

**KUMARAGURU COLLEGE OF TECHNOLOGY, COIMBATORE 641 006**  
**(An Autonomous Institution under Anna University, Chennai)**  
**CURRICULUM (2007-2011)**

**B. Tech. INFORMATION TECHNOLOGY**

**SEMESTER - I**

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
U07HS101	English - I	3	1	0	100
U07MA101	Mathematics – I	4	1	0	100
U07PH101	Physics - I	4	0	0	100
<b>U07CY101</b>	<b>Chemistry</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>100</b>
U07GE101	Engineering Graphics I	2	0	3	100
U07GE102	Fundamentals of Computing	3	0	0	100
<b>PRACTICAL</b>					
U07PH102	Physics Laboratory Practical	0	0	2	100
U07CY102	Chemistry Laboratory Practical	0	0	2	100
U07GE103	Engineering Practices Lab Practical	0	0	3	100
U07GE104	Introduction to Computer Programming Practical	0	0	3	100

**SEMESTER - II**

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
U07HS201	English II	3	1	0	100
U07MA201	Mathematics II	5	1	0	100
U07PH206	Physics II	5	0	0	100
U07EC207	Electrical and Electronic Circuits	5	0	0	100
U07CS201	Data Structures	3	1	0	100
U07GE201	Engineering Mechanics	4	1	0	100
<b>PRACTICAL</b>					
U07EC204	Electronic Devices & Circuits Lab Practical	0	0	3	100
U07CS202	Data Structures Practical	0	0	3	100

**SEMESTER III**

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
U07MA301	Mathematics III	3	1	0	100
U07CS302	Computer Architecture	3	1	0	100
U07CS303	Microprocessors	3	1	0	100
U07CS305	Digital Principles and Systems Design	3	1	0	100
U07IT301	Principles of Communication	3	1	0	100
U07CS304	Object Oriented Programming and C++	3	1	0	100
<b>PRACTICAL</b>					
U07CS306	Algorithms Practical	0	0	3	100
U07CS307	Digital Circuits Lab Practical	0	0	3	100
U07CS308	Microprocessors Lab Practical	0	0	3	100

**SEMESTER IV**

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
U07IT401	Internet & Java Programming	3	0	0	100
U07CS603	Software Engineering	3	0	0	100
U07GM401	Environmental Science and Engineering	3	0	0	100
U07CS502	Computer Networks	3	1	0	100
U07MA403	Probability and Statistics	3	1	0	100
U07CS402	System Software	3	1	0	100
<b>PRACTICAL</b>					
U07GM402	Communication Skill Development	0	2	2	100
U07IT402	Java Programming Practical	0	0	3	100
U07CS506	System Software Practical	0	0	3	100
U07GM403	Technical Seminar 1	0	0	3	100

### **SEMESTER V**

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
U07IT501	<b>Digital Signal Processing</b>	3	1	0	100
U07CS401	<b>Object Oriented Analysis and Design</b>	3	1	0	100
U07IT502	<b>Telecommunication Systems</b>	3	0	0	100
U07IT503	<b>TCP/IP and Socket programming</b>	3	0	0	100
U07IT504	<b>Operating Systems</b>	3	1	0	100
U07IT505	<b>Principles of Compiler Design</b>	3	1	0	100
<b>PRACTICAL</b>					
U07IT506	<b>Software Engineering Practical</b>	0	0	3	100
U07IT507	<b>Network lab Practical</b>	0	0	3	100
U07IT508	<b>DSP and Communications Systems Practical</b>	0	0	3	100
U07GM404	<b>Middle Term Project #</b>	0	0	-	100
U07GM501	<b>Technical Seminar – II</b>	0	0	3	**

### **SEMESTER VI**

Code No.	Course Title	L	T	P	M
<b>THEORY</b>					
U07GM601	<b>Professional Ethics and Human Values</b>	3	0	0	100
U07CS501	<b>Database Management Systems</b>	3	1	0	100
U07IT602	<b>High Performance Networks</b>	3	0	0	100
U07IT603	<b>Cryptography and Network Security</b>	3	0	0	100
U07IT604	<b>Visual Programming</b>	3	0	0	100
U07MA502	<b>Numerical Methods</b>	3	1	0	100
<b>PRACTICAL</b>					
U07IT605	<b>Visual Programming Practical</b>	0	0	3	100
U07IT606	<b>Operating System Practical</b>	0	0	3	100
U07CS505	<b>Database Management System Practical</b>	0	0	3	100

### **SEMESTER VII**

-

<b>Code No.</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>M</b>
<b>THEORY</b>					
U07GM701	<b>Principles of Management</b>	3	0	0	100
U07IT701	<b>Component Based Technology</b>	3	0	0	100
U07CS702	<b>Mobile Computing</b>	3	0	0	100
U07CS604	<b>Graphics and Multimedia</b>	3	0	0	100
U07CSE07	<b>User Interface Design</b>	3	0	0	100
U07ITE05	<b>Advanced Java Programming</b>	3	0	0	100
<b>PRACTICAL</b>					
U07IT702	<b>Software Components Lab Practical</b>	0	0	3	100
U07CS605	<b>Graphics and Multimedia Lab Practical</b>	0	0	3	100
U07GM702	<b>Technical Seminar 3</b>	0	0	3	100

### **SEMESTER VIII**

<b>Code No.</b>	<b>Course Title</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>M</b>
<b>THEORY</b>					
U07IT801	<b>Management Information System</b>	3	0	0	100
U07CSE13	<b>Information Security</b>	3	0	0	100
U07GM801	<b>Total Quality Management</b>	3	0	0	100
<b>PRACTICAL</b>					
U07IT802	<b>Project Work</b>	0	0	12	200