

# **Mini-compiler of C language**

## **Compiler Design Lab Project**

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### **ABSTRACT**

We propose to handle the following specifications in our mini-compiler.

1. Basic data types-
  - a. int
  - b. char
2. Branching constructs-
  - a. If
  - b. else
  - c. else if
  - d. If - else - else if ladder
3. Looping constructs-
  - a. while loop,
  - b. nested while loop,
4. Functions-
  - a. Built-in functions-
    - i. printf()
    - ii. scanf()
    - iii. main()
  - b. User-defined functions with at most 2 parameters.
5. Comments-
  - a. Single-line comments
  - b. Multiple-line comments