



**SOLAPUR UNIVERSITY, SOLAPUR**  
**Faculty of Engineering & Technology (Revised from 2015-2016)**

*Credit System structure of B.E. Computer Science & Engineering (W.E.F. 2017-2018)(CGPA)*

*Semester I*

Theory Course Name	Hrs./week			Credits	Examination Scheme				
	L	T	P		ISE	ESE	ICA	Total	
Advanced Computer Architecture	3	–	–	3	30	70	25	125	
Distributed systems	3	–	–	3	30	70		100	
Modern Database systems	4	-	–	4	30	70		100	
Elective-I	3		–	3	30	70	25	125	
Elective - II	3		–	3	30	70	25	125	
<b>Sub Total</b>	16		–	16	150	350	75	575	
<b>Laboratory</b>									
						<b>ESE</b>			
						<b>POE</b>	<b>OE</b>		
Distributed systems	–	–	2	1	–		--	25	25
Modern Database systems	–	–	4	2	–	50		<b>25</b>	75
Lab-I Project phase I	--	--	4	2	--	–	50	50	100
Lab-II Python	2	–	2	3	–	–	–	50	50
Vocational Training	–	–	–	1	–	–	–	25	25
<b>Sub Total</b>	--	-	12	9		100		175	275
<b>Grand Total</b>	<b>18</b>		<b>12</b>	<b>25</b>	<b>150</b>	<b>450</b>	<b>250</b>	<b>850</b>	

Note: 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)



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*Semester II*

Theory Course Name	Hrs./week			Credits	Examination Scheme			
	L	T	P		ISE	ESE	ICA	Total
Management Information System	3	–	–	3	30	70	25	125
Information & Cyber Security	3	–	–	3	30	70	-	100
Eletive-III	3		–	3	30	70	25	125
Elective – IV	3		–	3	30	70	25	125
<b>Sub Total</b>	12		–	12	120	280	75	475
<b>Laboratory/Workshop</b>								
						<b>ESE</b>		
						<b>POE</b>	<b>OE</b>	
Information & Cyber Security	–	–	2	1	–	25		25
Lab I-Web Technology	2	–	4	3	–	50	–	25
Lab II-Project Phase II	–	–	6	3	–	100	–	100
Lab III –Open Source Tehnology	2	–	2	3	–	–		50
<b>Sub Total</b>		–	14	10	–	175		200
<b>Grand Total</b>	<b>16</b>		<b>14</b>	<b>22</b>	<b>120</b>	<b>455</b>		<b>850</b>

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***Elective – I***

1. Human Computer Interaction
2. Digital signal Processing
3. Software Testing & Quality Assurance
4. Business Intelligence

***Elective – III***

1. Data Warehousing & Mining
2. Image Processing
3. Information Retrieval
4. Cloud Computing

***Elective – II***

1. Object Oriented Modeling & Design
2. Wireless Ad hoc networks
3. Intelligent Systems
4. Mobile Application Development

***Elective – IV***

- 1 Storage Area Network
- 2 Web 2.0 & Rich Internet Application
- 3 Artificial Neural network
- 4 Big Data Analytics

**Note –**

- Batch size for the practical /tutorial shall be of 15 students. On forming the batches, if the strength of remaining students 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
- For project, the group shall be about 4 /5 students.
- Minimum strength of the students for Electives be 15..
- The term-work will be assessed based on continuous internal evaluation including class tests, assignments, performance in laboratories, Interaction in class, quizzes, group discussions as applicable
- A new elective may be introduced at SEMESTER I / II on any advanced topic in Computer Science and Engineering with prior permission from University.