A PROJECT REPORT ON
SIGN LANGUAGE RECOGNITION TO TEXT AND VOICE USING CNN

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submit

KULLA SUSHMITHA(22117I1012)

GUNREDDY ANUSHA(22117I1003)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2021-2023 .

Viswambhara Educational Society

Ph : 0870-2455188

VAAGDEVI DEGREE & P.G. COLLEGE

Accredited by NAAC with 'A' Grade

(Approved by A.I.C.T.E., New Delhi & Affiliated to Kakatiya University)

2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.

www:vaagdevicolleges.com,   E-mail:a.schalam213@gmail.com,   principal@vaagdevicolleges.com

r. AMARAVADI SHESHA CHALAM

M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

incipal

CERTIFICATE

This is to certify that **KULLA SUSHMITHA** and **GUNREDDY ANUSHA** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"SIGN LANGUAGE RECOGNITION TO TEXT AND VOICE USING CNN"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department
Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal

Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Gunreddy Anusha (22117-I-1003) & Kulla Sushmitha (22117-I-1012)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Sign Language Recognition to Text and Voice Using CNN"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
USING DATAMINING TO PREDICT HOSPITAL ADMISSIONS FROM THE EMERGENGY DEPARTMENT

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

Parvathagiri Sri Ravali (22117-I-1009)

Naini Rohith (22117-I-1038)

Under the guidance of

Mr. K. SRIDHAR

(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to KAKATIYA UNIVERSITY)
Hanamkonda, Telangana, India 506001.
2022-2023

Viswambhara Educational Society   Ph : 0870-2455188

VAAGDEVI DEGREE & P.G. COLLEGE

Accredited by NAAC with 'A' Grade

(Approved by A.I.C.T.E., New Delhi & Affiliated to Kakatiya University)

2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.

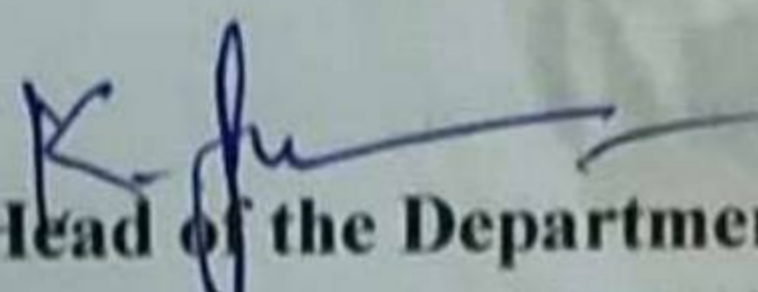www.vaagdevicolleges.com,   E-mail:a.schalam213@gmail.com,   principal@vaagdevicolleges.com

A
NAAC

r. AMARAVADI SHESHA CHALAM
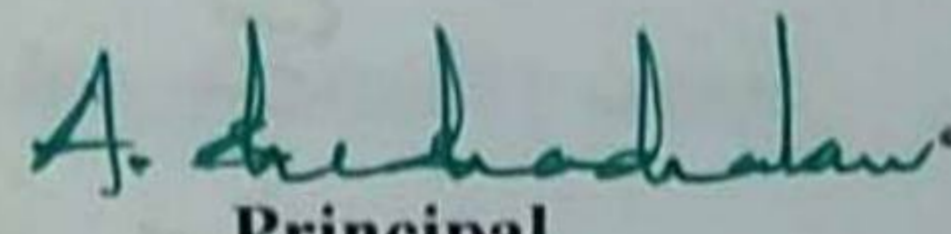
M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

incipal

CERTIFICATE

This is to certify that **Parvathagiri Sri Ravali** and **Naini Rohith** students of M.Sc

(Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have

successfully completed the project entitled **"USING DATAMINING TO PREDICT**

HOSPITAL ADMISSIONS FROM THE EMERGENGY DEPARTMENT" at Vaagdevi

Degree & P.G College,Hanamkonda in partial fulfillment of requirement for the award of the

M.Sc(Computer Science) from **Kakatiya University** is a record of bonafied work carried

out by them under my supervision.

