



### Programme Outcomes (POs) of MCA

#### Savitribai Phule Pune University

#### 2020 Pattern Syllabus

- PO1:** Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.
- PO2:** Identify, formulate, research literature, and solve complex Computing problems reaching substantiated conclusions using fundamental principles of Mathematics, Computing sciences, and relevant domain disciplines.
- PO3:** Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.
- PO4:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.
- PO5:** Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.
- PO6:** Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.
- PO7:** Recognize the need, and have the ability, to engage in independent learning for continual development as a Computing professional.
- PO8:** Demonstrate knowledge and understanding of computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO9:** Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.
- PO10:** Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.
- PO11:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.
- PO12:** Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.



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## Programme Educational Objectives (PEO's) of MCA

Savitribai Phule Pune University  
2020 Pattern Syllabus

The basic objective of the Master of Computer Applications (MCA) is to provide a steady stream of necessary knowledge, skills and foundation for acquiring a wide range of rewarding careers into rapidly expanding world of Information Technology

**Programme Educational Objectives:** PEOs are defined by institution. Following are the guidelines for defining PEOs.

- PEOs should be assessable and realistic within the context of the committed resources.
- The PEOs should be consistent with the mission of the institution.
- All the stakeholders should participate in the process of framing PEOs.
- The number of PEOs should be manageable.
- It should be based on the needs of the stakeholders.
- It should be achievable by the programme.
- It should be specific to the programme and not too broad.
- It should not be too narrow and similar to the PO's.



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**Course Outcomes (CO's) of MCA**

**2020 Pattern Syllabus**

**MCA Semester I**

**Course Code: IT-11 Course Name: Java Programming**

- CO1 Understand Basic Concepts of OOPs, Java, Inheritance, and Package. (Understand)
- CO2: Understand Exception handling, arrays and Strings and multi-threading in Java (Understand.)
- CO3: Understand collection framework (Understand)
- CO4: Develop GUI using Abstract Windows Toolkit (AWT) and event handling (Apply)
- CO5: Develop Web application using JSP and Servlet, JDBC (Apply)

**Course Code: IT-12 Course Name: Data Structure and Algorithms**

- CO1: demonstrate linear data structures linked list, stack and queue (apply)
- CO2: implement tree, graph, hash table and heap data structures (apply)
- CO3: apply brute force and backtracking techniques (apply)
- CO4: demonstrate greedy and divide-conquer approaches (apply)
- CO5: implement dynamic programming technique (apply)

**Course Code: IT-13 Course Name: Object Oriented Software Engineering**

- CO1: Distinguish different process model for a software development. (Understand)
- CO2: Design software requirements specification solution for a given problem definitions of a software system. (Analyze)
- CO3: Apply software engineering analysis/design knowledge to suggest solutions for simulated problems (Analyze)
- CO4: Design user interface layout for different types of applications (Apply)
- CO5: Recognize and describe current trends in software engineering (Understand)

**Course Code: IT-14 Course Name: Operating Systems Concepts**

- CO1: Understand structure of OS, process management and synchronization. (Understand)
- CO2: Understand multicore and multiprocessing OS. (Understand)
- CO3: explain Realtime and embedded OS (Understand)



  
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CO4: understand Windows and Linux OS fundamentals and administration. (Understand)

CO5: solve shell scripting problems (Apply)

**Course Code: IT-15 Course Name: Network Technologies**

CO1: Understand the basic concepts of Computer Network, and principle of layering (Understand)

CO2: Apply the error detection and correction techniques used in data transmission (Apply)

CO3: Apply IP addressing schemes and sub netting (Apply)

CO4: Understand the concept of routing protocols, Application layer protocols and Network Security (Understand)

CO5: Apply the socket programming basics to create a simple chat application (Apply)

**Course Code: IT-11L Course Name: Practical**

CO1: Demonstrate Collection framework (Apply)

CO2: Develop GUI using awt and swing (Apply)

CO3: Develop Web application using JSP and Servlet, JDBC (Apply)

CO4: Apply Data Structure to solve problems using JavaScript (Apply)

**Course Code: ITC11 Course Name: Mini Project**

CO1: Create working project using tools and techniques learnt in this semester (Create)

### **MCA Semester II**

**Course Code: IT-21 Course Name: Python Programming**

CO1: Understand Demonstrate the concepts of python and modular programming. (Understand)

CO2: Apply the concepts of concurrency control in python (Apply)

CO3: Solve the real-life problems using object-oriented concepts and python libraries (Apply)

CO4: Demonstrate the concept of IO, Exception Handling, database (Apply)

CO5: Analyze the given dataset and apply the data analysis concepts and data visualization. (Analyze)



  
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**Course Code: IT-22 Course Name: Software Project Management**

CO1: Understand the process of Software Project Management Framework and Apply estimation techniques. (Apply)

CO2: Learn the philosophy, principles and lifecycle of an agile project. (Understand)

CO3: Demonstrate Agile Teams and Tools and Apply agile project constraints and trade-offs for estimating project size and schedule (Apply)

CO4: Explain Project Tracking and Interpretation of Progress Report (Understand)

CO5: Analyze Problem statement and evaluate User Stories (Analyze)

**Course Code: MT-21 Course Name: Optimization Techniques**

CO1: Understand the role and principles of optimization techniques in business world (Understand)

CO2: Demonstrate specific optimization technique for effective decision making (Apply)

CO3: Apply the optimization techniques in business environments (Apply)

CO4: Illustrate and infer for the business scenario (Analyze)

CO5: Analyze the optimization techniques in strategic planning for optimal gain. (Analyze)

**Course Code: IT-23 Course Name: Advanced Internet Technologies**

CO1: Outline the basic concepts of Advance Internet Technologies (Understand)

CO2: Design appropriate user interfaces and implements webpage based on given problem Statement (Apply)

CO3: Implement concepts and methods of NodeJS (Apply)

CO4: Implement concepts and methods of Angular (Apply)

CO5: Build Dynamic web pages using server-side PHP programming with Database Connectivity (Apply)

**Course Code: IT-24 Course Name: Advanced DBMS**

CO1: Describe the core concepts of DBMS and various databases used in real applications (Understand)

CO2: Design relational database using E-R model and normalization (Apply)

CO3: Demonstrate XML database and nonprocedural structural query languages for data access (Apply)

CO4: Explain concepts of Parallel, Distributed and Object-Oriented Databases and their applications (Understand)



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CO5: Apply transaction management, recovery management, backup and security – privacy concepts for database applications (Apply)

**Course Code: IT-21L Course Name: Practicals**

CO1: implement python programming concepts for solving real life problems. (Apply)

CO2: Implement Advanced Internet Technologies (Apply)

**Course Code: ITC21 Course Name: Mini Project**

CO1: Create working project using tools and techniques learnt in this semester (Create)

### **MCA Semester III**

**Course Code: IT-31 Course Name: Mobile Application Development**

CO1: Understand Various Mobile Application Architectures. (Understand)

CO2: Apply different types of widgets and Layouts. (Apply)

CO3: Describe Web Services and Web Views in mobile applications. (Understand)

CO4: Implement data storing and retrieval methods in android. (Apply)

CO5: Demonstrate Hybrid Mobile App Framework. (Apply)

**Course Code: IT-32 Course Name: Data Warehousing and Data Mining**

CO1: Understand Data warehouse concepts, architecture and models (Understand)

CO2: Learn and understand techniques of pre-processing on various kinds of data (Understand)

CO3: Apply association Mining and Classification Techniques on Data Sets (Apply)

CO4: Apply Clustering Techniques and Web Mining on Data Sets (Apply)

CO5: Understand other approaches of Data mining (Understand)

**Course Code: IT-33 Course Name: Software Testing and Quality Assurance**

CO1: Understand the role of software quality assurance in contributing to the efficient delivery of software solutions. (Understand)

CO2: Demonstrate specific software tests with well-defined objectives and targets. (Apply)

CO3: Apply the software testing techniques in commercial environments. (Apply)

CO4: Construct test strategies and plans for software testing. (Analyse)



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CO5: Demonstrate the usage of software testing tools for test effectiveness, efficiency and coverage (Apply)

**Course Code: IT-34 Course Name: Knowledge Representation and Artificial Intelligence: ML, DL**

CO1: Understand basic building block of Artificial Intelligence and Knowledge Representation. (Understand)

CO2: Apply Propositional Logic for knowledge representation. (Apply)

CO3: Design various models based on Machine Learning methodology (Apply)

CO4: Design various models based on Deep Learning methodology (Apply)

CO5: Understand various hardware and software aspect used for AI and its application. (Understand)

**Course Code: IT-35 Course Name: Cloud Computing**

CO1: Describe the concepts of Cloud Computing and its Service Models& Deployment Models. (Understand)

CO2: Classify the types of Virtualizations. (Understand)

CO3: Describe the Cloud Management and relate Cloud to SOA. (Understand)

CO4: Interpret Architecture and Pharell Programming of Cloud Computing. (Apply)

CO5: Demonstrate practical implementation of Cloud computing. (Apply)

**Course Code: IT-31L Course Name: Practicals**

CO1: Develop mobile application. (Apply)

CO2: Develop ML, DL models using Python (Apply)

**Course Code: ITC31 Course Name: Mini Project**

CO1: Create working project using tools and techniques learnt in this semester (Create)

### **MCA Semester IV**

**Course Code: IT-41 Course Name: DevOps**

CO1: describe the evolution of technology & timeline (Understand)

CO2: explain Introduction to various Devops platforms (Remember)

CO3: demonstrate the building components / blocks of Devops and gain an insight of the Devops Architecture. (Understand)



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Reg No. Maha. : 417/2007/Pune

**INTERNATIONAL INSTITUTE OF MANAGEMENT SCIENCE**

**An ISO 9001 Certified Institute**

(Approved by AICTE Ministry of HRD Govt. of India, Recognised by Govt. of Maharashtra  
and Affiliated to Savitribai Phule Pune University)

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CO4: apply the knowledge gain about Devops approach across various domains (Apply)

CO5: build DevOps application (Apply)

**Course Code: BM-41 Course Name: PPM and OB**

CO1: Describe and analyze the interactions between multiple aspects of management. (Understand)

CO2: Analyze the role of planning and decision making in Organization (Analyze)

CO3: Justify the role of leadership qualities, Motivation and Team Building. (Analyze)

CO4: Analyze stress management and conflict management (Analyze)

CO 5: Describe Personality and Individual Behaviour (Understand)

**Course Code: ITC41 Course Name: Project**

CO1: Create working project using tools and techniques learnt in the programme (Create)



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# Savitribai Phule Pune University, Pune

## Faculty of Commerce and Management

### Master of Computer Applications (MCA)

#### Programme Curriculum ( Sem. I & II) (2020-2022)

#### Preamble:

1. The name of the programme shall be Masters of Computer Applications (M.C.A)
2. The revised MCA Curriculum 2020 builds on the implementation of the Choice Based Credit System (CBCS) and Grading System initiated in the AY 2015. The curriculum takes the MCA programme to the next level in terms of implementing Outcome Based Education along with the Choice Based Credit System (CBCS) and Grading System.
3. The Institutes should organize placement programme for M.C.A. students by interacting with Industries and software consultancy.
4. At the end of each semester, appearing for various certifications is possible for each student enabling them to make their resume rich.
5. With the rapidly changing scenario industry and academia should identify possible areas of collaboration and work together. Institute's placement cell should focus on identifying industrial expectations and institutional preparation for meeting industrial needs.

#### Introduction:

##### **1. Definition: Outcome Based Education:**

**1.1 Outcome Based Education (OBE) Approach:** Outcomes are about performance, and this implies:

- 1.1.1 There must be a performer – the student (learner), not only the teacher
- 1.1.2 There must be something performable (thus demonstrable or assessable) to perform
- 1.1.3 The focus is on the performance, not the activity or task to be performed

**1.2 Programme Educational Objectives (PEOs):** Programme educational objectives are broad statements that describe the career and professional accomplishments that the programme is preparing graduates to achieve. Programme Educational Objectives are a set of broad future focused learner's performance outcomes that explicitly identify what learners will be able to do with what they have learned, and what they will be like after they leave institution and are living full and productive lives. Thus, PEOs are what the programme is preparing graduates for in their career and professional life (to attain within a few years after graduation).



