

	C115.3	-	3.0	3.0	-	-	-	-	-	-	-	-	-	2.0	-
	C115.4	-	-	-	2.0	3.0	-	-	-	-	-	-	-	-	1.0
	C115.5	3.0	-	2.0	-	-	-	-	-	-	-	-	-	2.0	-
	C115.6	-	2.0	-	-	2.0	-	-	-	-	-	-	-	-	-
	C115	3.0	2.8	2.3	2.0	2.5	-	-	-	-	-	-	-	2.0	1.5
ENGINEERING DRAWING	C116.1	2.0	2.0	1.0	-	1.0	-	-	1.0	1.0	2.0	-	1.0	2.0	2.0
	C116.2	2.0	2.0	2.0	-	1.0	-	-	2.0	1.0	2.0	-	1.0	2.0	3.0
	C116.3	2.0	2.0	2.0	-	1.0	-	-	2.0	1.0	2.0	-	1.0	2.0	2.0
	C116.4	2.0	2.0	2.0	-	1.0	-	-	2.0	1.0	2.0	-	1.0	2.0	2.0
	C116.5	2.0	2.0	2.0	-	1.0	-	-	2.0	1.0	2.0	-	1.0	3.0	3.0
	C116.6	2.0	2.0	2.0	-	1.0	-	-	2.0	1.0	3.0	-	1.0	3.0	3.0
	C116	2.0	2.0	1.8	-	1.0	-	-	1.8	1.0	2.2	-	1.0	2.3	2.5
ENGLISH - COMMUNICATION SKILLS LAB I	C117.1	-	-	-	-	2.0	-	-	-	2.0	2.0	-	1.0	1.0	2.0
	C117.2	-	-	-	-	2.0	-	-	-	2.0	3.0	-	1.0	1.0	2.0
	C117.3	-	-	-	-	2.0	-	-	-	2.0	2.0	-	1.0	1.0	2.0
	C117.4	-	-	-	-	2.0	-	-	-	-	3.0	-	1.0	1.0	2.0
	C117.5	-	-	-	-	2.0	-	-	-	-	3.0	-	1.0	1.0	2.0
	C117.6	-	-	-	-	2.0	-	-	-	-	3.0	-	2.0	1.0	2.0
	C117	-	-	-	-	2.0	-	-	-	2.0	2.7	-	1.2	1.0	2.0
APPLIED / ENGINEERING PHYSICS LAB	C118.1	3.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0
	C118.2	3.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0
	C118.3	3.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0
	C118.4	3.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0
	C118.5	3.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0
	C118.6	3.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0
	C118	3.0	2.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0
APPLIED / ENGINEERING PHYSICS –VIRTUAL LABS - ASSIGNMENTS	C119.1	3.0	2.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-
	C119.2	3.0	2.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-
	C119.3	3.0	2.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-
	C119.4	3.0	2.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-
	C119.5	3.0	2.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-
	C119.6	3.0	2.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-
	C119	3.0	2.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-
C PROGRAMMING LAB	C1110.1	3.0	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	2.0	3.0
	C1110.2	3.0	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	2.0	3.0
	C1110.3	3.0	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	2.0	3.0
	C1110.4	3.0	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	2.0	3.0
	C1110	3.0	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	2.0	3.0
COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
ENGLISH-II	C121.1	2.0	-	-	-	-	-	-	-	-	2.0	-	2.0	-	3.0
	C121.2	2.0	-	-	-	-	2.0	-	-	-	2.0	-	2.0	-	3.0
	C121.3	-	-	-	-	-	2.0	-	-	3.0	2.0	-	-	-	3.0
	C121.4	-	-	-	-	-	1.0	-	-	-	2.0	-	-	-	3.0
	C121.5	-	-	-	-	-	2.0	2.0	-	-	2.0	-	-	-	3.0
	C121.6	3.0	-	-	-	3.0	-	-	-	2.0	2.0	-	-	-	3.0
	C121	2.5	-	-	-	3.0	1.8	2.0	-	2.5	2.0	-	2.0	-	3.0

PROGRAMMING LAB	C129.2	-	3.0	-	2.0	-	-	-	-	-	-	-	-	-	2.0	
	C129.3	-	3.0	3.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C129.4	-	-	-	2.0	3.0	-	-	-	-	-	-	-	-	-	1.0
	C129.5	3.0	-	2.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C129.6	-	2.0	-	-	2.0	-	-	-	-	-	-	-	-	-	-
	C129	3.0	3.0	2.5	-	3.0	-	-	-	-	-	-	-	-	2.0	-
COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
STATISTICS WITH R PROGRAMMING	C211.1	3.0	3.0	-	-	-	-	-	-	-	-	-	-	-	1.0	-
	C211.2	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C211.3	3.0	3.0	-	-	-	-	-	-	2.0	-	-	-	-	2.0	-
	C211.4	2.0	3.0	-	-	-	-	-	-	-	-	-	-	-	1.0	-
	C211.5	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C211.6	3.0	3.0	1.0	-	2.0	-	-	-	-	2.0	-	-	-	-	-
	C211	2.8	3.0	1.7	-	2.0	-	-	-	-	2.0	-	-	-	1.5	-
MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	C212.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C212.2	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C212.3	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C212.4	2.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C212.5	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C212.6	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C212	2.7	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-
DIGITAL LOGIC DESIGN	C213.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C213.2	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C213.3	3.0	-	3.0	-	-	-	-	-	-	-	-	-	-	-	-
	C213.4	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C213.5	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-
	C213.6	-	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C213	3.0	2.8	2.5	-	-	-	-	-	-	-	-	-	-	-	-
PYTHON PROGRAMMING	C214.1	3.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	3.0
	C214.2	3.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	3.0
	C214.3	3.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	3.0
	C214.4	3.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	3.0
	C214.5	3.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	3.0
	C214.6	3.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	3.0
	C214	3.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	3.0
DS THROUGH C++	C215.1	2.0	3.0	-	-	2.0	-	-	-	-	-	-	2.0	1.0	2.0	
	C215.2	2.0	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	1.0
	C215.3	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C215.4	2.0	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	1.0	2.0
	C215.5	2.0	2.0	1.0	3.0	2.0	-	-	-	-	-	-	-	-	1.0	2.0
	C215.6	3.0	1.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0	2.0
	C215	2.2	2.3	1.5	1.2	0.8	-	-	-	-	-	-	-	0.3	1.5	1.8
COMPUTER GRAPHICS	C216.1	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	1.0	1.0
	C216.2	3.0	3.0	-	-	-	-	-	-	-	-	-	-	-	1.0	1.0
	C216.3	3.0	-	2.0	-	-	-	-	-	-	-	-	-	-	1.0	1.0
	C216.4	3.0	3.0	-	-	2.0	-	-	-	-	-	-	-	-	1.0	1.0

