

*Syllabus* : Programming assignments to build a compiler for a subset of a C-like programming language, using tools such as Lex / Flex / JLex and Yacc / Bison / CUP etc. C-Macro; Linker and Loader: Design of Linkers and Loaders in C-Compile and go loader, Absolute Loaders, Relocating Loaders, Direct Linking Loaders.

Documentation and Presentation: Document writing and Slides using LaTeX;

*Texts* :

1. D. Brown, J. Levine, T. Mason, Lex and Yacc, 2nd Edition, O'REILLY Publications.
2. J. J. Donovan, Systems Programming, 45th Reprint, Tata Mc-Graw-Hill, 1991
3. D. M. Dhamdhere, Systems Programming And Operating Systems, Tata Mc-Graw-Hill, 2 Revised edition, 2008.

*References* :

1. J. Levine, Linkers and Loaders, MORGAN KAUFFMAN, 1999.
2. Leslie Lamport, LaTeX: A Document Preparation System, 2nd Edition, Addison-Wesley Series, 1994.