Bachelor of Engineering (Information Engineering & Media)

**Technical**

**Technical Foundation Courses**

**Basics**
- Computer Software
  - Computing
  - Analog Electronics
    - Digital Electronics
  - Data Structure & Algorithm
    - Object-Oriented Programming
  - Software Engineering
    - Information Security
- Computer Hardware
  - Microprocessors
- Communications & Networking
  - Computer Communications
    - Communications Principles
- Digital Media Processing
  - Signal & Systems
  - Digital Signal Processing
  - Multimedia Systems

**Specializations & Electives**
- Information Technology
  - Computer Architecture
    - System Software
    - Database Systems
    - Web Services
    - AI & Data Mining
    - Embedded Systems
- Communications & Networking
  - Digital Communications
    - Wireless
    - Telecommunications
- Digital Media Processing
  - Audio Processing
    - Image Processing
    - Video Processing
  - Embedded Systems
- Visualization & Interactive Media
  - Graphics & Animation
    - Visualization
  - Geometric Modeling
  - Game Programming
  - Computer Vision

**Art, Design & Media Production**
- Drawing as a Conceptual Tool
- Visual Workshop I
- Visual Workshop II
- Basic Media Writing
- Web Design & Technology
- Visual Literacy & Communication

**Artistic**
- Laboratory Modules
- Design & Innovation Project
- 3rd Year Project

**Broadening**
- Effective Communication
- Technical Communication
- Professional Comm.
- Human Resource Mgmt
- Engineers & Society
- GER-PE (AHSS-1)
- GER-PE (AHSS-2)
- GER-PE (AHSS-3)
- GER-PE (STSS)
- GER-PE (BM)
- GER-UE 1
- GER-UE 2
- GER-UE 3

**Technical & Professional Foundation Courses**

**Practical**
- Laboratory Modules
- Design & Innovation Project
- 3rd Year Project

**Visual Workshop**
- Visual Workshop I
- Visual Workshop II

**Basic Media**
- Writing
- Web Design & Technology
- Visual Literacy & Communication

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