- 1.3 Programme Outcomes (POs):** Programme Outcomes are a set of narrow statements that describes what students (learners) of the programme are expected to know and be able to perform or attain by the time of graduation.
- 1.4 Course Outcomes (COs):** Course Outcomes are narrower statements that describe what students are expected to know and be able to do at the end of each course. These relate to the skills, knowledge, and behavior that students acquire in their matriculation through the course.
- 1.5 Learning Outcomes:** A learning outcome is what a student CAN DO because of a learning experience. It describes a specific task that he/she can perform at a given level of competence under a certain situation. The three broad types of learning outcomes are: a) Disciplinary knowledge and skills b) Generic skills c) Attitudes and values
- 1.6 Teaching and Learning Activities (TLAs):** The set of pedagogical tools and techniques or the teaching and learning activities that aim to help students to attain the intended learning outcomes and engage them in these learning activities through the teaching process.
- 1.7 Assessment and Evaluation:** Assessment is one or more processes, carried out by the institution, that identify, collect, and prepare data to evaluate the achievement of programme educational objectives and programme outcomes. Evaluation is one or more processes, done by the evaluation team, for interpreting the data and evidence accumulated through assessment practices. Evaluation
- 1.8** determines the extent to which programme educational objectives or programme outcomes are being achieved, and results in decisions and actions to improve the programme.

## 2. MCA Programme Focus:

The basic objective of the Master of Computer Applications (MCA) is to provide a steady stream of necessary knowledge, skills and foundation for acquiring a wide range of rewarding careers into rapidly expanding world of Information Technology

- 2.1 Programme Educational Objectives (PEOs)** are defined by institution. Following are the guidelines for defining PEOs
- 2.1.1 PEOs should be assessable and realistic within the context of the committed resources.
  - 2.1.2 The PEOs should be consistent with the mission of the institution.
  - 2.1.3 All the stakeholders should participate in the process of framing PEOs.
  - 2.1.4 The number of PEOs should be manageable.
  - 2.1.5 It should be based on the needs of the stakeholders.
  - 2.1.6 It should be achievable by the programme.
  - 2.1.7 It should be specific to the programme and not too broad.
  - 2.1.8 It should not be too narrow and similar to the POs.

**2.2 MCA Programme Outcomes (POs):** At the end of the MCA programme the learner will possess the following Program Outcome:

**PO1:** Apply knowledge of computing fundamentals, computing specialization, mathematics, and domain knowledge appropriate for the computing specialization to the abstraction and conceptualization of computing models from defined problems and requirements.



**PO2:** Identify, formulate, research literature, and solve *complex* Computing problems reaching substantiated conclusions using fundamental principles of Mathematics, Computing sciences, and relevant domain disciplines.

**PO3:** Design and evaluate solutions for complex computing problems, and design and evaluate systems, components, or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal, and environmental considerations.

**PO4:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.

**PO5:** Create, select, adapt and apply appropriate techniques, resources, and modern computing tools to complex computing activities, with an understanding of the limitations.

**PO6:** Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practice.

**PO7:** Recognize the need, and have the ability, to engage in independent learning for continual development as a Computing professional.

**PO8:** Demonstrate knowledge and understanding of computing and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO9:** Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

**PO10:** Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practice.

**PO11:** Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary environments.

**PO12:** Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

### 3. Admission Details:

**3.1 Eligibility for Admission:** The eligibility criteria for admission for the MCA course will be as decided by the All Indian Council of Technical Education (AICTE), New Delhi and Directorate of Technical Education (DTE), Government of Maharashtra. It will be published on their respective websites time to time.

**3.2 Reservation of Seat:** The percentage of seat reserved for candidates belonging to backward classes only from Maharashtra State in all the Government Aided, Un-aided Institutions/Colleges and University Departments is as per the norms given by Government of Maharashtra, time to time.





**Programme Outcomes (POs) of MBA**  
**Savitribai Phule Pune University**  
**2020 Pattern Syllabus**

**Programme Educational Objectives (PEOs):**

1. PEO1: Graduates of the MBA program will successfully integrate core, cross-functional and inter-disciplinary aspects of management theories, models and frameworks with the real world practices and the sector specific nuances to provide solutions to real world business, policy and social issues in a dynamic and complex world.
2. PEO2: Graduates of the MBA program will possess excellent communication skills, excel in cross-functional, multi-disciplinary, multi-cultural teams, and have an appreciation for local, domestic and global contexts so as to manage continuity, change, risk, ambiguity and complexity.
3. PEO3: Graduates of the MBA program will be appreciative of the significance of Indian ethos and values in managerial decision making and exhibit value centred leadership.
4. PEO4: Graduates of the MBA program will be ready to engage in successful career pursuits covering a broad spectrum of areas in corporate, non-profit organizations, public policy, entrepreneurial ventures and engage in life-long learning.
5. PEO5: Graduates of the MBA program will be recognized in their chosen fields for their managerial competence, creativity & innovation, integrity & sensitivity to local and global issues of social relevance and earn the trust & respect of others as inspiring, effective and ethical leaders, managers, entrepreneurs, entrepreneurs and change agents.

**Programme Outcomes (POs):**

At the end of the MBA programme the learner will possess the

1. Generic and Domain Knowledge - Ability to articulate, illustrate, analyze, synthesize and apply the knowledge of principles and frameworks of management and allied domains to the solutions of real-world complex business issues.
2. Problem Solving & Innovation - Ability to Identify, formulate and provide innovative solution frameworks to real world complex business and social problems by systematically applying modern quantitative and qualitative problem solving tools and techniques.
3. Critical Thinking - Ability to conduct investigation of multidimensional business problems using research based knowledge and research methods to arrive at data driven decisions



  
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4. Effective Communication - Ability to effectively communicate in cross-cultural settings, in technology mediated environments, especially in the business context and with society at large
5. Leadership and Team Work - Ability to collaborate in an organizational context and across organizational boundaries and lead themselves and others in the achievement of organizational goals and optimize outcomes for all stakeholders.
6. Global Orientation and Cross-Cultural Appreciation: Ability to approach any relevant business issues from a global perspective and exhibit an appreciation of Cross Cultural aspects of business and management.
7. Entrepreneurship - Ability to identify entrepreneurial opportunities and leverage managerial & leadership skills for founding, leading & managing startups as well as professionalizing and growing family businesses.
8. Environment and Sustainability - Ability to demonstrate knowledge of and need for sustainable development and assess the impact of managerial decisions and business priorities on the societal, economic and environmental aspects.
9. Social Responsiveness and Ethics - Ability to exhibit a broad appreciation of the ethical and value underpinnings of managerial choices in a political, cross-cultural, globalized, digitized, socio-economic environment and distinguish between ethical and unethical behaviors & act with integrity.
10. Life Long Learning – Ability to operate independently in new environment, acquire new knowledge and skills and assimilate them into the internalized knowledge and skills.

**Programme Specific Outcomes (PSOs): As per specializations:**

**MARKETING MANAGEMENT**

1. The students will be able to learn marketing skills, strategies and give inputs to business for their growth.
2. The students will be able to showcase communication skills including verbal, written audio-visual and digital marketing.
3. Students will be able to develop and apply consumer behavior concepts with the help of live case studies.

**FINANCIAL MANAGEMENT**

1. Students will be able to learn and apply Financial Management concepts and skills.
2. Students will be able analyze the financial statement and their inferences in the business.
3. Students will be able to actually learn different Taxes and liabilities.



  
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## HUMAN RESOURCE MANAGEMENT

1. Students will understand the importance of human resources and activities performed under human resource.
2. Students will be able understand the administering capabilities of IIR and key factors for employees like training, motivation, compensation, appraisal, career planning.
3. Students will be able to develop and apply training strategies.
4. Students will be able to understand sources of conflict and devise the different strategies used in the resolution of conflict.

## OPERATIONS MANAGEMENT

1. It is the function of planning, coordinating, and controlling of various resources.
2. Students will understand and apply the capacity planning of the resources
3. Students will be able to understand workers and their expectations, which will help them to increase their efficiency.
4. Students will be able to learn SCM.

## BUSINESS ANALYTICS

1. The Business Analytics specialization gives the opportunities for creating value using business analytics and describe the basic concepts in Business Analytics, Data Science and Business Intelligence.
2. Students learns the applications of Business Analytics in multiple business domains and scenarios 3. To develop a thought process to think like a data scientist/business analyst.
4. Student to analyze data graphically by creating a variety of plots using the appropriate visualization tools, which will help for business decisions.



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**2 year, 4 Semester Full time Programme**  
**Choice Based Credit System (CBCS) and Grading System**  
**Outcome Based Education Pattern**

MBA I effective from AY 2019-20

MBA II effective from AY 2020-21

**1.0 Preamble:** The revised MBA Curriculum 2019 builds on the implementation of the Choice Based Credit System (CBCS) and Grading System initiated in the AY 2013. The curriculum takes the MBA programme to the next level in terms of implementing Outcome Based Education along with the Choice Based Credit System (CBCS) and Grading System.

**2.0 Definitions:**

**2.1 Outcome Based Education:**

**2.1.1 Outcome Based Education (OBE) Approach:** Outcomes are about performance, and this implies:

- a) There must be a performer – the student (learner), not only the teacher
- b) There must be something performable (thus demonstrable or assessable) to perform
- c) The focus is on the performance, not the activity or task to be performed

**2.1.2 Programme Educational Objectives (PEOs):** Programme Educational Objectives are a set of **broad future-focused student performance outcomes** that explicitly identify what students will be able to do with what they have learned, and what they will be like after they leave school and are living full and productive lives. Thus PEOs are what the programme is preparing graduates for in their **career and professional life** (to attain within a few years after graduation<sup>1</sup>).

**2.1.3 Graduate Attributes (GAs):** Graduate Attributes (GAs) are the **qualities, knowledge and capabilities** that students are encouraged to take responsibility for developing throughout their studies and are the **defining characteristics** of the students passing out of the MBA program. These attributes include, but go beyond, the **disciplinary expertise or technical knowledge**.

**2.1.4 Programme Outcomes (POs):** Programme Outcomes are a set of **narrow statements** that describes what students (learners) of the programme are expected to know and be able to perform or attain **by the time of graduation**.

**2.1.5 Programme Specific Outcomes (PSOs):** Programme Outcomes are a set of **narrow statements** that describes what students (learners) of a particular specialization of the programme are expected to know and be able to perform or attain **by the time of graduation**. PSOs are also a function of the various course combinations offered by the Institute.

**2.1.6 Learning Outcomes:** A learning outcome is what a student CAN DO as a result of a learning experience. It describes a **specific task** that he/she is able to perform at a **given level of competence under a certain situation**. The three broad types of learning outcomes are:

- a) Disciplinary knowledge and skills
- b) Generic skills
- c) Attitudes and values

**2.1.7 Course Outcomes (COs):** A set of specific statements that describes the **complex performances** a student should be capable of as a result of learning experiences within a course.

**2.1.8 Teaching and Learning Activities (TLAs):** The set of **pedagogical tools and techniques** or the teaching and learning activities that aim to **help students to attain** the intended learning outcomes and engage them in these learning activities through the teaching process.

**2.1.9 Outcome Based Assessment (OBA):** An assessment system that asks course teachers to first identify what it is that we expect students to be able to do once they have completed a course or program. It then asks course teachers to provide evidence that they are able to do so. In other words, how will each learning outcome be assessed? What **evidence of student learning** is most relevant for each learning outcome and **what standard or criteria** will be used to evaluate that evidence? Assessment is therefore a key part of outcome-based education and used to determine whether or not a qualification has been achieved.

**2.2 Credit:** *In terms of credits, for a period of one semester of 15 weeks:*

<sup>1</sup> Graduation refers to passing out of the MBA programme. Graduation does NOT refer to other degrees e.g. BA, BE, etc.



- a) every ONE hour session per week of L amounts to 1 credit per semester
- b) a minimum of TWO hours per week of T amounts to 1 credit per semester,
- c) a minimum of TWO hours per week of P amounts to 1 credit per semester,

Each credit is a combination of 3 components viz. Lecture (L) + Tutorials (T) + Practice (Practical / Project Work / Self Study) (P) i.e. LTP Pattern. Indicative LTP, for each course, is documented in the syllabus.

The course teacher may modify the LTP of the course in view of the course requirements, nature of the course, the level of learners and the type of pedagogy and assessment tools proposed. The modified LTP shall have to be approved by the Director / Head of the Department / Designated academic authority of the Institute.

