

First Year 1st Semester Curriculum Structure for B.Tech. Course

Essential Studies for Professionals – I (IVC101)	
Department: Program: Course Code: Title of Course: Year of Study: Semester:	Basic Science and Humanities B. Tech. IVC101 Mandatory Industry and Values Added Courses (IVC) First Year First
Contact Hours: Credits: Type of course: Total Lecture Hours:	L-T-P: 1-0-0 0 Theory 12
Pre-requisites Courses:	Basic & fundamental knowledge of mathematics up to class 10 th standard, Logical & Analytical skill.
Course Outcome (CO):	CO1: Students will learn advance tricky approach for solving Quantitative Aptitude questions. CO2: It will enhance students' skill to appear in various aptitude test within limited time constrain. CO3: This module will enhance students Analytical skill & will also improve quick decision making skill. CO4: Students can prepare various competitive exams and different placement aptitude test as well. CO5: Good analytical skill and sound knowledge in analogies will also enhance student's interview facing skill.

Detailed Syllabus

● Module 1: Quantitative Aptitude

- 1) Quant foundation
- 2) Basic Multiplication
- 3) Division
- 4) Squaring numbers
- 5) Percentage
- 6) Ratio
- 7) Simple equation
- 8) Variation
- 9) Partnership
- 10) Profit & Loss

Module 2: Logical Mental ability -1

- 1) Coding and Decoding & Direction Sense
- 2) Series & Numbers
- 3) Blood Relations
- 4) Analogy

Book list:

1. Fast Track Arithmetic- Rajesh Verma
2. Verbal & non-verbal reasoning- R.S Agarwal
3. Quantitative Aptitude- R.S Agarwal
4. Analytical Reasoning –Peeyush Bhardwaj

