

JAIPUR ENGINEERING COLLEGE & RESEARCH CENTRE, JAIPUR
Department of Computer Science & Engineering
E-content link

Course	Course code	Course Name	SWYAM PRABHA
U.G. Program in Computer Science & Engineering (SEM III)	3CS2-01	Advanced Engineering Mathematics	https://www.youtube.com/watch?v=gJXCvyZ2mhU&list=PL-8LShlBMljXgUazT_v8b2LKQMqaXpJ1M
	3CS1-03/ 4CS	Managerial Economics and Financial Accounting	swayam.gov.in/nd1_noc20_mg51/preview
	3CS3-04	Digital Electronics	https://www.youtube.com/watch?v=zgsIBknK2E
	3CS4-05	Data Structures and Algorithms	https://www.youtube.com/embed/P0sVLiJu_GY
	3CS4-06	Object Oriented Programming	https://nptel.ac.in/courses/106/105/106105151/
	3CS4-07	Software Engineering	https://nptel.ac.in/courses/106/105/106105182/
U.G. Program in Computer Science & Engineering (SEM IV)	4CS2-01	Discrete Mathematics Structure	swayam.gov.in/nd1_noc20_cs82/preview
	3CS1-02/4CS1	Technical Communication	swayam.gov.in/nd1_noc20_hs56/preview
	4CS3-04	Microprocessor & Interfaces	nptel.ac.in/courses/108/105/108105102
	4CS4-05	Database Management System	nptel.ac.in/courses/106/104/106104135
	4CS4-06	Theory Of Computation	nptel.ac.in/courses/106/103/106103070
	4CS4-07	Data Communication and Computer Networks	https://www.youtube.com/embed/Zr3rCu9nEXE
U.G. Program in Computer Science & Engineering (SEM V)	5CS3-01	Information Theory & Coding	https://nptel.ac.in/courses/117/101/117101053
	5CS4-02	Compiler Design	https://nptel.ac.in/courses/106/105/106105190/
	5CS4-03	Operating System	swayam.gov.in/nd1_noc20_cs75/preview
	5CS4-04	Computer Graphics & Multimedia	https://nptel.ac.in/courses/105/104/1051041
	5CS4-05	Analysis of Algorithms	swayam.gov.in/nd1_noc20_cs71/preview
	5CS5-11	Wireless Communication	https://nptel.ac.in/courses/117/102/117102062/
U.G. Program in Computer Science & Engineering (SEM VI)	6CS3-01	Digital Image Processing	swayam.gov.in/nd1_noc20_ee83/preview
	6CS4-02	Machine Learning	swayam.gov.in/nd1_noc20_cs73/preview
	6CS4-03	Information Security System	https://nptel.ac.in/courses/106/106/106106129/
	6CS4-04	Computer Architecture and Organization	swayam.gov.in/nd1_noc20_cs64/preview
	6CS4-05	Artificial Intelligence	swayam.gov.in/nd1_noc20_cs81/preview
	6CS4-06	Cloud Computing	https://onlinecourses.nptel.ac.in/noc21_cs15/preview
	6CS5-11	Distributed System	https://nptel.ac.in/courses/106/106/106106168/
U.G. Program in Computer Science	7CS4-01	Internet of Things	swayam.gov.in/nd1_noc20_cs66/preview
	7AG6-60.1	Human Engineering and safety	swayam.gov.in/nd1_noc20_mg43/preview
U.G. Program in Computer Science	8CS4-01	Big Data Analytics	swayam.gov.in/nd1_noc20_cs92/preview
	8EE6-60.2	Soft Computing (Elective)	swayam.gov.in/nd1_noc20_ge20/preview

Content Beyond

S.No	Topic	Swyam Prabha Link
1	Nature of a Class : Interface and Implementation	https://www.youtube.com/embed/K6-ZtX8cL0s
2	Groups : Introduction to Abstraction	http://www.youtube.com/embed/o2wGOOc5HxY
3	Quick Sort	https://www.youtube.com/embed/D1GTFLsLugY
4	Tree Walks / Traversals	https://www.youtube.com/embed/dPc5FXzrcN0
5	Elements of Object Model (Major) : Modularity and Hierarchy	https://www.youtube.com/embed/PEgagzOoJMg
6	A Tutorial on Network Protocols	https://www.youtube.com/embed/TbRVJKDC1rM
7	System Security	https://www.youtube.com/embed/GqLKpi7k_BQ

8	Queues and Linked Lists	https://www.youtube.com/embed/SeSFgNt3eKA
9	Elements of Object Model (Major) : Abstraction and Encapsulation	https://www.youtube.com/embed/RSDziX0Yy08
10	Sample Complexity : Finite Hypothesis Space	https://www.youtube.com/embed/nm4dYYP-SJs
11	Introduction to Database Management System	https://www.youtube.com/embed/EUzsy3W4I0g
12	How to Build Quality Classes and Objects	https://www.youtube.com/embed/fNCN8C3MN_k
13	Priority Inversion and Priority Inheritance Protocol	https://www.youtube.com/embed/5HOCeX5sXDk
14	Relationships among Classes	https://www.youtube.com/embed/cGRvbx-hWCw
15	Python Exercise on Kmeans Clustering	https://www.youtube.com/embed/qs7vES46Rq8
16	Finite State Methods for Morphology	https://www.youtube.com/embed/U5oHxrDVfMU
17	Real Time O.S. – II	https://www.youtube.com/embed/RhV8i1GZY2I
18	More on graph minors, tree decompositions	https://www.youtube.com/embed/zZbkLIWoIjc
19	Evaluation of Language Models, Basic Smoothing	https://www.youtube.com/embed/wBHbxPXkhqw
20	Introduction to Computational Learning Theory	https://www.youtube.com/embed/8hJ9V9-f2J8
21	Noisy Channel Model for Spelling Correction	https://www.youtube.com/embed/HmcolVdXVpE
22	Sensors and Signals	https://www.youtube.com/embed/I9pNBSiiZjU
23	Implementation of Elliptic Curve Cryptography	https://www.youtube.com/embed/_BCYCNygXm8