## A FLEXIBLE HYBRID BEHAVIOR DYNAMIC METHODOLOGY FOR NETWORK INTRUSION DETECTION USING CONVOLUTIONAL NEURAL NETWORK

**A PROJECT REPORT**

***Submitted by***

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*Under the guidance of*

**Ms. P. JAYALAKSHMI ,M.E**

(Assistant Professor, Department of Computer Science and Engineering)

*in partial fulfilment for the award of the degree*

# BACHELOR OF TECHNOLOGY

***in***

**COMPUTER SCIENCE AND ENGINEERING**

***of***

## FACULTY OF ENGINEERING AND TECHNOLOGY



**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY RAMAPURAM CAMPUS, CHENNAI -600089**

## MAY 2023

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**BONAFIDE CERTIFICATE**

Certified that this project report titled **“A FLEXIBLE HYBRID BEHAVIOR DYNAMIC METHODOLOGY FOR NETWORK INTRUSION DETECTION USING CONVOLUTIONAL NEURAL NETWORK”** is the bonafide work of **VISWANATH V S [RA1911003020012], SURENDHARAN T G [RA1911003020021], NAVEEN PK [RA1911003020054]** who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form any other project report or dissertation on the basis of which a degree or award was conferred on an occasion on this or any other candidate.

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Submitted for the project viva-voce held on at SRM Institute of Science

and Technology, Ramapuram Campus, Chennai -600089.

**INTERNAL EXAMINER EXTERNAL EXAMINER**

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**RAMAPURAM, CHENNAI – 89**

**DECLARATION**

We hereby declare that the entire work contained in this project report titled “**A FLEXIBLE HYBRID BEHAVIOR DYNAMIC METHODOLOGY FOR NETWORK INTRUSION DETECTION USING CONVOLUTIONAL NEURAL NETWORK**“ has been carried out by **VISWANATH V S [RA1911003020012], SURENDHARAN T G [RA1911003020021], NAVEEN PK [RA1911003020054]** at SRM Institute of Science and Technology, Ramapuram Campus, Chennai- 600089, under the guidance of **Ms. P. JAYALAKSHMI, Assistant Professor**, Department of Computer Science and Engineering.

**Place: Chennai VISWANATH VS**

**SURENDHARAN TG**

## Date: NAVEEN PK



Department of Computer Science and Engineering

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**Student Name** : Viswanath VS, Surendharan TG, Naveen PK

**Registration Number** : RA1911003020012, RA1911003020021, RA1911003020054

**Title of Work** : A Flexible Hybrid Behavior Dynamic Methodology for Network Intrusion Detection using Convolutional Neural Network

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