A

Major Project Report

On

ROBUST DEFENSE SCHEME AGAINST SELECTIVE DROP ATTACK IN WIRELESS ADHOC NETWORKS

Submitted to

Jawaharlal Nehru Technological University, Hyderabad

in partial fulfillment of the requirements for the award of Degree of

Bachelor of Technology

in

Computer Science & Engineering

by

MUPPIDI SATHWIKA	(196Y1A0566)
NEKKANTI PAVANI SRI NAGAVALLI	(196Y1A0573)
SIRIMALLA TRIVENI	(206Y5A0509)
NANDIKONDA NAVYA	(196Y1A0572)

Under the guidance

of

Mr. G. RANADHEER REDDY
Asst. Professor

Department of Computer Science & Engineering

SUMATHI REDDY INSTITUTE OF TECHNOLOGY for WOMEN

(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)

Ananthasagar(Vill), Hasanparthy(M), Warangal - 506 371(T.S.), Website : www.sritw.org

2022-2023

S.R.I.T. FOR WOMEN ★ WARANGAL ★

PRINCIPAL
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

SUMATHI REDDY INSTITUTE OF TECHNOLOGY for WOMEN

(Approved by AICTE, New Delhi; Affiliated to JNTU, Hyderabad)

Ananthasagar(Vill), Hasanparthy(M), Warangal – 506 371(T.S.), Website : www.sritw.org

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**ROBUST DEFENSE SCHEME AGAINST SELECTIVE DROP ATTACK IN WIRELESS AD HOC NETWORKS"** is submitted by **M. Sathwika (196Y1A0566), N. Pavani (196Y1A0573), S. Triveni (206Y5A0509) and N. Navya (196Y1A0572)** in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering during academic year 2022-23.

Mr.G.RANADHEER REDDY
Project Guide

Dr.E.SUDARSHAN
Head of the Department

S.R.I.T. FOR WOMEN ★ WARANGAL ★

External Examiner

PRINCIPAL
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (T.S.)

ABSTRACT

In an ad hoc network, mobile computers cooperate to forward packets for each other, allowing nodes to communicate beyond their direct wireless transmission range. Performance and security are two critical functions of wireless ad-hoc networks (WANETs). Network security ensures the integrity, availability, and performance of WANETs. It helps to prevent critical service interruptions and increases economic productivity by keeping networks functioning properly. Since there is no centralized network management in WANETs, these networks are susceptible to packet drop attacks. In selective drop attack, the neighbouring nodes are not loyal in forwarding the messages to the next node. It is critical to identify the illegitimate node, which overloads the host node and isolating them from the network is also a complicated task. In this paper, we present a resistive to selective drop attack (RSDA) scheme to provide effective security against selective drop attack.

S.R.I.T. FOR WOMEN * WARANGAL *

Principal
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)