- 2.3 **Session:** Each teaching-learning, evaluation session shall be of 60 minutes. However, institutes shall have the flexibility to define their time slots in a manner as to use their faculty and infrastructure resources in the best possible way and ensure effective learning.
- 2.4 **Course Announcement:** The institute shall announce the elective courses and specializations it proposes to offer the students out of the wider course basket. It is not mandatory to offer all the specializations and all the electives. The decision of the Director shall be final in this case. However, in the spirit of Choice Based Credit System, institutes should offer choices to the students for the elective courses and not offer only the minimum number of electives.
- 2.5 **Course Registration:** It is mandatory for every student, to register every semester, for the courses opted for that semester. Each student, on admission shall be assigned to a Faculty Advisor who shall advise her/him about the academic programs and counsel on the choice of courses considering the student's profile, career goals and courses taken in the earlier semesters. With the advice and consent of the Faculty Advisor, the student shall register for a set of courses he/she plans to take up for the Semester. Students shall have to register for the courses for the semester within first week of Semester I and immediately after conclusion of the preceding term for subsequent Semesters II, III and IV.

### 3.0 MBA Programme Focus:

#### 3.1 Programme Educational Objectives (PEOs):

1. **PEO1:** Graduates of the MBA program will successfully integrate core, cross-functional and inter-disciplinary aspects of management theories, models and frameworks with the real world practices and the sector specific nuances to provide solutions to real world business, policy and social issues in a dynamic and complex world.
2. **PEO2:** Graduates of the MBA program will possess excellent communication skills, excel in cross-functional, multi-disciplinary, multi-cultural teams, and have an appreciation for local, domestic and global contexts so as to manage continuity, change, risk, ambiguity and complexity.
3. **PEO3:** Graduates of the MBA program will be appreciative of the significance of Indian ethos and values in managerial decision making and exhibit value centered leadership.
4. **PEO4:** Graduates of the MBA program will be ready to engage in successful career pursuits covering a broad spectrum of areas in corporate, non-profit organizations, public policy, entrepreneurial ventures and engage in life-long learning.
5. **PEO5:** Graduates of the MBA program will be recognized in their chosen fields for their managerial competence, creativity & innovation, integrity & sensitivity to local and global issues of social relevance and earn the trust & respect of others as inspiring, effective and ethical leaders, managers, entrepreneurs, intrapreneurs and change agents.

#### 3.2 Programme Outcomes (POs): At the end of the MBA programme the learner will possess the

1. **Generic and Domain Knowledge** - Ability to articulate, illustrate, analyze, synthesize and apply the knowledge of principles and frameworks of management and allied domains to the solutions of real-world complex business issues
2. **Problem Solving & Innovation** - Ability to identify, formulate and provide innovative solution frameworks to real world complex business and social problems by systematically applying modern quantitative and qualitative problem solving tools and techniques.





3. **Critical Thinking** - Ability to conduct investigation of multidimensional business problems using research based knowledge and research methods to arrive at data driven decisions
4. **Effective Communication** - Ability to effectively communicate in cross-cultural settings, in technology mediated environments, especially in the business context and with society at large
5. **Leadership and Team Work** - Ability to collaborate in an organizational context and across organizational boundaries and lead themselves and others in the achievement of organizational goals and optimize outcomes for all stakeholders.
6. **Global Orientation and Cross-Cultural Appreciation:** Ability to approach any relevant business issues from a global perspective and exhibit an appreciation of Cross Cultural aspects of business and management.
7. **Entrepreneurship** - Ability to identify entrepreneurial opportunities and leverage managerial & leadership skills for founding, leading & managing startups as well as professionalizing and growing family businesses.
8. **Environment and Sustainability** - Ability to demonstrate knowledge of and need for sustainable development and assess the impact of managerial decisions and business priorities on the societal, economic and environmental aspects.
9. **Social Responsiveness and Ethics** - Ability to exhibit a broad appreciation of the ethical and value underpinnings of managerial choices in a political, cross-cultural, globalized, digitized, socio-economic environment and distinguish between ethical and unethical behaviors & act with integrity.
10. **Lifelong Learning** - Ability to operate independently in new environment, acquire new knowledge and skills and assimilate them into the internalized knowledge and skills.

**3.3 Programme Specific Outcomes (PSOs):** It is expected that Institutes define the PSOs for each specialization / major-minor combination. PSOs shall also vary based upon the customized combination of Generic Core, Generic Elective, Subject Core, Subject Elective, Foundation, Enrichment & Alternative Study Credit Courses that they offer.

**3.4 Graduate Attributes (GAs):** At the end of the MBA programme the learner shall exhibit:

- GA1: Managerial competence
- GA2: Proficiency in Communication, Collaboration, Teamwork and Leadership
- GA3: Competence in Creativity & Innovation
- GA4: Research Aptitude, Scholarship & Enquiry
- GA5: Global Orientation
- GA6: Proficiency in ICT & Digital Literacy
- GA7: Entrepreneurship & Intrapreneurship Orientation
- GA8: Cross-functional & Inter-disciplinary Orientation
- GA9: Results Orientation
- GA10: Professionalism, Ethical, Values Oriented & Socially Responsible behaviour
- GA11: Life-Long Learning Orientation

**4.0 MBA Programme Course Types & Evaluation Pattern:**

Sr.No.	Course Type	Credits	Nature	Comprehensive Concurrent Evaluation (CCE)	End Semester Evaluation (ESE) Marks	Total Marks
<b>BASIC COURSE TYPES</b>						
1	Generic Core (GC)	3	Compulsory	50	50	100
2	Subject Core (SC)	3	Compulsory (Specialization specific)	50	50	100
3	Generic Elective (GE - UL)	2	Elective	0	50	50
4	Generic Elective (GE - IL)	2	Elective	50	0	50
5	Subject Elective (SE - IL)	2	Elective (Specialization specific)	50	0	50
6	Summer Internship Project (SIP)	6	Project (Compulsory)	50	50	100
<b>ADDITIONAL COURSE TYPES</b>						
1	Enrichment Courses (ENR)	1	Elective	25	0	25





**Course Outcomes (CO's) of MBA  
2020 Pattern Syllabus**

**Generic Core Courses (Compulsory) - Semester I & II**

Semester I		101 – Managerial Accounting
3 Credits	LTP: 2:1:1	Compulsory Generic Core Course

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO101.1	REMEMBERING	DESCRIBE the basic concepts related to Accounting, Financial Statements, Cost Accounting, Marginal Costing, Budgetary Control and Standard Costing
CO101.2	UNDERSTANDING	EXPLAIN in detail, all the theoretical concepts taught through the syllabus.
CO101.3	APPLYING	PERFORM all the necessary calculations through the relevant numerical problems.
CO101.4	ANALYSING	ANALYSE the situation and decide the key financial as well as non-financial elements involved in the situation.
CO101.5	EVALUATING	EVALUATE the financial impact of the decision.

Semester I		102 - Organizational Behavior
3 Credits	LTP: 2:1:1	Compulsory Generic Core Course

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO102.1	REMEMBERING	DESCRIBE the major theories, concepts, terms, models, frameworks and research findings in the field of organizational behavior.
CO102.2	UNDERSTANDING	EXPLAIN the implications of organizational behavior from the perspectives of employees, managers, leaders and the organization.
CO102.3	APPLYING	MAKE USE OF the Theories, Models, Principles and Frameworks of organizational behavior in specific organizational settings.
CO102.4	ANALYSING	DECONSTRUCT the role of individual, groups, managers and leaders in influencing how people behave and in influencing organizational culture at large.
CO102.5	EVALUATING	FORMULATE approaches to reorient individual, team, managerial and leadership behavior in order to achieve organizational goals.
CO102.6	CREATING	ELABORATE UPON the challenges in shaping organizational behavior, organizational culture and organizational change.

Semester I		103 – Economic Analysis for Business Decisions
3 Credits	LTP: 2:1:1	Compulsory Generic Core Course

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO103.1	REMEMBERING	DEFINE the key terms in micro-economics.
CO103.2	UNDERSTANDING	EXPLAIN the key terms in micro-economics, from a managerial perspective.
CO103.3	APPLYING	IDENTIFY the various issues in an economics context and DEMONSTRATE their significance from the perspective of business decision making.



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CO103.4	ANALYSING	EXAMINE the inter-relationships between various facets of micro-economics from the perspective of a consumer, firm, industry, market, competition and business cycles.
CO103.5	EVALUATING	DEVELOP critical thinking based on principles of micro-economics for informed business decision making.
CO103.6	CREATING	ANTICIPATE how other firms in an industry and consumers will respond to economic decisions made by a business, and how to incorporate these responses into their own decisions.
<b>Semester I</b>		<b>104 - Business Research Methods</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Compulsory Generic Core Course</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO104.1	REMEMBERING	DEFINE various concepts & terms associated with scientific business research.
CO104.2	UNDERSTANDING	EXPLAIN the terms and concepts used in all aspects of scientific business research.
CO104.3	APPLYING	MAKE USE OF scientific principles of research to SOLVE contemporary business research problems.
CO104.4	ANALYSING	EXAMINE the various facets of a research problem and ILLUSTRATE the relevant aspects of the research process from a data driven decision perspective.
CO104.5	EVALUATING	JUDGE the suitability of alternative research designs, sampling designs, data collection instruments and data analysis options in the context of a given real-life business research problem from a data driven decision perspective.
CO104.6	CREATING	FORMULATE alternative research designs, sampling designs, data collection instruments, testable hypotheses, data analysis strategies and research reports to address real-life business research problems.

<b>Semester I</b>		<b>105 – Basics of Marketing</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Compulsory Generic Core Course</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO105.1	REMEMBERING	RECALL and REPRODUCE the various concepts, principles, frameworks and terms related to the function and role of marketing.
CO105.2	UNDERSTANDING	DEMONSTRATE the relevance of marketing management concepts and frameworks to a new or existing business across wide variety of sectors and ILLUSTRATE the role that marketing plays in the 'tool kit' of every organizational leader and manager.
CO105.3	APPLYING	APPLY marketing principles and theories to the demands of marketing function and practice in contemporary real world scenarios.
CO105.4	ANALYSING	EXAMINE and LIST marketing issues pertaining to segmentation, targeting and positioning, marketing environmental forces, consumer buying behavior, marketing mix and Product Life Cycle in the context of real world marketing offering (commodities, goods, services, e-products/ e-services).



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CO105.5	EVALUATING	EXPLAIN the interrelationships between segmentation, targeting and positioning, marketing environment, consumer buying behavior, marketing mix and Product Life Cycle with real world examples.
CO105.6	CREATING	DISCUSS alternative approaches to segmentation, targeting and positioning, the marketing environment, consumer buying behavior, marketing mix and Product Life Cycle in the context of real world marketing offering (commodities, goods, services, e-products/ e-services.).

<b>Semester I</b>		<b>106 – Digital Business</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Compulsory Generic Core Course</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO106.1	REMEMBERING	DESCRIBE the conceptual framework of e commerce, mobile commerce and social commerce.
CO106.2	UNDERSTANDING	SUMMARIZE the impact of information, mobile, social, digital, IOT and related technologies on society, markets & commerce.
CO106.3	APPLYING	ILLUSTRATE value creation & competitive advantage in a digital Business environment.
CO106.4	ANALYSING	EXAMINE the changing role of intermediaries, changing nature of supply chain and payment systems in the online and offline world.
CO106.5	EVALUATING	ELABORATE upon the various types of digital business models and OUTLINE their benefits and limitations.
CO106.6	CREATING	DISCUSS the various applications of Digital Business in the present day world.

**Digital Business Applications - I: Electronic Retailing: B2C Electronic Retailing, Characteristics, Advantages,**

<b>Semester II</b>		<b>201 – Marketing Management</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Compulsory Generic Core Course</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO201.1	REMEMBERING	DESCRIBE the key terms associated with the 4 Ps of marketing.
CO201.2	UNDERSTANDING	COMPARE and CONTRAST various approaches to pricing for a real world marketing offering (commodities, goods, services, e-products/ e-services.)
CO201.3	APPLYING	DEMONSTRATE an understanding of various channel options for a real world marketing offering (commodities, goods, services, e-products/ e-services.)
CO201.4	ANALYSING	EXAMINE the product line of a real world marketing offering (commodities, goods, services, e-products/ e-services.)
CO201.5	EVALUATING	EXPLAIN the role of various communication mix elements for a real world marketing offering (commodities, goods, services, e-products/ e-services.)



