Scheme of Studies Batch-2017, 2018 & 2019

	Course	Course Title	Credit Hrs		
	Code	Course Title	Th	Pr	Total
<u>First Year</u> Spring Semester	EE-156	Engineering Drawing	0	2	2
	EE-126	Circuit Analysis	3	1	4
	MT-227	Differential Equations	3	0	3
	CE-109	Engineering Surveying-I	2	1	3
	EE-163	Computers and Programming	3	1	4
	HS-105	Pakistan Studies /	2	0	2
	HS-127	Pakistan Studies (For Foreigners)			
			13	5	18
	Course	Course Title	C	redit Hrs	
<u>First Year</u> Fall Semester	Code	Course Title	Th	Pr	Total
	EE-125	Basic Electrical Engineering	3	1	4
	PH-122	Applied Physics	3	1	4
	HS-114	Functional English	3	0	3
	ME-107	Basic Mechanical Engineering	3	1	4
	MT-114	Calculus	3	0	3
			15	3	18
	Course	Course Title	Credit H		t Hrs
Cocond Voor	Code	Course Title	Th	Pr	Total
Second Year	EE-382	Electromagnetic Fields	2	0	2
Spring	EE-223	Instrumentation and Measurement	2	1	3
Semester					4
	EE-231	Signals and Systems	3	1	4
	EE-231 CS-205	Signals and Systems Logic Design and Switching Theory		1	4
			3		
	CS-205	Logic Design and Switching Theory	3	1	4
	CS-205	Logic Design and Switching Theory Probability and Statistics	3 3 3 13	1 0 3	4 3
	CS-205 MT-331	Logic Design and Switching Theory	3 3 3 13	1 0 3	4 3 16
	CS-205 MT-331 Course	Logic Design and Switching Theory Probability and Statistics	3 3 13 C	1 0 3 redi	4 3 16 t Hrs
Second Year	CS-205 MT-331 Course Code	Logic Design and Switching Theory Probability and Statistics Course Title	3 3 13 C Th	1 0 3 redi Pr	4 3 16 t Hrs Total
Second Year Fall	CS-205 MT-331 Course Code EL-240	Logic Design and Switching Theory Probability and Statistics Course Title Electronic Devices and Circuits	3 3 13 C Th	1 0 3 redi Pr	4 3 16 t Hrs Total 4
Second Year	CS-205 MT-331 Course Code EL-240 EE-264	Logic Design and Switching Theory Probability and Statistics Course Title Electronic Devices and Circuits Data Structures and Algorithms	3 3 13 C Th 3	1 0 3 redi Pr 1	4 3 16 t Hrs Total 4 3
Second Year Fall	CS-205 MT-331 Course Code EL-240 EE-264 MT-272	Logic Design and Switching Theory Probability and Statistics Course Title Electronic Devices and Circuits Data Structures and Algorithms Linear Algebra and Geometry	3 3 13 C Th 3 2	1 0 3 redi Pr 1 1 0	4 3 16 t Hrs Total 4 3
Second Year Fall	CS-205 MT-331 Course Code EL-240 EE-264 MT-272 MT-226	Logic Design and Switching Theory Probability and Statistics Course Title Electronic Devices and Circuits Data Structures and Algorithms Linear Algebra and Geometry Multi Variable Calculus	3 3 3 13 C Th 3 2 3 3	1 0 3 redi Pr 1 1 0 0	4 3 16 t Hrs Total 4 3 3 3
Second Year Fall	CS-205 MT-331 Course Code EL-240 EE-264 MT-272 MT-226 HS-214	Logic Design and Switching Theory Probability and Statistics Course Title Electronic Devices and Circuits Data Structures and Algorithms Linear Algebra and Geometry Multi Variable Calculus Academic Writing	3 3 13 C Th 3 2 3	1 0 3 redi Pr 1 1 0 0	4 3 16 t Hrs Total 4 3 3

Scheme of Studies Batch-2017, 2018 & 2019

	Course	Course Title	Credit Hrs		t Hrs
	Code	Code Course Title	Th	Pr	Total
Third Year	EE-362	Power System Analysis	3	1	4
Spring	EE 352	Electrical Power Transmission	3	0	3
Semester	EE-374	Feedback Control Systems	3	1	4
	TC-307	Communication Systems	3	1	4
	HS-304	Business Communication & Ethics	3	0	3
			15	3	18
Third Year	Course	Course Title	C	Credit Hrs	
	Code		Th	Pr	Total
	EE-345	Electrical Machines	3	1	4
Fall	EE-394	Digital Signal Processing	2	1	3
Semester	EE-359	Electrical Power System Distribution	3	1	4
	EL-343	Power Electronics	3	1	4
	MT-442	Numerical Methods	3	0	3
			14	4	18
	Course	Course Title	Credit 1		t Hrs
.	Code	Course Title	Th	Pr	Total
<u>Final Year</u>	HS-405	Organizational Behaviour	3	0	3
Spring	HS-403	Entrepreneurship	2	0	2
Semester	EE-412	Alternate Energy Systems	3	0	3
	CS-418	Computer Communication Networks	2	1	3
	EE-401	Electrical Engineering Project	0	3	3
			10	4	14
	Course	Course Title	Credit Hrs		t Hrs
	Code		Th	Pr	Total
<u>Final Year</u>	EE-457	Electrical Power System Protection	3	1	4
Fall	EE-411	Power Generation	3	0	3
Semester	CS-430	Microprocessor Programming and Interfacing	3	1	4
	EF-304	Occupational Safety and Health	2	0	2
	EF-305	Engineering Economics and Management	3	0	3
	EE-401	Electrical Engineering Project*	0	3	3
			14	5	16