

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

Total Credits= 23

Semester 5 th		Contact Hours			Max Marks		Total Marks	Credits
Subject Code	Subject Name	L	T	P	Int.	Ext.		
BBADS2-501	Goods and Services Tax	4	-	-	40	60	100	4
BBADS2-502	Strategic Human Resource Management	4	-	-	40	60	100	4
BBADS2-503	Aircraft Maintenance Management	4	-	-	40	60	100	4
BBADS2-504	Cabin Crew Management	4	-	-	40	60	100	4
BBADS2-505	Airline Finance and Insurance	4	-	-	40	60	100	4
BBADS2-506	Minor Project	-	-	-	30** Viva-Voce	70** Project Report	100	3
Total		-	-	-	230	370	600	23

* Mini Project on Airline Operations and Corporate Social Responsibility of an Airline company.

**The Student has to submit a Project Report of at least 50 Pages. The Project carries 70 Marks for the Report and 30 Marks for Viva-Voce.

Total Credits= 23

Semester 6 th		Contact Hours			Max Marks		Total Marks	Credits
Subject Code	Subject Name	L	T	P	Int.	Ext.		
BBADS2-601	Entrepreneurship Development	4	-	-	40	60	100	4
BBADS2-602	Principles of Airline and Airport Management	4	-	-	40	60	100	4
BBADS2-603	Airport Strategic Planning	4	-	-	40	60	100	4
BBADS2-604	Marketing Management	4	-	-	40	60	100	4
BBADS2-605	Production and Operation Management	4	-	-	40	60	100	4
BBADS2-606	Dissertation	-	-	-	30** Viva-Voce	70** Project Report	100	3
Total		-	-	-	230	370	600	23

*Research based Dissertation on Airline / Airport Employees, Air Passengers, Travel Agents, Tour

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

Operators, Service Providers, etc.

****The Student has to submit Dissertation of at least 50 Pages. The Dissertation carries 70 Marks and 30 Marks for Viva-Voce**

SEMESTER 5th

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

GOODS & SERVICES TAX

Subject Code: BBADS2-501

L T P C

Duration: 60(Hrs.)

4 - - 4

Course Objectives:

The aim of this course is:

1. To equip students with the principles and provisions of Goods and Services Tax (GST), which is, implemented from 2017 under the notion of One Nation, One Tax and One Market
2. To provide an insight into practical aspects and apply the provisions of GST laws to various situations.

Course Outcomes:

After studying this course the students will be able to understand

1. Objectives and basic scheme of GST, Salient features of GST
2. Salient features of CGST Act, SGST Act (Punjab State),
3. Registration under GST
4. Simple Problems on utilization of input tax, Problems on Assessment of tax and tax liability.

UNIT-I (14 Hours)

Introduction To Goods And Services Tax (GST): Objectives and basic scheme of GST, Meaning – Salient features of GST – Subsuming of taxes – Benefits of implementing GST – Constitutional amendments - Structure of GST (Dual Model) – Central GST – State / Union Territory GST – Integrated GST - GST Council: Structure, Powers and Functions. Provisions for amendments.

UNIT-II (16 Hours)

GST ACTS: CGST Act, SGST Act (Karnataka State), IGST Act : Salient features of CGST Act, SGST Act (Punjab State), IGST Act - Meaning and Definition: Aggregate turnover, Adjudicating authority, Agent, Business, Capital goods, Casual taxable person, Composite supply, Mixed supply, Exempt supply, Outward supply, Principal supply, Place of supply, Supplier, Goods, Input service distributor, Job work, Manufacture, Input tax, Input tax credit, Person, Place of business, Reverse charge, Works contract, Casual taxable person, Non-resident person. Export of goods / services, Import of goods / services, Intermediary, Location of supplier of service, Location of recipient of service.

UNIT-III (16 Hours)

PROCEDURE AND LEVY UNDER GST :

Registration under GST: Procedure for registration, Persons liable for registration, Persons not liable for registration, Compulsory registration, Deemed registration, Special provisions for Casual taxable persons and Non-resident taxable persons. Exempted goods and services - Rates of GST.

