



# Rajarata University of Sri Lanka

## Department of Information & Communication Technology

### Curriculum for 2016/2017 batch

Year	Semester	Course Code	Subject	Credits	Status	
1	1	ICT 1301	Productivity Tools	3	C	
		ICT 1302	Electronic Circuits	3	C	
		ICT 1303	Fundamentals of Statistics	3	O	
		CMT 1301	Fundamentals of Physics for Technology	3	C	
		CMT 1303	Fundamentals of Mathematics for Technology	3	C	
		CML 1201	Personality Development	2	C	
		CMT 1005	Communication Skills I	0	C-NGP	
	<b>1-1 Total</b>			<b>C - 14</b>	<b>O - 03</b>	
	2	ICT 1405	Program Design and Programming	4	C	
		ICT 1307	Human Computer Interaction	3	C	
		ENT 1302	Fundamentals of Electricity and Magnetism	3	O	
		CML 1203	Principles of Management	2	C	
		CML 1204	Health and Wellbeing	2	C	
		CMT 1010	Communication Skills II	0	C-NGP	
<b>1-2 Total</b>			<b>C - 11</b>	<b>O - 03</b>		

Year	Semester	Course Code	Subject	Credits	Status
2	1	ICT 2101	Advanced applications	1	C
		ICT 2202	Operating Systems	2	C
		ICT 2303	Data Structures and Algorithms	3	C
		ICT 2304	Object Oriented Programming	3	C
		CML 2201	Social Science and Humanities	2	C
		ICT 2207	Software System Design	2	C
		CML 2202	Engineering Economics	2	C
		CMT 2002	Communication Skills III	0	C-NGP
		ICT 2212	Skills Development Project II	2	C
		CMT 2306	Mathematics for Technology II	2	O
	<b>2-1 Total</b>			<b>C-16</b>	
	2	ICT 2305	Computational Mathematics	3	C
		ICT 2206	Multimedia and Web Technology	2	C
		ICT 2308	Database Systems	3	C
		ICT 2109	Communication & Learning Skills	1	C
		CML 2205	Ethics for Science and Technology	2	C
		CML 2204	Foreign Language	2	C
ICT 2213		Data Communication and Networking	2	C	
<b>2-2 Total</b>			<b>C-15</b>		



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3	1	ICT 3201	Project Management	2	C	
		ICT 3203	Scientific Computer Applications	2	C	
		CML 3101	Legal and Patent Aspects	1	C	
		ICT 3212	SW Quality Assurance	2	C	
		ICT 3206	Skills Development Project III	2	C	
		ICT 3307	Computational Statistics	3	O	
		ICT 3208	Design and Analysis of Algorithms	2	C	
		ICT 3314	Embedded Systems	3	C	
		ICT 3217	Advanced Computer Networks	2	O	
	<b>3-1 Total</b>			<b>C-14</b>	<b>O-05</b>	
	2	ICT 3209	Computer Organization and Architecture	2	C	
		ICT 3310	Information Security	3	C	
		ICT 3211	Robotics	2	O	
		ICT 3213	Advanced SW System Design	2	C	
		ICT 3204	E-Commerce	2	C	
		CML 3103	Basics of Accountancy	1	C	
		ICT 3315	Internet of Things	3	O	
ICT 3216		Research Methodology	2	C		
<b>3-2 Total</b>			<b>C-12</b>	<b>O-05</b>		

Year	Semester	Course Code	Subject	Credits	Status	
4	1	ICT 4301	Mobile Computing	3	C	
		ICT 4302	Internet Applications	3	C	
		ICT 4103	Software Engineering	1	C	
		ICT 4204	Graphics and Image Processing	2	O	
		ICT 4205	Current Topics in Information Technology	2	C	
		ICT 4306	Data Science	3	O	
		ICT 4207	Artificial Intelligence	2	O	
		CML 4201	Entrepreneurship	2	C	
	<b>4-1 Total</b>			<b>C -11</b>	<b>O -07</b>	
	2	ICT 4808	Project	8	C	
		ICT 4609	Industrial Training	6	C-NGP	
<b>4-2 Total</b>			<b>C - 14</b>			