



P. D. E. A.'s
Prof. Ramakrishna More Arts, Commerce and Science
College Akurdi Pune-411044

Affiliated to

Savitribai Phule Pune University [SPPU]



M.Sc. (Computer Science)
(Two Years M. Sc. Degree Programme in Computer Science)

Choice Based Credit System [CBCS]

Under

Autonomy and NEP-2020

From Academic Year

2026-2027

Syllabus

First Year Postgraduate Computer Science

Board of Studies Computer Science

***Credit Framework for M. Sc. (Computer Science) Part-I
2026-27***

Semester-I

Paper Code	Title	Credits
Major		
CSMAT-511	Paradigm of Programming Languages	2
CSMAT-512	Design and Analysis of Algorithms	2
CSMAT-513	Advanced Database Technologies	2
CSMAT-514	Programming with C#.NET	2
CSMAT-515	Artificial Intelligence	2
CSMAP-516	Design and Analysis of Algorithms and Advanced Database Laboratory	2
CSMAP-517	C#.NET and Artificial Intelligence Laboratory	2
Major Elective		
CSMET-511A	Angular Using Typescript	2
CSMEP-512A	Angular Using Typescript Laboratory	2
OR		
CSMET-511B	Cloud Computing	2
CSMEP-512B	Cloud Computing Laboratory	2
Minor		
CSRMT-511	Research Methodology	2
CSRMP-512	Research Methodology Laboratory	2

Total Credits: 22

***Credit Framework for M. Sc. (Computer Science) Part-I
2026-27***

Semester-II

Paper Code	Title	Credits
Major		
CSMAT-521	Software Project Management	2
CSMAT-522	Advanced Operating Systems	2
CSMAT-523	Data Visualization Tools	2
CSMAT-524	ASP.Net Core Programming	2
CSMAT-525	Machine Learning	2
CSMAP-526	Advanced Operating Systems and Data Visualization Tools Laboratory	2
CSMAP-527	ASP.Net Core and Machine Learning Laboratory	2
Major Elective		
CSMET-521A	ReactJS	2
CSMEP-522A	ReactJS Laboratory	2
OR		
CSMET-521B	Big Data Analytics	2
CSMEP-522B	Big Data Analytics Laboratory	2
FP/OJT/CEP		
CSOJP-521	OJT	4

Total Credits: 22