Compilers (CS31003)
Compilers Laboratory (CS39003)

Autumn 2024-25

Course Details

- Theory Teacher
  - Section 1: Bivas Mitra (*bivas@cse.iitkgp.ac.in*)
  - Section 2: Abhijit Das (*abhij@cse.iitkgp.ac.in*)

- Lecture Hours
  - Mon (08:00-09:55), Tue (12:00-12:55)

- Evaluation
  - TA Evaluation: Marks 20 (Two Class Tests)
  - Mid Semester: Marks 30
  - End Semester: Marks 50
  - Grading will be relative

- Meeting Outside Class: By appointment through mail

Course Materials

- Slides will be uploaded on course page
  - https://cse.iitkgp.ac.in/~bivasm/compiler2024.html

- Books:
  - Compilers: Principles, Techniques, and Tools (2E) by A.V. Aho, Monica S Lam, R. Sethi, Jerey D. Ullman (Pearson / Addison-Wesley)
  - Compiler Design in C by Allen Holub
  - Modern compiler implementation in C by Appel
  - Advanced Compiler Design and Implementation by Muchnick

Course Details

- Laboratory Teachers
  - Abhijit Das
  - Bivas Mitra
- Laboratory Hours
  - Thurs (14:00 - 16:55)
- Evaluation
  - Assignments: Marks 40 (Individual weight of each assignment will be announced later)
  - Lab Tests: Marks 40 (Two Lab Quizzes)
  - Viva: Marks 20
  - Grading will be relative
- Meeting Outside Lab: By appointment through mail
- **Zero tolerance to plagiarized submissions.**

Course Details

- Assignment and Lab Test submission server is Moodle.
  - Please enroll as student in Moodle.
  - All assignments / material will be uploaded to Moodle.
- The submissions will be accepted only through Moodle (up to a Moodle server deadline). **No submission through mail or directly to the TA will be entertained.**
- ERP will also be used at times for communication. Make sure that your registered email at ERP works.
- **Zero tolerance to plagiarized submissions.**

Laboratory

- Assignments are individual and offline. TA interaction will be there during contact/lab hours.
- Language: C/C++
- Platform: Unix
- Tools: GNU
- Target Architecture: 64-bit
- **Please try to avoid MAC as much as possible.**