

Vasavi College of Engineering (Autonomous)

ACCREDITED BY NAAC WITH 'A++' GRADE

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Hyderabad-500 031

Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Enhancing Human-Elephant Coexistence Through the Implementation of Advanced Conflict Monitoring** being submitted by **B. ANIRUTH and N. SAI VINEEL** bearing **1602-21- 737-007** and **1602-21-737-048** in partial fulfilment of the requirements for the award of the degree Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


Dr. S. Aruna

Associate Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao

Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Morality and Sentiment Analysis of Twitter Data based on Indian Context using Deep Learning** being submitted by **Anurag Sai Y, Ashish Sadhu and Madhav NLV** bearing **1602-21-737-009, 1602-21-737-011 and 1602-21-737-031** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


R Dharma Reddy
Associate Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project report entitled **LIGHTWEIGHT DEEP LEARNING APPROACH FOR TRAFFIC SIGN RECOGNITION** being submitted by **S. BAGAWAN REDDY** and **P. SAI CHARAN** bearing 1602-21-737-012 and 1602-21-737-045 in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. K. Ram Mohan Rao
Internal Guide


Dr. K. Ram Mohan Rao
External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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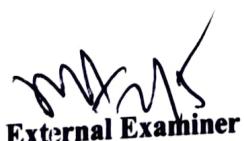


BONAFIDE CERTIFICATE

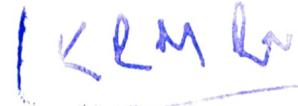
This is to certify that the project entitled **DEEP LEARNING BASED WILD ANIMAL ACTIVITY DETECTION & MONITORING SYSTEM** being submitted by **P. BHARGAV and K. LEKHANAG** bearing **1602-21-737-013** and **1602-21-737-029** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology in a record of Bonafide work carried out by them under my guidance.



Mrs. Sruthi Anand
Assistant Professor
Internal Guide



External Examiner



Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **An Integrated Machine Learning Framework for Crop Selection, Fertilizer Suggestion, and Disease Diagnosis** being submitted by **Suchith Bollam** and **Deepthi Modugula** bearing hallticket numbers **1602-21-737-058** and **1602-21-737-015** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Sireesha

C.Sireesha

Assistant Professor

Internal Guide

M. X. N.
External Examiner

KLM
Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Self-Adaptive Evolutionary InfoVAE Framework for Hyperspectral Unmixing with Endmember Variability** being submitted by **M Lokesh and B Shiva Shankar** bearing **1602-21-737-030** and **1602-21-737-050** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. T. Hirendra Sarma
Associate Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Enhancing Weed classification in agriculture** being submitted by **Kotha Manisaiganesh** and **Mohammed Qawiuddin** bearing **1602-21-737-032** and **1602-21-737-033** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Divya Lingineni
Divya Lingineni
Assistant Professor
Internal Guide

Dr. K. Ram Mohan Rao
Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Estimation of LAI with a Comparative Analysis for Yield Prediction in Rice and Maize** being submitted by **Alluru Prudhvi Raj Varma, Makam Shruthi and Anurag DVS** bearing **1602-21-737-040, 1602-21-737-052 and 1602-21-737-064** respectively in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Mr. K. Srinivasa Chakravarthy
Internal Guide

External Examiner

Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Hybrid Chaoitic Diffusion Algorithm** being submitted by **Gajawada Rishi** and **K Srihas Reddy** bearing hall ticket numbers **1602-21-737-042** and **1602-21-737-057** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


DRL Prasanna
Assistant Professor

Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD,IT


External Guide

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Fake-Profile Identification in Social Media** being submitted by **Gouda Harika** and **Gattu Niharika** bearing hall ticket number, **1602-21-737-016** and **1602-21-737-037** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bona fide work carried out by them under my guidance.

