

**RK University
School of Engineering**

B.Tech. [Computer Engineering]

Batch 2015-2019

Semester-I

Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
MA103	Engineering Mathematics-I	3	2	0	4
ESL101	English As a Second Language I	3	0	0	3
CE105	Fundamentals of Computer Programming	3	0	2	4
ME122	Engineering Drawing	3	0	2	4
EL105	Fundamentals of Electrical Engineering	3	0	2	4
EP105	Engineering Physics	3	0	2	3
EL107	Electrical Workshop	0	0	2	1
	Total	18	2	10	23
	Total Teaching Hours			30	

Semester-II

Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
	Engineering Mathematics – II	3	2	0	4
MA203	Engineering Mathematics – II	3	2	0	4
ESL201	English As a Second Language Level II	3	0	0	3
EL200	Electronics Workshop	0	0	2	1
ME123	Fundamentals of Mechanical Engineering	3	0	2	4
CV114	Fundamentals of Civil Engineering	3	0	2	4
ES111	Environmental Science	3	0	0	3
EC211	Digital Circuit Design	3	0	2	4
CE104	Computer Peripherals	0	0	2	1
	Total	18	2	10	24
	Total Teaching Hours			30	

Semester-III

Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
CE306	Object Oriented Programming with JAVA	3	0	2	4
CE307	Data Structures	3	0	2	4
EC308	Basic Electronics	3	0	2	4
IT301	Data Communication	3	0	2	4
MA302	Engineering Mathematics - III	3	2	0	4
CE313	Computer Graphics	3	0	2	4
	Total	18	2	10	24
	Total Teaching Hours			30	

Semester-IV					
Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
CE414	Object Oriented Analysis & Design	3	0	2	4
CE410	Operating Systems	3	0	2	4
CE416	Computer Organization & Architecture	3	2	0	4
CE415	Mobile Application Development Lab	0	0	2	1
EC410	Microprocessor & Interfacing	3	0	2	4
MA404	Discrete Mathematics & Statistical	3	2	0	4
MG401	Managerial Economics & Financial Management	3	0	0	3
	Total	18	4	8	24
	Total Teaching Hours			30	

Sem-V					
Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
CE509	Software Engineering	3	0	2	4
CE510	Computer Networks	3	0	2	4
CE511	Internet Technology	3	0	4	5
CE513	Data Base Management System	3	0	2	4
CE9XX	Elective - I	3	0	2	4
CCT101	Campus to Corporate Training I	3	0	0	3
PC501	Rural Internship	0	0	0	5
	Total	18	0	12	29
	Total Teaching Hours			30	

Elective - I

- CE908 Mainframes
- CE909 .NET Technologies

Semester-VI					
Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
CE608	Cloud Computing	3	0	2	4
CE609	Business Intelligence	3	0	2	4
CE610	Design & Analysis of Algorithms	3	0	2	4
CCT201	Campus to Corporate Training II	3	0	0	3
CE612	Theory of Computation	3	0	2	4
CE9xx	Elective – II	3	0	4	5
	Comprehensive viva-voice	0	0	0	5
	Total	18	0	12	29
	Total Teaching Hours			30	

Elective - II

- CE910 Advance .NET Technologies
- CE911 Big Data Analytics

Semester - VII

Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
CE704	Cryptography & Network Security	3	0	2	4
CE705	Compiler Design	3	0	2	4
CE706	Mobile Computing	3	0	0	3
CE709	Artificial Intelligence	3	0	2	4
CE9XX	Elective – III	3	0	2	4
IT9XX	Elective – IV	3	0	2	4
CE710	Advance Computer Architecture	2	0	0	2
CE707	Captstone Design Project	0	0	0	5
	Total	20	0	10	30
	Total Teaching Hours			30	

Elective III

CE912 Advance Java Programming

CE913 Microsoft Modern Application Development

Elective IV

IT905 Software Testing

IT906 Agile Software Development

Semester - VIII					
Course Code	Course Name	Teaching Scheme (Hours)			Credits
		Theory	Tutorial	Practical	
CEIP1	Industrial Training / Project	0	0	30	20