



TABLE 2: COURSE DISTRIBUTION PER SEMESTER

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration (hours)	Number of weeks/ Academic semester	Total periods/ Academic semester	Number of ECTS
A' Semester								
1.	Elective	Advanced Topics in Software Engineering	CEI 521	1	3	13	13 periods (39 hours)	7
2.	Elective	Advanced and Distributed Operating Systems	CEI 522	1	4	13	13 periods (52 hours)	8
3.	Elective	Data Science	CEI 523	1	4	13	13 periods (52 hours)	8
4.	Elective	Network Science	CEI 524	1	3	13	13 periods (39 hours)	7
5.	Elective	Digital Communications	EEN 511	1	4	13	13 periods (52 hours)	8
6.	Elective	Advanced Digital Signal Processing I	EEN 512	1	4	13	13 periods (52 hours)	8
7.	Elective	Advanced Topics in Power Systems	EEN 514	1	3	13	13 periods (39 hours)	8
8.	Elective	Medical Imaging	EEN 532	1	4	13	13 periods (52 hours)	9



9.	Elective	Power Electronics and Renewable Electricity Sources	EEN 541	1	4	13	13 periods (52 hours)	8
10.	Elective	Digital Image Processing	EEN 543	1	4	13	13 periods (52 hours)	8
11.	Elective	Photonics	EEN 545	1	4	13	13 periods (52 hours)	8
12.	Elective	Topics in Advanced Mathematics for Engineers	EEN 547	1	3	13	13 periods (39 hours)	7
13.	Elective	Waveguide and Antenna Theory	EEN 553	1	4	13	13 periods (52 hours)	8
14.	Elective	Independent Study	EEN 558	1	1	13	13 periods (13 hours)	1-3
15.	Elective	Special Topics in Electrical Engineering	EEN 559	1	4	13	13 periods (52 hours)	8
16.	Elective	Advanced Medical Imaging	EEN 562	1	4	13	13 periods (52 hours)	9
B' Semester								
1.	Elective	Natural Language Processing	CEI 525	1	4	13	13 periods (52 hours)	8
2.	Elective	Advanced Topics in Data Processing Systems	CEI 526	1	3	13	13 periods (39 hours)	8



3.	Compulsory (for CEI)	Research Methods in Computer and Informatics Engineering	CEI 527	1	4	13	13 periods (52 hours)	7
4.	Elective	Advanced Digital Signal Processing II	EEN 544	1	4	13	13 periods (52 hours)	8
5.	Elective	Advanced Topics in Parallel Processing and Distributed Systems	CEI 563	1	3	13	13 periods (39 hours)	8
6.	Elective	Software Project Management	CEI 565	1	4	13	13 periods (52 hours)	7
7.	Elective	Computer Security and Cryptography	CEI 569	1	4	13	13 periods (52 hours)	8
8.	Elective	Deep Learning	CEI 528	1	4	13	13 periods (52 hours)	8
9.	Elective	Project Management & Scheduling	CEI 571	1	3	13	13 periods (39 hours)	7
10.	Elective	Systems Theory and Automatic Control	EEN 513	1	4	13	13 periods (52 hours)	8
11.	Compulsory (for EE)	Research Methods	EEN 515	1	4	13	13 periods (52 hours)	8
12.	Elective	Advanced Digital Signal Processing II	EEN 544	1	4	13	13 periods (52 hours)	8
13.	Elective	Image guided therapies	EEN 551	1	4	13	13 periods (52 hours)	8
14.	Elective	Wireless Communications	EEN 552	1	4	13	13 periods (52 hours)	8



15.	Elective	BioInstrumentation	EEN 561	1	4	13	13 periods (52 hours)	8
16.	Elective	Biosensors	EEN 560	1	4	13	13 periods (52 hours)	8
17.	Elective	Communication Technologies for Biomedical Engineers	EEN 552	1	4	13	13 periods (52 hours)	8
18.	Elective	Robotic Applications for Biomedical Engineering	EEN 513	1	4	13	13 periods (52 hours)	8
C' Semester								
1.	Compulsory	Doctoral thesis						30
D' Semester								
2.	Compulsory	Doctoral thesis						30
E' Semester								
3.	Compulsory	Doctoral thesis						30
F' Semester								
4.	Compulsory	Doctoral thesis						30
G' Semester								



5.	Compulsory	Doctoral thesis						30
H' Semester								
6.	Compulsory	Doctoral thesis						30