THEORY	C225.4	3.0	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	-		
	C225.5	1.0	1.0	1.0	1.0	-	-	-	-	-	-	-	-	-	-		
	C225.6	2.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-	-	-		
	C225	2.2	2.2	1.8	1.3	-	-	-	-	-	-	-	-	-	1.0	-	
PRINCIPLES OF PROGRAMMING LANGUAGES	C226.1	3.0	3.0	-	3.0	2.0	-	-	-	-	-	-	-	-	3.0	-	
	C226.2	3.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	3.0	-	
	C226.3	2.0	1.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	3.0	-	
	C226.4	3.0	-	3.0	-	3.0	-	-	-	-	-	-	-	-	-	3.0	
	C226.5	2.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	3.0	
	C226.6	-	-	3.0	-	3.0	-	-	-	-	-	-	-	-	-	3.0	-
	C226	2.6	2.5	3.0	2.5	2.5	-	-	-	-	-	-	-	-	-	3.0	3.0
ADVANCED DATA STRUCTURES LAB	C227.1	2.0	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	-	
	C227.2	2.0	-	3.0	-	2.0	-	-	-	-	-	-	-	-	-	2.0	
	C227.3	-	2.0	-	-	3.0	-	-	-	-	-	-	-	-	-	-	
	C227.4	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	-	-	2.0	-
	C227	2.3	2.3	2.0	1.0	2.5	-	-	-	-	-	-	-	-	-	2.0	2.0
JAVA PROGRAMMING LAB	C228.1	3.0	2.0	-	-	-	3.0	-	-	-	-	-	-	-	-	-	
	C228.2	3.0	2.0	-	2.0	-	-	-	-	-	-	-	-	-	2.0	-	
	C228.3	-	-	-	-	3.0	-	-	-	-	-	-	-	2.0	2.0	-	
	C228.4	-	-	-	2.0	2.0	-	-	-	-	-	-	-	-	-	-	
	C228.5	2.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	2.0	
	C228.6	-	-	-	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	
	C228	2.7	2.3	2.0	2.0	2.3	3.0	-	-	-	-	-	-	-	2.0	2.0	2.0
COURSE NAME	PO / CO	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO1	PSO2		
COMPILER DESIGN	C311.1	2.0	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-	-		
	C311.2	-	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-	-		
	C311.3	2.0	2.0	3.0	3.0	-	-	-	-	-	-	-	-	-	-		
	C311.4	-	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-	-		
	C311.5	-	2.0	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-		
	C311.6	-	3.0	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-		
	C311	2.0	2.6	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-		
UNIX PROGRAMMING	C312.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C312.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C312.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C312.4	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	-	
	C312.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C312.6	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C312	2.3	1.3	1.2	-	-	-	-	-	-	-	-	-	-	2.0	2.0	
OOAD USING UML	C313.1	2.0	-	-	2.8	-	-	-	-	-	-	-	-	-	2.5	-	
	C313.2	-	2.5	-	2.8	-	-	-	-	-	-	-	-	-	-	-	
	C313.3	-	-	2.8	-	3.0	-	-	-	-	-	-	-	-	2.5	-	
	C313.4	-	2.5	2.5	-	2.5	-	-	-	-	-	-	-	-	2.5	-	
	C313.5	-	2.8	2.5	-	2.5	-	-	-	-	-	-	-	-	3.0	-	
	C313.6	-	-	2.5	-	2.5	-	-	-	-	-	-	-	-	2.5	2.5	
	C313	2.0	2.6	2.6	2.8	2.6	-	-	-	-	-	-	-	-	2.6	2.5	
DBMS	C314.1	3.0	2.0	2.0	2.0	1.0	-	-	-	-	-	3.0	-	2.0	3.0		