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CO201.6	CREATING	DESIGN a marketing plan for a real world marketing offering (commodities, goods, services, e-products/ e-services.)
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Semester II		202 – Financial Management
3 Credits	LTP: 2:1:1	Compulsory Generic Core Course

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO202.1	REMEMBERING	DESCRIBE the basic concepts related to Financial Management, Various techniques of Financial Statement Analysis, Working Capital, Capital Structure, Leverages and Capital Budgeting.
CO202.2	UNDERSTANDING	EXPLAIN in detail all theoretical concepts throughout the syllabus.
CO202.3	APPLYING	PERFORM all the required calculations through relevant numerical problems.
CO202.4	ANALYSING	ANALYZE the situation and <ul style="list-style-type: none"> <li>• comment on financial position of the firm</li> <li>• estimate working capital required</li> <li>• decide ideal capital structure</li> <li>• evaluate various project proposals</li> </ul>
CO202.5	EVALUATING	EVALUATE impact of business decisions on Financial Statements, Working Capital, Capital Structure and Capital Budgeting of the firm

Semester II		203 – Human Resource Management
3 Credits	LTP: 2:1:1	Compulsory Generic Core Course

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO203.1	REMEMBERING	DESCRIBE the role of Human Resource Function in an Organization.
CO203.2	REMEMBERING	ENUMERATE the emerging trends and practices in HRM.
CO203.3	UNDERSTANDING	ILLUSTRATE the different methods of HR Acquisition and retention.
CO203.4	APPLYING	DEMONSTRATE the use of different appraisal and training methods in an Organization.
CO203.5	ANALYSING	OUTLINE the compensation strategies of an organization
CO203.6	EVALUATING	INTERPRET the sample job descriptions and job specifications for contemporary entry level roles in real world organizations.

Semester II		204 – Operations & Supply Chain Management
3 Credits	LTP: 2:1:1	Compulsory Generic Core Course

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO204.1	REMEMBERING	DEFINE basic terms and concepts related to Production, Operations, Services, Supply Chain and Quality Management.



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CO204.2	UNDERSTANDING	EXPLAIN the process characteristics and their linkages with process-product matrix in a real world context.
CO204.3	APPLYING	DESCRIBE the various dimensions of production planning and control and their inter-linkages with forecasting.
O204.4	ANALYSING	CALCULATE inventory levels and order quantities and MAKE USE OF various inventory classification methods.
CO204.5	EVALUATING	OUTLINE a typical Supply Chain Model for a product / service and ILLUSTRATE the linkages with Customer Issues, Logistic and Business Issues in a real world context.
CO204.6	CREATING	ELABORATE upon different operational issues in manufacturing and services organizations where the decision-making element is emphasized.

<b>Semester I</b>		<b>107 – Management Fundamentals</b>
	<b>Generic Courses (Electives)</b>	<b>University Level – Semester I &amp; II</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO107.1	REMEMBERING	ENUMERATE various managerial competencies and approaches to management.
CO107.2	UNDERSTANDING	EXPLAIN the role and need of Planning, Organizing, Decision Making and Controlling.
CO107.3	APPLYING	MAKE USE OF the principles of goal setting and planning for simple as well as complex tasks and small projects.
CO107.4	ANALYSING	COMPARE and CONTRAST various organizational structures of variety of business and not-for-profit entities in a real world context.
CO107.5	EVALUATING	BUILD a list of the decision making criteria used by practicing managers, leaders and entrepreneurs in routine and non-routine decision making situations and EVALUATE and EXPLAIN the same.
CO107.6	CREATING	FORMULATE and DISCUSS a basic controlling model in a real life business, start-up and not-for-profit organizational context.

<b>Semester I</b>		<b>108 – Indian Economy</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO108.1	REMEMBERING	DESCRIBE the present state of Indian Economy and LIST major economic policy issues in the current context.
CO108.2	UNDERSTANDING	EXPLAIN the economic development strategy since Independence and DISCUSS the priorities in the current context.
CO108.3	APPLYING	ILLUSTRATE the economic impact of Monetary policy and Fiscal Policy, Economic Reforms, Demographic Transition in India, Changing profile of GDP, Growth and Inequality and Trade Policy in the Indian context.



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CO108.4	ANALYSING	EXAMINE the changing profile of human capital, employment, productivity and ILLUSTRATE the linkages with Soft Infrastructure, growth of Start-ups, GDP composition of India.
CO108.5	EVALUATING	DETERMINE the key priority areas, across various dimensions, for the Indian Economy in the context of current economic environment.
CO108.6	CREATING	BUILD a case for co-existence of MNCs, Indian Public Sector, Indian Private Sector, SMEs, MSMEs and Start Ups in the Indian Economy.

Semester I		<b>109 – Entrepreneurship Development</b>
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO109.1	REMEMBERING	DEFINE the key terms, LIST the Attributes and Characteristics of Entrepreneurs features and ENUMERATE the Factors influencing Entrepreneurship Growth.
CO109.2	UNDERSTANDING	DISCUSS various theories of entrepreneurship and the entrepreneurship development ecosystem in Indian context.
CO109.3	APPLYING	APPLY the theories of entrepreneurship and entrepreneurship development framework to analyze and identify entrepreneurial opportunities.
CO109.4	ANALYSING	DISCRIMINATE between potential options available for entrepreneur for embarking on establishing a Start Up
CO109.5	EVALUATING	EVALUATE the start up ecosystem and the entrepreneurial opportunities in light of requirements of a business plan.
CO109.6	CREATING	CREATE a business plan that captures entrepreneurs and variety of entrepreneur motivations, entrepreneur culture and sectoral opportunities and financing options.

Semester I		<b>110 – Essentials of Psychology for Managers</b>
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO110.1	REMEMBERING	DEFINE the basic concepts of psychology.
CO110.2	UNDERSTANDING	EXPLAIN the sensing and perceiving processes.
CO110.3	APPLYING	APPLY principles of learning and conditioning to human behavior.
CO110.4	ANALYSING	ILLUSTRATE the linkages between learning, memory and information processing.
CO110.5	EVALUATING	EXPLAIN the basic intrapersonal processes that influence social perception.

Semester I		<b>111 - Legal Aspects of Business</b>
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE	COURSE OUTCOMES
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	ABILITIES	
CO111.1	REMEMBERING	DESCRIBE the key terms involved in each Act.
CO111.2	UNDERSTANDING	SUMMARIZE the key legal provisions of each Act.
CO111.3	APPLYING	ILLUSTRATE the use of the Acts in common business situations.
CO111.4	ANALYSING	OUTLINE the various facets of basic case laws of each Act from a legal and managerial perspective.
CO111.5	EVALUATING	DEVELOP critical thinking by making judgments related to use of various provisions of the Acts in business situations

Semester I		<b>112 – Demand Analysis and Forecasting</b>
2 Credits	LTP: 2:0:0	<b>Generic Elective – University Level</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO112.1	REMEMBERING	DESCRIBE the key terms associated with demand analysis, demand estimation and demand forecasting.
CO112.2	UNDERSTANDING	SUMMARIZE the use of demand forecasting in various functions of management.
CO112.3	APPLYING	IDENTIFY the pros and cons of various forecasting methods
CO112.4	ANALYSING	DECONSTRUCT a forecast into its various components
CO112.5	EVALUATING	BUILD a forecast for common products and services using time-series data.

Semester II		<b>207 – Contemporary Frameworks in Management</b>
2 Credits	LTP: 2:0:0	<b>Generic Elective – University Level</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO207.1	REMEMBERING	DEFINE Emotional Intelligence (EQ), IDENTIFY the benefits of emotional intelligence and RELATE the 5 Dimensions of Trait EI Model to the practice of emotional intelligence.
CO207.2	UNDERSTANDING	DESCRIBE how companies achieve transition from being good companies to great companies, and DISCUSS why and how most companies fail to make the transition.
CO207.3	APPLYING	APPLY the 21 laws that make leadership work successfully to improve your leadership ability and ILLUSTRATE its positive impact on the whole organization.
CO207.4	ANALYSING	EXAMINE the fundamental causes of organizational politics and team failure.
CO207.5	EVALUATING	EXPLAIN the approach to being effective in attaining goals by aligning oneself to the "true north" principles based on a universal and timeless character ethic.

Semester II		<b>208 - Geopolitics &amp; World Economic Systems</b>
2 Credits	LTP: 2:0:0	<b>Generic Elective – University Level</b>

Course Outcomes: At the end of this course, the learner shall be able to

CO#	COGNITIVE	COURSE OUTCOMES
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ABILITIES		
CO208.1	REMEMBERING	ENUMERATE the various elements of global economic system.
CO208.2	UNDERSTANDING	EXPLAIN the role of key trade organizations in the global economic system.
CO208.3	APPLYING	IDENTIFY the crucial elements of international trade laws.
CO208.4	ANALYSING	ANALYSE the forces that work for and against globalization.
CO208.5	EVALUATING	ASSESS the impact of the elements of the Global Economic System on the India Economy.

Semester II		209 - Start Up and New Venture Management
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO209.1	REMEMBERING	DESCRIBE the strategic decisions involved in establishing a startup.
CO209.2	UNDERSTANDING	EXPLAIN the decision making matrix of entrepreneur in establishing a startup.
CO209.3	APPLYING	IDENTIFY the issues in developing a team to establish and grow a startup
CO209.4	ANALYSING	FORMULATE a go to market strategy for a startup.
CO209.5	EVALUATING	DESIGN a workable funding model for a proposed startup.
CO209.6	CREATING	DEVELOP a convincing business plan description to communicate value of the new venture to customers, investors and other stakeholders.

Semester II		210 – Qualitative Research Methods
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOME
CO210.1	REMEMBERING	ENUMERATE the key terms associated with Qualitative research approach.
CO210.2	UNDERSTANDING	COMPARE and CONTRAST Qualitative research approach with the Quantitative approach.
CO210.3	APPLYING	CONSTRUCT appropriate research and sampling designs for Qualitative research work in real world business and non-business contexts
CO210.4	ANALYSING	ILLUSTRATE the use of appropriate qualitative research methods in real world business and non-business contexts.
CO210.5	EVALUATING	EVALUATE the quality of Qualitative Research work
CO210.6	CREATING	COMBINE Qualitative and Quantitative research approaches in a real world research project.

Semester II		211 – Business, Government & Society
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOME
CO211.1	REMEMBERING	DESCRIBE the economic roles of government in the Indian context.



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CO211.2	UNDERSTANDING	EXPLAIN the macroeconomic crises around the world.
CO211.3	APPLYING	ILLUSTRATE the inter linkages between economic growth, poverty and inequality.
CO211.4	ANALYSING	EXAMINE the rationale, success and failures of Public Private Partnerships in the Indian context.
CO211.5	EVALUATING	ASSESS the forces for and against Globalization and the socio-economic impact of Globalization.
CO211.6	CREATING	DISCUSS the interplay between technology, business and society.
<b>Semester II</b>		<b>212 - Business Process Reengineering</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO212.1	REMEMBERING	DEFINE the key terms associated with Business Process Reengineering.
CO212.2	UNDERSTANDING	EXPLAIN the various supporting and opposing forces to Business Process Reengineering in simple business situations.
CO212.3	APPLYING	APPLY modeling tools for simple business processes.
CO212.4	ANALYSING	FORMULATE a working plan to establish a Business Process Reengineering team.
CO212.5	EVALUATING	EVALUATE the success of a BPR initiative in relation to the impact on organizational KPIs.
CO212.6	CREATING	IMAGINE ways to improve business or non-business processes.

**Generic Courses (Electives) – Institute Level – Semester I & II**

<b>Semester I</b>		<b>113 - Verbal Communication Lab</b>
<b>2 Credits</b>	<b>LTP: 0:3:1</b>	<b>Generic Elective – Institute Level</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO113.1	REMEMBERING	RECOGNIZE the various elements of communication, channels of communication and barriers to effective communication.
CO113.2	UNDERSTANDING	EXPRESS themselves effectively in routine and special real world business interactions.
CO113.3	APPLYING	DEMONSTRATE appropriate use of body language.
CO113.4	ANALYSING	TAKE PART IN professional meetings, group discussions, telephonic calls, elementary interviews and public speaking activities.
CO113.5	EVALUATING	APPRAISE the pros and cons of sample recorded verbal communications in a business context.
CO113.6	CREATING	CREATE and DELIVER effective business presentations, using appropriate technology tools, for common business situations.

