**SIMATS SCHOOL OF ENGINEERING**

**SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES**

**CHENNAI-602105**

**COMPILER FOR AI-DRIVEN IOT DEVICE AUTOMATION**

**A CAPSTONE PROJECT REPORT**

*Submitted in the partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

**Submitted by**

**B HARSHITH 192210516**

**N SAI CHARAN 192211384**

**Under the Supervision of**

**Dr.G.Michael**

**November-2024**

**SAVEETHA SCHOOL OF ENGINEERING**

**SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES**

**CAPSTONE PROJECT REPORT**

**Compiler for AI-Driven IoT Device Automation**

**CSA14 - COMPILER DESIGN**

**TEAM MEMBERS**

**B HARSHITH 192210516**

**N SAI CHARAN 192211384**

**DECLARATION**

We, B Harshith, N Sai charan students of Department of Computer Science and Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Chennai, hereby declare that the work presented in this Capstone Project Work entitled Compiler for AI-Driven IoT Device Automation is the outcome of our own bona fide work and is correct to the best of our knowledge. This work has been undertaken with due diligence, adhering to the principles of Engineering Ethics.

B HARSHITH 192210516N SAI CHARAN 192211384

Date:

Place:

**CERTIFICATE**

This is to certify that the project entitled entitled Compiler for AI-Driven IoT Device Automation submitted by B Harshith, N Sai charan has been carried out under our supervision. The project has been submitted as per the requirements in the current semester of B. Tech Computer Science and Engineering.

Faculty-in-charge

Dr.G.Michael

**INDEX**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Table of Contents** | **PAGE NO** |
| 1 | Abstract | 1 |
| 2 | Introduction | 1 |
| 3 | Literature Review | 2 |
| 4 | Research Plan | 2 |
| 5 | Methodology | 5 |
| 6 | Result | 6 |
| 7 | Conclusion | 9 |
| 8 | References | 10 |
| 9 | APPENDIX I | 11 |