



GOA UNIVERSITY-COMPUTER ENGINEERING
LIST OF ONLINE NPTEL/SWAYAM COURSES (RC 19-20)

(July 2022 to November 2022)

Sr. No.	Course Id	Course Name (NPTEL Swayam Course)	SME Name	Institute	Duration	Credits	Link to Join
1	noc22-cs112	Demystifying Networking	Prof. Sridhar Iyer Prof. Kavya Alse	IITB	4 Weeks	1	https://onlinecourses.nptel.ac.in/noc22_cs112/preview
2	noc22-cs105	Scalable Data Science	Prof. Anirban Das gupta Prof. Sourangshu Bhattacharya	IITKGP	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_cs105/preview
3	noc22-cs121	Social Networks	Prof. Sudarshan Iyengar	IIT Ropar	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs121/preview
4	noc22-cs122	The Joy of Computing using Python	Prof. Sudarshan Iyengar Prof. Yayati Gupta	IIT Ropar	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs122/preview
5	noc22-de11	Introduction to robotics	Prof. Asokan T Prof. Balaraman Ravindran Prof. Krishna Vasudevan	IITM	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_de11/preview

6	noc22-hs77	Developing Soft Skills and Personality	Prof. T. Ravichandran	IITK	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_hs77/preview
7	noc22-cs70	Programming, Data Structures And Algorithms Using Python	Prof. Madhavan Mukund	CMI	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_cs70/preview
8	noc22-mg95	Ethics in Engineering Practice	Prof. Susmita Mukhopadhyay	IITKGP	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_mg95/preview
9	noc22-mg81	Entrepreneurship	Prof. C Bhaktavatsala Rao	IITM	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_mg81/preview
10	noc22-ee82	Introduction to Smart Grid	Prof. N. P. Padhy Prof. Premalata Jena	IITR	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_ee82/preview
11	noc22-cs75	Reinforcement Learning	Prof. Balaraman Ravindran	IITM	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs75/preview

12	noc22-cs69	Introduction To Haskell Programming	Prof. S. P Suresh	CMI	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_cs69/preview
13	noc22-cs74	Python for Data Science	Prof. Ragunathan Rengasamy	IITM	4 Weeks	1	https://onlinecourses.nptel.ac.in/noc22_cs74/preview
14	noc22-cs94	Hardware modeling using verilog	Prof. Indranil Sengupta	IITKGP	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_cs94/preview
15	noc22-hs109	Educational leadership	Prof. Atasi Mohanty	IITKGP	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_hs109/preview
16	noc22-cs79	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	Prof. Prabha Mandayam Prof. Anupama Ray Prof. Sheshashayee Raghunathan	IBM and IITM	4 Weeks	1	https://onlinecourses.nptel.ac.in/noc22_cs79/preview
17	noc22-cs72	Data Science for Engineers	Prof. Ragunathan Rengasamy Prof. Shankar Narasimhan	IITM	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_cs72/preview
18	noc22-hs74	Patent Drafting for Beginners	Prof. Feroz Ali	IITM	4 Weeks	1	https://onlinecourses.nptel.ac.in/noc22_hs74/preview
19	noc22-cs109	C-Based VLSI Design	Prof. Chandan Karfa	IITG	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs109/preview

20	noc22-cs81	Parameterized Algorithms	Prof. Neeldhara Misra Prof. Saket Saurabh	IIT Gandhinagar IMSC	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs81/preview
21	noc22-cs82	Getting Started with Competitive Programming	Prof. Neeldhara Misra	IIT Gandhinagar	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs82/preview
22	noc22-ge23	Introduction to Research	Prof. Edamana Prasad Prof. Prathap Haridoss	IITM	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_ge23/preview
23	noc22-cs126	Computational Complexity	Prof. Subrahmanyam Kalyanasundaram	IIT Hyderabad	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs126/preview
24	noc22-mg79	The Future of Manufacturing Business: Role of Digital Technologies	Prof. R. K. Amit Prof. U. Chandrasekhar	IITM	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_mg79/preview
25	noc22-mg100	Management Information System	Prof. Kunal Kanti Ghosh Prof. Saini Das Prof. Surojit Mukherjee	IITKGP	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_mg100/preview
26	noc22-mg70	Marketing research and analysis	Prof. J.K.Nayak	IITR	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_mg70/preview
27	noc22-hs134	Public Speaking	Prof. Binod Mishra	IITR	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_hs134/preview

28	noc22-hs78	Body language: Key to professional Success	Prof. Rashmi Gaur	IIT Roorkee	4 Weeks	1	https://onlinecourses.nptel.ac.in/noc22_hs78/preview
29	noc22-cs110	Multi-Core Computer Architecture - Storage and Interconnects	Prof. John Jose	IITG	8 Weeks	2	https://onlinecourses.nptel.ac.in/noc22_cs110/preview
30	noc22-cs117	Social Network Analysis	Prof. Tanmoy Chakraborty	IITD	12 Weeks	3	https://onlinecourses.nptel.ac.in/noc22_cs117/preview

Note:

1. The credits will be awarded based on the scheme proposed above.
2. Students should mandatorily undertake one NPTEL Course of only 3 credits from the above list of approved online courses during the V/ VI/VII Semester against VIIIth Semester course i.e. CE820 Elective –NPTEL/MOOC/SWAYAM.
3. The student shall submit the NPTEL/SWAYAM certificates to Goa University through Heads of Department while applying for the degree.