<b>Semester I</b>		<b>114 - Enterprise Analysis - Desk Research</b>
<b>2 Credits</b>	<b>LTP: 0:3:1</b>	<b>Generic Elective – Institute Level</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
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COI14.1	REMEMBERING	DESCRIBE the key historical, organizational, market related, financial, governance, leadership and social responsibility dimensions of a real world business organization.
COI14.2	UNDERSTANDING	SUMMARIZE the regional, national and global footprint of a real world business organization.
COI14.3	APPLYING	DEMONSTRATE the use of secondary – offline and online resources to profile a real world business organization.
COI14.4	ANALYSING	ANALYSE, using tables and charts, the trends in market standing and financial performance of a real world business organization over the last 5 years.
COI14.5	EVALUATING	COMPOSE a succinct summary of future plans of a real world business organization the company website, shareholders reports and other information available in the public domain.
COI14.6	CREATING	IMAGINE the key challenges and opportunities for a real world business organization in the immediate future (1 to 3 years).

Semester I		115 - Selling & Negotiations Skills Lab
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
COI15.1	REMEMBERING	DESCRIBE the various selling situations and selling types.
COI15.2	UNDERSTANDING	OUTLINE the pre-sales work to be carried out by a professional salesperson.
COI15.3	APPLYING	IDENTIFY the key individuals involved in a real world sales process for a real world product/ service / e-product / e-service.
COI15.4	ANALYSING	FORMULATE a sales script for a real world sales call for a product/ service / e- product / e-service.
COI15.5	EVALUATING	DECONSTRUCT the pros and cons of sample real world sales calls for a product/ service / e-product / e-service.
COI15.6	CREATING	DEVELOP a sales proposal for a real world product/ service / e-product / e- service and for a real world selling situation.

Semester I		116 - MS Excel
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
COI16.1	REMEMBERING	SELECT appropriate menus and functions of MS Excel to Create, Format, Import, Merge, Save, Print Spreadsheets & Charts using business data.
COI16.2	UNDERSTANDING	SHOW how to do basic troubleshooting and fix mistakes most people make when working with spreadsheets.
COI16.3	APPLYING	USE various functions of MS Excel, Execute pivot table analysis, common (and powerful functions), and different types of lookups (vlookup, hlookup, and index/match).
COI16.4	ANALYSING	ILLUSTRATE the use of the most commonly used data-manipulation



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4		commands in MS Excel.
CO116.5	EVALUATING	DERIVE insights from multiple data sources in MS EXCEL and work with it to answer relevant business questions.
CO116.6	CREATING	CREATE standard Excel Templates for routine business data management and analysis activities.

Semester 1		117 - Business Systems and Procedures
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO117.1	REMEMBERING	TABULATE the key elements of a typical business system and related work flow procedures.
CO117.2	UNDERSTANDING	EXPLAIN a business system and related procedures.
CO117.3	APPLYING	PREDICT the fail points / bottle necks in a typical business process.
CO117.4	ANALYSING	BREAK DOWN a business system into simpler components and explain the inter- relationships.
CO117.5	EVALUATING	DEVELOP a process based thinking approach.
CO117.6	CREATING	CREATE standard operating procedures and flow charts / other visual representations for typical business systems and processes.

Semester 1		118 - Managing Innovation
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO118.1	REMEMBERING	DESCRIBE the key ideas relevant to innovation, intellectual property, business models
CO118.2	UNDERSTANDING	INTERPRET the various theories of innovation and EXPLAIN with examples the types of innovation.
CO118.3	APPLYING	EXPERIMENT WITH innovation as a systematic process and generate innovative ideas for new products and services.
CO118.4	ANALYSING	DISSECT contemporary start-up businesses for their business models, extent of innovation, success and failure.
CO118.5	EVALUATING	CREATE an inventory of product and process innovations for daily use consumer products and routine business processes in a typical organization.
CO118.6	CREATING	CREATE a potential list of innovation needs for India in the local, regional and national context and ASSESS the likelihood of constructing a business model around these needs in the current local, regional and national context.

Semester 1		119 - Foreign Language I
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE	COURSE OUTCOMES
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ABILITIES		
CO119.1	REMEMBERING	RECALL and SPELL simple words in the foreign language
CO119.2	UNDERSTANDING	TRANSLATE simple sentences from English to the foreign language and vice-versa.
CO119.3	APPLYING	CONSTRUCT a dialogue, in the foreign language, for basic human interactions in a social context.
CO119.4	ANALYSING	TAKE PART IN an interaction in a non-business setting using the foreign language.
CO119.5	EVALUATING	INTERPRET a short write up written in the foreign language.

Semester II		213 - Written Analysis and Communication Lab
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO213.1	REMEMBERING	DESCRIBE stages in a typical communication cycle and the barriers to effective communication.
CO213.2	UNDERSTANDING	SUMMARIZE long essays and reports into précis and executive summaries.
CO213.3	APPLYING	USE Dictionary and Thesaurus to draft and edit a variety of business written communication.
CO213.4	ANALYSING	EXAMINE sample internal communications in a business environment for potential refinements.
CO213.5	EVALUATING	COMPOSE variety of letters, notices, memos and circulars.

Semester II		214 - Industry Analysis - Desk Research
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO214.1	REMEMBERING	DESCRIBE the key characteristics of the players in an industry.
CO214.2	UNDERSTANDING	SUMMARIZE the management ethos and philosophy of the players in the industry.
CO214.3	APPLYING	DEMONSTRATE an understanding of the regulatory forces acting on the industry.
CO214.4	ANALYSING	COMPARE and CONTRAST, using tables and charts, the market and financial performance of the players in an industry.
CO214.5	EVALUATING	ASSESS the impact of recent developments on the industry and its key players.
CO214.6	CREATING	PREDICT the future trajectory of the evolution of the industry in the immediate future (1 to 3 years).

Semester II		215 – Entrepreneurship Lab
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE	COURSE OUTCOMES
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ABILITIES		
CO215.1	REMEMBERING	IDENTIFY a basket of potential business opportunities in the local, regional or national context.
CO215.2	UNDERSTANDING	COMPARE and CONTRAST the shortlisted business opportunities to SELECT the most suitable / promising opportunity.
CO215.3	APPLYING	DEVELOP a business model around the shortlisted business opportunity.
CO215.4	ANALYSING	FORMULATE the organization structure for the proposed start up
CO215.5	EVALUATING	EVALUATE the market potential and ESTIMATE the financing requirements for the initial 1 to 3 years after launch.
CO215.6	CREATING	CREATE a proposal for funding the start up.

Semester II		216 - SPSS
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO216.1	REMEMBERING	IDENTIFY the key menus of SPSS and DESCRIBE their functionality.
CO216.2	UNDERSTANDING	EXPLAIN the main features of SPSS
CO216.3	APPLYING	MAKE USE OF various tools to manage data, describe data and display graphical output using SPSS.
CO216.4	ANALYSING	ANALYSE data using various statistical tests of SPSS
CO216.5	EVALUATING	INTERPRET and EXPLAIN the outputs from SPSS
CO216.6	CREATE	DESIGN, DEVELOP and TEST advanced multivariate models using SPSS.

Semester II		217 - Foreign Language II
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO217.1	REMEMBERING	LISTEN to simple audio-visual recordings in the foreign language.
CO217.2	UNDERSTANDING	TRANSLATE simple letters from English to the foreign language and vice-versa.
CO217.3	APPLYING	CONSTRUCT a business email, in the foreign language.
CO217.4	ANALYSING	TAKE PART IN an interaction in a business setting using the foreign language.
CO217.5	EVALUATING	COMPOSE a covering letter and resume in the foreign language.



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**Subject Core (SC) Courses - Semester II**  
**Specialization: Marketing Management**

<b>Semester II</b>		<b>205MKT: Marketing Research</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Marketing Management</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO205MKT.1	REMEMBERING	IDENTIFY and DESCRIBE the key steps involved in the marketing research process.
CO205MKT.2	UNDERSTANDING	COMPARE and CONTRAST various research designs, data sources, data collection instruments, sampling methods and analytical tools and SUMMARIZE their strengths & weaknesses.
CO205MKT.3	APPLYING	DEMONSTRATE an understanding of the ethical framework that market research needs to operate within.
CO205MKT.4	ANALYSING	ANALYSE quantitative data and draw appropriate Inferences to address a real life marketing issue.
CO205MKT.5	EVALUATING	DESIGN a market research proposal for a real life marketing research problem and EVALUATE a market research proposal.
CO205MKT.6	CREATING	PLAN and UNDERTAKE qualitative or quantitative Market Research and demonstrate the ability to appropriately analyse data to resolve a real life marketing issue.

<b>Semester II</b>		<b>206MKT: Consumer Behavior</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Marketing Management</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO206MKT.1	REMEMBERING	ENUMERATE social and psychological factors and their influence his/her behavior as a consumer.
CO206MKT.2	UNDERSTANDING	EXPLAIN fundamental concepts associated with consumer and organizational buying behavior.
CO206MKT.3	APPLYING	APPLY consumer behavior concepts to real world strategic marketing management decision making.
CO206MKT.4	ANALYSING	ANALYSE the dynamics of human behavior and the basic factors that influence the consumer's decision process.
CO206MKT.5	EVALUATING	EXPLAIN the consumer and organizational buying behavior process for a variety of products (goods/services).
CO206MKT.6	CREATING	DISCUSS the use of the Internet, e-commerce & information technology with respect to the changing consumer marketplace and ELABORATE on the various aspects of the changing Indian Consumer.

**Subject Core (SC) Courses - Semester II**  
**Specialization: Financial Management**

<b>Semester II</b>		<b>205FIN: Financial Markets and Banking Operations</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Financial Management</b>

**Course Outcomes: On successful completion of the course the learner will be able to**



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CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO205FIN.1	REMEMBERING	RECALL the structure and components of Indian financial system through banking operations & Financial Markets.
CO205FIN.2	UNDERSTANDING	UNDERSTAND the concepts of financial markets, their working and importance.
CO205FIN.3	APPLYING	ILLUSTRATE the working and contribution of Banks and NBFCs to the Indian Economy.
CO205FIN.4	ANALYSING	ANALYZE the linkages in the Financial Markets.
CO205FIN.5	EVALUATING	EXPLAIN the various banking and accounting transactions.
CO205FIN.6	CREATING	DEVELOP necessary competencies expected of a finance professional.

Semester II		<b>206FIN: Personal Financial Planning</b>
3 Credits	LTP: 2:1:1	<b>Subject Core (SC) Course – Financial Management</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO206FIN.1	REMEMBERING	UNDERSTAND the need and aspects of personal financial planning
CO206FIN.2	UNDERSTANDING	Describe the investment options available to an individual
CO206FIN.3	APPLYING	IDENTIFY types of risk and means of managing it
CO206FIN.4	ANALYSING	DETERMINE the ways of personal tax planning
CO206FIN.5	EVALUATING	EXPLAIN retirement and estate planning for an individual and design a financial plan.
CO206FIN.6	CREATING	CREATE a financial plan for a variety of individuals.

**Subject Core (SC) Courses - Semester II**  
**Specialization: Operations & Supply Chain Management**

Semester II		<b>205OSCM: Service Operations Management – I</b>
3 Credits	LTP: 2:1:1	<b>Subject Core (SC) Course – Operations &amp; Supply Chain Management</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO205OSCM.1	REMEMBERING	DESCRIBE the nature and CHARACTERISTICS of services and the services economy.
CO205OSCM.2	UNDERSTANDING	DESCRIBE the service design elements of variety of services.
CO205OSCM.3	APPLYING	USE service blueprinting for mapping variety of real life service processes.
CO205OSCM.4	ANALYSING	ANALYSE alternative locations and sites for variety of service facilities.
CO205OSCM.5	EVALUATING	JUDGE and EXPLAIN the service orientation at variety of service facilities / organizations.
CO205OSCM.6	CREATING	CREATE flow process layouts for variety of services.

Semester II		<b>206OSCM: Supply Chain Management</b>
3 Credits	LTP: 2:1:1	<b>Subject Core (SC) Course – Operations &amp; Supply Chain Management</b>

Course Outcomes: On successful completion of the course the learner will be able to



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CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO206OSCM.1	REMEMBERING	DESCRIBE the key concepts of Supply Chain Management and the – driving forces in contemporary Supply Chain Management.
CO206OSCM.2	UNDERSTANDING	EXPLAIN the structure of modern day supply chains.
CO206OSCM.3	APPLYING	IDENTIFY the various flows in real world supply chains.
CO206OSCM.4	ANALYSING	COMPARE and CONTRAST push and pull strategies in Supply Chain Management.
CO206OSCM.5	EVALUATING	EXPLAIN the key Operational Aspects in Supply Chain Management.
CO206OSCM.6	CREATING	DISCUSS the relationship between Customer Value and Supply Chain Management.

