

Syllabus

1. Core Subjects:

I- Software Engineering

II- Compiler Design

III- Cloud Computing

IV- Real-Time Systems / Distributed Systems

V- Optimization in Engineering / Machine Learning / AI (college ke according change hota hai)

2. Elective Subjects (optional):

I- Wireless Sensor Networks

II- Numerical Methods

III- Control Systems

IV- Analog & Digital Communication

3. abs / Practical:

I- Software Engineering Lab

II- Compiler Design Lab

III- Seminar / Mini Project

IV- Skill Development Lab

4. Other Requirements:

I- Seminar / Presentation

II- Summer Internship (\approx 45 days)

III- Mandatory course (Indian Knowledge / ethics type subject)

💡 **Example (BPUT Odisha colleges) – since you are likely studying in Odisha**

Theory:

I- Software Engineering

II- Compiler Design

III- Optimization in Engineering

IV- Program Elective (like Cloud Computing / Real-Time System)

V- Open Elective

Practical:

I- Software Engineering Lab

II- Compiler Design Lab

III- Seminar

IV- Skill Lab / Project