

Proceedings of the 20th Meeting of the Academic Council of IIT held on 26.3.2010

BACHELOR OF COMPUTER APPLICATIONS
Curriculum
(2010-11 onwards)

University Core

Sl. No.	Course	Code	Course Title	L	T	P	C
			Basic English,	2	0	2	3
			Functional English	2	0	2	3
			Environmental Sciences	3	0	0	3
1	MAT	106	Discrete Mathematical Structures	3	1	0	4
	ITA	398	Project Work	-	-	-	10
Total credits							23

University Elective

Sl. No.	Course	Code	Course Title	L	T	P	C
2			University Elective I	3	0	0	3

Programme Core

SL. No.	Course Code	Course Title	L	T	P	C	Pre-requisites (OR) Co-requisites
3		Communicative English	3	0	0	3	
4	ITA 101	Introduction to Information Technology	3	0	0	3	
5	ITA 102	Business Process Management	3	0	0	3	
6		Computational Methods	3	1	0	4	MAT 106
7	ITA 103	E-Commerce	3	0	0	3	
8	ITA 104	Programming in C	3	0	2	4	
9	ITA 105	Digital Computer Fundamentals	3	0	0	3	ITA 101
10	ITA 106	Design and Analysis of Algorithms	3	0	0	3	ITA 101
11	ITA 107	Object Oriented Programming	3	0	0	3	ITA 104
12	ITA 108	Object Oriented Programming Lab	0	0	3	2	ITA 107
13	ITA 109	Visual Programming	3	0	2	4	ITA 104
14	ITA 110	Linux/Unix Programming	3	0	2	4	
15	ITA 111	Data Structures	3	0	0	3	ITA 106,104
16	ITA 112	Programming in Java	3	0	2	4	ITA 107
17	ITA 113	System Software	3	0	0	3	ITA 111
18	ITA 114	Principles of Accounting	3	0	0	3	
19	ITA 115	Software Engineering	3	0	0	3	
20	ITA 116	Database Management Systems	3	0	2	4	ITA 111
21	ITA 117	Operating Systems	3	0	0	3	ITA 111
22	ITA 118	Operating Systems Lab	0	0	3	2	ITA 117
23	ITA 119	Computer Architecture	3	0	0	3	ITA 105
24	ITA 120	Scripting Languages	3	0	2	4	ITA 112
25	ITA 121	Computer Graphics	3	0	0	3	ITA 101
26	ITA 122	Data Communication and Networking	3	0	0	3	ITA 101,111
27	ITA 123	Microprocessor and Assembly Language Programming	3	0	0	3	ITA 105,119
28	ITA 124	Microprocessor Lab	0	0	3	2	ITA 123
39	ITA 125	Web Technology	3	0	0	3	ITA 120
30	ITA 126	Management Information Systems	3	0	0	3	
31	ITA 127	Multimedia Systems	3	0	2	4	ITA 121
Total		credits					92

Programme Elective

Sl. No.	Course	Code	Course Title	L	T	P	C	Pre-requisites
32	ITA	301	Software Testing	3	0	0	3	ITA 115
33	ITA	302	Expert Systems	3	0	0	3	ITA 106
34	ITA	303	Data Warehousing and Data Mining	3	0	0	3	ITA 116
35	ITA	304	Software Project Management	3	0	0	3	ITA 115
36	ITA	305	Database Administration	3	0	0	3	ITA 116
37	ITA	306	Network Security	3	0	0	3	ITA 122
38	ITA	307	Structured Systems Analysis and Design	3	0	0	3	ITA 101
39	ITA	308	Programming in C#	3	0	0	3	ITA 107
40	ITA	309	Decision Support Systems	3	0	0	3	ITA 126
41	ITA	310	Service Oriented Architecture	3	0	0	3	ITA 125
42	ITA	311	Open Source Programming	3	0	0	3	ITA 120

Total credits to be taken (4 courses)

12

Credit Summary	
Minimum Qualifying credits	130
Total credits Offered (UC+UE+PC+PE)	130
UC	23
UE	03
PC	92
PE	12

UC – University Core
 UE – University Elective
 PC – Programme Core
 PE – Programme Elective

