



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. (Computer Science) /B.Sc. Honors (Computer Science)
(Three Years B. Sc. and Four Years B. Sc. Honors Program)

Choice Based Credit System [CBCS]

Under

Autonomy and NEP-2020

From Academic Year

2024-2025

Syllabus

Computer Science

Board of Studies Computer Science

S.Y.B.Sc. Computer Science Syllabus 2024 Pattern
Academic Year 2024-25 SEMESTER-III

Paper Code	Title	Credits
Major Semester-III		
CSMAT-231	Data Structure and Algorithms-I	2
CSMAT-232	Python Programming	2
CSMAP-233	Data Structure and Algorithms I and Python Lab	2
Minor SEM-III		
ELMIT-231	Microcontroller and embedded systems	2
ELMIP-232	Electronics practical Lab- 2A	2
MTMIT-231	Numerical Techniques	2
MTMIP-232	Python Programming language I	2
Vocational Skill Course Sem-III		
CSVST-231	Software Engineering	2
Vocational Skill Course Sem-IV		
Skill Enhancement Course Sem-IV		
Indian Knowledge Systems Sem-III		
CSIKT-231	Vedic Mathematics	2
Field Project Sem-III		
CSFPP-231	Field Project	2
Community Engagement Program Sem-IV		
General Elective Sem-III(For Arts and Commerce Students)		
CSGET-231	Information Securities	2
General Elective Sem-IV(For Arts and Commerce Students)		
Ability Enhance Course (AEC) Sem-III and IV		
ENAET-231	English Communication and Soft Skills-I	2
Co-Curricular Course Sem-III and VI		
CCHRT-231	Human Rights :An Introduction	2

S.Y.B.Sc. Computer Science Syllabus 2024 Pattern
Academic Year 2024-25 SEMESTER-IV

Paper Code	Title	Credits
Major Semester-IV		
CSMAT-241	Data Structure and Algorithms -II	2
CSMAT-242	Advanced Python	2
CSMAP-243	Data Structure and Algorithms-II and Advanced Python Lab	2
Minor SEM-IV		
ELMIT-241	Communication Systems	2
ELMIP-242	Electronics practical Lab - 2B	2
MTMIT-241	Operations Research	2
MTMIP-242	Practical on Operations Research using Python	2
Vocational Skill Course Sem-IV		
CSVSP-241	Web Designing	2
Skill Enhancement Course Sem-IV		
STSEP-241	Statistical Computing using 'R'	2
Community Engagement Program Sem-IV		
CSCEP-241	Community Engagement Project	2
General Elective Sem-IV(For Arts and Commerce Students)		
CSGET-241	HTML5 and CSS	2
Ability Enhance Course (AEC) Sem-III and IV		
ENAET-241	English Communication and Soft Skills-II	2
Co-Curricular Course Sem-III and VI		
CCCST-241	Cyber Security	2