Procedure relating to Levy: (CGST & SGST): Scope of supply, Tax liability on Mixed and Composite supply, Time of supply of goods and services, Value of taxable supply. Computation of taxable value and tax liability.

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

Procedure relating to Levy: (IGST): Inter-state supply, intra-state supply, Zero rates supply, Value of taxable supply – Computation of taxable value and tax liability.

Input tax Credit: Eligibility, Apportionment, Inputs on capital goods, Distribution of credit by Input Service Distributor (ISD) – Transfer of Input tax credit - Simple Problems on utilization of input tax

UNIT-IV(14 Hours)

ASSESSMENT AND RETURNS: Furnishing details of outward supplies and inward supplies, First return, Claim of input tax credit, Matching reversal and reclaim of input tax credit, Annual return and Final return. Problems on Assessment of tax and tax liability.

Recommended Text Books / Reference Books:

1. Deloitte: GST Era Beckons, Wolters Kluwer.
2. Madhukar N Hiregange: Goods and Services Tax, Wolters Kluwer.
3. All About GST: V.S Datey - Taxman's.
4. Guide to GST: CA. Rajat Mohan,
5. Goods & Services Tax – Indian Journey: N.K. Gupta & Sunnania Batia, Barat's Publication
6. Goods & Services Tax – CA. Rajat Mohan,
7. Goods & Services Tax: Dr.Sanjiv Agrawal & CA. Sanjeev Malhotra.
8. GST - Law & Practice: Dr. B.G. Bhaskara, Manjunath. N & Naveen Kumar IM,

STRATEGIC HUMAN RESOURCE MANAGEMENT

Subject Code: BBADS2-502

L T P C

Duration: 60(Hrs.)

4 - - 4

Course Objectives:

The aim of this course is:

1. To introduce to student the basic concepts related to Human Resource Management which can form foundation to understanding advanced concepts in managing human resources in an organization.
2. To understand about acquiring, Developing and Rewarding of Human Resources

Course Outcomes:

After undergoing this subject, the student will learn

1. Functions of Human Resource Management, Managerial and operative role of Human Resource Management
2. Job Analysis and Design, Job Restructuring, Recruitment and Selection
3. Training and Development , Significance of Career Planning
4. Performance Appraisal , Methods and needs for Performance Appraisal

UNIT-I (15 Hours)

Introduction To Human Resource Management And Environment: Functions of Human Resource Management. Managerial and operative role of Human Resource Management. Personnel

MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS 2020 BATCH ONWARDS

Management vs. Human Resource Management – Strategic Management Approach. The Role of Globalization in HR Policy and Practice.

UNIT-II (15 Hours)

Acquiring Human Resources: Human Resource Planning and Alignment – Job Analysis and Design. Job Description, Job Specification and Job Evaluation, Job Restructuring – Job Rotation, Job Enlargement and Job Enrichment. Recruitment and Selection – Placement – Induction and Orientation. Line and Staff.

UNIT-III (15 Hours)

Developing Human Resources: Training and Development – Employee Training and Retraining – Assessing Training Needs and Designing Training Programmes. An overview on employee orientation: Career Planning and Development: Role and Significance of Career Planning – Impact of Career Planning on Productivity.

UNIT-IV (15 Hours)

Rewarding Human Resources: Performance Appraisal – Methods and needs for Performance Appraisal – Organization Climate and its impact on HRM. Components of Organization Culture. Quality of Work Life – Determinants of quality of work life. Impact of QWL on Organization Climate and Culture.

Recommended Text Books / Reference Books:

1. Human Resources - Bernandin H. John. TMH.
2. Managing Human Resources – Wayne E. Casio. – TMH
3. Human Resources Management – David Lepak and Mary Gowan – Pearson

AIRCRAFT MAINTENANCE MANAGEMENT

Subject Code: BBADS2-503

L T P C

Duration: 60(Hrs.)

4 - - 4

Course Objectives: The main aim of this subject is

1. To enable the students to learn the importance of Aircraft Maintenance without which Aircraft Movements will be disturbed terribly and
2. To equip the students with the safety functions of Aircraft Operations
3. To equip the students to prepare the the proper Maintenance schedule and maintenance operations

Course Outcome: After completing this course, students will be able to

1. Have adequate knowledge about aircraft maintenance
2. Have knowledge about various regulatory documents regarding maintenance
3. Perform forecasting of production and planning
4. Fix the responsibilities of staff and maintenance safety rules.

MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS 2020 BATCH ONWARDS

UNIT-1: (13 Hrs)

Reliability, Redesign. Establishing Maintenance Programme- Introduction of Maintenance Steering Group Process and Task Oriented Maintenance- Maintenance Intervals Defined.

UNIT-2: (15 Hrs)

Types of Documentation Regulatory Documents Airlines Generated Documents ATA Document Standards Maintenance and Engineering Organization

UNIT-3: (16 Hrs)

Forecasting- Production Planning & Control -Feedback for Planning Organization of PPC Technical Publications- Functions of Technical Publication Technical Training – Training for Aviation Maintenance

UNIT-4: (16 Hrs)

Responsibilities Line Maintenance Operations Maintenance Crew Skill Requirement Hamper Maintenance Activities Maintenance Overall Shops (off aircraft), Requirement for Quality Assurance Quality audit- ISO 9000 Quality standard Reliability- Types of Reliability Maintenance Safety – Safety Rules- Accident & Injury Reporting

Recommended Text Books / Reference Books:

1. Aviation Maintenance Management - Harry A Kinnison mc Graw hill
2. Risk Management and Error Reduction in Aviation Maintenance – Manoj S. Patankar and James C. Taylor – Ashgate Publishing Ltd
3. 2. Managing Maintenance Error – James Reason and Alan Ho

CABIN CREW MANAGEMENT

Subject Code: BBADS2-504

L T P C

Duration: 60(Hrs.)

4 - - 4

Course Objectives:

The aim of this course is:

1. Understanding the skills for effective revalidation and implementation through training
2. Enabling the standards and requirements for crew professionalism
3. Identifying errors and corrective actions on time and analyzing the depth of knowledge requirement in every crew designation.
4. To develop business environment and through effective communication skills

Course Outcomes:

After undergoing this subject, the student will learn

1. Introduction to CRM, CRM Training
2. CRM Training Methods
3. Error Management ,Initial Training & Objectives
4. CRM for Cabin Crew and Flight Deck Crew.

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

UNIT-I (15 Hours)

Introduction : Introduction – CRM defined – Cognitive Skills – Interpersonal Skills – Factors affecting individual performance – CRM Training – Behavioral Markers – Conclusion

UNIT-II (15 Hours)

CRM History: STANDARDS & TRAINING UK & JAA CRM Requirements – CRM Standards – Objectives of CRM Training – CRM Training Methods.

UNIT-III (15 Hours)

Human Error, Reliability & Error Management : Basic Theory – Error Management – Initial Training & Objectives – Practical Notes – Suggested Training materials – Case Studies

UNIT-IV (15 Hours)

CRM Requirements & Instructors : CRM for Cabin Crew – Flight Deck Crew – Scheme of Charges – Instructor Requirements – Accreditation – Revalidation Criteria – Record Keeping

Recommended Text Books / Reference Books:

1. Crew Resource Management 2nd Edition: Barbara Kanki, Robert Helmreich & Jose Anca; Academic Press, 2010.

AIRCRAFT FINANCE AND INSURANCE

Subject Code: BBADS2-505

L	T	P	C
4	0	0	4

Duration: 60 Hrs.

Course Objective: The main aim of this subject is:

1. To provide understanding of airline financial statements
2. To address specific airline industry aspects such as treatment of frequent flyer programmes, aircraft leases
3. To provide information about evaluation of airline performance by financial ratios.

Course Outcomes: after completing this course, students will be able to

1. Apply various evaluation techniques
2. Apply various financial tools to evaluate the financial results
3. Know various sources of internal finance
4. Know various risk management techniques

UNIT- I (16Hrs)

Financial management - An overview, time value of money. Capital Budgeting: Principles and techniques, Nature of capital budgeting, Identifying relevant cash flows, Evaluation Techniques, Payback, Accounting rate of return, Net Present Value, Internal Rate of Return, Profitability Index, Comparison of DCF techniques, Project selection under capital rationing, Inflation and capital budgeting.

