

**School of Mathematical and Computational Sciences
Indian Association for the Cultivation of Science**

Compiler Construction: COM 5202

M. Sc Semester IV: 2021-2022

Instructor: Goutam Biswas

1. Compilers *Principles, Techniques, and Tools*, by A. V. Aho, Monica S. Lam, R. Sethi, & J. D. Ullman, 2nd ed., ISBN 978-81317-2101-8, Pearson Ed., 2008 (**text book**)
2. Modern Compiler Design, by Dick Grune, Kees van Reeuwijk, Henri E. Bal, Criel J. H. Jacobs, Koen Langendoen, 2nd ed., ISBN 978 1461 446989, Springer (2012).
3. Engineering a Compiler, by Keith D. Cooper & Linda Troczon, (2nd ed.), ISBN 978-93-80931-87-6, Morgan Kaufmann, Elsevier, 2012
4. Programming Language Pragmatics, by Michael L. Scott, ISBN 81-312-0737-4, Morgan Kaufmann, Elsevier, 2006
5. Advanced Compiler Design and Implementation by, *Steven S. Muchnick*, ISBN 981-4066-24-9, Morgan Kaufmann, Elsevier, 2000
6. Optimizing Compilers for Modern Architectures, by Randy Allen & Ken Kennedy, ISBN 81-8147-366-3, Morgan Kaufmann, Elsevier, 2002
7. Modern Compiler Implementation in C, by Andrew W. Appel, ISBN 81-7596-071-X, CUP
8. Practice and Principles of Compiler Building with C, by Henk Alblas & Albert Nymeyer, ISBN 81-203-1362-3, PHI
9. Introduction to Compiling Techniques *A first course using ANSI C, Lex and Yacc*, by J. P. Bennett, ISBN 0-07-053073-4, TMH
10. flex & bison by, *John R levine*, ISBN 81-8404-816-5, SPD - O'Reilly
11. <http://www.compilerconnection.com> - A compiler related home page.
12. *Compiler Construction using Flex and Bison* by Anthony Aaby, <http://cs.wvc.edu/~aabyan/464/Book>.