Scheme of Studies

Master of Technology
Electronics and Communication Engineering
2021

Department of EECE

SCHOOL OF ENGINEERING & TECHNOLOGY

THE NORTHCAP UNIVERSITY, GURGAON

(Established under Haryana Govt. Notification No. Leg. 32/2006-HARYANA ACT No.25 of 2009)

Scheme of Studies
M.Tech in Electronics and Communication Engineering

Department of EECE offers the following programs during the academic year 2021-22:

Master of Technology (M.Tech.) in Electronics and Communication Engineering with specialization in
* Communication Engineering
* VLSI Design

* M.Tech Part Time (Course Duration - 3 years)

   A specially designed three years program for working professional with flexible teaching pedagogy and flexible credit-based system to ensure smooth learning along with the routine office work. The whole scheme is uniformly spread over 3 years covering 6 semesters.

Department of EECE
M. Tech in Electronics and Communication Engineering
(With specialization in Communication Engineering / VLSI Design)
2021

Semester	Course Code / Course Name				Lecture Course	L	T	P	Week Cont. Hrs	Credits
I	ECL513 Machine Learning 2-0-2(3)	ECL523 Digital VLSI Design 2-1-0(3)	ECL508 Wireless and Mobile communication 2-1-0(3)	ECP510 Laboratory Training I 0-0-4 (2)	3	6	2	6	14	11
II	ECL570 Internet of Things 2-0-2(3)	ECL527 Digital System Design with Verilog HDL 2-1-0(3)	ECL501 Digital Signal Processing 2-1-0(3)	ECP518 Laboratory Training II 0-0-4(2)	3	6	2	6	14	11
III	ECL601 Cloud Computing 2-1-0(3)	*Open Elective-1 2-1-0 (3)	ECC509 Seminar (Specialization based) 0-0-4(2)		2	4	2	4	10	8
IV	ECD512 Minor Project (Specialization based) 0-0-6(3)	MAL616 Research Methodology 2-1-0(3)	ECL603 Technical Writing Skills 2-0-0 (2)		2	4	1	6	11	8
V	ECD605 Dissertation (Phase-1) (Specialization based) 0-0-12(6)	*Open Elective-2 2-1-0 (3)			1	2	1	12	15	9
VI	ECD602 Dissertation (Phase-2) (Specialization based) 0-0-20(10)				0	0	0	20	20	10
							84			57

*Open electives can be chosen from the list of Open Elective courses offered by the University. These may be run as Regular or MOOC.