**Subject Core (SC) Courses - Semester II**  
**Specialization: Business Analytics**

<b>Semester II</b>		<b>205BA: Basic Business Analytics using R</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Business Analytics</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO205BA.1	REMEMBERING	IDENTIFY opportunities for creating value using business analytics and DESCRIBE the basic concepts in Business Analytics, DATA Science and Business Intelligence.
CO205BA.2	UNDERSTANDING	EXPLAIN the applications of Business Analytics in multiple business domains and scenarios.
CO205BA.3	APPLYING	DEVELOP a thought process to think like a data scientist/business analyst.
CO205BA.4	ANALYSING	ANALYZE data graphically by creating a variety of plots using the appropriate visualization tools of R.
CO205BA.5	EVALUATING	SELECT the right functions of R for the given analytics task.
CO205BA.6	CREATING	COMBINE various tools and functions of R programming language and use them in live analytical projects in multiple business domains and scenarios.

<b>Semester II</b>		<b>206BA: Data Mining</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Business Analytics</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO206BA.1	REMEMBERING	DEFINE the key terms associated with Data Mining
CO206BA.2	UNDERSTANDING	EXPLAIN the various aspects of Data
CO206BA.3	APPLYING	APPLY classification models
CO206BA.4	ANALYSING	ANALYSE using clustering models
CO206BA.5	EVALUATING	SELECT appropriate association analysis and anomaly detection tools.
CO206BA.6	CREATING	COMBINE various data mining tools and use them in live analytical projects in business scenarios.



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**Generic Core (GC) Courses - Semester III**

<b>Semester III</b>		<b>301- Strategic Management</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Compulsory Generic Core Course</b>
<b>Course Outcomes: On successful completion of the course the learner will be able to</b>		
<b>CO#</b>	<b>COGNITIVE ABILITIES</b>	<b>COURSE OUTCOMES</b>
CO301.1	REMEMBERING	DESCRIBE the basic terms and concepts in Strategic Management.
CO301.2	UNDERSTANDING	EXPLAIN the various facets of Strategic Management in a real world context.
CO301.3	UNDERSTANDING	DESCRIBE the trade-offs within and across strategy formulation, implementation, appraisal.
CO301.4	APPLYING	INTEGRATE the aspects of various functional areas of management to develop a strategic perspective.
CO301.5	ANALYSING	EXPLAIN the nature of the problems and challenges confronted by the top management team and the approaches required to function effectively as strategists.
CO301.6	CREATING	DEVELOP the capability to view the firm in its totality in the context of its environment.

<b>Semester III</b>		<b>302- Decision Science</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Compulsory Generic Core Course</b>

<b>CO#</b>	<b>COGNITIVE ABILITIES</b>	<b>COURSE OUTCOMES</b>
CO302.1	REMEMBERING	DESCRIBE the concepts and models associated with Decision Science.
CO302.2	UNDERSTANDING	UNDERSTAND the different decision-making tools required to achieve optimisation in business processes.
CO302.3	UNDERSTANDING	APPLY appropriate decision-making approach and tools to be used in business environment.
CO302.4	APPLYING	ANALYSE real life situation with constraints and examine the problems using different decision-making tools
CO302.5	ANALYSING	EVALUATE the various facets of a business problem and develop problem solving ability
CO302.6	CREATING	DISCUSS & propose the various applications of decision tools in the present business scenario.

**Generic Core (GC) Courses - Semester IV**

<b>Semester IV</b>		<b>401 - Enterprise Performance Management</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Compulsory Generic Core Course</b>

<b>CO#</b>	<b>COGNITIVE ABILITIES</b>	<b>COURSE OUTCOMES</b>
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CO401.1	REMEMBERING	Enumerate the different parameters & facets of management control of an enterprise.
CO401.2	UNDERSTANDING	Illustrate the various techniques of enterprise performance management for varied sectors.
CO401.3	UNDERSTANDING	Determine the applicability of various tools and metrics as a performance evaluation & management tools.
CO401.4	APPLYING	Analyse the key financial & non-financial attributes to evaluate enterprise performance.
CO401.5	ANALYSING	Formulate the various parameters to evaluate enterprise performance effectively through implementation of strategy.

Semester IV		<b>402 – Indian Ethos &amp; Business Ethics</b>
3 Credits	LTP: 2:1:1	<b>Compulsory Generic Core Course</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO402.1	REMEMBERING	DESCRIBE major theories, concepts, terms, models and framework of Indian ethos and business ethics. DISCOVER the contemporary Issues in Business Ethics
CO402.2	UNDERSTANDING	CLASSIFY and RECOGNIZE Karma, Karma Yoga and discover its relevance in business setting. ILLUSTRATE the business ethical decision rationale derived from Indian Heritage Scriptures.
CO402.3	UNDERSTANDING	APPLY Principles, Theories, Models and Framework of Indian ethos and business ethics in order to incorporate value system in work culture and work place.
CO402.4	APPLYING	DEVELOP and EXHIBIT analytical, problem solving skills, and work ethos by COMPREHENSION and PRACTICE of Indian ethos and value system
CO402.5	ANALYSING	IMPLEMENT, EVALUATE, and FACILITATE ethical business behavior and promote sustainable business ecology, improve profitability, foster business relation and employee productivity.
CO402.6	CREATING	ELABORATE Ethical dilemmas in different business areas of marketing, HRM and Finance and ADAPT dilemma resolution interventions by referring to certain norms, theories and models of Eastern Management.

**Generic Courses (Electives) – University Level – Semester III & IV**

Semester III		<b>306 – International Business Economics</b>
2 Credits	LTP: 2:0:0	<b>Generic Elective – University Level</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO 306 .1	Remembering	RECALL and ENUMERATE the economic aspects of international business.
CO 306 .2	Understanding	DESCRIBE the outcomes of globalising and liberalising trade environment, trade policy frameworks and macroeconomic linkages of the open economy.
CO 306 .3	Applying	DISCUSS the mechanisms and working of the foreign exchange markets.



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CO 306.4	Analysing	EXAMINE how a protectionist trade policy improves or diminishes the prospects of survival / growth of business.
CO 306.5	Evaluating	APPRAISE the implications of trade related policies under different levels of product market concentration?

Semester III		307 – International Business Environment
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO 307.1	Remembering	Recall and Describe the key concepts of international Business Environment
CO 307.2	Understanding	Understand the relevance of Multinational Corporations (MNCs) in global trade
CO 307.3	Applying	Demonstrate the significance of FDI and FPI in respect of developing economy
CO 307.4	Analysing	Analyze the issues related to Labor, Environmental and Global Value chain
CO 307.5	Evaluating	Formulate and discuss the case related to various Agreements under WTO and contemporary global business environment.

Semester III		308 – Project Management
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO 308.1	Remembering	DEFINE the key terms and concepts in project management.
CO 308.2	Understanding	EXPLAIN the Importance of project management methodologies and tools at the distinct stages in the Project's life cycle
CO 308.3	Applying	ILLUSTRATE the importance of PM in most industries and businesses
CO 308.4	Analysing	EXAMINE the importance of Leadership specifically in heterogenous and virtual teams as well as governance and approaches to conflict resolutions
CO 308.5	Evaluating	DESIGN dashboard, status report and index for Key Performance Indicators of project for the Management

Semester III		309 – Knowledge Management
2 Credits	LTP: 2:0:0	Generic Elective – University Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO 309.1	Remembering	DEFINE the key terms and concepts in Knowledge Management.
CO 309.2	Understanding	DESCRIBE the Knowledge Management cycle
CO 309.3	Applying	DISCUSS the types of Knowledge and its implications.
CO 309.4	Analysing	OUTLINE the importance of capturing knowledge elements and its structures



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		application as a competitive advantage to business
CO 309 .5	Evaluating	EXPLAIN the human and business aspects of knowledge management.

<b>Semester III</b>		<b>310- Corporate Governance</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO310.1	REMEMBERING	RECOGNIZE and REMEMBER the scope of Corporate Governance.
CO310.2	UNDERSTANDING	UNDERSTAND the role of Board of Directors and Committees in Good Corporate Governance and key mechanism.
CO310.3	APPLYING	APPLICATION of empirical methods of Corporate Governance and its impact on the Firms.
CO310.4	ANALYSING	Analyze the legal framework of Corporate Governance and formulate Internal control policies.
CO310.5	EVALUATING	Evaluate the legal framework and global perspective of Corporate Governance.
CO310.6	CREATING	FORMULATE and DISCUSS Cases related to CG (Models), their SUCCESS & FAILURES.

<b>Semester III</b>		<b>311-Management of Non-profit organizations</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO311.1	REMEMBERING	DESCRIBE the basic concepts and frameworks in the field of Non-Profit Sector & Non-Profit Organization.
CO311.2	UNDERSTANDING	EXPLAIN the characteristics of Non-Profit organizations, summarizing the factors affecting development of Non-Profit organization.
CO311.3	APPLYING	MAKE use of theoretical concepts, frameworks while registration process of Non-Profit Organization.
CO311.4	ANALYSING	EXAMINE the role of any public policies which helps NPO in decision making.
CO311.5	EVALUATING	EVALUATE the performance of Non- Profit organizations, the critical financial considerations of the Non - Profit organization.

<b>Semester IV</b>		<b>405 – Global Strategic Management</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO405.1	Remembering	Define the concept and key terms associated with the global strategic management.
CO405.2	Understanding	Describe in detail global strategic alliance, merger and acquisitions.



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CO405.3	Applying	Demonstrate various global organisation models in global strategic management context.
CO405.4	Analyzing	Examine various entry and business-level strategies from global strategic management perspective.
CO405.5	Evaluating	Explain globalization, innovation, and sustainability and challenges to strategic management.
CO405.6	Creating	Design global strategies and understand their relative merits and demerits.
<b>Semester IV</b>		<b>406 – Technology Competition and Strategy</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO406.1	Remembering	DEFINE the key terms and concepts.
CO406.2	Understanding	EXPLAIN how technology affects strategic interactions among firms and consumers
CO406.3	Applying	DETERMINE the linkages Technology & Business Strategies
CO406.4	Analyzing	EXAMINE the technology environment of a firm.
CO406.5	Evaluating	APPRAISE the risks pertaining to technology and competition.

<b>Semester IV</b>		<b>407 – Cyber Laws</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO407.1	Remembering	DEFINE the key terms and concepts pertaining to cyber laws.
CO407.2	Understanding	DESCRIBE the relevant legal provisions in detail.
CO407.3	Applying	DETERMINE the applicability of the legal provisions in a specific scenario.
CO407.4	Analyzing	OUTLINE the course of action in case of violation of the legal provisions.
CO407.5	Evaluating	EXPLAIN the various legal, social and international issues and the various remedies available under the Information Technology Act for the breach and commission of offence in cyber space

<b>Semester IV</b>		<b>408 – Corporate Social Responsibility &amp; Sustainability</b>
<b>2 Credits</b>	<b>LTP: 2:0:0</b>	<b>Generic Elective – University Level</b>

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO408.1	REMEMBERING	Enumerate the different concepts, legislative provisions, environmental aspects, best practices, complexity, scope, reports, social framework etc. related to CSR, business ethics & sustainability development.



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CO408.2	UNDERSTANDING	Compare different CSR theories, cases, dimensions of Sustainability and demonstrate a multi stake holder perspective in viewing CSR, Business ethics & Sustainability issues etc.
CO408.3	APPLYING	Apply the different models, theories, approaches, cases etc. for implementation & monitoring of CSR activities & Sustainability and its impact on corporate culture & society at large.
CO408.4	ANALYSING	Analyze the different reports, cases, various legal issues relating to CSR, different sustainability reports and various national and global initiatives related to CSR, Business ethics & Sustainability.
CO408.5	EVALUATING	Evaluate the level of commitment of different organizations to CSR, Business ethics in attaining Sustainability development & show its competitive advantages.
CO408.6	CREATING	Create & Implement a CSR policy in attaining Sustainability development and its impact on various stakeholders.

