

**Relevant course:** Programming and Data Structures

**Relevant department:** Especially CSE and IT, but usually all other Departments also have this course as a basic course in the first year

**Pre requisite:** NIL

**Course outline:**

**Programming Style:** Names, expressions and statements, Consistency and idioms, Functions versus Macros, Magic numbers, Commenting, Control flow and program design

**Program efficiency:** time and space complexities

**Basics of Data structures.**

**Linked Lists:** Singly-linked, Doubly-linked, and circular lists

**Stacks, and Queues** (If time permits)