

**Scheme and Syllabus of Semesters V to VIII of B.E
(With effect from 2006-2007)**

Computer Science and Engineering

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
SCHEME OF TEACHING AND EXAMINATION
V SEMESTER
B.E. COMPUTER SCIENCE AND ENGINEERING

S. No.	Subject Code	Subject	Teaching Dept.	Teaching Hrs / Week		Examination			
				Theory	Practical	Duration (Hrs)	Marks		
							IA	Exam	Total
1	06AL51	Management and Entrepreneurship	CSE/ISE/MBA	04	-	03	25	100	125
2	06CS52	Systems Software	CSE/ISE	04	-	03	25	100	125
3	06CS53	Operating Systems	CSE/ISE	04	-	03	25	100	125
4	06CS54	Database Management Systems	CSE/ISE	04	-	03	25	100	125
5	06CS55	Computer Networks - I	CSE/ISE	04	-	03	25	100	125
6	06CS56	Formal Languages and Automata Theory	CSE/ISE	04	-	03	25	100	125
7	06CSL57	Database Applications Laboratory	CSE/ISE	-	03	03	25	50	75
8	06CSL58	Algorithms Laboratory	CSE/ISE	-	03	03	25	50	75
Total				24	06	-	200	700	900

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
SCHEME OF TEACHING AND EXAMINATION
VI SEMESTER
B.E. COMPUTER SCIENCE AND ENGINEERING

S. No.	Subject Code	Subject	Teaching Dept.	Teaching Hrs / Week		Duration (Hrs)	Examination		
				Theory	Practical		IA	Exam	Total
1	06CS61	Unix Systems Programming	CSE/ISE	04	-	03	25	100	125
2	06CS62 / 06IS662	Compiler Design	CSE/ISE	04	-	03	25	100	125
3	06IS63	Software Engineering	CSE/ISE	04	-	03	25	100	125
4	06CS64	Computer Networks - II	CSE/ISE	04	-	03	25	100	125
5	06CS65 / 06IS665	Computer Graphics and Visualization	CSE/ISE	04	-	03	25	100	125
6		Elective I (Group-A)	CSE/ISE	04	-	03	25	100	125
7	06CSL67	Computer Graphics and Visualization Laboratory	CSE/ISE	-	03	03	25	50	75
8	06CSL68	Systems Software and Compiler Design Laboratory	CSE/ISE	-	03	03	25	50	75
Total				24	06	-	200	700	900

Elective I – Group A

06CS661 Operations Research 06CS663 Data Compression 06CS665 Stochastic Models and Applications
06CS662 Signals and Systems 06CS664 Pattern Recognition

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
SCHEME OF TEACHING AND EXAMINATION
VII SEMESTER
B.E. COMPUTER SCIENCE AND ENGINEERING

S. No	Subject Code	Subject	Teaching Dept.	Teaching Hrs / Week		Examination			
				Theory	Practical	Duration (Hrs)	Marks		
							IA	Exam	Total
1	06CS71	Object-Oriented Modeling and Design	CSE/ISE	04	-	03	25	100	125
2	06IS72	Software Architectures	CSE/ISE	04	-	03	25	100	125
3	06CS73	Programming the Web	CSE/ISE	04	-	03	25	100	125
4	06CS74 / 06IS752	Embedded Computing Systems	CSE/ISE	04	-	03	25	100	125
5		Elective II (Group-B)	CSE/ISE	04	-	03	25	100	125
6		Elective III(Group-C)	CSE/ISE	04	-	03	25	100	125
7	06CSL77	Networks Laboratory	CSE/ISE	-	03	03	25	50	75
8	06CSL78	Web Programming Laboratory	CSE/ISE	-	03	03	25	50	75
Total				24	06	-	200	700	900

Elective II – Group B

06CS751	Advanced DBMS
06CS752	Digital Signal Processing
06CS753	Java and J2EE
06CS754	Multimedia Computing
06CS755 / 06IS74	Data Mining
06CS756	Neural Networks

Elective III – Group C

06CS761	C# Programming and .Net
06CS762	Digital Image Processing
06CS763	Game Theory
06CS764	Artificial Intelligence
06CS765	VLSI Design and Algorithms
06CS766	Fuzzy Logic

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM
SCHEME OF TEACHING AND EXAMINATION
VIII SEMESTER
B.E. COMPUTER SCIENCE AND ENGINEERING

S. No.	Subject Code	Subject	Teaching Dept.	Teaching Hrs / Week		Examination			
				Theory	Practical	Duration	Marks		
							IA	Exam	Total
1	06CS81	Advanced Computer Architectures	CSE/ISE	04	-	03	25	100	125
2	06IS82	System Modeling and Simulation	CSE/ISE	04	-	03	25	100	125
3		Elective IV(Group-D)	CSE/ISE	04	-	03	25	100	125
4		Elective V(Group-E)	CSE/ISE	04	-	03	25	100	125
5	06CS85	Project Work	CSE		06	03	100	100	200
6	06CS86	Seminar	CSE	-	-	-	50	-	50
Total				16	06		250	500	750

Elective IV – Group D

06CS831 Mobile Computing
 06CS832 Web 2.0
 06CS833 Storage Area Networks
 06CS834 Network Management Systems
 06CS835 Information and Network Security
 06CS836 Microcontroller-Based Systems

Elective V– Group E

06CS841 Adhoc Networks
 06CS842 / 06IS81 Software Testing
 06CS84 3 ARM Based System Design
 06CS84 4 Services Oriented Architecture
 06CS845 Grid Computing
 06CS846 Programming Languages

NOTE: Students have to register for one Elective from each of the five Elective Groups.
