

BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CO-POs/PSOs matrices of courses selected in 3.1.1 (six matrices to be mentioned: one per semester from 3rd to 8th semester) (05)

Note: Enter correlation levels 1, 2 or 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

If there is no correlation, put ‘-‘

BONAM VENKATA CHALAMAYYA INSTITUTE OF TECHNOLOGY & SCIENCE															
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING															
CO - PO/PSO Mapping															
BATCH: 2019-23															
COURSE 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	C114.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C114.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0

Science	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
	C114	2.4	1.4	1.2	-	1.0	-	-	-	-	-	-	-	2.0	2.0
Engineering Drawing	C115.1	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C115.2	2.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C115.3	3.0	1.0	1.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C115.4	2.0	1.0	1.0	-	1.0	-	-	-	-	-	-	-	2.0	-
	C115.5	2.0	2.0	3.0	-	-	-	-	-	-	-	-	-	2.0	2.0
	C115	2.4	1.6	1.6		1.0								2.0	2.0
English Lab	C116.1	-	-	-	-	-	-	-	-	3.0	2.0	-	2.0	-	2.0
	C116.2	-	-	-	-	-	-	-	-	3.0	2.0	-	2.0	-	2.0
	C116.3	-	-	-	-	-	-	-	-	3.0	2.0	-	2.0	-	2.0
	C116.4	-	-	-	-	-	-	-	-	3.0	2.0	-	2.0	-	2.0
	C116.5	-	-	-	-	-	-	-	-	3.0	2.0	-	2.0	-	2.0
	C116	-	-	-	-	-	-	-	-	3.0	2.0	-	2.0	-	2.0
Applied Chemistry Lab	C117.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C117.2	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C117.3	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C117.4	3.0	3.0	-	-	3.0	-	-	-	-	-	-	-	-	-
	C117.5	2.0	3.0	-	-	3.0	-	-	-	-	-	-	-	-	-
	C117	2.6	2.7	-	-	3.0	-	-	-	-	-	-	-	-	-
IT Workshop	C118.1	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C118.2	-	-	2.0	-	-	-	-	-	-	-	-	-	-	-
	C118.3	-	-	-	-	2.0	-	-	-	-	-	-	-	-	-
	C118.4	-	-	-	-	2.0	-	-	-	-	-	-	-	-	-
	C118.5	3.0	-	3.0	-	2.0	-	-	-	-	-	-	-	-	-
	C118	3.0	-	2.5	-	2.0	-	-	-	-	-	-	-	-	-
Environmental Science	C119.1	3.0	2.0	3.0	-	-	3.0	2.0	-	2.0	2.0	-	-	-	3.0
	C119.2	3.0	2.0	-	-	-	3.0	3.0	-	3.0	2.0	-	-	-	3.0
	C119.3	3.0	-	-	-	-	3.0	2.0	-	-	3.0	-	-	-	3.0
	C119.4	2.0	-	-	-	-	2.0	2.0	-	-	-	-	-	-	3.0
	C119.5	2.0	-	-	-	-	2.0	2.0	-	-	-	-	-	-	3.0
	C119	2.6	2.0	3.0	-	-	2.6	2.2	-	2.5	2.3	-	-	-	3.0

	C211	2.8	2.2	2.6	-	-	-	-	-	-	-	-	-	1.5	2.0
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 Structures through C++ Lab	C218.1	3.0	2.0	-	-	2.0	1.0	1.0	-	-	-	-	-	-	-
	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	C223.1	3.0	2.0	-	-	-	-	-	-	-	-	-	-	2.0	1.0

	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	3.0
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	C326.1	3.0	-	-	-	-	-	-	-	-	-	2.0	-	-	-
	C326.2	-	3.0	-	-	-	-	-	-	-	-	2.0	-	-	-

