



**Pune District Education Association's
Annasaheb Magar Mahavidyalaya**

Hadapsar, Pune -411028

NAAC Reaccredited B grade



**SAVITRIBAI PHULE
PUNE UNIVERSITY**

**Two Year Degree Program in Computer Science
(Faculty of Science & Technology)**

**Course structure
for
Academic Year 2020-21**

M.Sc. (Computer Science) Part-I

Choice Based Credit System Syllabus

Implemented from Academic Year 2019-2020

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment			
					IA	UE	Total	
I Year Sem-I	Core Compulsory Theory Paper	CSUT111	Paradigm of Programming Language	4	30	70	100	
		CSUT112	Design and Analysis of Algorithms	4	30	70	100	
		CSUT113	Database Technologies	4	30	70	100	
	Choice Based Optional Paper	CSDT114	Cloud computing	2	15	35	50	
		CSDP114	Cloud Computing Practical	2	15	35	50	
		OR						
		CSDT114	Artificial Intelligence	2	15	35	50	
		CSDP114	Artificial Intelligence Practical	2	15	35	50	
		OR						
		CSDT114	Web Services	2	15	35	50	
		CSDP114	Web Services Practical	2	15	35	50	
Core Compulsory Practical Paper	CSUP115	PPL and Database Technologies Practical	4	30	70	100		

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment			
					IA	UE	Total	
I Year Sem-II	Core Compulsory Theory Paper	CSUT121	Advanced Operating System	4	30	70	100	
		CSUT122	Mobile Technologies	4	30	70	100	
		CSUT123	Software Project Management	4	30	70	100	
	Choice Based Optional Paper	CSDT124	Project	2	15	35	50	
		CSDP124	Project related Assignments	2	15	35	50	
		OR						
		CSDT124	Human Computer Interaction	2	15	35	50	
		CSDP124	Human Computer Interaction Practical	2	15	35	50	
		OR						
		CSDT124	Soft Computing	2	15	35	50	
		CSDP124	Soft Computing Practical	2	15	35	50	
Core Compulsory Practical Paper	CSUP125	Practical on Advanced OS & Mobile Technologies	4	30	70	100		

IA :- Internal Assessment, UE :- University Examination

M.Sc.- II (Computer Science)

Choice Based Credit System Syllabus

To be implemented from Academic Year 2020-2021

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment			
					IA	UE	Total	
II Year Sem-III	Core Compulsory Theory Paper	CSUT231	Software Architecture and Design Patterns	4	30	70	100	
		CSUT232	Machine Learning	4	30	70	100	
		CSUT233	Web Frameworks	4	30	70	100	
	Choice Based Optional Paper	CSDT234A	Big Data Analytics	2	15	35	50	
		CSDP234A	Big Data Analytics Practical	2	15	35	50	
		OR						
		CSDT234B	Web Analytics	2	15	35	50	
		CSDP234B	Web Analytics Practical	2	15	35	50	
		OR						
		CSDT234C	Project	2	15	35	50	
	CSDP234C	Project related Assignments	2	15	35	50		
	Core Compulsory Practical Paper	CSUP235	Practical on CSUT231, CSUT232 and CSUT233	4	30	70	100	

Year/ Sem	Course Type	Course Code	Course Name	Credit	% of Assessment		
					IA	UE	Total
II Year Sem-IV	Core	CSUIT241	Industrial Training /Institutional project	20	150	350	500

IA :- Internal Assessment, UE :- University Examination