Head of the Department

Department of Computer Sc.
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal

Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanamkonda

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Parvathagiri Sri Ravali (22117-I-1009) & Naini Rohith (22117-I-1038)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Using Data Mining to Predict Hospital Admissions from the Emergency Department"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON

TOWARDS BETTER STATISTICAL VALIDATION OF MACHINE LEARNING BASED QUALITY ESTIMATORS

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

MADDIKUNTA RAVALI (221171I010)

MOGULAJI MALAVIKA (221171I016)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

(Affiliated to Kakaitya University)

VAAGDEVI DEGREE & P.G COLLEGE

Hanamkonda, Telangana, India 506001.

2021-2023

CERTIFICATE

This is to certify that **MADDIKUTA RAVALI** and **MOGULAJI MALAVIKA** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"TOWARDS BETTER STATISTICAL VALIDATION OF MACHINE LEARNING BASED MULTIMEDIA QUALITY ESTIMATORS"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal

Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Maddikunta Ravali (22117-I-1010) & Mogulaji Malavika (22117-I-1016)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Towards Better Statistical Validation of Machine Learning Based Multimedia Quality Estimators"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON

PREDICTING STOCK MARKET TRENDS USING MACHINE LEARNING AND DEEP LEARNING ALGORITHMS VIA CONTINUOUS AND BINARY DATA; A COMPARATIVE ANALYSIS

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

HARIKA KONDU (2211711030)

SATHWIKA PENDYALA (2211711014)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

Viswambhara Educational Society   Ph : 0870-2455188

VAAGDEVI DEGREE & P.G. COLLEGE
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2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.
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r. AMARAVADI SHESHA CHALAM
M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.
incipal

CERTIFICATE

This is to certify that **HARIKA KONDU(22117I1030)**and **SATHWIKA PENDYALA(22117I1014)**students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"PREDICTING STOCK MARKET TRENDS USING MACHINE LEARNING AND DEEP LEARNING ALGORITHMS VIA CONTINUOUS AND BINARY DATA; A COMPARATIVE ANALYSIS"** at Vaagdevi Degree & P.G College,Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department Science
Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal
Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

CERTIFICATE

This is to certify that **Sathwika Pendyala (22117-I-1014) & Harika Kondu (22117-I-1030) of Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Predicting Stock Market Trends Using Machine Learning and Deep Learning Algorithms Via Continuous and Binary Data; A Comparative Analysis"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON

Weapon Detection using Artificial Intelligence and Deep Learning for Security Applications

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

Aravind Raikanti (22117-I-1032)

Chandrashekar A (22117-I-1035)

Under the guidance of

Mr. K. SRIDHAR

(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE

(Affiliated to Kakaitya University)

Hanamkonda, Telangana, India 506001.

2021-2023

AMARAVADI SHESHA CHALAM
M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

incipal

CERTIFICATE

This is to certify that **Aravind Raikanti (22117-I-1032)**and **Chandrashekar A (22117-I-1035)**students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"Weapon Detection using Artificial Intelligence and Deep Learning for Security Applications"** at Vaagdevi Degree & P.G College,Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department
Dep
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal
Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Aravind Raikanti (22117-I-1032) & Chandrashekar A (22117-I-1035)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Weapon Detection using Artificial Intelligence and Deep Learning for Security Applications"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
MODELING AND PREDICTION OF CYBER HACKING BREACHES

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

BOTIKA GAYATHRI **(22117-I-1017)**

JINNA MOUNIKA **(22117-I-1029)**

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

VAAGDEVI DEGREE & P.G. COLLEGE

Accredited by NAAC with 'A' Grade

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2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.