Dr. B. Kezia Rani
Associate Professor
Internal Guide

External Examiner

Dr. K. RamMohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **COUNTERFEIT PRODUCT DETECTION & PATENT VERIFICATION USING BLOCKCHAIN** being submitted by **MUDAPALLY SAI RISHIK** and **BOGGULA ABHINAY** bearing **1602-21-737-302** and **1602-21-737-002** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

A handwritten signature in black ink, appearing to read 'Haseeba'.

Ms. Haseeba Yaseen

Assistant Professor

Internal Guide

A handwritten signature in blue ink, appearing to read 'K. Ram Mohan Rao'.

Dr. K. Ram Mohan Rao

Professor & HOD, IT

A handwritten signature in black ink, appearing to read 'W. X. Y.'.

External Examiner

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Stock Market Prediction using Hybrid Deep Learning with Feature Engineering Model** being submitted by **Anish Reddy Bemalked** and **T N Sree Ram** bearing **1602-21-737-008** and **1602-21-737-054** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Dr. Tilottama Goswami

Professor

Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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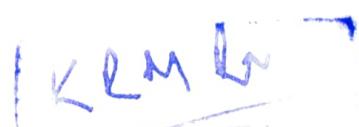
BONAFIDE CERTIFICATE

This is to certify that the project entitled **EXTRACTING AND SUMMARIZING VIDEO CONTENT USING ASR AND OCR** being submitted by **K. Nagasai** and **B. Vinay Kumar Reddy** bearing 1602-21- 737-036 and 1602-21-737-065 in partial fulfilment of the requirements for the award of the degree Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under our guidance.


Mr. G. Rajashekhar

Asst Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Enhancing Car Damage Analysis Through YOLOv8-Based Detection and Localization** being submitted by **N.Hemantha Giri** bearing **1602-21-737-020** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Mrs. S. Rajyalaxmi
Assistant Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Layered Security: Gradient Boosting Meets Naive Bayes for Intrusion Detection Title** being submitted by **Piyush Bhuyan and Vootla Krishna Sai Srinivas** bearing **1602-21-737-014** and **1602-21-737-026** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of the bona fide work carried out by them under my guidance.


Mr. K. Srinivasa Chakravarthy
Assistant Professor
Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **An Enhanced Machine Learning Based Recommendation System to Improve Student Performances** being submitted by **Laxmi Phani Meghana Pucha** and **Yelishetty Sreesha** bearing **1602-21-737-028** and **1602-21-737-055** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of Bonafide work carried out by them under my guidance.

Ms. Sruthi Anand
Assistant Professor
Internal Guide

Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **A Semi-Supervised Approach for Land Cover Analysis** being submitted by **Nuha Maryam** and **Shriya Chennam** bearing **1602-21-737-039** and **1602-21-737-051** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. T. Harendra Sarma
Associate Professor

Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Movie Success and Age-group Prediction using Machine Learning** being submitted by **Jayanth Dadi and Mrunal Gade** bearing **1602-21-737-022** and **1602-21-737-034** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


Mrs. M. Sathyā Devi
Assistant Professor

Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Enhancing Cloud Data Security and Storage Efficiency through Deduplication and AES** being submitted by **G. Vanshika and M. Jaya Ankitha** bearing **1602-21-737-060** and **1602-21-737-021** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


Mrs. B. Leelavathy
Assistant Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Data-Driven Drought Forecasting: Machine Learning Approaches for Telangana Agriculture** being submitted by **Sathur Harshitha** and **Telukuntla Pragna** bearing **1602-21-737-018** and **1602-21-737-192** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.



Dr. S. Sree Lakshmi
Assistant Professor
Internal Guide


External Examiner
Dr. K. Ram Mohan Rao
Professor & HOD, IT

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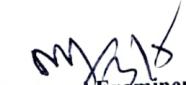
BONAFIDE CERTIFICATE

This is to certify that the project seminar **entitled Ensemble CNN Fusion for Precise Brain Tumor Detection and Classification** being submitted by **Sai Charan and Sai Nikhil** bearing **1602-21-737-044 and 1602-21-737-046** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


S. Renuka
Assistant Professor

Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Predicting Online Learning Performance using Integrated Behavioral and Academic Indicators** being submitted by **N.Akshay** and **B.Kiran Kumar** bearing **1602-21-737-006** and **1602-21-737-025** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of Bonafide work carried out by them under my guidance.

