



Suggested Study Plan

First Year					
First Semester			Second Semester		
Course No.	Course Name	C.H.	Course No.	Course Name	C.H.
30202101	Calculus - 1	3	30202102	Calculus - 2	3
AAL 101	Applied Arabic Language	3	IOT 114	Discrete Mathematics	3
AEL 101	Applied English Language (1)	3	AEL 102	Applied English Language (2)	3
CS 101	Computer Skills and Distance Learning	1	CS 122	Object Oriented Programming	3
CS 103	Computer Skills(2)	3	CS 123	Object Oriented Programming Lab	1
IEC 101	Innovation, Entrepreneurship and Creativity	3	IOT 105	Physics	3
			IOT 106	Physics Lab	1
Total		15	Total		17

Second Year					
First Semester			Second Semester		
Course No.	Course Name	C.H.	Course No.	Course Name	C.H.
IOT 261	Applied Probability and Statistics	3	CS 241	Communications and Computer Networks	3
CS 222	Java Programming	3	CS 242	Communications and Computer Networks Lab	1



CS 223	Java Programming Lab	1	IOT 201	Introduction to Circuits & Electronic Hardware	3
IOT 231	Digital Logic	3	IOT 222	Design & Organization of Embedded Systems	3
IOT 251	Introduction to Internet of Things	2	IOT 244	Databases Design and Management Systems	3
IOT 211	Data Structures and Algorithms	3	IOT 223	Design & Organization of Embedded Systems Lab	1
--	Elective University Requirement	3	--	Elective University Requirement	3
Total		18	Total		17

Third Year					
First Semester			Second Semester		
Course No.	Course Name	C.H.	Course No.	Course Name	C.H.
IOT 321	Programming Embedded Systems	3	IOT 333	Embedded Operating Systems	3
IOT 343	Applied Software Engineering	3	IOT 351	Internet of Things & Sensor Programming with Python	3
IOT 342	Artificial Intelligence	3	IOT 352	Sensors for Internet of Things	3
IOT 331	Fundamentals of Operating Systems	3	IOT 344	Fundamentals of Cyber Security	1
IOT 322	Internet of Things application programming	3	IOT 361	Principles of Numerical Analysis	3
IOT 332	Introduction To Computer Design	3	-	Elective Specialization Requirement	3
Total		18	Total		18



Forth Year					
First Semester			Second Semester		
Course No.	Course Name	C.H.	Course No.	Course Name	C.H.
IOT 451	Data Science	3	IOT 454	Embedded GUI Programming	3
IOT 452	Wireless Communications for Internet of Things	3	---	Elective Specialization Requirement	3
IOT 453	Microcontrollers for Internet of Things Devices	3	IOT 473	Field Training Internet of Things Students	3
NE 101	Patriotic Education and University Behavior	3	IOT 472	Project-2 for Internet of Things Students	2
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IOT 471	Project-1 for Internet of Things Students	1			
Total		16	Total		14