

SAMRAT ASHOK TECHNOLOGICAL INSTITUTE, VIDISHA (M.P.)
DEPARTMENT OF ELECTRONICS ENGG.
Program: Electronics and Communication Engineering
(DECEMBER SESSION 2024-25)

POOL of online courses from NPTEL/ SWAYAM from which student may choose for obtaining **Minor Degree* in Electronics & Communication Engineering by earning 20 credits**
Two same/identical/similar content courses are not permitted for obtaining the minor degree.

Sno.	COURSE ID	DISCIPLINE	TITLE	DURATION	START DATE	END DATE
1	noc25-ee04	Electrical and Electronics Engineering	Analog Circuits	8 Weeks	January 20, 2025	March 14, 2025
2	noc25-ee12	Electrical and Electronics Engineering	Communication Networks	12 Weeks	January 20, 2025	April 11, 2025
3	noc25-ee23	Electrical and Electronics Engineering	Digital Signal Processing and its Applications	12 Weeks	January 20, 2025	April 11, 2025
4	noc25-ee39	Electrical and Electronics Engineering	Fundamentals of semiconductor devices	12 Weeks	January 20, 2025	April 11, 2025
5	noc25-ee43	Electrical and Electronics Engineering	Integrated Circuits and Applications	12 Weeks	January 20, 2025	April 11, 2025
6	noc25-ee48	Electrical and Electronics Engineering	Microprocessors and Interfacing	12 Weeks	January 20, 2025	April 11, 2025
7	noc25-ee49	Electrical and Electronics Engineering	Microprocessors and Microcontrollers	12 Weeks	January 20, 2025	April 11, 2025
8	noc25-ee53	Electrical and Electronics	Network Analysis	12 Weeks	January 20, 2025	April 11, 2025

* See guidelines applicable for obtaining Minor and Honors degree

		Engineering				
9	noc25-ee68	Electrical and Electronics Engineering	Principles of Communication Systems - I	12 Weeks	January 20, 2025	April 11, 2025
10	noc25-ee69	Electrical and Electronics Engineering	Principles of Digital Communication	12 Weeks	January 20, 2025	April 11, 2025
11	noc25-ee77	Electrical and Electronics Engineering	Signal Processing Techniques And Its Applications	12 Weeks	January 20, 2025	April 11, 2025
12	noc25-ee78	Electrical and Electronics Engineering	Signals and Systems	12 Weeks	January 20, 2025	April 11, 2025

* See guidelines applicable for obtaining Minor and Honors degree

POOL of online courses from NPTEL/ SWAYAM from which student may choose for obtaining Honors Degree* by earning extra 20 credits

Two same/identical/similar content courses are not permitted for obtaining the Honors degree.

Sno.	COURSE ID	DISCIPLINE	TITLE	DURATION	START DATE	END DATE
1	noc25-ee11	Electrical and Electronics Engineering	CMOS Digital VLSI Design	8 Weeks	January 20, 2025	March 14, 2025
2	noc25-ee34	Electrical and Electronics Engineering	Evolution of Air Interface towards 5G	8 Weeks	January 20, 2025	March 14, 2025
3	noc25-ee38	Electrical and Electronics Engineering	Fundamentals of MIMO Wireless Communication	8 Weeks	January 20, 2025	March 14, 2025
4	noc25-ee59	Electrical and Electronics Engineering	Optical Wireless Communications for Beyond 5G Networks and IoT	12 Weeks	January 20, 2025	April 11, 2025
5	noc25-ee83	Electrical and Electronics Engineering	VLSI Physical Design with Timing Analysis	12 Weeks	January 20, 2025	April 11, 2025
6	noc25-ee84	Electrical and Electronics Engineering	VLSI Signal Processing	8 Weeks	January 20, 2025	March 14, 2025
7	noc25-ee80	Electronics and Communication Engineering	Spread Spectrum Communications And Jamming	12 Weeks	January 20, 2025	April 11, 2025
8	noc25-ee58	Electrical and Electronics Engineering	Optical Fiber Sensors	12 Weeks	January 20, 2025	April 11, 2025
9	noc25-ee13	Electrical and Electronics Engineering	Computer Vision And Image Processing - Fundamentals And Applications	12 Weeks	January 20, 2025	April 11, 2025
10	noc25-ee18	Electrical and Electronics Engineering	Design and Analysis of VLSI Subsystems	12 Weeks	January 20, 2025	April 11, 2025
11	noc25-ee28	Electrical and Electronics Engineering	Electromagnetic Waves in Guided and Wireless Media	8 Weeks	January 20, 2025	March 14, 2025
12	noc25-ee40	Electrical and Electronics Engineering	Fuzzy Sets, Logic and Systems & Applications	12 Weeks	January 20, 2025	April 11, 2025

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