

**Department of MCA**  
**NPTEL courses Mapped to Curriculum**

**FIRST SEM**

Semster	Subject	Chapter (if applicable)	Course Name	Current Semster Course home Page link	Week No ( if applicable)	Course Repo of past courses (https://nptel.ac.in/course.html)
I	Mathematical Foundation for Computer Science 1	ALL CHAPTERS	Probability and Statistics	<a href="https://onlinecourses-nptel.ac.in/noc19_ma08/preview">https://onlinecourses-nptel.ac.in/noc19_ma08/preview</a>	1,2,3,6,12,13	<a href="https://nptel.ac.in/noc/courses/noc19/SEM1/noc19-ma08/">https://nptel.ac.in/noc/courses/noc19/SEM1/noc19-ma08/</a>
	Advanced Java					
	Advanced Database Management System	Unit 2,3,4	Data Mining	<a href="https://nptel.ac.in/courses/106/105/106105174/">https://nptel.ac.in/courses/106/105/106105174/</a>	1,2,3,4	<a href="https://nptel.ac.in/courses/106/105/106105174/">https://nptel.ac.in/courses/106/105/106105174/</a>
	Software Project Management	1,2	Software Engineering	<a href="https://onlinecourses-nptel.ac.in/noc21_cs65/preview">https://onlinecourses-nptel.ac.in/noc21_cs65/preview</a>	1,2	<a href="https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-cs68/">https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-cs68/</a>
	Data Structures Lab with C and / C++	Unit 1, 2, 3, 4, 5, 6	Programming, Data Structures And Algorithms Using Python	<a href="https://onlinecourses-nptel.ac.in/noc21_cs67/preview">https://onlinecourses-nptel.ac.in/noc21_cs67/preview</a>	3, 7 and 8	<a href="https://nptel.ac.in/noc/courses/noc21/SEM1/noc21-cs21">https://nptel.ac.in/noc/courses/noc21/SEM1/noc21-cs21</a>

**SECOND SEM**

Semster	Subject	Chapter (if applicable)	Course Name	Course home Page link	Week No ( if applicable)	Course home Page link (https://nptel.ac.in/course.html)
II	Mathematical Foundation for Computer Science 2	Unit 1,2,3,4	Operations Research	<a href="https://onlinecourses-nptel.ac.in/noc20_ma45/preview">https://onlinecourses-nptel.ac.in/noc20_ma45/preview</a>	1,2,3,6,7,8	<a href="https://nptel.ac.in/noc/courses/noc19/SEM2/noc19-ma29/">https://nptel.ac.in/noc/courses/noc19/SEM2/noc19-ma29/</a>
	Artificial Intelligence and Machine Learning	Unit 1,2	Artificial Intelligence : Search	<a href="https://onlinecourses-nptel.ac.in/noc21_cs79/preview">https://onlinecourses-nptel.ac.in/noc21_cs79/preview</a>	1,2,3	<a href="https://onlinecourses-nptel.ac.in/noc21_cs79/preview">https://onlinecourses-nptel.ac.in/noc21_cs79/preview</a>
	Information Security	All Chapters	Cryptography and Network Security	<a href="https://nptel.ac.in/courses/106/105/106105162/">https://nptel.ac.in/courses/106/105/106105162/</a>	1,2,3,4,5,8,9,11,12	<a href="https://onlinecourses-nptel.ac.in/noc21_cs16/preview">https://onlinecourses-nptel.ac.in/noc21_cs16/preview</a>
	Image Processing -Elective 1	unit 2,4,5,6	Digital Image Processing	<a href="https://onlinecourses-nptel.ac.in/noc21_ee78/preview">https://onlinecourses-nptel.ac.in/noc21_ee78/preview</a>	5,6,7,8,9,10	<a href="https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-ee75/">https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-ee75/</a>
	Internet Of Things -Elective 1	Unit 1,2,3,4	IOT	<a href="#">Link</a>	1,2,3	<a href="#">Link</a>
	Internet Of Things Lab -Elective 1	Unit 1,2,3,4,5	IOT	<a href="#">Link</a>	6,7,8	<a href="#">Link</a>

**THIRD SEM**

Semster	Subject	Chapter (if applicable)	Course Name	Course home Page link	Week No ( if applicable)	Course home Page link (https://nptel.ac.in/course.html)
III	Big Data Analytics and Visualization	Unit 1: Introduction to Big Data Analytics and Visualization	Big Data Analytics and Visualization	<a href="https://www.google.com/url?q=https://onlinecourses-nptel.ac.in/noc21_ee78/preview">https://www.google.com/url?q=https://onlinecourses-nptel.ac.in/noc21_ee78/preview</a>	3 weeks	<a href="https://onlinecourses-nptel.ac.in/noc20_cs92/">https://onlinecourses-nptel.ac.in/noc20_cs92/</a>
	Distributed System and Cloud Computing	Unit 4,5,6	Cloud computing	<a href="https://onlinecourses-nptel.ac.in/noc21_cs62/preview">https://onlinecourses-nptel.ac.in/noc21_cs62/preview</a>	1,2,3,4,5	<a href="https://nptel.ac.in/noc/courses/noc21/SEM1/noc21-cs14/">https://nptel.ac.in/noc/courses/noc21/SEM1/noc21-cs14/</a>
		Unit 1,2,3	Distributed Systems	<a href="https://onlinecourses-nptel.ac.in/noc21_cs87/preview">https://onlinecourses-nptel.ac.in/noc21_cs87/preview</a>	1,2,3,4	<a href="https://nptel.ac.in/courses/106106168/">https://nptel.ac.in/courses/106106168/</a>
	Blockchain	Unit 1,2,3,4	NOC:Introduction to Blockchain Technology and Applications	<a href="#">Link</a>	1,2,3	<a href="#">Link</a>
	Deep Learning	Unit 1,5,6	Deep Learning	<a href="https://onlinecourses-nptel.ac.in/noc21_cs76/preview">https://onlinecourses-nptel.ac.in/noc21_cs76/preview</a>	1,2,3,4,5,10,11	<a href="https://nptel.ac.in/courses/106/106/106106184/">https://nptel.ac.in/courses/106/106/106106184/</a>

Management Information System	Unit 1,2,3,4	Management Information System	<a href="https://onlinecourses.nptel.ac.in/noc21_mg89/preview">https://onlinecourses.nptel.ac.in/noc21_mg89/preview</a>	1,2,3,4,5	<a href="https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-mg60/">https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-mg60/</a>
Software Testing Quality Assurance Lab	Unit 1,2	Software Testing	<a href="https://onlinecourses.nptel.ac.in/noc21_cs73/preview">https://onlinecourses.nptel.ac.in/noc21_cs73/preview</a>	2-6, 9-11	<a href="https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-cs77/">https://nptel.ac.in/noc/courses/noc20/SEM2/noc20-cs77/</a>