

POKHARA UNIVERSITY
Master of Science in Computer Science
Curriculum Structure - 2024

Semester I

| SN | Course Name | Credits |
|----|--|---------|
| 1 | Data Structure and Algorithm Design | 3 |
| 2 | Computer Architecture | 3 |
| 3 | Software Engineering | 3 |
| 4 | Operating System Design and Implementation | 3 |
| 5 | Research Techniques | 3 |
| | Total | 15 |

Semester II

| SN | Course Name | Credits |
|----|-------------------------|---------|
| 1 | Theory of Computation | 3 |
| 2 | Database Engineering | 3 |
| 3 | Artificial Intelligence | 3 |
| 4 | Internet Technology | 3 |
| 5 | Elective I | 3 |
| | Total | 15 |

Semester III

| SN | Course Name | Credits |
|----|----------------------------|---------|
| 1 | Data Science and Analytics | 3 |
| 2 | Cyber Security | 3 |
| 3 | Research Seminar | 1 |
| 4 | IT Governance and Ethics | 2 |
| 5 | Elective II | 3 |
| 6 | Elective III | 3 |
| | Total | 15 |

Semester IV

| SN | Course Name | Credits |
|----|-------------|---------|
| 1 | Elective IV | 3 |
| 2 | Thesis | 12 |