**Subject Core (SC) Courses - Semester III**

**Specialization: Marketing Management**

Semester III	SC - MKT- 03	<b>304 MKT : Services Marketing</b>
3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Marketing Management

Course Outcomes: On successful completion of the course, the learner will be able to

CO #	COGNITIVE ABILITIES	COURSE OUTCOMES
CO304 MKT.1	REMEMBERING	RECALL the key concepts in services marketing
CO304 MKT.2	UNDERSTANDING	EXPLAIN the role of Extended Marketing Mix in Services
CO304 MKT.3	APPLYING	DEMONSTRATE the new Paradigm and Perspectives in Marketing of Services
CO304 MKT.4	ANALYSING	ANALYSE the significance of services marketing in the Indian and global economy
CO304 MKT.5	EVALUATING	EVALUATE Segmentation, Targeting & Positioning of Services in dynamic marketing environment
CO304 MKT.6	CREATING	DEVELOP marketing mix for various services offering

Semester III	SC - MKT- 04	<b>305 MKT : Sales &amp; Distribution Management</b>
3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Marketing Management

Course Outcomes: On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO305MKT.1	REMEMBERING	DESCRIBE the theoretical concepts related to Sales Management and Distribution Management Domain
CO305MKT.2	UNDERSTANDING	UNDERSTAND the concepts, techniques and approaches required for effective decision making in the areas of Sales and Distribution.
CO305MKT.3	APPLYING	APPLY the concepts related to sales and distribution management.
CO305MKT.4	ANALYSING	ANALYZE the real life scenarios of sales and distribution management.
CO305MKT.5	EVALUATING	EVALUATE the existing sales and distribution strategies and approaches.
CO305MKT.6	CREATING	DEVELOP generate and evaluate sales and distribution strategies.



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Subject Core (SC) Courses - Semester IV Specialization: Marketing Management		
Semester IV	SC - MKT- 05	<b>403 MKT: Marketing 4.0</b>
3 Credits	LTP: 2:1:1	Subject Core (SC) Course - Marketing Management

**Course Outcomes: On successful completion of the course, the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO403MKT.1	REMEMBERING	DESCRIBE the various concepts associated with Marketing 4.0
CO403MKT.2	UNDERSTANDING	EXPLAIN the importance of 5A's in Marketing 4.0.
CO403MKT.3	APPLYING	DEMONSTRATE the application of concepts of digital marketing, new productivity metrics, Human centric marketing, Omni channel marketing to the real world of digital economy
CO403MKT.4	ANALYSING	DISTINGUISH between traditional and digital marketing practices in given real world context to be the effective marketers.
CO403MKT.5	EVALUATING	ASSESS how Technology & connectivity has changed human life and business in the context of real-world commodities, products & services.
CO403MKT.6	CREATING	DEVELOP strategies to create WOW! Moments with customer engagement

Semester IV	SC - MKT- 06	<b>404 MKT: Marketing Strategy</b>
3 Credits	LTP: 2:1:1	Subject Core (SC) Course - Marketing Management

**Course Outcomes: On successful completion of the course, the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO404MKT.1	REMEMBERING	DISCOVER perspectives of market strategy.
CO404MKT.2	UNDERSTANDING	UNDERSTAND the intricacies of competitive marketing situations and ways to handle each situation.
CO404MKT.3	APPLYING	BUILD a market strategy through integrating concepts like product life cycle, adoption, and segmentation, branding, pricing, distribution, and market communication.
CO404MKT.4	ANALYSING	ANALYSE a company's current situation through applying internal and external analyses.
CO404MKT.5	EVALUATING	EXPLAIN alternative ways to measure the outcome of market strategies.
CO404MKT.6	CREATING	CREATE Corporate Advantage by exploring how the scope of firms is influenced by resources that are shared across products.

Subject Core (SC) Courses - Semester III Specialization: Financial Management		
Semester III		<b>304 FIN- Advanced Financial Management</b>
3 Credits	LTP: 2:1:1	Subject Core - SC - FIN - 03

**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO 304.1	REMEMBERING	DESCRIBE the basic concepts in financing, investing and profit distribution in a firm



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CO 304.2	UNDERSTANDING	EXPLAIN theoretical concepts related to raising and use of funds and value of firm
CO 304.3	APPLYING	CALCULATE values for making capital structure, investment, liquidity and dividend decisions in the financial management of a firm
CO 304.4	ANALYSING	ANALYZE the options for making the right financial decisions of a firm
CO 304.5	EVALUATING	ASSESS the role of financial planning, risk analysis in investments, liquidity and credit management policy of the firm on shareholder value
CO304.6	CREATING	DESIGN an appropriate financial strategy using any one or multiple concepts/ techniques learned in this course.

Semester III		<b>305 FIN – International Finance</b>
3 Credit	LTP : 2:1:1	<b>Subject Core (SC) Course – International Finance</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	Cognitive Ability	Course Outcomes
CO305FIN.1	Remembering	Enumerate the key terms associated with International Finance.
CO305FIN.2	Understanding	Summarize the various the concepts related to regulators, financial markets, Financial Instruments, tax structures at international level.
CO305FIN.3	Applying	Illustrate the role of international monetary systems & intermediaries in Global financial market.
CO305FIN.4	Analyzing	Inspect the various parameters of global financial market and interpret best possible international investment opportunities.
CO305FIN.5	Evaluating	Determine the various strategies to start investment or business at the international level by considering various factors of international finance.
CO305FIN.6	Creating	Formulate the investment plan or business plan by adapting international finance environment.

**Subject Core (SC) Courses - Semester IV**  
**Specialization: Financial Management**

Semester IV		<b>403 FIN: Financial Laws</b>	<b>Course</b>
3 Credit	LTP : 2:1:1	<b>SUBJECT CORE (SC) COURSE: Specialization – Financial Management (FIN)</b>	

Outcomes: On successful completion of the course the learner will be able to:

CO#	Cognitive Ability	Course Outcomes
CO403.1	Remembering	Define and Describe the basic concepts related to Financial Laws
CO403.2	Understanding	Illustrate the implications of various laws, Explain concepts and details of various financial laws.
CO403.3	Applying	Make use of contextual financial laws applicable to organisations.
CO403.4	Analyzing	Infer the application of financial laws to organisations
CO403.5	Evaluating	Appraise and perceive the benefits of applicable laws to the organisations.

Semester IV		<b>404 FIN Current Trends &amp; Cases in Finance</b>
3 Credits	LTP: 2:1:1	<b>Subject Core (SC) Course – Financial Management</b>



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**Course Outcomes: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO404FIN.1	REMEMBERING	DESCRIBE the concepts related to emerging areas of Microfinance, Small finance banks, Payment Banks, Start-Ups, SHG and Digitization and analytics
CO404FIN.2	UNDERSTANDING	EXPLAIN in detail, all the theoretical concepts taught through the syllabus
CO404FIN.3	APPLYING	APPLY the various theories and models of financial management in the case.
CO404FIN.4	ANALYSING	ANALYSE the situation and decide the key financial as well as non-financial elements involved in the situation.
CO404FIN.5	EVALUATING	EVALUATE the financial impact of the alternative on the given case.

**Subject Core (SC) Courses - Semester III**  
**Specialization: Human Resource Management**

<b>Semester-III</b>		<b>304HRM- Strategic Human Resource Management</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course- Human Resource Management</b>

**Course Outcome: On successful completion of the course the learner will be able to**

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO304HRM.1	REMEMBERING	REMEMBER the strategies adopted by HR and their implementation issues and challenges faced by the organization in national and international context.
CO304HRM.2	UNDERSTANDING	Ability to UNDERSTAND and ARTICULATE the basic concepts of SHRM and link the HR strategies to the organizational business strategies.
CO304HRM.3	APPLYING AND ANALYZING	Ability to ANALYZE HR as an investment to the company.
CO304HRM.4	EVALUATING	Ability to INTERPRET and EVALUATE the implementation of the HR strategies.
CO304HRM.5	CREATING	FORMULATE and provide realistic solutions to the industry by designing innovative strategies and logical decision making.

<b>Semester III</b>		<b>305HRM : HR Operations</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Human Resource Management</b>

**Course Outcomes: On successful completion of the course the learner will be able to:**

CO#	COGNITIVE ABILITIES	COURSE OBJECTIVES (CO'S)
CO315HRM.1	REMEMBERING	DESCRIBE structure of personnel department, its policies and maintenance of employee files & records
CO315HRM.2	UNDERSTANDING	LEARN drafting of communications for disciplinary actions



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CO315HRM.3	APPLYING	DEMONSTRATE the knowledge and calculations of bonus, gratuity, PF, ESI etc.
CO315HRM.4	ANALYSING	EXPERIMENT to calculate the computation of Workmen compensation, Bonus and Gratuity as per relevant acts
CO315HRM.5	EVALUATING	CALCULATE computation of Workmen compensation, Bonus and Gratuity
CO315HRM.6	CREATING	FILE returns under various labour laws and prepare salary structure

**Subject Core (SC) Courses - Semester IV**  
**Specialization: Human Resource Management**

<b>Semester IV</b>		<b>403 HRM - Organizational Diagnosis &amp; Development</b>
<b>Credits: 3</b>	<b>LTP: 2:1:1</b>	<b>Subject Core – Human Resource Management – 05</b>

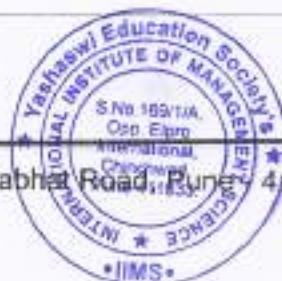
Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO404.1	REMEMBERING	DESCRIBE the major theories, concepts, terms, models tools and frameworks in the field of Organizational Diagnosis & Development.
CO404.2	UNDERSTANDING	UNDERSTAND concept of OD and 'intervention'.
CO404.3	APPLYING	MAKE USE of the Theories, Models, Principles and Frameworks of Organizational Diagnosis & Development in specific organizational settings.
CO404.4	ANALYSING	ANALYZE the external and internal environment with right tool of diagnosis and review the role of consultant in OD.
CO404.5	EVALUATING	IDENTIFY AND MAP an intervention to organisational need
CO404.6	CREATING	DESIGN the role of the consultant for an organisational issue

<b>Semester – IV</b>		<b>404 HRM: Current Trends &amp; Cases in Human Resource Management</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course –Human Resource Management</b>

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO404HRM.1	REMEMBERING	DESCRIBE the conceptual framework of Digital Disruptions and its impact on the current HR Trends.
CO404HRM.2	UNDERSTANDING	SUMMARIZE the impact of Current HR trends on HR Functions
CO404HRM.3	APPLYING	ILLUSTRATE value creation & competitive advantage of Technology on current HR Trends
CO404HRM.4	ANALYSING	EXAMINE the changing role of HR Priorities
CO404HRM.5	EVALUATING	ELABORATE upon the various types of current HR Trends



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CO404HRM.6	CREATING	APPLY the existing Tech tools to real time HRM Challenges and offer Solutions.
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**Subject Core (SC) Courses - Semester III**  
**Specialization: Operations & Supply Chain Management**

Semester III		304 OSCM- Services Operations Management – II
3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Operations & Supply Chain Management

**Course Outcomes:** On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO304OSCM .1	REMEMBERING	DEFINE the key concepts in Services Operations Management.
CO304OSCM .2	UNDERSTANDING	DIFFERENTIATE between various service strategies, service quality dimensions, and customer relationships based on life time value.
CO304OSCM .3	APPLYING	IDENTIFY the sources of value in a service supply relationship & three factors that drive profitability for a professional service firm
CO304OSCM .4	ANALYSING	CATEGORIZE a service firm according to its stage of competitiveness.
CO304OSCM .5	EVALUATING	MODIFY the Service strategies of an organization for achieving the strategic service vision.
CO304OSCM .6	CREATING	SOLVE the relevant numerical in the scope of the subject.

Semester III		305 OSCM - Logistics Management
3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Operations & Supply Chain Management

**Course Outcomes:** On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO305OSCM.1	REMEMBERING	DEFINE basic terms and concepts related to Logistics management.
CO305OSCM.2	UNDERSTANDING	EXPLAIN the infrastructure of logistics, its linkage with various types of communication modes.
CO305OSCM.3	APPLYING	DESCRIBE the various dimensions of logistics management and transport, their inter-linkages with different types of freights.
CO305OSCM.4	ANALYSING	CALCULATE logistic costs and various classification methods of reducing the cost. Involving the information technology and its impacts.
CO305OSCM.5	EVALUATING	OUTLINE a typical logistic framework and services. ILLUSTRATE the linkages with its dynamic storage system / Customer Issues, Logistic and Business Issues in a real world context.
CO305OSCM.6	CREATING	DISCUSS modern real world logistical systems using the various concepts in the syllabus.

