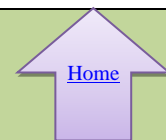


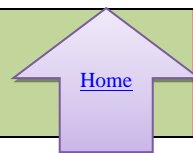
**Savitribai Phule Pune University**  
**Third Year of Computer Engineering (2019 Course)**  
 (With effect from Academic Year 2021-22)



**Semester V**

Course Code	Course Name	Teaching Scheme (Hours/week)			Examination Scheme and Marks						Credit Scheme				
		Lecture	Practical	Tutorial	Mid-Sem	End-Sem	Term work	Practical	Oral	Total	Lecture	Practical	Tutorial	Total	
310241	<a href="#">Database Management Systems</a>	03	-	-	30	70	-	-	-	100	03	-	-	03	
310242	<a href="#">Theory of Computation</a>	03	-	-	30	70	-	-	-	100	03	-	-	03	
310243	<a href="#">Systems Programming and Operating System</a>	03	-	-	30	70	-	-	-	100	03	-	-	03	
310244	<a href="#">Computer Networks and Security</a>	03	-	-	30	70	-	-	-	100	03	-	-	03	
310245	<a href="#">Elective I</a>	03	-	-	30	70	-	-	-	100	03	-	-	03	
310246	<a href="#">Database Management Systems Laboratory</a>	-	04	-	-	-	25	25	-	50	-	02	-	02	
310247	<a href="#">Computer Networks and Security Laboratory</a>	-	02	-	-	-	25	-	25	50	-	01	-	01	
310248	<a href="#">Laboratory Practice I</a>	-	04	-	-	-	25	25	-	50	-	02	-	02	
310249	<a href="#">Seminar and Technical Communication</a>	-	-	01	-	-	50	-	-	50	-	-	01	01	
<b>Total</b>		<b>15</b>	<b>10</b>	<b>01</b>	<b>150</b>	<b>350</b>	<b>125</b>	<b>50</b>	<b>25</b>	<b>700</b>	<b>15</b>	<b>05</b>	<b>01</b>	<b>21</b>	
310250	<a href="#">Audit Course 5</a>											<b>Grade</b>			
<b>Total Credit</b>											<b>15</b>	<b>05</b>	<b>01</b>	<b>21</b>	
<b>310245 Elective I Options:</b>						<b>310250 Audit Course 5 Options:</b>									
310245(A) <a href="#">Internet of Things and Embedded Systems</a>						310250 (A) <a href="#">Cyber Security</a>									
310245(B) <a href="#">Human Computer Interface</a>						310250 (B) <a href="#">Professional Ethics and Etiquettes</a>									
310245(C) <a href="#">Distributed Systems</a>						310250 (C) <a href="#">Learn New Skills</a>									
310245(D) <a href="#">Software Project Management</a>						310250 (D) <a href="#">Engineering Economics</a>									
						310250 (E) <a href="#">Foreign Language</a>									
<b>Laboratory Practice I</b>															
Assignments from <b>Systems Programming and Operating System</b> and <b>Elective I</b>															

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**Semester VI**

Course Code	Course Name	Teaching Scheme (Hours/week)			Examination Scheme and Marks						Credit Scheme				
		Lecture	Practical	Tutorial	Mid-Sem	End-Sem	Term work	Practical	Oral	Total	Lecture	Practical	Tutorial	Total	
310251	<a href="#">Data Science and Big Data Analytics</a>	04	-	-	30	70	-	-	-	100	03	-	-	03	
310252	<a href="#">Web Technology</a>	04	-	-	30	70	-	-	-	100	03	-	-	03	
310253	<a href="#">Artificial Intelligence</a>	04	-	-	30	70	-	-	-	100	03	-	-	03	
310254	<a href="#">Elective II</a>	04	-	-	30	70	-	-	-	100	03	-	-	03	
310255	<a href="#">Internship**</a>	-	-	-	-	-	100**	-	-	100	-	-	-	04**	
310256	<a href="#">Data Science and Big Data Analytics Laboratory</a>	-	04	-	-	-	50	25	-	75	-	02	-	02	
310257	<a href="#">Web Technology Laboratory</a>	-	02	-	-	-	25	-	25	50	-	01	-	01	
310258	<a href="#">Laboratory Practice II</a>	-	04	-	-	-	50	25	-	75	-	02	-	02	
<b>Total</b>		<b>12</b>	<b>10</b>	<b>-</b>	<b>120</b>	<b>280</b>	<b>225</b>	<b>50</b>	<b>25</b>	<b>700</b>	<b>12</b>	<b>09</b>	<b>-</b>	<b>21</b>	
310259	<a href="#">Audit Course 6</a>											<b>Grade</b>			
<b>Total</b>		<b>12</b>	<b>09</b>	<b>-</b>											<b>21</b>
<b>310254 Elective II Options:</b>						<b>310259 Audit Course 6 Options:</b>									
310254(A) <a href="#">Information Security</a>						310259(A) <a href="#">Digital and Social Media Marketing</a>									
310254(B) <a href="#">Augmented and Virtual Reality</a>						310259(B) <a href="#">Sustainable Energy Systems</a>									
310254(C) <a href="#">Cloud Computing</a>						310259(C) <a href="#">Leadership and Personality Development</a>									
310254(D) <a href="#">Software Modeling and Architectures</a>						310259(D) <a href="#">Foreign Language</a>									
						310259(E) <a href="#">Learn New Skills</a>									
<b>Laboratory Practice II:</b>															
Assignments from <b>Artificial Intelligence</b> and <b>Elective II</b> .															
<b>** Internship:</b>															
<b>Internship</b> guidelines are provided in course curriculum sheet.															
<b>\$\$ Hours/Week for Theory Course in Third Year of Engineering, Semester VI:</b>															
As per the apex bodies' recommendations and guidelines, it is need of the day to train the pre-final year students for the industrial readiness through internship. As per the guidelines of AICTE, the duration of internship is 4-6 weeks after completion of semester V and before commencement of semester VI, so it is apparent that the contact hours of the TE students need to be managed meticulously. It becomes mandatory as per the structure that 4 credits for internship must be earned by the students. <b>Per semester, 15 weeks duration that is suggested ideally by the affiliated university will eventually reduce to fruitful 12 weeks after the implementation of the revised curriculum (2019 Course). With the evaluatory introduction of internship in the structure, we are left with the choice of 4 theory courses in the sixth semester with 12 weeks instead of traditional 15 weeks.</b> To balance the credits and to achieve the minimum required contact hours, it is the reasonable choice to allot 4 hours / week for each theory course of the sixth semester of Third year of Engineering. The additional one lecture/ week will definitely be instrumental in achieving the largest of minimum contact hours. As such there is no correspondence of weekly load and credits earned, the credit allotted per course remain intact despite of the change. <b>So it is almost imperative that the commencement of VI Semester need to be approx. 3 weeks beyond the schedule.</b>															