Soume Sanyal

Ms.SoumeSanyal

Assistant Professor
Internal Guide

[Signature]

Dr.K.RamMohanRao

Professor & HOD, IT

[Signature]
External Examiner

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Secure cloud storage system based on cipher text retrieval** being submitted by **M. Varun Adithya and H. Nagaraju** bearing **1602-21-737-062 and 1602-21-737-035** and in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology in a record of Bonafide work carried out by her under my guidance.


Dr. Y. Anjani Devi
Assistant Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

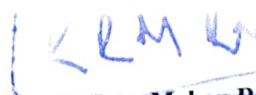
This is to certify that the project entitled **Interpretable Federated Learning for Multimodal Stress Monitoring and Analysis in Workplace Environments** being submitted by **P. Abhignya , R. Harini , G. Surya Teja** bearing **1602-21-737-001, 1602-21-737-017, 1602-21-737-059** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


C. Sireesha

Assistant Professor

Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Price Prediction of Agriculture Commodities Using Machine Learning**" being submitted by **G.RAJA** and **B.DINESH** bearing **1602-21-737-304** and **1602-21-737-305** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of Bonafide work carried out by them under my guidance.



R. Nandhakumari

Assistant Professor

Internal Guide



External Examiner



Dr. K. Ram Mohan Rao

Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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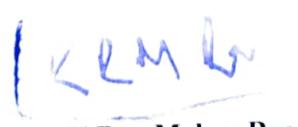
This is to certify that the project entitled **Generative Adversarial Networks for text to image Synthesis** being submitted by **B.Shwetha** and **P.Varsha** bearing **1602-21-737-053** and **1602-21-737-061** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.



Dr. S. K. Prashanth

Associate Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT



External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled “ Multi Model Predictor for GDP Forecasting” being submitted by “ Revanth Patloori”, Bodalapalle Ruchita bearing 1602-21-737-041, 1602-21-737-043 in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


Dr. S.K. Chaya Devi
Associate Professor
Internal Guide


External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Automated Network Anomaly Detection and Dashboard Visualization** being submitted by **Palle Munna , Dontha Ganesh kaushik** bearing **1602-21-737-301,1602-21-737-303** in partial fulfilment of the requirements for the award of the Degree of Bachelor of Engineering in Information Technology is a record of Bonafide work carried out by them under our guidance.

Mr. G. RAJASHEKHAR
ASSISTANT PROFESSOR
Internal Guide

External Examiner

Dr. K. Ram Mohan Rao
Professor & HOD, IT

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Secure Medical Record Access Control using Blockchain and Interplanetary File System** being submitted by **Pattem Abhiram** and **Eraram Akash** bearing **1602-21-737-003** and **1602-21-737-004** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

A handwritten signature in blue ink, appearing to read "G. Radha".

Assistant Professor

Internal Guide

A handwritten signature in blue ink, appearing to read "External Examiner".

External Examiner

A handwritten signature in blue ink, appearing to read "Dr. K. Ram Mohan Rao".

Dr. K. Ram Mohan Rao
Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled "**Wildland Fire Detection and Monitoring Using a Drone-Collected RGB/IR Image Dataset**" being submitted by **K. Arjun** and **G. Hemanth** bearing 1602-21- 737-010 and 1602-21-737-019 in partial fulfilment of the requirements for the award of the degree Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.



