

**SNDT Women's University**  
**Syllabus**  
**Syllabus Masters of Science**  
**in**  
**Computer Science (MSc-CS)**



**SNDT Women's University**  
**Sir Vithaldas Thackersey Vidyavihar,**  
**Juhu Road, Santacruz West, Mumbai 400 049.**  
**(Applicable to students taking admission in and after 2019)**

(Sem I, II, III and IV: Modified on 6<sup>th</sup> July 2019 Ad-hoc BOS)

*Achaware*  
Head, P.G. Department  
of Computer Science  
S.N.D.T. Women's University

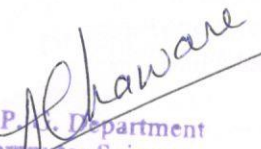
**Master of Science (Computer Science) [M. Sc. (CS)]**

**SEMESTER-I**

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
1101	Operating Systems	4		4	50	50	100
1102	Software Engineering and Project Management	4	-	4	50	50	100
1103	Advanced Data Structures with C Programming	4	-	4	50	50	100
1104	Cyber Security	4	-	4	50	50	100
1105	Data Communications and Networking	4	-	4	50	50	100
1201	Operating Systems Lab	-	2	2	25	25	50
1202	C and Data Structures Lab	-	2	2	25	25	50
<b>Total</b>					<b>24</b>		<b>600</b>

**MSC-CS SEMESTER-II**

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
2101	Web Technology	4		4	50	50	100
2102	Computer Organization and Architecture	4	-	4	50	50	100
2103	Database Management Systems	4	-	4	50	50	100
2104	Design & Analysis of Algorithms	4	-	4	50	50	100
2105	Elective-I	4	-	4	50	50	100
2201	Web Technologies lab	-	2	2	25	25	50
2202	Database Management Systems Lab	-	2	2	25	25	50
<b>Total</b>					<b>24</b>		<b>600</b>

  
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 Santacruz (W), Mumbai-49.

### MSC-CS SEMESTER-III

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
3101	OOP with Java	4		4	50	50	100
3102	Dataware housing, Data Mining and Business Intelligence	4	-	4	50	50	100
3103	Research Methodology and Statistics	4	-	4	50	50	100
3104	Mobile Application Development using Android Programming	4	-	4	50	50	100
3105	Elective-II	4	-	4	50	50	100
3201	Java Lab	-	2	2	25	25	50
3202	Android programming lab	-	2	2	25	25	50
<b>Total</b>					<b>24</b>		<b>600</b>

### MCA SEMESTER-IV

Code	Subject	L	Pr.	Cr.	Int. Exam.	Ext. Exam.	Total Marks
4101	Research Seminar	4		4	50	50	100
4102	Intership-Project	4	-	4	50	50	100

<b>Elective-I</b>	<b>Elective-II</b>
1. Software Testing and Tools	1. Image Processing
2. Big Data Analytics	2. Digital Forencies
3. Computer Graphics	3. Geographical Information Systems
4. Enterprise Resource Planning	4. Internet of Things
	5. Multimedia and System Design

SEMESTER				1 Credit = 25 Marks Total Credits = 96 Total Marks = 96*25 = 2400
I	II	III	IV	
24	24	24	24	

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*A. K. Pawar*