	C314.2	-	-	2.0	-	1.0	-	-	-	-	-	3.0	-	3.0	3.0
	C314.3	1.0	-	3.0	-	2.0	-	-	-	-	-	3.0	-	3.0	3.0
	C314.4	1.0	3.0	3.0	3.0	1.0	-	-	-	-	-	3.0	3.0	3.0	2.0
	C314.5	1.0	-	3.0	-	1.0	-	-	-	-	-	-	2.0	2.0	-
	C314.6	1.0	-	3.0	-	-	-	-	-	-	-	-	-	-	-
	C314	1.4	2.5	2.7	2.5	1.2	-	-	-	-	-	3.0	2.5	2.6	2.8
OPERATING SYSTEMS	C315.1	-	2.0	3.0	-	-	-	-	-	-	2.0	-	-	3.0	3.0
	C315.2	3.0	-	-	-	-	-	-	-	-	-	-	-	-	2.0
	C315.3	2.0	-	3.0	-	-	-	-	-	-	2.0	-	-	2.0	-
	C315.4	2.0	-	-	3.0	-	-	-	-	-	-	-	-	2.0	-
	C315.5	2.0	-	3.0	-	-	-	-	-	-	2.0	-	-	3.0	-
	C315.6	2.0	-	-	-	3.0	-	-	-	-	2.0	-	-	3.0	-
	C315	2.2	2.0	3.0	3.0	3.0	-	-	-	-	2.0	-	-	2.6	2.5
UNIFIED MODELING LAB	C316.1	3.0	3.0	3.0	3.0	3.0	-	-	-	-	-	-	-	3.0	3.0
	C316.2	3.0	-	3.0	-	3.0	-	-	-	-	-	-	-	3.0	3.0
	C316.3	3.0	3.0	3.0	-	3.0	-	-	-	-	-	-	-	3.0	3.0
	C316.4	3.0	-	3.0	3.0	3.0	-	-	-	-	-	-	-	3.0	3.0
	C316	3.0	3.0	3.0	3.0	3.0	-	-	-	-	-	-	-	3.0	3.0
OS & LINUX LAB	C317.1	3.0	1.0	1.0	2.0	-	-	-	-	2.0	-	2.0	-	2.0	2.0
	C317.2	3.0	1.0	1.0	2.0	-	-	-	-	2.0	-	3.0	-	2.0	2.0
	C317.3	3.0	1.0	1.0	2.0	-	-	-	-	2.0	1.0	2.0	3.0	2.0	2.0
	C317.4	2.0	1.0	-	-	-	-	-	-	2.0	-	2.0	-	2.0	2.0
	C317.5	-	-	-	2.0	2.0	-	-	-	-	-	-	-	-	-
	C317	2.8	1.0	1.0	2.0	2.0	-	-	-	2.0	1.0	2.3	3.0	2.0	2.0
DBMS LAB	C318.1	2.0	-	3.0	-	2.0	-	-	-	-	-	-	-	1.0	-
	C318.2	2.0	-	3.0	-	2.0	-	-	-	-	-	-	-	1.0	-
	C318.3	2.0	-	3.0	-	2.0	-	-	-	-	-	-	-	1.0	-
	C318.4	2.0	-	3.0	2.0	2.0	-	-	-	-	-	-	-	1.0	-
	C318.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C318	2.0	-	3.0	2.0	2.0	-	-	-	-	-	-	-	1.0	-
PROFESSIONAL ETHICS & HUMAN VALUES	C319.1	3.0	2.0	2.0	-	2.0	-	2.0	3.0	-	-	-	-	2.0	2.0
	C319.2	2.0	1.0	-	-	-	2.0	2.0	-	3.0	2.0	2.0	-	-	-
	C319.3	3.0	2.0	-	-	-	-	-	3.0	-	-	-	-	-	-
	C319.4	2.0	-	3.0	2.0	-	-	-	-	2.0	-	-	2.0	-	-
	C319.5	-	-	-	-	-	-	2.0	-	3.0	-	3.0	-	-	-
	C319.6	2.0	3.0	-	-	-	-	2.0	3.0	-	-	-	-	-	-
	C319	2.4	2.0	2.5	2.0	2.0	2.0	2.0	3.0	2.7	2.0	2.5	2.0	2.0	2.0
COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
COMPUTER NETWORKS	C321.1	3.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C321.2	1.0	3.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C321.3	1.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	1.0
	C321.4	2.0	1.0	2.0	-	-	-	-	-	-	-	-	-	2.0	1.0
	C321.5	1.0	2.0	2.0	3.0	2.0	-	-	-	-	-	-	-	2.0	2.0
	C321.6	1.0	2.0	3.0	1.0	-	-	-	-	-	-	-	-	2.0	2.0
	C321	1.5	1.8	2.0	2.0	2.0	-	-	-	-	-	-	-	2.0	1.5
DATA WAREHOUSE	C322.1	3.0	2.0	2.0	2.0	2.0	-	-	-	-	-	-	-	1.0	2.0

COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
CRYPTOGRAPHY AND NETWORK SECURITY	C411.1	-	3.0	-	-	2.0	2.0	1.0	-	-	2.0	-	-	-	-	
	C411.2	2.0	1.0	2.0	1.0	-	-	-	2.0	-	-	-	-	2.0	-	
	C411.3	2.0	2.0	2.0	2.0	-	-	-	1.0	-	-	-	-	2.0	-	
	C411.4	2.0	2.0	2.0	1.0	-	-	-	-	-	-	-	-	2.0	-	
	C411.5	2.0	-	3.0	-	1.0	-	2.0	-	-	2.0	-	2.0	-	2.0	
	C411.6	2.0	-	2.0	-	-	-	-	1.0	-	-	3.0	-	2.0	-	2.0
	C411	2.0	2.0	2.2	1.3	1.5	2.0	1.3	1.5	-	-	2.3	-	2.0	2.0	2.0
SOFTWARE ARCHITECTURE AND DESIGN PATTERNS	C412.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.5	3.0	
	C412.2	2.0	3.0	2.0	-	3	-	-	-	-	-	-	-	2.0	3.0	
	C412.3	2.0	2.0	3.0	-	2.0	-	-	-	-	-	-	-	3.0	3.0	
	C412.4	2.5	2.0	3.0	-	2.5	-	-	-	-	-	-	-	3.0	3.0	
	C412.5	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	3.0	
	C412.6	2.0	2.0	3.0	-	-	-	-	-	-	-	-	-	2.5	3.0	
	C412	2.4	2.2	2.5	-	2.3	-	-	-	-	-	-	-	2.5	3.0	
WEB TECHNOLOGIES	C413.1	1.0	2.0	-	-	3.0	-	-	-	-	-	-	-	1.0	2.0	
	C413.2	2.0	3.0	-	-	-	-	-	-	-	-	-	-	1.0	1.0	
	C413.3	1.0	2.0	-	-	3.0	-	-	-	-	-	-	-	1.0	2.0	
	C413.4	1.0	2.0	-	-	3.0	-	-	-	-	-	-	-	1.0	2.0	
	C413.5	1.0	2.0	-	-	3.0	-	-	-	-	-	-	-	1.0	2.0	
	C413.6	-	2.0	1.0	-	3.0	-	-	-	-	-	-	-	1.0	2.0	
	C413	1.2	2.2	1.0	-	3.0	-	-	-	-	-	-	-	1.0	1.8	
MEFA	C414.1	3.0	1.0	1.0	-	-	-	-	2.0	-	2.0	-	2.0	2.0	-	
	C414.2	2.0	3.0	2.0	3.0	-	-	-	-	-	-	3.0	-	-	1.0	
	C414.3	2.0	2.0	3.0	-	-	1.0	2.0	-	-	3.0	2.0	-	-	-	
	C414.4	2.0	-	2.0	3.0	-	-	-	-	-	-	-	-	-	-	
	C414.5	3.0	3.0	3.0	-	2.0	-	-	-	-	-	3.0	-	-	-	
	C414.6	3.0	3.0	3.0	-	-	-	-	-	2.0	-	3.0	-	-	-	
	C414	2.5	2.4	2.3	3.0	2.0	1.0	2.0	2.0	2.0	2.0	2.5	2.8	2.0	2.0	1.0
BIG DATA ANALYTICS	C415.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C415.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C415.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C415.4	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	-	
	C415.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C415.6	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C415	2.3	1.3	1.2	-	-	-	-	-	-	-	-	-	2.0	2.0	
SOFTWARE PROJECT MANAGEMENT	C416.1	1.0	-	3.0	-	-	-	-	-	-	-	-	-	2.0	-	
	C416.2	1.0	-	2.0	-	3.0	-	-	-	-	-	-	-	2.0	-	
	C416.3	2.0	-	1.0	-	3.0	-	-	-	-	-	-	-	2.0	-	
	C416.4	1.0	-	3.0	-	2.0	-	-	-	-	-	-	-	2.0	-	
	C416.5	1.0	-	3.0	-	2.0	-	-	-	-	-	-	-	2.0	-	
	C416.6	1.0	-	3.0	-	2.0	-	-	-	-	-	-	-	2.0	-	
	C416	1.2	-	2.5	-	2.4	-	-	-	-	-	-	-	2.0	-	
SOFTWARE ARCHITECTURE AND DESIGN	C417.1	3.0	3.0	3.0	3.0	2.0	-	-	-	-	-	-	-	3.0	3.0	
	C417.2	2.0	-	3.0	-	3.0	-	-	-	-	-	-	-	3.0	3.0	
	C417.3	3.0	3.0	3.0	-	2.0	-	-	-	-	-	-	-	2.0	3.0	

