

BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ORISSA

COMPUTER SCIENCE & ENGINEERING (CSE)

7 th Semester				8 th Semester			
Theory		Contact Hours		Theory		Contact Hours	
Code	Subject	L-T-P	Credit	Code	Subject	L-T-P	Credit
HSSM3401	Entrepreneurship Development	3-0-0	3	HSSM3402	Environmental Engineering	3-0-0	3
PCCS4401	Computer Graphics	3-0-0	3				
PCCS4402	Principles and Practices in Software Engineering	3-0-0	3				
	Professional Elective-III (Any one)	3-0-0	3		Professional Elective-V (Any one)	3-0-0	3
PECS5401	Artificial Intelligence			PECS5406	Digital Image Processing		
PECS5402	Cryptography & Network Security			PECS5407	Wireless Sensor Networks		
PECS5403	Real Time Systems			PECS5408	Embedded System Development		
	Professional Elective-IV (Any one)	3-0-0	3		Professional Elective-VI (Any one)	3-0-0	3
PECS5404	Advanced Computer Architecture			PECS5409	Data and Web Mining		
PCIT4401	Principles of Soft Computing			PECS5410	Algorithms for Bio-Informatics		
PCIT4402	Software Project Management			PECS5411	Parallel & Distributed Systems		
	Free Elective-III (Any one)	3-0-0	3		Free Elective-IV (Any One)	3-0-0	3
PCEC4401	VLSI Design			PEEC5418	Satellite Communication Systems		
PEEC5416	Biomedical Instrumentation			PEEI5405	MEMS		
PEEC5417	Digital Switching & Telecommunication Network			PCBM4402	Medical Imaging Techniques		
FECS6401	Introduction to Digital Signal Processing				Free Elective-V (Any One)	3-0-0	3
				PEEI5404	Analog VLSI Design		
				PEME5407	Mechatronics		
				PEEI5403	Industrial Instrumentation		
Theory Credits			18	Theory Credits			15
	Practical/Sessional				Practical/Sessional		
PCCS7402	Minor Project		3	PCCS7403	Major Project		6
PCCS7401	Software Engineering Lab	0-0-3	2	PCCS7404	Comprehensive Viva voce		2
Practical / Sessional Credits			5	Practical / Sessional Credits			8
TOTAL SEMESTER CREDITS			23	TOTAL SEMESTER CREDITS			23
TOTAL CUMULATIVE CREDITS			181	TOTAL CUMULATIVE CREDITS			204