

***Report on***

**“Title of the project”**

*Submitted in partial fulfillment of the requirements for* ***Sem VI***

***Compiler Design Laboratory***

**Bachelor of Technology**

**in**

**Computer Science & Engineering**

***Submitted by:***

|  |  |
| --- | --- |
| **<Name 1>**  **<Name 2>**  **<Name 3>** | **<SRN 1>**  **<SRN 2>**  **<SRN 3>** |

*Under the guidance of*

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| --- |
| **<Name of the Course Instructor>**  <Designation>  PES University, Bengaluru |

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

FACULTY OF ENGINEERING

**PES UNIVERSITY**

(Established under Karnataka Act No. 16 of 2013)

100ft Ring Road, Bengaluru – 560 085, Karnataka, India

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|  | **INTRODUCTION (Mini-Compiler is built for which language. Provide sample input and output of your project)** | **01** |
|  | **ARCHITECTURE OF LANGUAGE:**   * **What all have you handled in terms of syntax and semantics for the chosen language.** | **02** |
|  | **LITERATURE SURVEY (if any paper referred or link used)** | **03** |
|  | **CONTEXT FREE GRAMMAR (which you used to implement your project)** |  |
|  | **DESIGN STRATEGY (used to implement the following)**   * **SYMBOL TABLE CREATION** * **INTERMEDIATE CODE GENERATION** * **CODE OPTIMIZATION** * **ERROR HANDLING *-* strategies and solutions used in your Mini-Compiler implementation (in its scanner, parser, semantic analyzer, and code generator).** |  |
|  | **IMPLEMENTATION DETAILS (TOOL AND DATA STRUCTURES USED in order to implement the following):**   * **SYMBOL TABLE CREATION** * **INTERMEDIATE CODE GENERATION** * **CODE OPTIMIZATION** * **ERROR HANDLING *-* strategies and solutions used in your Mini-Compiler implementation (in its scanner, parser, semantic analyzer, and code generator).** * **Provide instructions on how to build and run your program.** |  |
|  | **RESULTS AND possible shortcomings of your Mini-Compiler** |  |
|  | **SNAPSHOTS (of different outputs)** |  |
|  | **CONCLUSIONS** |  |
|  | **FURTHER ENHANCEMENTS** |  |
| **REFERENCES/BIBLIOGRAPHY** | |  |