PATTERNS LAB	C417.4	3.0	-	3.0	3.0	3.0	-	-	-	-	-	-	-	3.0	3.0
	C417	2.8	3.0	3.0	3.0	2.5	-	-	-	-	-	-	-	2.8	3.0
WEB TECHNOLOGIES LAB	C418.1	3.0	2.0	3.0	1.0	3.0	-	-	-	-	-	-	1.0	1.0	2.0
	C418.2	3.0	2.0	3.0	1.0	3.0	-	-	-	-	-	-	1.0	1.0	2.0
	C418.3	2.0	3.0	2.0	3.0	3.0	-	-	-	-	-	-	1.0	1.0	2.0
	C418.4	2.0	3.0	3.0	2.0	3.0	-	-	-	-	-	-	1.0	1.0	2.0
	C418.5	2.0	1.0	2.0	1.0	3.0	-	-	-	-	-	-	1.0	1.0	2.0
	C418.6	3.0	1.0	3.0	1.0	3.0	-	-	-	-	-	1.0	1.0	1.0	2.0
	C418	2.5	2.0	2.7	1.5	3.0	-	-	-	-	-	1.0	1.0	1.0	2.0
COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
DISTRIBUTED SYSTEMS	C421.1	3.0	3.0	-	-	-	-	-	-	-	-	-	-	3.0	-
	C421.2	-	3.0	2.5	-	-	-	-	-	-	-	-	2.0	2.5	-
	C421.3	-	-	3.0	-	3.0	-	-	-	-	-	-	-	2.5	-
	C421.4	3.0	3.0	-	-	3.0	-	-	-	-	-	-	3.0	3.0	2.5
	C421.5	-	2.0	3.0	-	3.0	-	-	-	-	-	-	-	2.5	3.0
	C421.6	-	3.0	3.0	-	3.0	-	-	-	-	-	-	-	-	2.5
	C421	3.0	2.8	2.9	-	3.0	-	-	-	-	-	-	2.5	2.7	2.7
MANAGEMENT SCIENCE	C422.1	3.0	2.0	1.0	1.0	1.0	2.0	2.0	-	-	-	2.0	1.0	1.0	-
	C422.2	2.0	3.0	3.0	2.0	3.0	1.0	-	2.0	2.0	2.0	-	-	2.0	1.0
	C422.3	2.0	2.0	-	-	-	2.0	2.0	-	-	-	3.0	1.0	-	-
	C422.4	1.0	1.0	3.0	3.0	-	-	-	-	1.0	-	-	-	-	-
	C422.5	2.0	2.0	-	-	2.0	-	2.0	3.0	-	-	1.0	-	-	-
	C422.6	1.0	1.0	-	1.0	-	-	-	2.0	2.0	-	-	2.0	-	-
	C422	1.8	1.8	2.3	1.8	2.0	1.7	2.0	2.3	1.7	2.0	2.0	1.3	1.5	1.0
MACHINE LEARNING	C423.1	3.0	2.0	2.0	-	-	-	-	1.0	-	-	-	-	-	-
	C423.2	3.0	2.0	2.0	2.0	-	-	-	1.0	-	-	-	-	1.0	-
	C423.3	3.0	2.0	2.0	-	-	-	-	1.0	-	-	-	-	2.0	1.0
	C423.4	3.0	2.0	2.0	-	-	-	-	1.0	-	-	-	-	1.0	1.0
	C423.5	2.0	1.0	1.0	-	-	-	-	1.0	-	-	-	-	1.0	1.0
	C423.6	2.0	2.0	1.0	-	-	-	-	1.0	-	-	-	-	-	1.0
	C423	2.7	1.8	1.7	2.0	-	-	-	1.0	-	-	-	-	1.3	1.0
ARTIFICIAL NEURAL NETWORKS	C424.1	3.0	2.0	2.0	2.0	-	1.0	-	-	-	-	-	-	-	2.0
	C424.2	3.0	3.0	3.0	3.0	-	-	-	-	-	-	-	-	2.0	-
	C424.3	3.0	3.0	3.0	3.0	-	-	-	-	-	-	-	-	-	2.0
	C424.4	3.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	-
	C424.5	2.0	2.0	3.0	2.0	2.0	-	-	-	-	-	-	-	-	2.0
	C424.6	1.0	2.0	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-
	C424	2.5	2.5	2.7	2.3	1.5	1.0	-	-	-	-	-	-	2.0	2.0
SEMINAR	C425.1	2.0	2.0	3.0	3.0	-	2.0	-	-	-	-	-	-	2.0	1.0
	C425.2	2.0	-	-	3.0	-	-	-	-	-	-	-	-	-	-
	C425.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C425.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C425.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C425.6	1.0	1.0	1.0	1.0	1.0	3.0	1.0	1.0	3.0	1.0	1.0	1.0	1.0	1.0
	C425	1.7	1.5	2.0	2.3	1.0	2.5	1.0	1.0	3.0	1.0	1.0	1.0	1.5	1.0

PROJECT	C426.1	-	3.0	-	-	-	-	-	-	-	-	-	-	-	3.0	
	C426.2	-	-	3.0	3.0	-	-	-	-	-	-	-	-	-	3.0	3.0
	C426.3	-	-	-	3.0	-	-	-	-	-	-	-	-	-	3.0	3.0
	C426.4	-	-	-	-	3.0	-	-	3.0	3.0	-	3.0	-	3.0	3.0	
	C426.5	-	-	-	-	-	3.0	3.0	-	-	-	-	-	-	3.0	3.0
	C426.6	-	-	-	-	-	-	-	-	-	3.0	-	3.0	3.0	3.0	
	C426	-	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	

BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE															
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING															
CO - PO/PSO Mapping															
BATCH: 2019-23															
COURS E NAME	PO / CO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2	PSO 1	PSO 2
English	C111.1	-	-	-	-	-	-	-	-	-	2.0	-	2.0	-	-
	C111.2	-	-	-	-	-	-	-	-	-	2.0	-	2.0	-	-
	C111.3	-	-	-	-	2.0	-	-	-	-	2.0	-	2.0	-	-
	C111.4	-	-	-	-	-	-	-	2.0	-	2.0	-	2.0	-	-
	C111.5	-	-	-	-	-	-	3.0	-	2.0	2.0	1.0	2.0	1.0	-
	C111	-	-	-	-	2.0	-	3.0	2.0	2.0	2.0	1.0	2.0	1.0	-
Mathematics - I	C112.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C112.2	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C112.3	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C112.4	1.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-
	C112.5	2.0	-	2.0	-	-	-	-	-	-	-	-	-	-	-
	C112	2.0	2.3	2.0	-	-	-	-	-	-	-	-	-	-	-
Applied Chemistry	C113.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C113.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C113.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C113.4	2.0	1.0	1.0	-	1.0	-	-	-	-	-	-	-	2.0	-
	C113.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C113	2.4	1.4	1.2	-	1.0	-	-	-	-	-	-	-	2.0	2.0
Fundamentals of Computer Science	C114.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C114.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C114.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C114.4	2.0	1.0	1.0	-	1.0	-	-	-	-	-	-	-	2.0	-
	C114.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0

ion Skills Lab	C127.2	-	-	-	-	2.0	-	-	-	-	-	-	-	-	-
	C127.3	-	-	-	-	2.0	-	-	-	-	-	-	-	-	-
	C127.4	-	-	-	2.0	2.0	-	-	-	-	-	-	-	-	-
	C127.5	-	-	-	2.0	2.0	-	-	-	-	-	-	-	-	-
	C127	-	-	-	2.3	2.0	-	-	-	-	-	-	-	-	-
Programmin g for Problem Solving using C Lab	C128.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C128.2	2.0	3.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C128.3	2.0	1.0	2.0	-	-	-	-	-	-	-	-	-	2.0	-
	C128.4	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	-
	C128.5	2.0	3.0	2.0	-	-	-	-	-	-	-	-	-	2.0	-
	C128	2.4	2.2	2.0	-	-	-	-	-	-	-	-	-	2.0	-
Engineering Exploration Project	C129.1	1.0	-	1.0	-	2.0	-	2.0	-	-	-	-	-	-	-
	C129.2	-	2.0	-	-	2.0	-	2.0	-	3.0	-	-	-	-	-
	C129.3	1.0	-	-	-	2.0	3.0	2.0	-	-	-	2.0	-	-	-
	C129.4	1.0	-	3.0	-	-	-	-	-	1.0	2.0	2.0	-	-	-
	C129.5	1.0	-	-	-	-	-	-	-	2.0	2.0	3.0	-	-	-
	C129	1.0	2.0	2.0	-	2.0	3.0	2.0	-	2.0	2.0	2.3	-	-	-
COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Constitution of India	C1210.1	-	-	-	-	-	3.0	3.0	-	-	-	-	-	-	-
	C1210.2	-	-	-	-	-	3.0	3.0	-	-	-	-	-	-	-
	C1210.3	-	-	-	-	-	3.0	2.0	-	-	-	-	-	-	-
	C1210.4	-	-	-	-	-	3.0	3.0	-	-	-	-	-	-	-
	C1210.5	-	-	-	-	-	3.0	3.0	-	-	-	-	-	-	-
	C1210	-	-	-	-	-	3.0	2.8	-	-	-	-	-	-	-
Mathematic al Foundations of Computer Science	C211.1	3.0	2.0	3.0	-	-	-	-	-	-	-	-	-	-	-
	C211.2	3.0	2.0	3.0	-	-	-	-	-	-	-	-	-	-	-
	C211.3	2.0	3.0	2.0	-	-	-	-	-	-	-	-	-	2.0	-
	C211.4	3.0	2.0	3.0	-	-	-	-	-	-	-	-	-	1.0	2.0
	C211.5	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0
	C211	2.8	2.2	2.6	-	-	-	-	-	-	-	-	-	-	1.5
Software Engineering	C212.1	3.0	3.0	2.0	2.0	1.0	-	2.0	-	-	2.0	-	2.0	1.0	2.0
	C212.2	2.0	3.0	2.0	1.0	-	-	2.0	1.0	2.0	3.0	-	-	-	2.0
	C212.3	2.0	3.0	2.0	1.0	-	-	1.0	-	2.0	3.0	-	-	-	1.0