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r. AMARAVADI SHESHA CHALAM

M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

incipal

CERTIFICATE

This is to certify that **Botika Gayathri (22117-I-1017)** and **Jinna Mounika (22117-I-1029)** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"Modeling and Prediction of Cyber Hacking Breaches"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

Depar...
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal

Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

<u>CERTIFICATE</u>

This is to certify that **Botika Gayathri (22117-I-1017) & Jinna Mounika (22117-I-1029)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Modeling and Prediction of Cyber Hacking Breaches"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
A DEEP LEARNING FACIAL EXPRESSION RECOGNITION BASED SCORING SYSTEM FOR RESTAURANTS

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

LUNAVATH CHOPRA PRIYA (2211711028)

GEETHA REDDY ADIDELA (2211711037)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

Viswambhara Educational Society

VAAGDEVI DEGREE & P.G. COLLEGE

Ph : 0870-2455188

Accredited by NAAC with 'A' Grade

(Approved by A.I.C.T.E., New Delhi & Affiliated to Kakatiya University)

2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.

www.vaagdevicolleges.com,   E-mail:a.schalam213@gmail.com,   principal@vaagdevicolleges.com
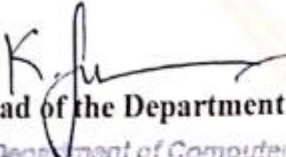
AMARAVADI SHESHA CHALAM

M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

ncipal

CERTIFICATE

This is to certify thatLUNAVATH CHOPRA PRIYA(22117I1028)andGEETHA

REDDYADIDELA(2211711037)students of M.Sc (Computer Science), Vaagdevi Degree &

P.G College affiliated to Kakatiya University have successfully completed the project entitled

"A DEEP LEARNING FACIAL EXPRESSION RECOGNITION BASED SCORING

SYSTEM FOR RESTAURANTS"at Vaagdevi Degree & P.G College,Hanamkonda in

partial fulfillment of requirement or the award of the **M.Sc (Computer Science)** from

Kakatiya University is a record of bonafied work carried out by them under my supervision.

Head of the Department

Department of Computer Science

VAAGDEVI DEGREE & P.G. COLLEGE

Hanamkonda.

Principal

Principal

VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Lunavath Chopra Priya (22117-I-1028) & Geetha Reddy Adidela (22117-I-1037)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"A Deep Learning Facial Expression Recognition Based Scoring System for Restaurants"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
EFFECTIVE FAKE NEWS DETECTION WITH DEEP DIFFUSIVE NEURAL NETWORK

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

BANCHODE SNEHA   **(2211711006)**

DONTHUKURTHI NIHARIKA   **(2211711040)**

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2021-2023

CERTIFICATE

This is to certify that **BANCHODE SNEHA**and **DONTHUKURTHI NIHARIKA**students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"EFFECTIVE FAKE NEWS DETECTION WITH DEEP DIFFUSIVE NEURAL NETWORK"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department.

Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Banchode Sneha (22117-I-1006) & Donthukurthi Niharika (22117-I-1040)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Effective Fake News Detection with Deep Diffusive Neural Network"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide
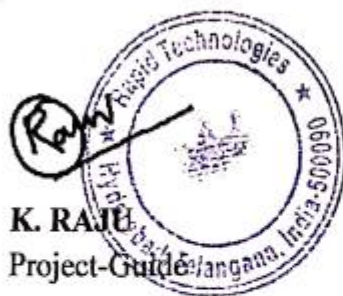
A PROJECT REPORT ON
USER CENTRIC MACHINE LEARNING FRAMEWORK FOR CYBER SECURITY OPERATIONS CENTRE

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

ASIREDDY SUKANYA(22117 I 1020)

CHINDAM NIKITHA (22117 I 1039)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

CERTIFICATE

This is to certify that **ASIREDDY SUKANYA** and **CHINDAM NIKITHA** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"User Centric Machine Learning Framework for Cyber Security Operations Centre"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal
Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Asireddy Sukanya (22117-I-1020) & Chindam Nikitha (22117-I-1039)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"User Centric Machine Learning Framework for Cyber Security Operations Centre"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.   •
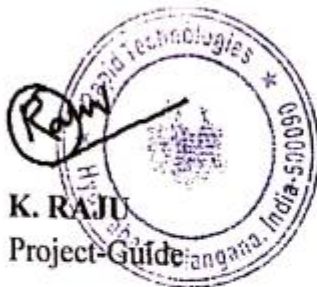
K. RAJU
Project-Guide

