



Rajarata University of Sri Lanka

Department of Information & Communication Technology

Curriculum for 2015/2016 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	
	1-1 Total			C- 14	O- 03	
	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	
1-2 Total			C – 11	O - 03		

Year	Semester	Course Code	Subject	Credits	Status	
2	1	ICT 2201	Advanced Applications	2	C	
		ICT 2202	Operating Systems	2	C	
		ICT 2303	Data Structures and Algorithms	3	C	
		ICT 2304	Object Oriented Programming	3	C	
		ICT 2205	Technical Writing	2	C	
		CML 2201	Social Science and Humanities	2	C	
		CML 2202	Engineering Economics	2	C	
		CMT2002	Communication Skills III	0	C-NGP	
	2-1 Total			C-16		
	2	ICT 2305	Computational Mathematics	3	C	
		ICT 2206	Multimedia and Web Technology	2	C	
		ICT 2207	Software System Design	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		
2-2 Total			C-15			



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3	1	ICT 3201	Project Management	2	C	
		ICT 3302	Data Communication and Networking	3	C	
		ICT 3203	Scientific Computer Applications	2	C	
		CML 3101	Legal and Patent Aspects	1	C	
		ICT 3212	Software Quality Assurance	2	C	
		ICT 3206	Skills Development Project	2	C	
		ICT 3307	Computational Statistics	3	O	
		ICT 3208	Design and Analysis of Algorithms	2	C	
		ICT 3314	Embedded Systems	3	C	
	3-1 Total			C-17	O-03	
	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		
3-2 Total			C-12	O-05		

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	
	4-1 Total			C -11	O -07	
	2	ICT 4808	Project	8	C	
		ICT 4609	Industrial Training	6	C-NGP	
4-2 Total			C - 14			