Dr. M. Neelakantappa

Associate Professor

Internal Guide



External Examiner



Dr. K. Ram Mohan Rao

Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **STEGANOGRAPHIC PIXEL ENCRYPTION LEVERAGING RSA CRYPTOGRAPHY TECHNIQUE** being submitted by **K. Sai Spandana** and **S. Sathvika Reddy** bearing **1602-21-737-047** and **1602-21-737-047** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Dr. K. Rama Krishna

Assistant Professor(Sr. Scale),IT

Internal Guide

External Examiner

Dr. K. Ram Mohan Rao

Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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Hyderabad-500 031

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This is to certify that the project seminar entitled **PCANet-Based Hyperspectral Image Classification for Oil Spill Detection** being submitted by **B. Nirdesh Kumar, and A. Venkat Sri Harsha** bearing **1602-21-737-038, 1602-21-737-063** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.



Ghazwan Ahmed Khan

Assistant Professor


External Examiner

Dr. K. Ram Mohan Rao

Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Diabetic Retinopathy Segmentation and Classification** being submitted by **Syed Irfan, Veshala Sai charan and Pirisingula Mukhul** bearing hall ticket numbers, **1602-20-737-052, 1602-21-737-306** and **1602-21-737-307** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of Bonafide work carried out by us under your guidance.

Mr. DAVID RAJU

Assistant Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Silent Video to Text: CNN-Based Deep Learning Model for Lip Movement Recognition and Transcription** being submitted by **PASHAM JYOSHNA REDDY** and **MAKKALA LAXMAN SAI PRAKASH** bearing **1602-21-737-023** and **1602-21-737-027** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bona fide work carried out by them under my guidance.



Dr. S. Aruna

Associate Professor

Internal Guide


External Examiner

Dr. K. Ram Mohan Rao

Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Prediction of Heart Disease on Fitbit data using CNN-BILSTM** being submitted by **S. Asima Shireen** and **Mohammed Kausar** bearing **1602-21-737-111** and **1602-21-737-309** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

A handwritten signature in blue ink, appearing to read 'S. K. Prashanth'.

Dr. S. K. Prashanth
Associate Professor
Internal Guide

A handwritten signature in blue ink, appearing to read 'B. P. J. S.' followed by 'External Examiner'.

A handwritten signature in blue ink, appearing to read 'K. Ram Mohan Rao'.

Dr. K. Ram Mohan Rao
Professor & HOD, IT

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**“Real-time Face Recognition for Criminal Identification and Missing Persons Identification”** being submitted by **K. S. Poojitha** and **A. Sai Sindhuja** bearing **1602-21-737-100** and **1602-21-737-106** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

M. Neelakantappa
Dr. M. Neelakantappa
Associate Professor
Internal Guide

M. Neelakantappa
M. Neelakantappa
External Examiner

K. Ram Mohan Rao
Dr. K. Ram Mohan Rao
Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Heart Disease Prediction using Optimized Xception for Smart Healthcare** being submitted by **B.Amulya** bearing **1602-21-737-069** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.



Dr. B. Kezia Rani

Associate Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT



External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Deepfake Detection with Face and Background Analysis** being submitted by **Chinthakindi Vignesh** and **Kanjarla Vikas** bearing **1602-21-737-124** and **1602-21-737-125** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Mrs. G. Radha
Assistant Professor
Internal Guide

External Examiner
W315T25

Dr. K. Ram Mohan Rao
Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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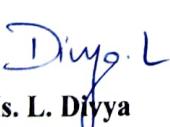
Hyderabad-500 031

Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **DDoS Detection Using Hybrid Deep Learning Models** being submitted by **Manoj Aripaka** and **Madala Teja** bearing **1602-21-737-094** and **1602-21-737-120** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Ms. L. Divya
Assistant Professor
Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT
External Examiner


Dr. K. Ram Mohan Rao

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Personality Assessment: Virtual HR Assistant An AI driven approach to assess candidate Traits, make data driven decisions** being submitted by **Bommanan Anvesh Reddy and Vaka Dilip Reddy** bearing **1602-21-737-072** and **1602-21-737-080** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Sireesha

Mrs.C. Sireesha

Assistant Professor

Internal Guide

[Signature]

Dr. K. Ram Mohan Rao

Professor & HOD, IT

[Signature]
External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **WebGuardAI** being submitted by **Atul** and **VB Srikanth** bearing 1602-21-737-074 and 1602-21-737-075 in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Mrs. DRL Prasanna