A PROJECT REPORT ON
FILTERING INSTAGRAM HASHTAGS THROUGH
CROWDTAGGING AND HITS ALGORITHM

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

Padidela Pragnya **(2211711008)**

Usakoila Laya **(2211711024)**

Under the guidance of

Mr. K. SRIDHAR

(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE

(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.

2022-2023

CERTIFICATE

This is to certify that **Padidela Pragnya(2211711008)**and **Usakoila Laya(2211711024)** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"FILTERING INSTAGRAM HASHTAGS THROUGH CROWDTAGGING AND HITS ALGORITHM"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

VAAGDEVI DEGREE & P.G. COLLEGE

Hanamkonda.

Principal

Principal

VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda.

External Examiner

Rapid Technologies

CERTIFICATE

This is to certify that **Pragnya Padidela (22117-I-1008) & Laya Usakoila (22117-I-1024)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Filtering Instagram Hash Tags Through Crowd Tagging and the HITS Algorithm"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
MULTI-TRAFFIC SCENE PERCEPTION BASED ON SUPERVISED LEARNING

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

GUGULOTH SUPRIYA (22117I1027)

PRASANNA DEVULAPALLY (22117I1031)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
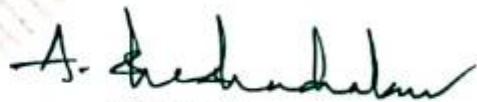Hanamkonda, Telangana, India 506001.
2022-2023

AMARAVADI SHESHA CHALAM
M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

incipal

CERTIFICATE

This is to certify that **Guguloth Supriya** and **Prasanna Devulapally** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"Multi-Traffic Scene Perception Based On Superviosed Learning"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal

Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Guguloth Supriya (22117-I-1027) & Pasanna Devulapally (22117-I-1031)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Multi – Traffic Scène Perception Based On Supervised Learning"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
AUTOMATING E-GOVERNMENT USING AI

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

PRASHANTH CHATARABOINA   (2211711015)

GUDDETI ROSHINI   (2211711034)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

CERTIFICATE

This is to certify that **PRASHANTH CHATARABOINA**and **GUDDETIROSHINI** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"AUTOMATING E-GOVERNMENT USING AI"** at Vaagdevi Degree & P.G College,Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department
Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Prashanth Chataraboina (22117-I-1015) & Guddeti Roshini (22117-I-1034)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Automating E-Government Using AI"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project Guide

A PROJECT REPORT ON
FREQUENT ITEMSETS MINING WITH
DIFFERENTIAL PRIVACY OVER LARGE SCALE DATA

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

RACHANA GATTU	(2211711019)
GOUTHAMI THUDI	(2211711021)
SAIKIRAN B	(2211711026)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakatiya University)
Hanamkonda, Telangana, India 506001.
2022-2023

Viswambhara Educational Society

VAAGDEVI DEGREE & P.G. COLLEGE

Ph : 0870-2455188

Accredited by NAAC with 'A' Grade
(Approved by A.I.C.T.E., New Delhi & Affiliated to Kakatiya University)
2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.
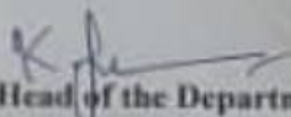www.vaagdevicolleges.com, E-mail a.schalam213@gmail.com, principal@vaagdevicolleges.com

Dr. AMARAVADI SHESHA CHALAM
M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

Principal

CERTIFICATE

This is to certify that **RACHANA GATTU ,GOUTHAMI THUDI** and **SAIKIRAN B** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"Frequent itemsets mining with differential privacy over large scale data"** at Vaagdevi Degree & P.G College.Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal

Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Rapid Technologies

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Gattu Rachana (22117-1-1019), Thudi Gouthami (22117-1-1021) &**
B Sai Kiran (22117-1-1026) of **Vaagdevi Degree and P.G College** are involved as project
trainees in the project titled **"Frequent Item Sets Mining With Differential Privacy Over**
Large Scale Data" from Rapid Technologies, in partial fulfillment for the award of **"M.Sc**
(Computer Science)" degree by Kakatiya University, Hanamkonda. They have been
extended access to computer systems, server access and all the software at our development
facility center. They have carried out project work during the period 16th March 2023 to 20th
June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
USE OF ARTIFICIAL NEURAL NETWORKS TO
IDENTIFY FAKE PROFILES

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

SAIRAM KALUVALA (2211711001)

PRANATHI SURAM (2211711023)

VISHNUMURTHY CHILUKAMARI (2111711029)

Under the guidance of

Mr. K. SRIDHAR

(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

CERTIFICATE

This is to certify that **Sairam Kaluvala (2211711001)**, **Pranathi Suram (2211711023)** and **Vishnumurthy Chilukamari (2211711029)** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"Use of Artificial Neural Networks to Identify Fake Profiles"** at Vaagdevi Degree & P.G College,Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department
Department of Computer S.
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal
Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Sairam Kaluvala (22117-I-1001), Pranathi Suram (22117-I-1023) and Vishnumurthy Chilukamari (21117-I-1029)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Use of Artificial Neural Networks to Identify Fake Profiles"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON

MISSING CHILD IDENTIFICATION SYSTEM USING
DEEP LEARNING AND MULTICLASS SVM

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

DESHINI   SHIVAMANI   (221171I1005)

THOTA   SHRIYA   (221171I1025)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

CERTIFICATE

This is to certify that **DESHINI SHIVAMANI** and **THOTA SHRIYA** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"MISSING CHILD IDENTIFICATION SYSTEM USING DEEP LEARNING AND MULTICLASS SVM"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

Principal

Principal
Vaagdevi Degree & P.G. Coll.
Kishanpura, Hanamkonda

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Deshini Shivamani (22117-I-1005) & Thota Shriya (22117-I-1025)**

of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled

"Missing Child Identification System Using Deep Learning and Multiclass SVM" from

Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"**

degree by Kakatiya University, Hanamkonda. They have been extended access to computer

systems, server access and all the software at our development facility center. They have

carried out project work during the period 16th March 2023 to 20th June 2023 under our

guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON

AUTOMATIC FACIAL EXPRESSION RECOGNITION USING FEATURES EXTRACTION BASED ON SPETIAL & TEMPORAL SEQUENCES USING CNN & RNN ALGORITHM

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

RANGU SRAVANI   (221171I007)

AKULA MADHURI   (221171I022)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

VAAGDEVI DEGREE & P.G. COLLEGE

Accredited by NAAC with 'A' Grade

(Approved by A.I.C.T.E., New Delhi & Affiliated to Kakatiya University)

\# 2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.

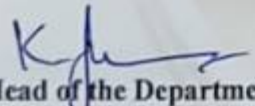www.vaagdevicolleges.com,   E-mail:a.schalam213@gmail.com,   principal@vaagdevicolleges.com

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AMARAVADI SHESHA CHALAM

M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

cipal

CERTIFICATE

This is to certify that **RANGUSRAVNI**and **AKULAMADHURI** students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"AUTOMATICFACIAL EXPRESSION RECOGNITION USING FEATURES EXTRACTION BASED ON SPETIAL & TEMPORAL SEQUENCES USING CNN & RNN ALGORITHM"** at Vaagdevi Degree & P.G College,Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

Department of Computer Science

VAAGDEVI DEGREE & P.G. COLLEGE

Hanamkonda.

Principal

Principal

VAAGDEVI DEGREE & P.G. COLLEGE

Kishanpura, Hanamkonda.

