

<b>IIIT RK Valley</b> <b>Rajiv Gandhi University of Knowledge Technologies-AP</b> <b>Computer Science and Engineering</b> <b>Course Structure from 2015 Batch Onwards</b>					
<b>EI Semester-I</b>					
<b>Course Code</b>	<b>Name of the Course</b>	<b>L</b>	<b>T&amp;PS</b>	<b>P</b>	<b>Credits</b>
MA2101	Discrete Mathematics	2	2	0	4
EN502	Advanced English & Communication Skills Lab-I	0	0	2	2
CS1101	Programming with C	2	2	0	4
CS1102	Web Technologies	2	2	0	4
EC1107	Digital Logic Design	2	2	0	4
CS1701	Programming with C Lab	0	0	2	2
CS1702	Web Technologies Lab	0	0	2	2
EC1707	Digital Logic Design Lab	0	0	2	2
<b>Total Credits</b>					<b>24</b>
<b>EI Semester-II</b>					
<b>Course Code</b>	<b>Name of the Course</b>	<b>L</b>	<b>T&amp;PS</b>	<b>P</b>	<b>Credits</b>
MA1101	Engineering Mathematics-I	2	2	0	4
EN602	Advanced English & Communication Skills Lab-II	0	0	2	2
CS1201	Computer Organization and Architecture	2	2	0	4
CS1202	Data Structures	2	2	0	4
CS1203	Formal Language and Automata Theory	2	2	0	4
CS1204	Introduction to Social Networking	1	1	0	2
CS1801	Computer Organization and Architecture Lab	0	0	2	2
CS1802	Data Structure Lab	0	0	2	2
<b>Total Credits</b>					<b>24</b>
<b>E1 Summer Semester</b>					
<b>Course Code</b>	<b>Name of the Course</b>	<b>L</b>	<b>T&amp;PS</b>	<b>P</b>	<b>Credits</b>
MA2204	Probability and Statistics	2	2	0	4
<b>Total Credits</b>					<b>4</b>
<b>E2 Summer Semester-I</b>					
<b>Course Code</b>	<b>Name of the Course</b>	<b>L</b>	<b>T&amp;PS</b>	<b>P</b>	<b>Credits</b>
EN702	Advanced English & Communication Skills Lab-III	0	0	2	2
CS2101	Object Oriented Programming	2	2	0	4
CS2102	Operating System	2	2	0	4
CS2103	Database Management System	2	2	0	4
CS2104	Design and Analysis of Algorithm	2	2	0	4
CS2105	Introduction to Data Analytics	1	1	0	2
CS2701	Object Oriented Programming Lab	0	0	2	2
CS2702	Operating System Lab	0	0	2	2
CS2703	Database Management Systems Lab	0	0	2	2
<b>Total Credits</b>					<b>26</b>

E2 Summer Semester-II					
Course Code	Name of the Course	L	T&PS	P	Credits
EN802	Advanced English & Communication Skills Lab-IV	0	0	2	2
CS2201	Software Engineering	2	2	0	4
CS2202	Computer Networks	2	2	0	4
CS2203	Mobile Application Development	2	2	0	4
CS2204	Introduction to Cloud Computing	1	1	0	2
CS2205	Introduction to Robotics	1	1	0	2
CS2206	Introduction to Artificial Intelligence	1	1	0	2
CS2801	Software Engineering Lab	0	0	2	2
CS2802	Computer Networks Lab	0	0	2	2
CS2803	Mobile Application Development Lab	0	0	2	2
Total Credits					26
E2 Summer Sem					
Course Code	Name of the Course	L	T&PS	P	Credits
CS2301	Placement Skills	4	4	0	2
CS2901	Networking Technologies	4	4	0	4
Total Credits					6
E3 Semester-I					
Course Code	Name of the Course	L	T&PS	P	Credits
	Elective-I	2	2	0	4
	Elective-II	2	2	0	4
	Elective-III	2	2	0	4
BMXXXX	Free Elective-I	2	2	0	4
CS3700	Mini Project	2	2	0	4
Total Credits					20
E3 Semester-II					
Course Code	Name of the Course	L	T&PS	P	Credits
	Elective-IV	2	2	0	4
	Elective-V	2	2	0	4
	Elective-VI	2	2	0	4
	Free Elective-II	2	2	0	4
CS3800	Mini Project	2	2	0	4
Total Credits					20
E3 Summer Sem					
Course Code	Name of the Course	L	T&PS	P	Credits
CS3900	Summer Internship				4
Total Credits					4
E4 Semester-I					
Course Code	Name of the Course	L	T&PS	P	Credits
HS3201	Environmental Science	2	2	0	4
	Elective-VII	2	2	0	4
	Free Elective-III	2	2	0	4
CS4700	Project				6
Total Credits					18

<b>E4 Semester-II</b>					
<b>Course Code</b>	<b>Name of the Course</b>	<b>L</b>	<b>T&amp;PS</b>	<b>P</b>	<b>Credits</b>
	Elective-VIII	2	2	0	4
	Elective-IX	2	2	0	4
	Free Elective-IV	2	2	0	4
CS4800	Project				6
CS4900	Community Service				2
<b>Total Credits</b>					<b>20</b>
<b>Grand Total Credits</b>					<b>192</b>