

Computer Science & Engineering  
**LABORATORY INSTRUCTION MANUAL**

**Compiler Design**  
**6<sup>th</sup> Semester, Course Code: CS 654**

**UNIVERSITY INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**PANJAB UNIVERSITY, CHANDIGARH**

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# Guidelines for Compiler Design Lab

Maximum Marks 50

L T P

## GENERAL INSTRUCTIONS TO STUDENTS

1. Students should be regular and come prepared for the lab practice.
2. In case a student misses a class, it is his/her responsibility to complete that missed experiment(s).
3. Students should bring the observation book, lab journal and lab manual.  
Prescribed textbook and class notes can be kept ready for reference if required.
4. They should implement the given experiment individually.
5. While conducting the experiments students should see that their programs would meet the following criteria:
  - Programs should be interactive with appropriate prompt messages, error messages if any, and descriptive messages for outputs.
  - Programs should perform input validation (Data type, range error, etc.) and give appropriate error messages and suggest corrective actions.
  - Comments should be used to give the statement of the problem and every function should indicate the purpose of the function, inputs and outputs
  - Statements within the program should be properly indented
  - Use meaningful names for variables and functions.
  - Make use of Constants and type definitions wherever needed.
6. Once the experiment(s) get executed, they should show the program and results to the instructors and copy the same in their observation book.
7. Questions for lab tests and exam need not necessarily be limited to the questions in the manual, but could involve some variations and / or combinations of the questions.

**Note:** Above mentioned instructions can be modified based on the context of the lab.

## **Format Guidelines for Practical file**

The guidelines prescribed in this file are intended to be followed by BE (CSE) students for preparing their practical file.

**Page Size:** A4

**Margins:** Left-1.25", Right-1.0", Top-1.0", Bottom-1.0"

**Program Title:** Bold – 14 points – Times New Roman – Left Aligned

**Source Code:** Normal – 12 points – Times New Roman – Left Aligned

**Student Name with his Roll number:** Normal – 12 points – Times New Roman – Right Aligned  
– Page Header

**Line spacing:** 1

**Page Numbers:** Normal – 12 points – Times New Roman – Centered – Page Footer

**Borders:** No

The printing should be done on one side of the paper. The format of title page and index is given in this file.

**Front Page Format for Practical file**

# **PRACTICAL FILE**

**BE (CSE) 6<sup>th</sup> Semester**

**Compiler Design (CS701)**

**January 2023 – June 2023**

**Submitted By**

**Name of Candidate**

**Roll Number:**

**Submitted To**

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2023**

# **PROCEDURE OF EVALUATION**

Student will be evaluated based on the following criteria:

Implementation of experiments,  
Viva and /or Test

Faculty may specify marks or %age of distribution.