UNIT -2 (14Hrs)

World Airline Financial results - Factor affecting Financial results - Airline Financial Statements - Airline Financial Ratios - Inter Airline Comparison of Financial Ratios - Valuation of Tangible Assets - Valuation of Intangible assets- valuation of Airline as a whole - Rating Agencies.

MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS 2020 BATCH ONWARDS

UNIT -3 (14 Hrs)

Sources of internal finance - sources of external finance - Institution evolved in Aircraft Finance -Equity Finance - Foreign Ownership Limits - Share trading and Share Market Listings - Initial Public Offerings - Airline Privatisation - Full Privatisation - Gradual Privatisation - Partial Privatisation.

UNIT- 4 (16 hours)

Airline Financial Planning: Budget Preparation and Control - Working capital Management - Principles of working capital: Concepts need; Determinants, issues and estimation of working capital, Accounts Receivables Management and factoring - Financial Planning.

Risk Management& Leasing : Exchange rate volatility - Airline trading exposure to currency movements- Airline Foreign exchange risk management - Fuel price exposure - Aircraft leasing - Finance Lease - Operating Lease - Japanese Operating Lease - Wet Lease - Sale and Leaseback - Aircraft Securitizations.

Books for Reference

1. Peter.S. Morrel, —Airline Finance, Ashgate
2. M.N. Mishra: Insurance principles and practices
3. P. Periyasamy : Principles and Practices of Insurance
3. 4. Gail F Butler & Martin R Keller, — Airline Finance, Mc Graw Hill

MINOR PROJECT

Subject Code: BBADS2-506

L T P C
- - - 3

Duration: 45 (Hrs.)

*Industrial Visit to Domestic Airport and Report on Organizational Structure and Corporate Social Responsibility.

*The Student has to submit a Project Report of nearly 50 to 80 Pages. This Project must be prepared based on the Organizational Structure and Corporate Social Responsibility of an Airport. The Project carries 70 Marks for Project Report and 30 Marks for Viva-Voce.

SEMESTER 6th

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

ENTREPRENEURSHIP DEVELOPMENT

Subject Code: BBADS2-601

**L T P C
4 - - 4**

Duration: 60(Hrs.)

Course Objectives:

The aim of this course is

1. To enable students to understand the basic concepts of entrepreneurship and preparing a business plan to start a small industry.
2. To understand the meaning and formation of small scale industries and Business Plans

Course Outcomes:

After undergoing this subject, the student will learn

1. Meaning & Definition of Entrepreneurship, Entrepreneur & Enterprise and its Functions
2. Role played by SSI in the development of Indian Economy and Problems faced by SSI's and the steps taken to solve the problems
3. Steps involved in the formation of a small business
4. Human Resource aspects of the BP, Technical, Social aspects of the BP.

UNIT-I (15 Hours)

Entrepreneurship :Introduction – Meaning & Definition of Entrepreneurship, Entrepreneur & Enterprise – Functions of Entrepreneur - Factors influencing Entrepreneurship - Pros and Cons of being an Entrepreneur – Qualities of an Entrepreneur – Types of Entrepreneur

UNIT-II (15 Hours)

Small Scale Industries :Meaning & Definition – Product Range - Capital Investment - Ownership Patterns – Meaning and importance of Tiny Industries, Ancillary Industries, Cottage Industries. Role played by SSI in the development of Indian Economy. Problems faced by SSI's and the steps taken to solve the problems - Policies Governing SSI's.

UNIT-III (15 Hours)

Small Scale Industries :Meaning & Definition – Product Range - Capital Investment - Ownership Patterns – Meaning and importance of Tiny Industries, Ancillary Industries, Cottage Industries. Role played by SSI in the development of Indian Economy. Problems faced by SSI's and the steps taken to solve the problems - Policies Governing SSI's.

UNIT-IV (15 Hours)

Preparing The Business Plan (BP) :Meaning – importance – preparation – BP format: Financial aspects of the BP, Marketing aspects of the BP, Human Resource aspects of the BP, Technical aspects of the BP, Social aspects of the BP. Common pitfalls to be avoided in preparation of a BP.

