# MSc credit system structure and syllabus

## With Effect from Academic Year 2020-21

Depa	rtment of Computer Scie	ence, SPPU
	ourse: M.Sc. (Computer S	
Duration: 02 Years		
Total No. of credits for	the Course:	
Semester	Core Course Credits	<b>Elective Course Credits</b>
1	20	0
2	20	0
3	8	12
4	4	16
Total Credits (80)	52	28
	M.Sc. (Computer Science) Semes	ter I
Subject Code	Subject Title	Number of Credits
CS-101	Programming – 1	4
CS-102	Systems- 1	4
CS-103	Mathematics of Computation- 1	4
CS-104	<b>Mathematics of Computation- 2</b>	4
CS-105	Database Management System	4
UGC recommended	Skill Development I and II	2
UGC recommended	HRE I	1
Total Credits		20+3
	M.Sc. (Computer Science) Semest	er II
Core Courses		
Subject Code	Subject Title	Number of Credits
CS-201	Programming – 2	4
CS-202	Programming – 3	4
CS-203	Systems-2	4
CS-204	Systems-3	4
CS-205	Theory of Computation	4
UGC recommended	Skill Development III and IV	2
UGC recommended	HRE II	1
Total Credits		20+3

### **Department of Computer Science, SPPU**

**Course: M.Sc. (Computer Science)** 

M.Sc. (Computer Science) Semester III

#### **Core Courses**

Subject Code	Subject Title	Number of Credits
CS-301	Systems-4	4
CS-302	Formal Methods-1	4
CS-303	Elective-1	4
**CS-MCP/CS-304	Degree Project-1/Elective-2	4
**CS-MCP/CS-305	Degree Project-1/Elective-3	4
UGC recommended	Cyber Security - 1 and 2	2
Total Credits		20+2

\*\*The candidate is permitted to choose either 0/1/2 elective courses or can work on degree project for 0/4/8 credits. The total number of credits for degree project are 8 (Eight) and the same are distributed across the second year of degree program.

### M.Sc. (Computer Science) Semester IV

#### **Core Courses**

Subject Code	Subject Title	Number of Credits
CS-401	Formal Methods - 2	4
**CS-MCP/CS-402	Degree Project-2/Elective-4	4
**CS-MCP/CS-403	Degree Project-2/Elective-5	4
CS-404	Elective-6	4
CS-405	Elective-7	4
UGC recommended	Cyber Security - 3 and 4	2
Total Credits		20+2