

Vishwakarma University (VU), Pune

Master of Science (Computer Science) (M. Sc. CS)

2 Years – 4 Semesters Full Time Programme

Effective from AY 2024 – 2025

Programme Structure (NEP)

Choice Based Credit System (CBCS) and Grading System

Outcome-Based Education

Semester I

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| Design and Analysis of Algorithm |
| Advanced Operating System |
| Principles of Programming language |
| Web technology using React JS |
| Python Programming / Data Modelling and Visualization |
| Research Methodology |

Semester II

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| Cloud Computing |
| Software Project Management |
| DevOps |
| Web Services |
| PHP / Artificial Intelligence |
| Internship/ Apprenticeship |

Semester III

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| Distributed Database Concepts |
| Digital Image Processing |
| Soft Computing |
| Data Compression |
| C# .NET Programming / Machine Learning |
| Stage-1 or Independent Project |

Semester IV

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| Mobile Computing |
| Internet of Things |
| Computer Simulation and Modeling |
| Advanced Java Programming / Social Media Analytics |
| Stage-2 or Independent Project |