University of Mumbai

M.G.Road, Fort, Mumbai-400032, Maharashtra(India)

Post Graduate Course Structure
For 2 Year(s) Master Degree Program in

Faculty of Science

Master of Science(M.Sc.)
(Credits)

(Rev16-Regular)
Information Technology
Course Code: -

Publisher's Note

This University of Mumbai has great Pleasure in publishing this course structure for Post Graduate course for 2 Year(s) Master Degree Program as "Master of Science" (Rev16 - Regular) (Information Technology) under the Faculty of "Faculty of Science".

On behalf of the University, I thank experts and authorities of the University for the interest taken and the whole hearted co-operation extended by them in bringing out this publication.

Date: 12/14/2018 6:05:17 PM

University of Mumbai,M.G.Road, Fort, Mumbai-400032,

Maharashtra(India)   Registrar

Course Objective(s)

The Master of Science Consists of following 2 course part(s):

Sr.No.	Course Part Name	Course Part Abbrevation	Examination Pattern
1	Master of Science Part I	M.Sc. Part I	Semester
2	Master of Science Part II	M.Sc. Part II	Semester

The Master of Science is available in following medium of instruction/s:

1. English

Course Part: M.Sc. Part I

Term: Sem I

The papers for M.Sc. Part I - Sem I are classified into following groups:

1.Compulsory Group (Min Papers: 8, Max Papers: 8,
Separate Passing Head: No, Max. Marks: 800.00)
  Select minimum 8 paper(s)
  Select maximum 8 paper(s)

  Papers:

94615	Data Mining
94641	Distributed Systems
94667	Data Analysis Tools
94693	Software Testing
PSIT1P1	Data Mining Practical
PSIT1P2	Distributed System Practical
PSIT1P3	Data Analysis Tools Practical
PSIT1P4	Software Testing Practical

Term: Sem II

The papers for M.Sc. Part I - Sem II are classified into following groups:

1.Compulsory Group (Min Papers: 8, Max Papers: 8,
Separate Passing Head: No, Max. Marks: 800.00)
  Select minimum 8 paper(s)
  Select maximum 8 paper(s)

  Papers:

PSIT201	Mobile Computing
PSIT202	Advanced Computer Networks
PSIT203	Cloud Computing
PSIT204	Advanced Database Management Systems
PSIT2P1	Mobile Computing Practical
PSIT2P2	Advanced Computer Networks Practical
PSIT2P3	Cloud Computing Practical
PSIT2P4	Advanced Database Systems Practical

Course Part: M.Sc. Part II

Term: Sem III

The papers for M.Sc. Part II - Sem III are classified into following groups:

1.Compulsory Group (Min Papers: 4, Max Papers: 4,
Separate Passing Head: No, Max. Marks: 400.00)
  Select minimum 4 paper(s)
  Select maximum 4 paper(s)

  Papers:

PSIT301	Embedded Systems
PSIT302	Information Security Management
PSIT3P1	Embedded Systems Practical
PSIT3P2	Information Security Management Practical

2.Elective Course 1 (Min Papers: 2, Max Papers: 2,
Separate Passing Head: No, Max. Marks: 200.00)
  Select minimum 2 paper(s)
  Select maximum 2 paper(s)

  Papers:

PSIT303a	Virtualization
PSIT303b	Artificial Neural Networks
PSIT3P3a	Virtualization Practical
PSIT3P3b	Artificial Neural Networks Practical

3.Elective Course 2 (Min Papers: 2, Max Papers: 2,

Separate Passing Head: No, Max. Marks: 200.00)
  Select minimum 2 paper(s)
  Select maximum 2 paper(s)

Papers:

    PSIT304a   Digital Image Processing

    PSIT304b   Ethical Hacking

    PSIT3P4a   Digital Image Processing Practical

    PSIT3P4b   Ethical Hacking Practical

Term: Sem IV

The papers for M.Sc. Part II - Sem IV are classified into following groups:

1.Compulsory Group (Min Papers: 4, Max Papers: 4,
Separate Passing Head: No, Max. Marks: 300.00)
  Select minimum 4 paper(s)
  Select maximum 4 paper(s)

  Papers:

      PSIT401   Artificial Intelligence

      PSIT402   IT Infrastructure Management

      PSIT4P5   Project Practical

      PSIT405   Project

2.Elective 1 (Min Papers: 2, Max Papers: 2,
Separate Passing Head: No, Max. Marks: 200.00)
  Select minimum 2 paper(s)
  Select maximum 2 paper(s)

  Papers:

      PSIT403a   Intelligent System

      PSIT403b   Real Time Embedded Systems

      PSIT403c   Computer Forensics

      PSIT4P3a   Intelligent System Practical

      PSIT4P3b   Real Time Embedded Systems Practical

      PSIT4P3c   Computer Forensics Practical

3.Elective 2 (Min Papers: 2, Max Papers: 2,
Separate Passing Head: No, Max. Marks: 200.00)
  Select minimum 2 paper(s)
  Select maximum 2 paper(s)

  Papers:

      PSIT404a   Design of Embedded Control Systems

      PSIT404b   Advanced Image Processing

      PSIT404c   Cloud Management

      PSIT4P4a   Design of Embedded Control Systems Practical

      PSIT4P4b   Advanced Image Processing Practical

      PSIT4P4c   Cloud Management Practical