Financial Accountancy	C326. 3	-	-	3.0	-	-	-	-	-	-	-	-	-	-	-
	C326. 4	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
	C326. 5	-	-	-	-	-	-	-	-	-	-	3.0	-	-	-
	C326	3.0	3.0	3.0	-	-	-	-	-	-	-	2.3	-	-	-
Web Technologies Lab	C327. 1	3.0	-	-	3.0	2.0	-	-	-	3.0	-	2.0	-	-	2.0
	C327. 2	2.0	-	2.0	3.0	3.0	-	-	-	3.0	-	2.0	-	3.0	3.0
	C327. 3	3.0	-	-	3.0	3.0	-	-	-	2.0	-	3.0	-	2.0	2.0
	C327. 4	3.0	-	-	2.0	2.0	-	-	-	3.0	-	-	-	-	3.0
	C327	2.8	-	2.0	2.8	2.5	-	-	-	2.8	-	2.3	-	2.5	2.5
Industrial Training/Skill Development	C328. 1	-	2.0	-	-	-	-	-	-	-	-	-	-	-	-
	C328. 2	2.0	-	-	1.0	-	-	-	-	-	-	-	-	-	-
	C328. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	C328. 4	-	2.0	-	2.0	-	-	-	-	-	-	-	-	2.0	-
	C328. 5	-	-	-	3.0	-	-	-	-	-	-	-	-	-	-
	C328	2.0	2.0	-	2.0	-	-	-	-	-	-	-	-	2.0	-
COURSE NAME	PO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Cryptograph y and Network Security	C411. 1	-	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	-
	C411. 2	-	3.0	2.0	2.0	-	-	-	-	-	-	-	-	-	-
	C411. 3	2.0	2.0	2.0	2.0	1.0	-	-	-	-	-	2.0	-	2.0	-
	C411. 4	2.0	2.0	2.0	2.0	2.0	2.0	-	-	-	-	2.0	-	2.0	2.0
	C411. 5	2.0	2.0	2.0	2.0	2.0	2.0	-	-	-	-	3.0	-	2.0	2.0
	C411	2.0	2.4	2.0	1.8	1.7	2.0	-	-	-	-	2.3	-	2.0	2.0
UML & Design Patterns	C412. 1	3.0	-	-	2.0	-	-	-	-	-	-	-	-	3.0	-
	C412. 2	-	3.0	-	3.0	-	-	-	-	-	-	-	-	-	3
	C412. 3	-	-	3.0	-	2.0	-	-	-	-	-	-	-	3.0	2.0
	C412. 4	-	3.0	2.0	-	-	-	-	-	-	-	-	-	3.0	-
	C412. 5	-	-	2.0	3	-	-	-	-	-	-	-	-	2.0	3
	C412	3.0	3.0	2.3	2.7	2.0	-	-	-	-	-	-	-	2.8	2.7
Machine Learning	C413. 1	3.0	3.0	2.0	-	2.0	-	-	-	-	-	-	2.0	-	-
	C413. 2	3.0	3.0	3.0	3.0	3.0	-	-	3.0	-	-	-	2.0	2.0	2.0
	C413. 3	3.0	2.0	3.0	3.0	3.0	-	-	3.0	-	-	-	2.0	2.0	2.0
	C413. 4	2.0	2.0	2.0	3.0	3.0	-	-	3.0	-	-	-	2.0	2.0	2.0
	C413. 5	2.0	1.0	1.0	-	2.0	-	-	-	-	-	-	2.0	-	-

	C413	2.6	2.2	2.2	3.0	2.6	-	-	3.0	-	-	-	2.0	2.0	2.0
Embedded Systems	C414.1	3.0	2.0	1.0	-	-	-	-	-	-	-	-	-	2.0	-
	C414.2	1.0	-	-	-	-	-	-	-	-	-	-	-	2.0	-
	C414.3	2.0	-	<u>2.0</u>	-	-	-	-	-	-	-	-	-	2.0	-
	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	1.0
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	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	-	-	-	-	-	-