External Examiner

Date: 20ᵗʰ June 2023.

CERTIFICATE

This is to certify that **Rangu Sravani (22117-I-1007) & Akula Madhuri (22117-I-1022)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Automatic Facial Expression Recognition Using Features Extraction Based On Spetial & Temporal Sequences Using CNN & RNN Algorithm"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16ᵗʰ March 2023 to 20ᵗʰ June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
COVID-19 FUTURE FORECASTING USING ML

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

ARCHANA VISHWANATHAM (22117 I 1011)

BAJJURI SHIREESHA (22117 I 1033)

Under the guidance of

Mr. K. SRIDHAR

(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

Viswambhara Educational Society   Ph : 0870-2455188

VAAGDEVI DEGREE & P.G. COLLEGE

Accredited by NAAC with 'A' Grade

(Approved by A.I.C.T.E., New Delhi & Affiliated to Kakatiya University)
2-2-457/A, Kishanpura, Hanamkonda - 506 001, Warangal, T.S.
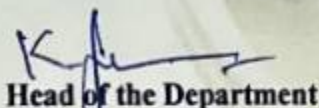www.vaagdevicolleges.com,   E-mail:a.schalam213@gmail.com,   principal@vaagdevicolleges.com

r. AMARAVADI SHESHA CHALAM
M.A., P.G.C.T.E., P.G.D.T.E., Ph.D.

incipal

CERTIFICATE

This is to certify that **ARCHANA VISHWANATHAM** and **BAJJURI SHIREESHA**   students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"Covid-19 future forecasting using ml"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department

Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Archana Vishwanatham (22117-I-1011) & Bajjuri Shireesha (22117-I-1033)** of **Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Covid-19 Future Forecasting Using ML"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJU
Project-Guide

A PROJECT REPORT ON
ANALYSIS OF THE LOGISTIC MODEL FOR
ACCIDENT SEVERITY ON URBAN ROAD ENVIRONMENT

2022-2023

Submitted to Kakatiya University

for the partial fulfillment of the requirements for the

award of the degree of

M.Sc. (Computer Science)

Submitted by

BODAKUNTLA SAIRAJ   (2211711002)

BOMMERA RATHISH   (2211711013)

Under the guidance of

Mr. K. SRIDHAR
(Head, Department of Computer Science)

VAAGDEVI DEGREE & P.G COLLEGE
(Affiliated to Kakaitya University)
Hanamkonda, Telangana, India 506001.
2022-2023

CERTIFICATE

This is to certify that **BODAKUNTLA SAIRAJ**and **BOMMERA RATHISH**students of M.Sc (Computer Science), Vaagdevi Degree & P.G College affiliated to Kakatiya University have successfully completed the project entitled **"ANALYSIS OF THE LOGISTIC MODEL FOR ACCIDENT SEVERITY ON URBAN ROAD ENVIRONMENT"** at Vaagdevi Degree & P.G College, Hanamkonda in partial fulfillment of requirement for the award of the **M.Sc (Computer Science)** from **Kakatiya University** is a record of bonafied work carried out by them under my supervision.

Head of the Department
Department of Computer Science
VAAGDEVI DEGREE & P.G. COLLEGE
Hanamkonda.

Principal
Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda.

External Examiner

Date: 20th June 2023.

CERTIFICATE

This is to certify that **Bodakuntla Sairaj (22117-I-1002) and Bommera Rathish (22117-I-1013) of Vaagdevi Degree and P.G College** are involved as project trainees in the project titled **"Analysis of The Logistic Model for Accident Severity on Urban Road Environment"** from Rapid Technologies, in partial fulfillment for the award of **"M.Sc (Computer Science)"** degree by Kakatiya University, Hanamkonda. They have been extended access to computer systems, server access and all the software at our development facility center. They have carried out project work during the period 16th March 2023 to 20th June 2023 under our guidance and supervision.

This project was developed and tested successfully at our development facility center.

K. RAJE
Project-Guide