

**TRIBHUVAN UNIVERSITY**

**INSTITUTE OF ENGINEERING**

**PULCHOWK CAMPUS**

**Project Report**

**On**

**HTMLER – A Minimal HTML Parser and Renderers**

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**Submitted By:**

Lokesh Pandey (077BCT040)

Madhav Prasad Parajuli (077BCT041)

Madhu Sharma ( 077BCT042)

**Submitted To:**

Department of Electronics and Computer Engineering

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# Abstract

Institute of Engineering(IOE) offers a four-year course on Bachelor degree in Computer Engineering and in the third semester, students have to do a minor project on Object oriented programming with C++ to implement theoretical knowledge acquired during study into a practical field. The main objective of the project is to develop a user-friendly program using C++. For this project, we made a minimal version of HTML parser and renderer, used to render HTML and CSS files in the application.

# ABBREVIATIONS

|  |  |
| --- | --- |
| HTML | HyperText Markup Language |
| CSS | Cascading Style Sheet |
| DOM | Document Object Model |
| CSSOM | CSS Object Model |
| SDL | Simple DirectMedia Layer |
| GUI | Graphical User Interface |
| OOP | Object Oriented Programming |
| API | Application Programming Interface |
| UTF | Unicode Transformation Format |
| ASCII | American Standard Code for Information Interchange |