



IPS ACADEMY
INSTITUTE OF ENGINEERING AND SCIENCE

(A UGC Autonomous Institute, Affiliated to RGPV, Bhopal)

ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

List of MOOC Courses for Students:

S. No	Sem./ Yr.	Course with code	Course Name	Link
1	V/ III	PEC-EC501 (A) Electro Magnetic Theory & CNTL	Electromagnetic Theory	https://nptel.ac.in/courses
2	V/ III	PEC-EC501 (B) Information Theory and Coding	Information Theory	https://www.coursera.org/learn/information-theory
3	V/ III	PEC-EC501 (C) Data Communication	Data Communication	https://nptel.ac.in/courses
5	VI/III	PEC-EC601 (A) Machine Learning & Artificial Intelligence	Introduction to Machine Learning	https://nptel.ac.in/courses
6	VI/III	PEC-EC601 (B) Voice Communication and Switching Techniques	Data Communication	https://archive.nptel.ac.in/courses/106/105/106105082/
7	VI/III	PEC-EC601 (C) Probability and Stochastic Process	Introduction to Probability Theory and Stochastic Processes	https://onlinecourses.nptel.ac.in/noc21_ma66/preview
11	VII/IV	PEC-EC701 (A) Microwave Engineering	Microwave Engineering	https://onlinecourses.nptel.ac.in/noc20_ee91
12	VII/IV	PEC-EC701 (B) Digital Image Processing	Image Signal Processing	https://onlinecourses.nptel.ac.in/noc19_ee55
13	VII/IV	PEC-EC701 (C) Wireless Sensor Network	Wireless ADHOC Network	https://archive.nptel.ac.in/courses/106/105/106105160/
14	VII/IV	PEC-EC701 (D) Quantum Computing & Communication	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	https://onlinecourses.nptel.ac.in/noc21_cs103
15	VII/IV	PEC-EC703 (A) CMOS VLSI Design	CMOS VLSI Design	https://onlinecourses.nptel.ac.in/noc21_ee09

16	VII/IV	PEC-EC703 (B) Fuzzy Logic and its Applications	Fuzzy Sets, Logic and Systems & Applications	https://onlinecourses.nptel.ac.in/noc22_ee21
17	VII/IV	PEC-EC703 (C) Nano Electronics	Introduction to Nano Electronics	https://archive.nptel.ac.in/courses/117/108/117108047/
18	VII/IV	PEC-EC703 (D) SDR & Cognitive Radio	Basics of software defined Radios	https://onlinecourses.nptel.ac.in/noc22_ee78
22	VIII/IV	PEC-EC801 (A) Mobile and Satellite Communication	Satellite communication	https://archive.nptel.ac.in/noc/courses/noc17/SEM2/noc17-ec14/
23	VIII/IV	PEC-EC801 (B) Wireless Communication	Introduction to Wireless and Cellular Communications	https://onlinecourses.nptel.ac.in/noc21_ee66
24	VIII/IV	PEC-EC801 (C) Analog Mixed Signal Design	Analog IC Design	https://onlinecourses.nptel.ac.in/noc22_ee37
25	VIII/IV	PEC-EC802 (A) Computer Network	Computer Networks and Internet Protocol	https://onlinecourses.nptel.ac.in/noc22_cs19
26	VIII/IV	PEC-EC802 (B) TV & Radar Engineering	Principles and Techniques of Modern Radar Systems	https://onlinecourses.nptel.ac.in/noc19_ee58
27	VIII/IV	PEC-EC802 (C) Artificial Neural Network	Neural Network and it's Applicaion	https://archive.nptel.ac.in/courses/117/105/117105084/

The regulation of selection of MOC courses will be governed by ARR of Institute