Recommended Text Books / Reference Books:

1. Vasanth Desai, Management of Small Scale Industry, HPH

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

2. Mark. J. Dollinger, Entrepreneurship – Strategies and Resources, Pearson Edition.

PRINCIPLES OF AIRLINE AND AIRPORT MANAGEMENT

Subject Code: BBADS2-602

L T P C

Duration: 60(Hrs.)

4 - - 4

Course Objectives:

The aim of this course is

1. To enable the students to learn the development and growth of Aviation Industry in the world, which
2. To create the right foundation for a prospective career in Airlines and Airport Management for the Students future.

Course Outcomes:

After undergoing this subject, the student will learn

1. History of Aviation and Development of Air transportation in India
2. Current challenges in Airline Industry and Competition in Airline industry
3. Airport planning-,Operational area and Terminal planning, design, and operation
4. Organization Structure of Airline Sectors Airline Terminal Management

UNIT-I (15 Hours)

Introduction: History of Aviation- Development of Air transportation in India- Major players in Airline Industry-Market potential of Indian Airline Industry— Current challenges in Airline Industry-Competition in Airline Industry.

UNIT-II (16 Hours)

ICAO – International Civil Aviation Organization

International body comprising Governments of various Countries Origin – Aims of ICAO, Functions of ICAO-Role of ICAO in International Air Transportation

IATA- International Air Transportation Association

IATA is the world organization of Scheduled Airlines of all countries Origin – Aims of IATA, Functions of IATA-Role of IATA in International Air Transportation.

UNIT-III (14 Hours)

Airport Management: Airport planning- Operational area and Terminal planning, design, and operation- Airport Operations-Airport functions- Organization structure of Airports Sectors- Airport Authorities- Global and Indian scenario of Airport management – DGCA –AAI.

UNIT-IV (15 Hours)

Airline Operations :Organization Structure of Airline Sectors Airline Terminal Management- Flight Information Counter/Reservation and Ticketing- Check In/Issue of Boarding pass-Customs and Immigration formalities-Co-ordination- Security Clearance-Baggage-Handling-Handling of

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

Stretcher Passengers and Human Remains-Handling of CIP, VIP & VVIP- Co-ordination of Supporting Agencies /Departments.

Recommended Text Books / Reference 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

AIRPORT STRATEGIC PLANNING

Subject Code: BBADS2-603

L T P C

Duration: 60(Hrs.)

4 - - 4

Course Objectives:

The aim of this course is

1. To enable Students to learn the International standards in Airport System Planning and Airport Planning and Design which should match the continuous innovation taking place in Aircraft Characteristics and Airline operations
2. To understand the Growth of Air Transport, Airport Organization and Associations, Classification of Airports Airfield

Course Outcomes:

After undergoing this subject, student will learn

1. About the International standards in Airport System Planning and Airport Planning and Design which should match the continuous innovation taking place in Aircraft Characteristics and Airline operations
2. The Growth of Air Transport, Airport Organization and Associations, Classification of Airports Airfield

UNIT-I (15 Hours)

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.

UNIT-II (15 Hours)

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.

**MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS
2020 BATCH ONWARDS**

UNIT-III (15 Hours)

Airport Planning And Surveys: Runway Length and Width, Sight Distances, Longitudinal and Transverse, Runway Intersections, Taxiways, Clearances, Aprons, Numbering, Holding Apron.

UNIT-IV (15 Hours)

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.

Recommended Text Books / Reference Books:

1. Strategic Airport Planning –Robert E.Caves& Geoffrey D.Gosling-Elsevier Science Ltd
2. Airport Marketing –David Jarach –Ashgate Publishing Limited
3. Aviation Safety Programs A Management Hand Book-Richard H.Wood – Jeppesen Sanderson Inc.
4. Strategic Management –Gregory G.Dess and Alex Miller –McGraw Hill
5. Strategic Management: An Integrative Perspective-A.C.Hax and NS-Majifu, Prentice Hall.

MARKETING MANAGEMENT

Subject Code: BBADS2 – 604

L T P C

Duration: 60 Hrs.

4 0 0 4

Course Objectives:

The aim of this course is

1. To make the student learn that Marketing is one of the foremost functions of Management in present day corporate world, its understanding results in developing best products in terms of goods and services that brings consumer satisfaction.
2. To imbibe the basic understanding among the students to become successful marketers.

