

# SNDT Women's University, Mumbai

## Bachelor of Computer Application (Only for Women's) (BCA)

**Duration of Course** : 3 Year

**Eligibility** : 12<sup>th</sup> Passed (Any Stream)

### Semester I

Code	Subject	Credits		
		Theory	Practical	Total
1101	Business and technical communication Skills	4	-	4
1102	Principles and practice of accounting	4	-	4
1103	Introduction to programming and problem Solving using c	4	-	4
1104	Computer fundamentals and operating Systems	4	-	4
1201	Problem solving using c lab	-	2	2
1202	GNU /Linux lab	-	2	2
<b>Total</b>		<b>16</b>	<b>4</b>	<b>20</b>

### Semester II

Code	Subject	Credits		
		Theory	Practical	Total
2101	Introduction to logic circuits and digital Design	4	-	4
2102	Discrete structures and graph theory	4	-	4
2103	Advanced C	4	-	4
2104	Environmental science & RTI	4	-	4
2201	Advanced C lab	-	2	2
2202	Open source operating system and Applications software's lab*	-	2	2
<b>Total</b>		<b>16</b>	<b>4</b>	<b>20</b>

### Semester III

Code	Subject	Credits		
		Theory	Practical	Total
3101	Introduction to microprocessor	4	-	4
3102	Numerical methods and algorithms	4	-	4
3103	Computer organization and architecture	4	-	4
3104	File structure and database management System	4	-	4
3201	Microprocessors lab*	-	2	2
3202	Database management system lab	-	2	2
<b>Total</b>		<b>16</b>	<b>4</b>	<b>20</b>

### Semester IV

Code	Subject	Credits		
		Theory	Practical	Total
4101	Data structures and file organization	4	-	4
4102	Information systems analysis and design	4	-	4
4103	Introduction to software engineering	4	-	4
4104	Object oriented programming using C++	4	-	4
4201	Data structures lab	-	2	2
4202	Object oriented programming C++ lab	-	2	2
<b>Total</b>		<b>16</b>	<b>4</b>	<b>20</b>
<b>Semester V</b>				
Code	Subject	Credits		
		Theory	Practical	Total
5001	Introduction to Statistical Methods & Numerical Methods	4	-	4
5002	Java programming (Theory)	2	-	2
5003	Java programming (Practical)	-	2	2
5004	Pc maintenance	-	2	2
5005	Management Information system	4	-	4
5006	Introduction to Software Engineering	4	-	4
5007	Web technology – I (Theory)	2	-	2
5008	Web technology – I (Practical)	-	2	2
5009	Mini project	-	2	2
<b>Total</b>		<b>16</b>	<b>8</b>	<b>24</b>
<b>Semester VI</b>				
Code	Subject	Credits		
		Theory	Practical	Total
6001	Open Source Programming (Theory)	2	-	2
6002	Open Source Programming (Practical)	-	2	2
6003	System Software	4	-	4
6004	Web Technology – II (Theory)	2	-	2
6005	Web Technology – II (Practical)	-	2	2
6006	ERP	4	-	4
6008	Project	8	-	8
<b>Total</b>		<b>18</b>	<b>4</b>	<b>24</b>