Assistant Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner
03/05/25

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Legal Judgment Prediction and Strategy for Outcome Optimization** being submitted by **Mohammed Imran**, and **Sai Kiran Kasarla** bearing hall ticket numbers, **1602-21-737-097** and **1602-21-737-105** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

NAK

Dr. N. Anil Kumar
Associate Professor
Internal Guide

I KLM b

Dr. K. Ram Mohan Rao
Professor & HOD, IT

M. Y. S. A. V. I. V.

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Real-Time Vehicle-Based Adaptive Traffic Management and Simulation** being submitted by **Chimata Deepak and Somashetti Bharath Kumar** bearing **1602-21-737-079** and **1602-21-737-313** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Ms. R. Nandakumari
Assistant Professor
Internal Guide

Dr. K. Ram Mohan Rao
Professor & HOD, IT
External Examiner

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BONAFIDE CERTIFICATE

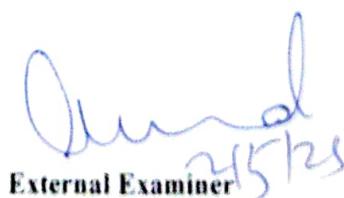
This is to certify that the project seminar entitled **Blockchain Decentralised E-Voting System** being submitted by **Anoohya Narsingi** and **B. Sai Sruthi** bearing 1602-21-737-070 and 1602-21-737-107 in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.



R. Dharma Reddy
Associate Professor
Internal Guide



Dr. K. Ram Mohan Rao
Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Deep Hyperspectral unmixing Using Sparse Swin Transformer Network** being submitted by **T. Geethanjali, B. Manasa and P. Poojitha** bearing **1602-21-737-083, 1602-21-737-093** and **1602-21-737-314** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. T. Hitendra Sarma
Associate Professor

Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Enhanced Multimodal Sentiment Analysis: Exploring GPU Efficiency and Textual Improvements with RoBERTa, ChromaDB, and SBERT** being submitted by **B Harshavardhan** and **Mirza Rafiq Ahmed** bearing **1602-21-737-085** and **1602-21-737-095** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Mrs. Leelavathy B

Assistant Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner Signature

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Secure Multi-user K-NN Query Processing on Encrypted Cloud Data** being submitted by **Cheruku Anushka** and **Bhanu Teja Vara Venkata** bearing **1602-21-737-071** and **1602-21-737-121** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. K. Ram Mohan Rao
Professor & HOD, IT
Internal Guide


External Examiner
21/5/25


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Leaf Disease Detection Using Deep Learning and using IoT** being submitted by **P.Shivamani** and **R.Lakshya** bearing **1602-21-737-113** and **1602-21-737-091** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Dr. S.K. Chaya Devi
Associate Professor
Internal Guide

Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Couture in 3D: Virtual Try-On for Traditional Fashion** being submitted by **Kadikonda Yashwanth and Sudha Ajay** bearing **1602-21-737-128 and 1602-21-737-067** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bona fide work carried out by them under my guidance.

Dr. S. Sree Lakshmi

Assistant Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner Signature

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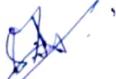
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Department of Information Technology



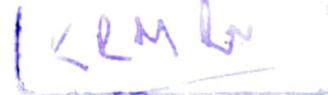
BONAFIDE CERTIFICATE

This is to certify that the **Marine Habitat Guardian: AI-Driven Ecosystem Protection for Ocean Conservation** project being submitted by **Prisha Jain and G Phanisai** bearing **1602-21-737-101** and **1602-21-737-102** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Mrs. S. Renuka

Assistant Professor

Internal Guide


Dr. K. Ram Mohan Rao

Professor

HOD, IT


External Examiner

MR/5/25

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **SecureGive: A Decentralized Donation System for Fraud Prevention Using Blockchain** being submitted by **D Shriya Kiran** and **Sreshtha R Vanga** bearing 1602-21-737-114 and 1602-21-737-115 in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under our guidance.