**Subject Core (SC) Courses - Semester IV**  
**Specialization: Operations & Supply Chain Management**

Semester IV		403 OSCM- E Supply Chains and Logistics
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3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Operations & Supply Chain Management
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Course Outcomes: On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO403OSCM .1	REMEMBERING	DESCRIBE the structure of modern days Logistics.
CO403OSCM .2	UNDERSTANDING	EXPLAIN the key concepts of Supply Chain Management and the – driving forces in contemporary Supply Chain Management.
CO403OSCM .3	APPLYING	IDENTIFY the various flows in real world supply chains and Logistics. DESCRIBE the importance of documentations.
CO403OSCM .4	ANALYSING	COMPARE and CONTRAST push and pull strategies in Supply Chain Management. ANALYSE the impact of tracking system linkage in Logistics.
CO403OSCM .5	EVALUATING	EXPLAIN the key Operational Aspects of E-Procurement.
CO403OSCM .6	CREATING	DEVELOP a framework for e-logistics

Semester IV		404 OSCM- Industry 4.0
3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Operations & Supply Chain Management

Course Outcomes: On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO404OSCM .1	REMEMBERING	DEFINE industrial revolutions and its different aspects.
CO404OSCM .2	UNDERSTANDING	EXPLAIN the role of technology pillars of Industry 4.0.
CO404OSCM .3	APPLYING	DEMONSTRATE the use of data in effective decision making.
CO404OSCM .4	ANALYSING	ILLUSTRATE the need of cyber physical system for sustainable competitive advantage.
CO404OSCM .5	EVALUATING	EXPLAIN the challenges faced by various industries in full fledge implementation of Industry 4.0
CO404OSCM .6	CREATING	DEVELOP a framework for any organization using base of Smart Industry Readiness Index Proposed by Singapore EDB

**Subject Core (SC) Courses - Semester III**  
**Specialization: Business Analytics**

Semester III		304 BA- Advanced Statistical Methods using R
3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Business Analytics

Course Outcomes: On successful completion of the course, the learner will be able to



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CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO304BA .1	REMEMBERING	RECALL all basic statistical concepts and associated values, formulae.
CO304BA .2	UNDERSTANDING	EXPLAIN the statistical tools and DESCRIBE their applications in multiple business domains and scenarios
CO304BA .3	APPLYING	APPLY time series analysis in prediction of various trends.
CO304BA .4	ANALYSING	DISCRIMINATE between various types of probability and probability distributions.
CO304BA .5	EVALUATING	FORMULATE and TEST hypothesis using tools of R.
CO304BA .6	CREATING	COMBINE various tools and functions of R programming language and use them in live analytical projects in multiple business domains and scenarios.
<b>Semester III</b>		<b>305 BA - Machine Learning &amp; Cognitive intelligence using Python</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Business Analytics</b>

Course Outcomes: On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO305BA.1	REMEMBERING	DEFINE the key terms in Python, Machine Learning and Cognitive Intelligence
CO305BA.2	UNDERSTANDING	EXPLAIN the applications of Machine Learning in multiple business domains and scenarios
CO305BA.3	APPLYING	DEVELOP a thought process to think like data scientist/business Analyst
CO305BA.4	ANALYSING	ANALYSE data using supervised and unsupervised Learning Techniques
CO305BA.5	EVALUATING	SELECT the right functions, arrays of Python for Machine Learning algorithms.
CO305BA.6	CREATING	COMBINE various tools and functions of Python language in developing Machine Learning algorithms and use them in live analytical projects in multiple business domain and scenarios.

**Subject Core (SC) Courses - Semester IV**  
**Specialization: Business Analytics**

<b>Semester IV</b>		<b>403 BA- Economics of Network Industries</b>
<b>3 Credits</b>	<b>LTP: 2:1:1</b>	<b>Subject Core (SC) Course – Business Analytics</b>

Course Outcomes: On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO403BA .1	REMEMBERING	APPRECIATE the differences in the nature of information goods as opposed to traditional goods and services.
CO403BA .2	UNDERSTANDING	DESCRIBE the characteristics of the markets for network products.
CO403BA .3	APPLYING	ILLUSTRATE the characteristics of the cost structure of information goods and its implications for pricing of information goods w.r.t. price discrimination, versioning of



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		information goods, and bundling
CO403BA .4	ANALYSING	COMPARE and CONTRAST the pros and cons of keeping products compatible, and strategic aspects of the decision regarding compatibility.
CO403BA .5	EVALUATING	EVALUATE the role of complementary products, compatibility and standards, switching costs and lock-in in network industries.
CO403BA .6	CREATING	DISCUSS the economics of Internet advertising, and the business model of zero pricing.

Semester IV		404 BA- Artificial Intelligence in Business Applications
3 Credits	LTP: 2:1:1	Subject Core (SC) Course – Business Analytics

Course Outcomes: On successful completion of the course, the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO404BA .1	REMEMBERING	IDENTIFY KNOWLEDGE associated and represent it by logical sequence and plan a strategy to solve given problem
CO404BA .2	UNDERSTANDING	UNDERSTAND AI's fundamental concepts and methods.
CO404BA .3	APPLYING	APPLY various machine learning algorithms on structured data to develop machine learning models.
CO404BA .4	ANALYSING	ACQUIRE advanced Data ANALYSIS SKILLS through algorithm and search processes.
CO404BA .5	EVALUATING	SELECT logical and functional process to develop the model
CO404BA .6	CREATING	CREATE SOLUTIONS for various business problems using AI techniques.

**Syllabus for Rural & Agri Business Management (MINOR ONLY SPECIALIZATION)**

Semester III		SC – RABM – 01 Agriculture and Indian Economy
3 Credits	LTP: 2:1:1	Rural & Agri Business Management

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
RABM01.1	REMEMBERING	DEFINE the key terms in Indian Agriculture/Land Reforms/ economic holding.
RABM01.2	UNDERSTANDING	EXPLAIN the key terms in The place of agriculture in the national economy/ The present position of Indian Agriculture with an advanced management perspective.
RABM01.3	APPLYING	IDENTIFY the various issues in the Agriculture Industry in India. DEMONSTRATE their significance from the perspective of Indian farmer & Indian Economy & business decision making.
RABM01.4	ANALYSING	EXAMINE the inter-relationships between various facets of Agriculture & economy from the perspective of a farmer, Labour, firm, industry, market, competition and business cycles.
RABM01.5	EVALUATING	DEVELOP critical thinking based on changing pattern of ownership and operational holdings in India, Farms size, Productivity/ Profitability and farm efficiency



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RABM01.6	CREATING	ANTICIPATE how other firms in an industry and consumers will respond to economic decisions made by a business, and how to incorporate these responses into their own decisions.
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Semester IV		SC - RABM - 04 Rural Marketing - I
2 Credits	LTP:1:1:1	Rural & Agri Business Management

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
RABM04.1	REMEMBERING	RECALL and REPRODUCE the various concepts, principles, frameworks, and terms related to the function and role of marketing in Rural areas.
RABM04.2	UNDERSTANDING	DISCUSS the Rural versus Urban Marketing concept and ILLUSTRATE the role that marketing plays in the 'tool kit' of a Rural Marketer
RABM04.3	APPLYING	APPLY the models of consumer behavior in the rural market
RABM04.4	ANALYSING	EXAMINE and LIST different aspects of segmentation, targeting and positioning, marketing environmental forces, consumer buying behavior, in the context of rural marketing
RABM04.5	EVALUATING	EVALUATE the challenges of Rural marketing research with different approaches and tools
RABM04.6	CREATING	CREATE a new consumer behavior model on the rural consumer with the help of cases with rural marketing experiences

Syllabus for Pharma & Health Care Management (MINOR ONLY SPECIALIZATION)

Semester III		SC-PHCM- 01 Fundamental of Pharma and Healthcare Management
3 Credits	LTP: 2:1:1	Pharma and Healthcare Management

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
PHCM01.1	REMEMBERING	DESCRIBE concept of Pharma and healthcare management and FIND out the different role and responsibilities of managers.
PHCM01.2	UNDERSTANDING	UNDERSTAND the different managerial functions of managers
PHCM01.3	APPLYING	IDENTIFY right the motivation for right stakeholder in the healthcare sector for effective delivery of service.
PHCM01.4	ANALYSING	ANALYZE modern Pharma and Healthcare models
PHCM01.5	EVALUATING	EXPLAIN government initiatives to provide healthcare facilities in each part of country
PHCM01.6	CREATING	CONSTRUCT model to provide effective service in healthcare management

Semester IV		SC-PHCM- 02 Pharma and Healthcare regulatory environment in India
3 Credits	LTP: 2:1:1	Pharma and Healthcare Management

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE	COURSE OUTCOMES
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ABILITIES		
PHCM02.1	REMEMBERING	IDENTIFY various environmental factors affecting on Pharma and Healthcare industry
PHCM02.2	UNDERSTANDING	UNDERSTAND various laws applicable to Pharma and Healthcare industry
PHCM02.3	APPLYING	Understand the situation and identify right legal way to solve the problem.
PHCM02.4	ANALYSING	ANALYSE steps involved in Intellectual Property Rights registrations.
PHCM02.5	EVALUATING	CHOOSE the right type of IPR as per the content and work available to protect.
PHCM02.6	CREATING	Elaborate the different laws developed by constitutions to support and protect Pharma and Healthcare sector

**Syllabus for Tourism & Hospitality Management (MINOR ONLY SPECIALIZATION)**

Semester III		SC-THM-01 Fundamentals of Hospitality Management
3 Credits	LTP: 2:1:1	Tourism and Hospitality Management

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
THM01.1	REMEMBERING	DESCRIBE different types of hotels & travel agents
THM01.2	UNDERSTANDING	UNDERSTAND the basic functioning of star hotels, major operational, Departments, government rules & regulations
THM01.3	APPLYING	USE of flow charts & diagrams of various Hospitality Sectors to know the hierarchy of the organization
THM01.4	ANALYSING	EXAMINE current changes taking place in the Hotel & Tourism Industry
THM01.5	EVALUATING	EVALUATE the changes required to improve traditional methods to suit the current market trends.
THM01.6	CREATING	DEVELOP Smart techniques adaptable to the present market scenario for better customer satisfaction

Semester IV		SC-THM-02 Tourism and Travel Management
3 Credits	LTP: 2:1:1	Tourism and Hospitality Management

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
THM02.1	REMEMBERING	DEFINE the various components of the Tourism Industry & Types of Tourism
THM02.2	UNDERSTANDING	UNDERSTAND basic operations of a Travel Agency & tour conduction
THM02.3	APPLYING	EXECUTE theoretical knowledge to design various tour packages & work on costing for the packages
THM02.4	ANALYSING	Analyze changing trends in Travel & Transport industry- Domestic & International
THM02.5	EVALUATING	INTERPRET the impacts of Tourism Industry globally & practicing of Eco- Tourism.
THM02.6	CREATING	BUILD new concepts of Eco-Tourism according to customer requirements



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## Syllabus for International Business Management (MINOR ONLY SPECIALIZATION)

Semester: <b>III</b>	Course Code: <b>SC-IB-01</b>	<b>304 IB: Import Export Documentation and Procedures</b>
3 Credits	LTP: 2:1:1	Generic Core Course

**Course Outcomes: On successful completion of the course the learner will be able to**

CO	COGNITIVE ABILITIES	COURSE OUTCOMES
CO304IB.1	REMEMBERING	Describe The Process Of Import And Export In The Context Of Business
CO304IB.2	UNDERSTANDING	Explain The Import And Export Transactions, Classification And Various Payment Terms
CO304IB.3	APPLYING	Identify Various Types Of Documents Required For The Procedures Involved In Import And Export
CO304IB.4	ANALYSING	Examine Various Documentation Formats For The Import And Export Processes
CO304IB.5	EVALUATING	Explain Pre And Post Activities Of Import And Export Process
CO304IB.6	CREATING	Discuss On Various Aspects Of Trades, Documentation And Procedures For Import And Export

Semester: <b>IV</b>	Course Code: SC- <b>IB-02</b>	<b>404 IB: Global Trade and Logistics Management</b>
3 Credits	LTP: 2:1:1	Generic Core Course

**Course Outcomes: On successful completion of the course the learner will be able to**

C O	COGNITIVE ABILITIES	COURSE OUTCOMES
CO404IB.1	REMEMBERING	Describe The Economic Significance Of Trade Along With The Logistics Processes
CO404IB.2	UNDERSTANDING	Explain International Trade Theories And Applications In Business
CO404IB.3	APPLYING	Identify Various Environmental Factors Associated With International Business
CO404IB.4	ANALYSING	Examine Various Modes And Practices Of International Logistics
CO404IB.5	EVALUATING	Explain The Activities Involved In Entire Logistics Process In International Business
CO404IB.6	CREATING	Develop The Appropriate Strategy Of Operations For Global Trade And Logistics

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