

**MSc in EIE subjects offered by the Department of Electrical and Electronic Engineering**

Core Subject		MSc in Electronic and Information Engineering		2022/23		2023/24		2024/25 (Tentative plan)		Remarks
		Specialism options								
		Internet of Things	Multimedia Signal Processing and Communications	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
EIE509	Satellite Communications - Technology and Applications				E		D		D	
EIE511	VLSI System Design						E			
EIE515	Advanced Optical Communication Systems	EIE515			D		E		D	
EIE522	Pattern Recognition: Theory & Applications		EIE522		E		D		E	
EIE529	Digital Image Processing		EIE529	E		D		D		
EIE546	Video Technology	EIE546	EIE546	D		E		E		
EIE553	Security in Data Communication	EIE553	EIE553	D					E	
EIE557	Computational Intelligence and its Applications	EIE557	EIE557	E		E		E		
EIE558	Speech Processing and Recognition		EIE558		E		D		E	
EIE560	Microelectronics Processing and Technologies	EIE560			D		D		D	
EIE563	Digital Audio Processing		EIE563		D		D			
EIE566	Wireless Communications	EIE566	EIE566		D	E		D		
EIE567	Wireless Power Transfer Technologies	EIE567	EIE567		E		D		E	
EIE568	IoT-Tools and Applications	EIE568		D & E	E	D & E	E	D & E	E	
EIE569	Sensor Networks	EIE569			D		D		D	
EIE570	Deep Learning with Photonics	EIE570	EIE570							
EIE571	Photonic System Analysis									
EIE572	Information Photonics				D					
EIE573	Mobile Edge Computing	EIE573	EIE573	D		E		D		
EIE575	Vehicular Communications and Inter-Networking Technologies	EIE575	EIE575	D	D	D		E		
EIE577	Optoelectronic Devices			D		D		D		
EIE579	Advanced Telecommunication Systems	EIE579			D		E		D	
EIE580	RF and Microwave Integrated Circuits for Communication System Applications			E		D		E		
EIE587	Channel Coding			D				D		
EIE589	Wireless Data Network	EIE589	EIE589	E		D		D		
COMP5434	Big Data Computing	COMP5434		E		E		E		

D - Daytime Class

E - Evening Class

\* The Department reserves the right of NOT offering any one of the above subjects. The offer of subjects is subject to review and changes if deemed appropriate by the Department.