**AN INDUSTRY ORIENTED MINI PROJECT REPORT ON**

**SafeSurf-Chrome Extension**

*in the partial fulfillment of the requirements for the award of the degree of*

**BACHELOR OF TECHNOLOGY**

in

**CSE (Cyber Security)**

**Submitted by**

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**DEPARTMENT OF CSE (Cyber Security)**

**CVR COLLEGE OF ENGINEERING**

**(*An Autonomous institution, NAAC Accredited and Affiliated to JNTUH, Hyderabad*)**

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**NOVEMBER 2024**

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**CERTIFICATE**

This is to certify that the Industry Oriented Mini Project report entitled **“SAFESURF-Chrome Extension”** Bonafide record of work carried out by **E SRIMANI TEJA (22B81A6251), T VIVEKANANDA (22B81A6263)** and **K VIGNESHWAR (22B81A6260)** submitted to **Dr. C. Raghavendra, Associate Professor** for the requirement of the award of **Bachelor of Technology** in **CSE (Cyber Security)** to the CVR College of Engineering, affiliated to Jawaharlal Nehru Technological University, Hyderabad during the year 2024-2025.

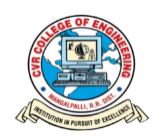
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**DECLARATION**

We hereby declare that the Industry Oriented Mini Project report entitled **“SAFESURF-Chrome Extension”** is an original work done and submitted to CSE (Cyber Security) Department, CVR College of Engineering, affiliated to Jawaharlal Nehru Technological University Hyderabad in partial fulfilment for the requirement of the award of Bachelor of Technology in CSE (Data Science) and it is a record of bonafide project work carried out by us under the guidance of **G. SAHITHI,** Assistant Professor, Department of CSE (Cyber Security).

We further declare that the work reported in this project has not been submitted, either in part or in full, for the award of any other degree in this Institute or any other Institute or University.

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**SYMBOLS**

Symbols

A Pre-exponential constant

Ad Droplet cross-sectional area, m2

As Droplet surface area, m2

A0 Nozzle cross sectional area. m2

Cp Specific heat, J/kg-K

Cam Reaction progress variable

C Coefficient of discharge of nozzle

Cd Reference specific heat at temperature T0

**ABBREVIATIONS**

ATDC After Top Dead Center

BDC Bottom Dead Center

BTDC Before Top Dead Center

CA Crank Angle

CAD Computer Aided Design

CCS Combined Charging System

CFD Computational Fluid Dynamics

CO Carbon Monoxide

CTC Characteristic–Time Combustion

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