Punyashlok Ahilyadevi Holkar Solapur University, Solapur

NAAC Accredited-2015
'B' Grade (CGPA 2.62)

Name of the Faculty: Science & Technology

CHOICE BASED CREDIT SYSTEM

Syllabus: Computer Science & Engineering

Name of the Course: B.E.- IV (Sem. VII & VIII)

(Syllabus to be implemented from w.e.f. June 2019)

PUNYASHLOK AHILYADEVI HOLKAR SOLAPUR UNIVERSITY, SOLAPUR

Faculty of Engineering & Technology

Structure of B.E.Computer Science and Engineering wef. 2019-2020

Choice Based Credit System Syllabus

Semester I

Course Code	Theory Course Name	Hrs./week			Credits	Examination Scheme			
		L	T	P		ISE	ESE	ICA	Total
CS411	Advanced Computer Architecture	3	1	--	4	30	70	25	125
CS412	Distributed Systems	3	--	--	3	30	70	--	100
CS413	Modern Database Systems	4	--	--	4	30	70	--	100
CS 414A to CS 414C	Elective –I	3	--	--	3	30	70	--	100
CS 415A to CS 415C	Elective-II	3	1	--	4	30	70	25	125
CS416	# Programming with Python	2	--	--	2	--	--	25	25
	Sub Total	**18**	**02**		**20**	**150**	**350**	**75**	**575**
	Laboratory						**POE** **OE**		
CS412	Distributed Systems	--	--	2	1	--	-- --	25	25
CS413	Modern Database Systems	--	--	2	1	--	50 --	25	75
CS416	Programming with Python	--	--	2	1	--	50 --	--	50
CS417	Project Phase-I	--	--	4	2	--	50 --	25	75
CS418	Vocational Training	--	--		1	--	-- --	25	25
	Sub Total				6		**150** **--**	**100**	**250**
	Grand Total	**18**	**02**	**10**	**26**	**150**	**500**	**175**	**825**

Abbreviations: L- Lectures, P –Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment, ESE - University Examination (Theory &/ POE &/Oral examination)

Semester II

Course Code	Theory Course Name	Hrs./week			Credits	Examination Scheme			
		L	T	P		ISE	ESE	ICA	Total
CS421	Management Information System	3	1	--	4	30	70	25	125
CS422	Information and Cyber Security	3	--	--	3	30	70	--	100
CS423A to CS423C	Elective-III	3	1	--	4	30	70	25	125
CS424A to CS424C	Elective-IV	3	--	--	3	30	70	--	100
CS425	# Web Technology	2	--	--	2	25	--	--	25
	Sub Total	**14**	**02**	**--**	**16**	**145**	**280**	**50**	**475**
	Laboratory						**POE** **OE**		
CS422	Information and Cyber Security	--	--	2	1	--	50 --	25	75
CS425	Web Technology	--	--	4	2	--	50 --	25	75
CS424	Elective-IV	--	--	2	1		-- --	25	25
CS426	Project Phase-II	--	--	6	3	--	100 --	75	175
	Sub Total		--		**7**		**200**	**150**	**350**
	Grand Total	**14**	**02**	**14**	**23**	**145**	**480**	**200**	**825**

Abbreviations: L- Lectures, P –Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment, ESE - University Examination (Theory &/ POE &/Oral examination)

Elective I CS414A : Internet of Things CS414B : Wireless Adhoc Networks CS414C : Artificial Intelligence	**Elective II** CS415A : Business Intelligence CS415B : Data Mining CS415C : Object Oriented Modeling and Design
Elective III CS423A : Big data Analytics CS423B : Human Computer Interaction CS423C : Artificial Neural Network	**Elective IV** CS424A : Software Testing and Quality Assurance CS424B : Cloud Computing CS424C : Machine Learning

Note: Appropriate electives may be added or deleted as and when required.

Note :

- Batch size for the practical /tutorial shall be of 15 students. On forming the batches, if the strength of remaining student exceeds 7, then a new batch shall be formed.
- Vocational Training (evaluated at B.E. Part-I) of minimum 15 days shall be completed in any vacation after S.E. Part-II but before B.E. Part-I & the report shall be submitted and evaluated in B.E. Part-I
- Appropriate Elective I & II Subjects may be added when required.
- Curriculum for Humanities and Social Sciences Self Learning Modules is common for all under graduate programmes of faculty of Engineering and Technology
- Project group for B.E.(CSE) Part I and Part II shall be of size 4 to 5 students
- Term work assessment shall be a continuous process based on student's performance in – class tests, assignments, homework, subject seminars, quizzes, laboratory books and their interaction and attendance for theory and lab sessions as applicable