

MASTER OF SCIENCE (IT)

Duration: 24 Months (2 Years) Eligibility: B.Sc. (IT/CS/BCA), BE (CS/IT)

| COURSE STRUCTURE OF MSC (IT)SEMESTER I | | | | | | | | | | | | | |
|---|--------------------|--|--------------------|--------------------------------|------------------|----------------------------|------------------|------------------|------------------|----------------------------|----------|----------|----------------------------------|
| Course Details | | | | External Assessment | | Internal Assessment | | | | Credit Distribution | | | Allotted Credits |
| Course Code | Course Type | Course Title | Total Marks | Major | | Minor | | Sessional | | L | T | P | Subject wise Distribution |
| | | | | Max Marks | Min Marks | Max Marks | Min Marks | Max Marks | Min Marks | | | | |
| Theory Group | | | | | | | | | | | | | |
| 6IMIT101 | Core Course | Fundamentals of Computers & MS Office | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT102 | Core Course | Programming Methodology & Programming in C | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT103 | Core Course | Computer Networks & Internet | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT104 | Core Course | Digital Electronics & Logic Design | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| Practical Group | | | | Term End Practical Exam | | | | Sessional | | | | | |
| 6IMIT101 | Practical | Fundamentals of Computers & MS Office | 50 | 25 | 08 | - | - | 25 | 10 | - | - | 2 | 2 |
| 6IMIT102 | Practical | Programming Methodology & Programming in C | 50 | 25 | 08 | - | - | 25 | 10 | - | - | 2 | 2 |
| Grand Total | | | 500 | - | | - | | - | - | - | - | - | 20 |

Minimum Passing Marks are equivalent to Grade D

Major- Term End Theory Exam/ Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

L- Lectures T- Tutorials P- Practical

MASTER OF SCIENCE (IT)

Duration: 24 Months (2 Years) Eligibility: B.Sc. (IT/CS/BCA), BE (CS/IT)

| COURSE STRUCTURE OF MSC (IT)SEMESTER II | | | | | | | | | | | | | |
|---|----------------------------|---------------------------------------|-------------|--------------------------------|-----------|---------------------|-----------|------------------|-----------|---------------------|----------|----------|---------------------------|
| Course Details | | | | External Assessment | | Internal Assessment | | | | Credit Distribution | | | Allotted Credits |
| Course Code | Course Type | Course Title | Total Marks | Major | | Minor | | Sessional | | L | T | P | Subject wise Distribution |
| | | | | Max Marks | Min Marks | Max Marks | Min Marks | Max Marks | Min Marks | | | | |
| Theory Group | | | | | | | | | | | | | |
| 6IMIT201 | Ability Enhancement | Objects Oriented Programming with C++ | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT202 | Core Course | DBMS & SQL | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT203 | Core Course | Data Structure | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT204 | Core Course | Operating Systems | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| Practical Group | | | | Term End Practical Exam | | | | Sessional | | | | | |
| 6IMIT201 | Practical | Objects Oriented Programming with C++ | 50 | 25 | 08 | - | - | 25 | 10 | - | - | 2 | 2 |
| 6IMIT202 | Practical | DBMS & SQL | 50 | 25 | 08 | - | - | 25 | 10 | - | - | 2 | 2 |
| Skill Courses | | | | | | | | Sessional | | | | | |
| 6SCMIT201 | Skill Enhancement | Skill Enhancement Elective Course I | 50 | - | - | - | - | 50 | 20 | 1 | - | 1 | 2 |
| Grand Total | | | 550 | - | | - | | - | - | - | - | - | 22 |

Minimum Passing Marks are equivalent to Grade D

Major- Term End Theory Exam / Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

Skill Elective I– Any other course being offered in this semester as per the list given at the end of course structure.

L- Lectures T- Tutorials P- Practical

MASTER OF SCIENCE (IT)

Duration: 24 Months (2 Years) Eligibility: B.Sc. (IT/CS/BCA), BE (CS/IT)

| COURSE STRUCTURE OF MSC (IT) SEMESTER III | | | | | | | | | | | | | |
|--|----------------------------|--|-------------|--------------------------------|-----------|----------------------------|-----------|------------------|-----------|----------------------------|---|---|---------------------------|
| Course Details | | | | External Assessment | | Internal Assessment | | | | Credit Distribution | | | Allotted Credits |
| Course Code | Course Type | Course Title | Total Marks | Major | | Minor | | Sessional | | L | T | P | Subject wise Distribution |
| | | | | Max Marks | Min Marks | Max Marks | Min Marks | Max Marks | Min Marks | | | | |
| Theory Group | | | | | | | | | | | | | |
| 6IMIT301 | Ability Enhancement | Programming with VB.Net | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT302 | Core Course | Java Programming | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT303 | Core Course | (A)Software Engineering, (B) Computer Architecture | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT304 | Core Course | A. Compiler Design, B. Artificial Intelligence and Expert System, C. Data warehousing & Mining | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| Practical Group | | | | Term End Practical Exam | | | | Sessional | | | | | |
| 6IMIT301 | Practical | Programming with VB.Net | 50 | 25 | 08 | - | - | 25 | 10 | - | - | 2 | 2 |
| 6IMIT302 | Practical | Java Programming | 50 | 25 | 08 | - | - | 25 | 10 | - | - | 2 | 2 |
| Skill Courses | | | | | | | | Sessional | | | | | |
| 6SCITM301 | Skill Enhancement | Skill Enhancement Elective Course II | 50 | - | - | - | - | 50 | 20 | 1 | - | 1 | 2 |
| Grand Total | | | 550 | - | - | - | - | - | - | - | - | - | 22 |