	C212.4	3.0	-	3.0	1.0	2.0	-	-	1.0	2.0	2.0	-	-	2.0	2.0	
	C212.5	2.0	2.0	3.0	-	2.0	-	-	-	2.0	-	-	-	1.0	1.0	
	C212	2.4	2.8	2.4	1.3	1.7	-	1.7	1.0	2.0	2.5	-	2.0	1.3	1.6	
Python Programming	C213.1	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	2.0	-	
	C213.2	3.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	1.0	
	C213.3	2.0	3.0	2.0	2.0	-	-	-	-	-	-	-	-	2.0	2.0	
	C213.4	3.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	2.0	
	C213.5	2.0	3.0	2.0	2.0	-	-	-	-	-	-	-	2.0	2.0	2.0	2.0
	C213	2.6	3.0	2.4	2.0	-	-	-	-	-	-	-	2.0	2.0	2.0	1.8
Data Structures	C214.1	3.0	-	-	-	-	-	-	-	-	-	-	2.0	1.0	-	
	C214.2	3.0	2.0	1.0	1.0	-	-	-	-	-	-	-	2.0	1.0	-	
	C214.3	3.0	2.0	1.0	1.0	-	-	-	-	-	-	-	2.0	1.0	-	
	C214.4	3.0	2.0	1.0	1.0	-	-	-	-	-	-	-	2.0	1.0	-	
	C214.5	3.0	-	-	-	-	-	-	-	-	-	-	2.0	1.0	-	
	C214	3.0	2.0	1.0	1.0	-	-	-	-	-	-	-	2.0	1.0	-	
Object Oriented Programming through C++	C215.1	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	3.0	
	C215.2	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	3.0	
	C215.3	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	3.0	
	C215.4	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	3.0	
	C215.5	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	1.0	2.0	3.0	
	C215	3.0	2.0	3.0	2.0	-	-	-	-	-	-	-	1.0	2.0	3.0	
Computer Organization	C216.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C216.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C216.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C216.4	2.0	1.0	1.0	-	1.0	-	-	-	-	-	-	-	2.0	-	
	C216.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0	
	C216	2.4	1.4	1.2	-	1.0	-	-	-	-	-	-	-	2.0	2.0	
Computer Organization	C217.1	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	2.0	-	
	C217.2	3.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	1.0	
	C217.3	2.0	3.0	2.0	2.0	-	-	-	-	-	-	-	-	2.0	2.0	
	C217.4	3.0	3.0	3.0	2.0	-	-	-	-	-	-	-	-	2.0	2.0	
	C217.5	2.0	3.0	2.0	2.0	-	-	-	-	-	-	-	2.0	2.0	2.0	2.0
	C217	2.6	3.0	2.4	2.0	-	-	-	-	-	-	-	2.0	2.0	2.0	1.8
Data	C218.1	3.0	2.0	-	-	2.0	1.0	1.0	-	-	-	-	-	-	-	

Structures through C++ Lab	C218.2	-	3.0	2.0	1.0	2.0	1.0	-	-	-	-	-	-	-	-
	C218.3	1.0	1.0	3.0	-	1.0	-	1.0	-	-	-	-	-	-	-
	C218.4	-	2.0	2.0	3.0	2.0	-	1.0	-	-	-	-	-	-	-
	C218.5	1.0	-	2.0	1.0	1.0	1.0	-	-	-	-	-	-	-	-
	C218	1.7	2.0	2.3	1.7	1.6	1.0	1.0	-	-	-	-	-	-	-
Essence of Indian Traditional Knowledge	C219.1	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C219.2	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C219.3	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C219.4	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C219.5	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C219	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
Employability Skills- I	C2110.1	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C2110.2	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C2110.3	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C2110.4	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C2110.5	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
	C2110	-	-	-	-	-	2.0	-	-	-	-	-	-	-	-
Probability and Statistics	C221.1	2.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-
	C221.2	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C221.3	1.0	3.0	-	-	-	-	-	-	-	-	-	-	-	-
	C221.4	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C221.5	2.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-
	C221	2.0	2.6	2.0	-	-	-	-	-	-	-	-	-	-	-
Java Programming	C222.1	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C222.2	-	2.0	-	2.0	-	-	-	-	-	-	-	-	-	-
	C222.3	-	-	2.0	-	2.0	-	-	-	-	-	-	-	-	-
	C222.4	2.0	2.0	2.0	-	2.0	-	-	-	-	-	-	-	-	-
	C222.5	-	2.0	-	2.0	-	-	-	-	-	-	-	-	-	-
	C222	2.0	2.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-	-
Operating Systems	C223.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0	1.0
	C223.2	2.0	3.0	3.0	-	-	-	-	-	-	-	-	-	2.0	1.0
	C223.3	2.0	3.0	-	2.0	-	-	-	-	-	-	-	-	2.0	2.0
	C223.4	3.0	2.0	-	2.0	-	-	-	-	-	-	-	-	-	2.0
	C223.	3.0	2.0	-	1.0	-	-	-	-	-	-	-	-	2.0	1.0

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	C223	2.6	2.4	3.0	1.7	-	-	-	-	-	-	-	-	2.0	1.4
Database Management Systems	C224.1	1.0	3.0	3.0	3.0	1.0	-	-	-	-	-	-	-	2.0	-
	C224.2	3.0	1.0	1.0	2.0	1.0	-	-	-	-	-	-	-	2.0	2.0
	C224.3	3.0	2.0	2.0	1.0	2.0	-	-	-	-	-	-	-	-	2.0
	C224.4	3.0	2.0	2.0	3.0	1.0	-	-	-	-	-	-	-	2.0	-
	C224.5	2.0	1.0	3.0	1.0	1.0	-	-	-	-	-	-	-	2.0	2.0
	C224	2.4	1.8	2.2	2.0	1.2	-	-	-	-	-	-	-	2.0	2.0
Formal Languages and Automata Theory	C225.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C225.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C225.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C225.4	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C225.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C225	2.4	1.4	1.2	-	-	-	-	-	-	-	-	-	2.0	2.0
Java Programming Lab	C226.1	3.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-	2.0	2.0
	C226.2	2.0	2.0	1.0	2.0	-	-	-	-	-	-	-	-	2.0	2.0
	C226.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C226.4	2.0	1.0	1.0	2.0	1.0	-	-	-	-	-	-	-	2.0	-
	C226.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C226	2.4	1.4	1.2	2.0	1.0	-	-	-	-	-	-	-	2.0	2.0
UNIX Operating System Lab	C227.1	3.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	3.0
	C227.2	2.0	3.0	1.0	2.0	-	-	-	-	-	-	-	-	1.0	2.0
	C227.3	2.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-	2.0	2.0
	C227.4	3.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-	2.0	1.0
	C227.5	3.0	2.0	2.0	3.0	-	-	-	-	-	-	-	-	1.0	2.0
	C227	2.6	2.0	1.8	2.3	-	-	-	-	-	-	-	-	1.6	2.0
Database Management Systems Lab	C228.1	2.0	-	3.0	-	2.0	-	-	-	-	-	-	-	1.0	-
	C228.2	2.0	3.0	3.0	2.0	2.0	-	-	-	-	-	-	-	2.0	-
	C228.3	2.0	-	3.0	-	2.0	-	-	-	-	-	-	-	2.0	-
	C228.4	2.0	-	3.0	2.0	2.0	-	-	-	-	-	-	-	1.0	-
	C228.5	1.0	2.0	1.0	-	-	-	-	-	-	-	-	-	1.0	-
	C228	1.8	2.5	2.6	2.0	2.0	-	-	-	-	-	-	-	1.4	-
Professional Ethics & Human Values	C229.1	-	-	-	-	-	2.0	-	-	-	2.0	-	2.0	1.0	-
	C229.2	-	-	-	-	-	2.0	-	-	1.0	1.0	-	1.0	2.0	-
	C229.	-	-	-	-	-	2.0	-	-	1.0	-	-	1.0	1.0	-

