



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

Affiliated to

Savitribai Phule Pune University [SPPU]



B. Sc. (Honours Computer Science)
(Four years of B.Sc. Honours Program)

Choice Based Credit System [CBCS]
Under
Autonomy and NEP-2023/24 Pattern

Syllabus
B. Sc. Honours with Major and Minor

From Academic Year
2026-2027

Board of Studies in Computer Science

***B.Sc. Honours with Major(2023 pattern) and NEP-2020 Academic Year 2026-27
Semester-VII***

Paper Code	Title	Credits
Major/ Subject -1		
CSMAT-471	Paradigm of Programming Languages	2
CSMAT-472	Design and Analysis of Algorithms	2
CSMAT-473	Advanced Database Technologies	2
CSMAT-474	Programming with C#.net	2
CSMAT-475	Artificial Intelligence	2
CSMAP-476	Design and Analysis of Algorithms and Advanced Database Laboratory	2
CSMAP-477	C#.NET and Artificial Intelligence Laboratory	2
Major Elective		
CSMET-471A	Angular Using TypeScript	2
CSMEP-472A	Angular Using TypeScript Laboratory	2
OR		
CSMET-471B	Cloud Computing	2
CSMEP-472B	Cloud Computing Laboratory	2
Minor		
CSRMT-471	Research Methodology	2
CSRMP-472	Research Methodology Laboratory	2

Total Credits :22

***B. Sc. Honours with Major (2023 pattern) NEP-2020 Academic Year 2026-27
Semester-VIII***

Paper Code	Title	Credits
Major/ Subject -1		
CSMAT-481	Software Project Management	2
CSMAT-482	Advanced Operating Systems	2
CSMAT-483	Data Visualization Tools	2
CSMAT-484	ASP.net Core Programming	2
CSMAT-485	Machine Learning	2
CSMAP-486	Advanced Operating Systems and Data Visualization Tools Laboratory	2
CSMAP-487	ASP.Net Core and Machine Learning Laboratory	2
Major Elective		
CSMET-481A	ReactJS	2
CSMEP-482A	ReactJS Laboratory	2
OR		
CSMET-481B	Big Data Analytics	2
CSMEP-482B	Big Data Analytics Laboratory	2
OJT (On Job Training)		
CSOJP-481	On Job Training	4

Total Credits :22