**CT-153 Programming Languages**

Language: definition, structures, survey of some programming languages, special and general purpose languages, data types, comparative study by means of primitive and composite data structures, control structures by means of expression of algorithms.

**Recommended Books:**

1. "Turbo C", Robert Lafore, Financial Times Prentice Hall, Rev Sub Edition, 1988.
2. "Let us C", Yashwant P. Kanetkar, Jones & Bartlett Publishers, 8$^{th}$ Edition, 2008.
3. Object-Oriented Programming in C++ (4th Edition).
4. The Art of R Programming: A Tour of Statistical Software Design by Norman Matloff, 2011.