Minimum Passing Marks are equivalent to Grade D
Major- Term End Theory Exam/ Practical Exam

L- Lectures T- Tutorials P- Practical

MASTER OF SCIENCE (IT)

Duration: 24 Months (2 Years) Eligibility: B.Sc. (IT/CS/BCA), BE (CS/IT)

COURSE STRUCTURE OF MSC (IT) SEMESTER IV

| Course Details | | | | External Assessment | | Internal Assessment | | | | Credit Distribution | | | Allotted Credits |
|------------------------|--------------------|---------------------------|-------------|--------------------------------|-----------|---------------------|------------------|-----------|-----------|---------------------|---|---|---------------------------|
| Course Code | Course Type | Course Title | Total Marks | Major | | Minor | | Sessional | | L | T | P | Subject wise Distribution |
| | | | | Max Marks | Min Marks | Max Marks | Min Marks | Max Marks | Min Marks | | | | |
| Theory Group | | | | | | | | | | | | | |
| 6IMIT401 | Core Course | Soft Computing | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMIT402 | Core Course | Advanced Java Programming | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| 6IMMA401 | Core Course | Numerical Methods | 100 | 50 | 17 | 20 | 8 | 30 | 12 | 4 | - | - | 4 |
| Practical Group | | | | Term End Practical Exam | | | Sessional | | | | | | |
| 6IMIT402 | Practical | Advanced Java Programming | 50 | 25 | 08 | - | - | 25 | 10 | - | - | 2 | 2 |
| 6IMIT403 | Practical | Major Project | 150 | 75 | 25 | - | - | 75 | 30 | - | - | 6 | 6 |
| Grand Total | | | 500 | - | | - | | - | - | - | - | - | 20 |

Minimum Passing Marks are equivalent to Grade D

Major- Term End Theory Exam / Practical Exam

Minor- Pre University Test

Sessional weightage – Attendance 50%, Three Class Tests/Assignments 50%

Compulsory Project/Dessertation with choice in any Disciplinary specific elective. Compulsory one paper presentation certificate in related dicipline.

L- Lectures T- Tutorials P- Practical

SKILL ENHANCEMENT ELECTIVE COURSES

| Non-Technical | | | |
|----------------------|--|--|----------|
| Elective No. | Department/ Faculty Name | | |
| | Faculty of Information Technology | | |
| I | SCIT 201 | Data Entry Operation | 2(1+0+1) |
| II | SCIT 301 | Multimedia | 2(1+0+1) |
| III | SCIT 501 | Web Designing with HTML | 2(1+0+1) |
| IV | SCMIT 201 | Web Development | 2(1+0+1) |
| V | SCMIT 301 | LINUX | 2(1+0+1) |
| | Faculty of Management | | |
| I | SMGT 201 | Briefing and Presentation Skills | 2(1+0+1) |
| II | SMGT 301 | Resolving Conflicts and Negotiation Skills | 2(1+0+1) |
| III | SMGT 802 | Entrepreneurship Development | 2(1+0+1) |
| | Faculty of Commerce | | |
| I | SCOM 201 | Tally ERP 9 | 2(1+0+1) |
| II | SCOM 302 | Multimedia | 2(1+0+1) |
| III | SCOM 803 | Data Analyst | 2(1+0+1) |
| | Faculty of Humanities | | |
| I | SHBA 301 | Pursuing Happiness | 2(1+0+1) |
| II | SHBA302 | Communication Skill and Personality Development | 2(1+0+1) |
| III | SHMA301 | Tourism in M.P | 2(1+0+1) |
| | Faculty of Science | | |
| I | SSBI 301 | Mushroom Cultivation | 2(1+0+1) |
| II | SSPH 301 | House Hold Wiring | 2(1+0+1) |
| III | SSPH 301 | Basic Instrumentation | 2(1+0+1) |
| IV | SSPH 301 | DTP Operator | 2(1+0+1) |
| V | SSCH 301 | Graphic Designing | 2(1+0+1) |
| | Faculty of Education | | |
| I | SCBE 403 | Understanding of ICTC (Information Communication Technology) | 2(1+0+1) |
| II | SCPE 201 | Yoga Education | 2(1+0+1) |