B.E. /B.Tech in : Computer Science & Business Systems

Year 1

ID	Cluster	Semester 1 — Course	Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester) — Lecture	Tutorial	Practical	Credit
1. 1	SH	Discrete Mathematics (PCC-CS401)	3	1	0	4
1.2	SH	Introductory Topics in Statistics, Probability and Calculus	3	0	0	3
1.3	CS	Fundamentals of Computer Science+ Lab	3	0	4	5
1.4	SH	Principles of Electrical Engineering + Lab	2	0	2	3
1.5	SH	Fundamentals of Physics+ Lab	2	0	2	3
1.6	SH	Business Communication & Value Science - I	2	0	0	2
		Induction Program (Non Credit)				
		Total	**15**	**1**	**8**	**20**

ID	Cluster	Semester 2 — Course	Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester) — Lecture	Tutorial	Practical	Credit
1. 7	SH	Linear Algebra	3	1	0	4
1.8	SH	Statistical Methods + Lab	3	1	0	4
1.9	CS	Data Structures & Algorithms (PCC-CS301) + Lab	3	1	4	6
1.10	SH	Principles of Electronics + Lab	2	0	2	3
1.11	SH	Fundamentals of Economics	2	0	0	2
1.12	SH	Business Communication & Value Science – II	2	0	0	2
1. 13		Environmental Sciences (Non Credit)				
		Total	**15**	**3**	**6**	**21**

4 Weeks – Exchange Program among the Participating Institutes*

Year 2

ID	Cluster	Semester 3 — Course	Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester) — Lecture	Tutorial	Practical	Credit
2.1	CS	Formal Language and Automata Theory (PCC-CS502)	3	0	0	3
2.2	CS	Computer Organization & Architecture (PCC-CS 402)	3	0	4	5
2.3	CS	Object Oriented Programming (PCC-CS503) + Lab	2	0	4	4
2.4	CS	Computational Statistics + Lab	3	0	2	4
2.5	CS	Database Management Systems (PCC-CS503) + Lab	3	0	2	4
2.6		Indian Constitution (Non Credit)				
		Total	**14**	**0**	**12**	**20**

ID	Cluster	Semester 4 — Course	Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester) — Lecture	Tutorial	Practical	Credit
2.8	CS	Operating Systems (PCC-CS-403) + Lab (Unix)	3	0	2	4

			Lecture	Tutorial	Practical	Credit
2.9	CS	Design And Analysis of Algorithms (PCC-CS 404) + Lab	3	0	4	5
2.10	CS	Software Engineering + Lab	3	0	2	4
2.11	IIE	Introduction to Innovation, IP Management & Entrepreneurship	3	0	0	3
2.12	IIE	Design Thinking	2	0	2	3
2.13	MS	Operations Research + Lab	2	0	2	3
2.14	MS	Marketing Research & Marketing Management	2	0	0	2
2.15		Essence of Indian Traditional Knowledge (Non Credit)				
		Total	18	0	12	24
4 Weeks – Exchange Program among the Participating Institutes						

Year 3

Semester 5			Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester)			Credit
ID	Cluster	Course	Lecture	Tutorial	Practical	Credit
3.1	CS	Software Design with UML + Lab	2	0	2	3
3.2	CS	Compiler Design (PCC-CS 601) + Lab (LEX & YACC)	3	0	4	5
3.3	MS	Fundamentals of Management	2	0	0	2
3.4	MS	Business Strategy	2	0	0	2
3.5	SH	Business Communication & Value Science – III	2	0	0	2
3.6		Elective II**	3	0	2	4
3.7		Elective I + Lab**	2	1	2	4
3.8		Mini Project	0	0	2	1
		Total	49	1	34	23

Semester 6			Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester)			Credit
ID	Cluster	Course	Lecture	Tutorial	Practical	Credit
3.8	CS	Computer Networks (PCC-CS602) + Lab	3	0	4	5
3.9	CS	Information Security + Lab	3	0	2	4
3.10	DS	Artificial Intelligence + Lab	3	0	2	4
3.11	MS	Financial & Cost Accounting	2	0	0	2
3.12	SH	Business Communication & Value Science – IV	2	0	2	3
3.13		Elective IV + Lab**	3	0	2	4
3.14		Elective III + Lab**	2	0	2	3
		Total	18	0	14	25
Industrial Project (6-8 weeks)						

Year 4

Semester 7			Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester)			Credit
ID	Cluster	Course	Lecture	Tutorial	Practical	Credit
4.1	DTS	Usability Design of Software Applications + Lab	2	0	1	2.5
4.2	CS	IT Workshop Skylab / Matlab (PCC-CS 302) + Lab	1	0	4	3
4.3	MS	Financial Management	2.5	0	0	2.5
4.4	MS	Human Resource Management	2	0	0	2
4.5		Elective V**	2	1	2	4

ID	Cluster	Course	Lecture	Tutorial	Practical	Credit
4.6		Elective VI+ Lab**	2	1	2	4
4.7	MS	Services Science & Service Operational Management + Lab	3	0	2	4
4.8	MS	IT Project Management + Lab	3	0	2	4
		Total	**17.5**	**2**	**13**	**26**

		Semester 8	**Teaching Scheme (Hours per week) (Assumption: 15 weeks per semester)**			**Credit**
ID	**Cluster**	**Course**	**Lecture**	**Tutorial**	**Practical**	**Credit**
4.9		Project Evaluation I	0	0	2	1
		Total	**0**	**0**	**2**	**1**

Total Credit	**160**