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	C229.4	-	-	-	-	-	2.0	-	-	2.0	2.0	-	2.0	2.0	-
	C229.5	-	-	-	-	-	2.0	-	-	-	2.0	-	2.0	1.0	-
	C229	-	-	-	-	-	2.0	-	-	1.3	1.8	-	1.6	1.2	-
Socially Relevant Project	C2210.1	1.0	3.0	3.0	-	3.0	-	3.0	2.0	3.0	3.0	3.0	3.0	3.0	2.0
	C2210.2	3.0	3.0	3.0	-	2.0	-	3.0	3.0	2.0	3.0	3.0	2.0	3.0	3.0
	C2210.3	2.0	1.0	1.0	3.0	1.0	2.0	1.0	-	-	-	2.0	3.0	2.0	2.0
	C2210.4	3.0	-	-	3.0	2.0	3.0	2.0	-	-	2.0	1.0	2.0	2.0	2.0
	C2210.5	-	-	1.0	-	1.0	2.0	3.0	-	2.0	3.0	2.0	2.0	1.0	2.0
	C2210.6	-	-	-	-	-	-	-	-	-	3.0	-	3.0	3.0	3.0
	C2210	2.3	2.3	2.0	3.0	1.8	2.3	2.4	2.5	2.3	2.8	2.2	2.5	2.3	2.3
COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Data Warehousing and Data Mining	C311.1	-	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	-
	C311.2	-	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	-
	C311.3	2.0	2.0	2.0	2.0	1.0	-	-	-	-	-	2.0	-	2.0	-
	C311.4	2.0	2.0	2.0	2.0	2.0	2.0	-	-	-	-	2.0	-	2.0	2.0
	C311.5	2.0	2.0	2.0	2.0	2.0	2.0	-	-	-	-	3.0	-	2.0	2.0
	C311	2.0	2.4	2.0	1.8	1.7	2.0	-	-	-	-	2.3	-	2.0	2.0
Computer Networks	C312.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C312.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C312.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C312.4	2.0	1.0	1.0	-	1.0	-	-	-	-	-	-	-	2.0	-
	C312.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C312	2.4	1.4	1.2	-	1.0	-	-	-	-	-	-	-	2.0	2.0
Compiler Design	C313.1	2.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C313.2	-	2.0	-	2.0	-	-	-	-	-	-	-	-	-	-
	C313.3	-	-	2.0	-	2.0	-	-	-	-	-	-	-	-	-
	C313.4	2.0	2.0	2.0	-	2.0	-	-	-	-	-	-	-	-	-
	C313.5	-	2.0	-	2.0	-	-	-	-	-	-	-	-	-	-
	C313	2.0	2.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-	-
Artificial Intelligence	C314.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C314.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C314.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0

	C314.4	2.0	1.0	1.0	-	1.0	-	-	-	-	-	-	-	2.0	-
	C314.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C314	2.4	1.4	1.2	-	1.0	-	-	-	-	-	-	-	2.0	2.0
Software Testing Methodologies	C315.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	-
	C315.2	3.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-	-	3.0
	C315.3	2.0	2.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-
	C315.4	3.0	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-
	C315.5	2.0	2.0	3.0	2.0	2.0	2.0	-	-	-	-	-	-	-	-
	C315	2.6	2.2	2.4	2.0	2.0	2.0	-	-	-	-	-	-	-	2.0
Computer Networks Lab	C316.1	2.0	2.0	2.0	-	2.0	-	-	-	-	-	-	-	2.0	-
	C316.2	2.0	2.0	3.0	2.0	2.0	-	-	1.0	-	-	-	-	2.0	-
	C316.3	2.0	2.0	-	3.0	2.0	-	-	-	-	-	1.0	-	2.0	-
	C316.4	1.0	2.0	2.0	-	-	-	-	2.0	-	-	-	1.0	2.0	-
	C316	1.8	2.0	2.3	2.5	2.0	-	-	1.5	-	-	1.0	1.0	2.0	-
AI Tools & Techniques Lab	C317.1	3.0	2.0	3.0	2.0	2.0	-	-	-	-	-	-	-	3.0	2.0
	C317.2	3.0	2.0	2.0	-	2.0	-	-	-	-	-	-	-	3.0	2.0
	C317.3	3.0	2.0	2.0	-	2.0	-	-	-	-	-	-	-	2.0	2.0
	C317.4	3.0	2.0	2.0	2.0	2.0	-	-	-	-	-	-	-	2.0	2.0
	C317.5	2.0	2.0	2.0	2.0	2.0	-	-	-	-	-	-	-	2.0	2.0
	C317	2.8	2.0	2.2	2.0	2.0	-	-	-	-	-	-	-	2.4	2.0
Data Mining Lab	C318.1	-	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	-
	C318.2	-	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	-
	C318.3	2.0	2.0	2.0	2.0	1.0	-	-	-	-	-	2.0	-	2.0	-
	C318.4	2.0	2.0	2.0	2.0	2.0	2.0	-	-	-	-	2.0	-	2.0	2.0
	C318.5	2.0	2.0	2.0	2.0	2.0	2.0	-	-	-	-	3.0	-	2.0	2.0
	C318	2.0	2.4	2.0	1.8	1.7	2.0	-	-	-	-	2.3	-	2.0	2.0
Employability Skills -II	C319.1	-	-	-	-	-	3.0	2.0	-	-	3.0	-	-	-	-
	C319.2	-	-	3.0	-	-	-	3.0	-	2.0	3.0	-	-	-	-
	C319.3	-	-	-	-	-	2.0	2.0	-	-	1.0	-	-	-	-
	C319.4	-	-	-	-	-	2.0	2.0	-	1.0	2.0	-	-	-	-
	C319.5	-	-	-	-	-	2.0	2.0	-	1.0	1.0	1.0	-	-	-
	C319	-	-	3.0	-	-	2.3	2.2	-	1.3	2.0	1.0	-	-	-
Web Technologies	C321.1	2.0	-	3.0	-	-	2.0	-	2.0	-	-	3.0	2.0	-	-
	C321.2	-	-	2.0	-	3.0	-	-	2.0	-	-	-	-	3.0	2.0