Course Outcomes:

After studying this course, the students will be able to

1. Apt with the foundation terms and concepts that are commonly used in marketing.
2. To understand the essential elements for effective marketing practice in the industry.
3. To create a balance between marketing and other management functions.

UNIT-I (13 Hours)

Marketing: Nature and Scope of Marketing, Customer Needs, Wants and Demand. Various Marketing Concepts: Production, Product, Selling, Marketing and Societal Marketing, and Analysing Marketing Environment: Micro, Macro Environment.

MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS 2020 BATCH ONWARDS

UNIT-II (15 Hours)

Market Segmentation: Need, Concept, Nature, Basis and Strategies, Mass Marketing Vs. Segmentation. Marketing Mix: 4Ps of Products and 7Ps of Services, Components and Factors Affecting.

UNIT-III (15 Hours)

Product Decisions: Product Definition, New Product Development Process and Product Life Cycle, Positioning, Branding, Packaging and Labelling Decisions Pricing Decisions: Importance, Objectives, Designing Strategies, Pricing Techniques.

UNIT-IV (17 Hours)

Product Promotion: Promotion Mix-introduction, Importance, Advantages and Disadvantages of Various Components and Factors Affecting. Distribution: Types of Channel, Factors Affecting Decision, Designing and Managing Marketing Channel, Managing Retailing, Physical Distribution System and its Components, Digital Marketing.

Recommended Text Books / Reference Books:

1. P. Kotler, K.L. Keller, A. Koshy and M. Jha, 'Marketing Management: A South Asian Perspective', Pearson Education.
2. M. Etzel, B. Walker, W. Stanton and A. Pandit, 'A Marketing Management', Tata McGraw Hill.
3. V.S. Ramaswamy and S. Namakumari, 'Marketing Management: Global Perspective Indian Context', Macmillan Publishers India Ltd.
4. Rajan Saxena, 'Marketing Management', Tata McGraw Hill Education Pvt. Ltd

PRODUCTION AND OPERATION MANAGEMENT

Subject Code: BBADS2 - 605

L T P C

Duration: 60 Hrs.

4 0 0 4

Course Objectives:

The aim of this course is

to understand the importance of the whole process of manufacturing a product or a service, focusing on the concept of optimum utilization of resources and minimization of costs.

Course Outcomes:

After the completion of this course the students will have

1. An understanding of the concepts of production
2. Operations management of an industrial undertaking and the benefits of automation.

MRSPTU BBA (AVIATION MANAGEMENT) SYLLABUS 2020 BATCH ONWARDS

UNIT-I (15 Hours)

Production and Operations Management; its Functions and Relationship with Other Functional Areas, Facility Location Decision, Layout Decision, Product and Process Layout, Capacity Planning.

UNIT-II (15 Hours)

Production Planning and Control: Planning, Scheduling, Routing etc. Assembly Line Balancing, Work Study: Method Study and Time Study, Work Simplification, Productivity Linked Incentives.

UNIT-III (15 Hours)

Inventory Management – Concepts, Classification: Objectives: Factors Affecting Inventory Control Policy: Inventory Costs: Basic EOQ Model: Re-Order Level: ABC Analysis, Supply Chain Management, and Brief Introduction to JIT.

UNIT-IV (15 Hours)

Quality Management: What is Quality, Quality as a Corporate Strategy, Statistical Methods, SPC Control Charts, Acceptance Sampling, and Total Quality Management (TQM) Quality Circles Cost of Quality, Taguchi Philosophy.

Recommended Text Books / Reference Books:

1. S.N. Chary, 'Production & Operations Management', Tata McGraw Hill Publishing.
2. Buffa, 'Modern Production Management', Wiley Eastern Pvt. Ltd.
3. Adam, 'Production & Operations Management', Prentice Hall.
4. L.C. Jhamb, 'Production & Operations Management', Everest Publishing House.
5. K. Aswathappa & Bhat, 'Production & Operations Management', Himalaya Publishing.

DISSERTATION

Subject Code: BBADS2- 606

L T P C
4 0 0 4

Duration: 60 Hrs.

Students have to do a project under the assigned supervisor by the department. They have to submit a project report and give presentation and Viva Voce on their project.