Concept definitions | |
| **Understand/ Comprehend (K2)** | MCQ, True/False, Short essays, Concept explanations, Short summary or overview | |
| **Application (K3)** | Suggest idea/concept with examples, Suggest formulae, Solve problems, Observe, Explain | |
| **Analyze (K4)** | Problem-solving questions, Finish a procedure in many steps, Differentiate between various ideas, Map knowledge | |
| **Evaluate (K5)** | Longer essay/ Evaluation essay, Critique or justify with pros and cons | |
| **Create (K6)** | Check knowledge in specific or offbeat situations, Discussion, Debating or Presentations | |