	C321.3	-	2.0	-	-	3.0	-	-	3.0	-	-	3.0	-	2.0	-
	C321.4	-	-	2.0	-	3.0	2.0	-	3.0	-	-	-	-	-	2.0
	C321.5	-	2.0	3.0	-	2.0	-	-	3.0	-	-	2.0	3.0	2.0	-
	C321	2.0	2.0	2.5	-	2.8	2.0	-	2.6	-	-	2.6	2.5	2.3	2.0
Distributed Systems	C322.1	2.0	1.0	-	-	-	-	-	-	-	-	-	-	3.0	-
	C322.2	2.0	1.0	-	-	-	-	-	-	-	-	-	-	3.0	-
	C322.3	3.0	2.0	1.0	1.0	-	-	-	-	-	-	-	-	3.0	2.0
	C322.4	3.0	2.0	1.0	1.0	-	-	-	-	-	-	-	-	3.0	2.0
	C322.5	3.0	2.0	-	-	-	-	-	-	-	-	-	-	3.0	2.0
	C322	2.6	1.6	1.0	1.0	-	-	-	-	-	-	-	-	3.0	2.0
Design and Analysis of Algorithms	C323.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	2.0
	C323.2	3.0	2.0	3.0	-	-	-	-	-	-	-	-	-	-	2.0
	C323.3	3.0	1.0	-	2.0	-	-	-	-	-	-	-	-	2.0	-
	C323.4	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0
	C323.5	3.0	1.0	-	2.0	-	-	-	-	-	-	-	-	-	2.0
	C323	3.0	1.6	2.5	2.0	-	-	-	-	-	-	-	-	2.0	2.0
Information Retrieval System	C324.1	3.0	-	-	3.0	-	-	-	2.0	2.0	2.0	-	3.0	2.0	-
	C324.2	-	3.0	-	-	-	-	-	1.0	-	2.0	-	-	-	3.0
	C324.3	-	3.0	3.0	-	-	2.0	-	-	2.0	2.0	-	1.0	3.0	2.0
	C324.4	2.0	2.0	2.0	-	-	-	1.0	2.0	1.0	-	-	-	-	-
	C324.5	3.0	3.0	-	3.0	1.0	-	-	2.0	-	-	-	1.0	2.0	3.0
	C324	2.7	2.8	2.5	3.0	1.0	2.0	1.0	1.8	1.7	2.0	-	1.7	2.3	2.7
EA&DE	C325.1	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	-
	C325.2	2.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C325.3	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	-
	C325.4	3.0	1.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C325.5	2.0	-	-	-	-	-	-	-	-	-	-	-	2.0	-
	C325	2.4	1.5	1.0	-	-	-	-	-	-	-	-	-	2.0	-
Managerial Economics and Financial Accountancy	C326.1	3.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-
	C326.2	-	3.0	-	-	-	-	-	-	-	-	2.0	-	-	-
	C326.3	-	-	3.0	-	-	-	-	-	-	-	-	-	-	-
	C326.4	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C326.5	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-
	C326	3.0	3.0	3.0	-	-	-	-	-	-	-	2.3	-	-	-

	C414.4	2.0	-	3.0	-	-	-	-	-	-	-	-	-	2.0	-
	C414.5	2.0	3.0	-	-	-	-	-	-	-	-	-	-	2.0	-
	C414	2.0	2.5	2.0	-	-	-	-	-	-	-	-	-	2.0	-
Software Project Management	C415.1	3.0	-	-	-	-	-	-	-	-	-	1.0	1.0	2.0	-
	C415.2	3.0	1.0	1.0	-	1.0	-	-	-	-	-	2.0	2.0	2.0	-
	C415.3	2.0	2.0	2.0	1.0	2.0	1.0	-	-	1.0	-	2.0	2.0	-	-
	C415.4	3.0	2.0	2.0	1.0	1.0	2.0	-	-	1.0	-	2.0	2.0	2.0	1.0
	C415.5	3.0	2.0	2.0	2.0	2.0	-	-	-	-	1.0	3.0	2.0	-	-
	C415	2.8	1.8	1.8	1.3	1.5	1.5	-	-	1.0	1.0	2.0	1.8	2.0	2.0
Cloud Computing	C416.1	3.0	1.0	2.0	2.0	-	-	-	-	-	-	2.0	3.0	2.0	3.0
	C416.2	2.0	2.0	3.0	2.0	-	-	-	-	-	-	3.0	3.0	3.0	2.0
	C416.3	3.0	1.0	2.0	2.0	-	-	-	-	-	-	3.0	2.0	2.0	3.0
	C416.4	3.0	2.0	3.0	2.0	-	-	-	-	-	-	2.0	2.0	3.0	3.0
	C416.5	2.0	1.0	2.0	2.0	-	-	-	-	-	-	1.0	1.0	2.0	2.0
	C416	2.6	1.4	2.4	2.0	-	-	-	-	-	-	2.2	2.2	2.4	2.6
UML Lab	C417.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C417.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C417.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C417.4	2.0	1.0	1.0	-	1.0	-	-	-	-	-	-	-	2.0	-
	C417.5	2.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C417	2.4	1.4	1.2	-	1.0	-	-	-	-	-	-	-	-	2.0
Project- I	C418.1	-	3.0	-	-	-	-	-	-	-	-	-	-	-	3.0
	C418.2	-	-	3.0	3.0	-	-	-	-	-	-	-	-	3.0	3.0
	C418.3	-	-	-	3.0	-	-	-	-	-	-	-	-	3.0	3.0
	C418.4	-	-	-	-	3.0	-	-	3.0	3.0	-	3.0	-	3.0	3.0
	C418.5	-	-	-	-	-	3.0	3.0	-	-	-	-	-	3.0	3.0
	C418.6	-	-	-	-	-	-	-	-	-	3.0	-	3.0	3.0	3.0
	C418	-	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
IPR & Patents	C419.1	3.0	-	-	-	-	-	-	2.0	-	-	-	-	-	-
	C419.2	-	2.0	-	-	-	-	-	2.0	-	-	-	-	-	-
	C419.3	2.0	-	3.0	-	-	2.0	-	3.0	-	-	-	-	-	-
	C419.4	3.0	2.0	-	-	-	2.0	-	3.0	-	-	-	-	-	-
	C419.5	2.0	-	-	-	2.0	-	-	2.0	-	-	-	2.0	-	-
	C419	2.5	2.0	3.0	-	2.0	2.0	-	2.4	-	-	-	2.0	-	-

