

Syllabus Structure
Board of Studies (Computer Engineering)
B.E. Computer Engineering
2012 Course

BE (COMPUTER ENGINEERING)- 2012 COURSE STRUCTURE

Term-I

Subject Code	Subject	Teaching Scheme			Examination Scheme				Total Marks
		Lect.	Tut	Pract	In-Semester Assessment	PR/TW	OR/TW	End-Semester Examination	
410441	Design & Analysis of Algorithms	03	—	—	30	—	—	70	100
410442	Principles of Modern Compiler Design	03	—	—	30	—	—	70	100
410443	Smart Systems Design and Applications	04	—	—	30	—	—	70	100
410444	Elective-I	03	—	—	30	—	—	70	100
410445	Elective-II	03	—	—	30	—	—	70	100
410446	Computer Laboratory-I	—	—	04	—	50	50	—	100
410447	Computer Laboratory-II	—	—	04	—	50	50	—	100
410448	Project Work	—	—	—	—	50	—	—	050
	Total	16	02	08	150	150	100	350	750

Semester - II

Subject Code	Subject	Teaching Scheme			Examination Scheme				Total Marks
		Lect.	Tut	Pract	In-Semester Assessment	PR/TW	OR/TW	End-Semester Examination	
410449	Software Design Methodologies and Testing	03	—	—	30	—	—	70	100
410450	High Performance Computing	03	—	—	30	—	—	70	100
410451	Elective-III	03	—	—	30	—	—	70	100
410452	Elective -IV (Open Elective)	03	—	—	30	—	—	70	100
410453	Computer Laboratory -III	—	—	04	—	50	50	—	100
410454	Computer Laboratory-IV	—	—	04	—	50	50	—	100
410455	Project Work	—	06	—	—	50	100	—	150
	Total	12	06	08	120	150	200	280	750

	Elective-I		Elective-II
1.	Image Processing (Remote Sensing and Medical and Industrial Applications)	1.	Mobile Computing
2.	Computer Network Design and Modeling	2.	Web Technology
3.	Advanced Computer Programming	3.	Cloud Computing
4.	Pervasive Computing	4.	Cyber Forensics and Applications
	Elective-III		Elective-IV(Open Elective)
1.	Problem Solving with Gamification	1.	Business Intelligence
2.	Data mining Techniques and Applications	2.	Operations Research and Algorithms in scientific Applications
3.	Embedded Security	3.	Mobile Applications
4.	Multidisciplinary NLP	4.	Open Elective

Proposed Open Elective: The listed open electives or any other Electives that are being taught in the current semester (Term II) under engineering faculty or individual college and Industry can define new elective with proper syllabus using defined framework of Elective IV and GET IT APPROVED FROM BOARD OF STUDIES COMPUTER ENGINEERING AND OTHER NECESSARY STATUTORY SYSTEMS IN THE UNIVERSITY OF PUNE BEFORE 30th DECEMBER.