

## Syllabus of Information Technology

Subjects for 1<sup>st</sup> year are common for all branches.

<b>THEORY</b>	<b>SESSIONALS</b>
Mathematics-I	Engineering Drawing-I
Physics-I	'C' Programming Lab
Chemistry-I	Workshop Practice-I
Mechanics-I	Physics Laboratory
Basic Electrical Engineering	Chemistry Laboratory
Communicative English	Communication Practice Laboratory-II
Thermodynamics	Engineering Drawing-II
Basic Electronic Engineering	Data Structure in 'C' Laboratory
Programming in 'C'	Workshop Practice-II
Mathematics-II	Communication Practice Laboratory-II
Business Communication In English	
Data Structure Using 'C'	

### 3<sup>rd</sup> Semester

<b>THEORY</b>	<b>SESSIONALS</b>
Mathematics-III	Basic Electronics Laboratory
Network Theory	Object Oriented Programming Laboratory
Analog Electronic Circuits	Mechanical Engineering Laboratory
Material Science	Analog Electronics Laboratory
Object Oriented Programming Using C++	
Organizational Behaviour	

### 4<sup>th</sup> Semester

<b>THEORY</b>	<b>SESSIONALS</b>
Mathematics-IV	Basic Electrical Engineering Laboratory
Electrical Machines	Relational Database Management System Laboratory
Physics of Semiconductor Devices	Network and Devices Laboratory
Relational Database Management System	Digital Electronics Laboratory
Engineering Economics and Costing	
Digital Electronics Circuit	

### 5<sup>th</sup> Semester

<b>THEORY</b>	<b>SESSIONALS</b>
Optimization in Engineering	Optimization Engineering Laboratory
Design and Analysis of Algorithms	Design and Analysis of Algorithms
Multimedia Technologies	Computer and Organization Laboratory
Computer Architecture and Organization	
Discrete Mathematical Structures	

Information System and Design	
-------------------------------	--

### 6<sup>th</sup> Semester

<b>THEORY</b>	<b>SESSIONALS</b>
Product and Operation Management	Operating Systems Laboratory
Operating Systems	DSP Laboratory
Computer Networks	Project
Computer Architecture and Organization-II	
Digital Signal Processing	
Artificial Intelligence	

### 7<sup>th</sup> Semester

<b>THEORY</b>	<b>SESSIONALS</b>
Environmental Engineering	Project
Compiler Design	Internet Technologies Lab.
Software Engineering	Compiler Design Lab.
Internet and Web Technologies	Seminar
Soft Computing	
Computer Graphics & Multimedia	

### 8<sup>th</sup> Semester

<b>THEORY</b>	<b>SESSIONALS</b>
Marketing Management	Project
Parallel & Distributed Systems	Seminar
Embedded Systems	Entrepreneurship Project
E-Commerce & ERP	Comp. Viva Voce
Mobile Computing	