Ms Haseeba Yaseen

Assistant Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **NeuroScope : Brain Stroke Detection and Localization using MRI images** being submitted by by **Pallerla Nikhil and Mynepalli Satya Sai Krishna Kashyap** bearing **1602-21-737-099** and **1602-21-737-110** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Mr. N. David Raju
Assistant Professor
Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT


External Examiner
2/5/25

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Integrating Tesseract OCR with Large Language Models for Enhancing Textual Understanding** being submitted by **Sudhireddy Bhavya Reddy** and **Vancha Vyshalini Reddy** bearing **1602-21-737-077** and **1602-21-737-127** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Sowme Sanyal

Mrs. Sowme Sanyal
Assistant Professor
Internal Guide

3/5/25
External Examiner

KLM
Dr. K. Ram Mohan Rao
Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the course project entitled **Intelligent Pothole Detection with Adaptive Alert System for Enhanced Road Safety** being submitted by **Chaitanya Rajarapu, Mohammed Fahad Khan, and Srimaan Narayandas** bearing hall ticket numbers, **1602-21-737-078, 1602-21-737-096 and 1602-21-737-117** in Bachelor of Engineering in Information Technology in a record of bona fide work carried out by them under my guidance.

Dr. M. Neelakantappa

Associate Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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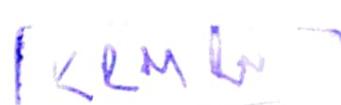
BONAFIDE CERTIFICATE

This is to certify that the project entitled **Privacy Protected Blockchain Based Sharing and Manual Verification of Student's Credentials** being submitted by **Harshavardhan** and **Sharath** bearing **1602-21-737-084** and **1602-21-737-112** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


S. Rajyalaxmi

Assistant Professor

Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner

2/5/25

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Early Detection and Management of PCOS** being submitted by **Bhavani Lavanga** and **Chinegepally Swathi Reddy** bearing **1602-21-737-076** and **1602-21-737-119** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

The signature is written in blue ink and appears to read 'K. Srinivasa Chakravarthy'.
Mr. K. Srinivasa Chakravarthy
Assistant Professor
Internal Guide

The signature is written in blue ink and appears to read 'K. Ram Mohan Rao'.
K. Ram Mohan Rao
Professor & HOD IT

The signature is written in blue ink and appears to read 'External Examiner'. Below the signature, the date '13/5/15' is written.
External Examiner
13/5/15

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **An Intelligent Recommendation System for Elective Subjects** being submitted by **Karthik Gattu** and **Rahul Satla** bearing **1602-21- 737-088** and **1602-21-737-311** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Dr. S. Aruna

Associate Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**3D semantic segmentation for autonomous vehicles**" being submitted by **A. Abhiram** and **Y. Abhiram** bearing **1602-21-737-066** and **1602-21737-108** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

G. Rajashekhar

Assistant Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

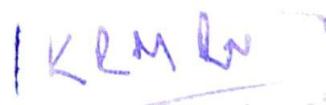
This is to certify that the project entitled **Online fraud detection using machine learning** being submitted by **Venkatashivasai Muppidi** and **Sai Krishna** bearing hall ticket numbers, **1602-21- 737-123** and **1602-21-737-308** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.



Dr. Rama Krishna

Assistant Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT


3/5/25

External Examiner

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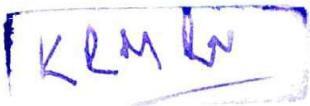


BONAFIDE CERTIFICATE

This is to certify that the project entitled **VitraFit: AI-Powered Vision for Smarter Fitness** being submitted by **Lakshmi Bhuvana Sunkara** and **Srinivas Sai Ram Sampathirao** bearing **1602-21-737-090** and **1602-21-737-118** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Mrs. B. Leelavathy

Assistant Professor, IT
Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Multi-Modal Live Event Detection For People Safety** being submitted by **Majji Dinesh Sai** and **Veerlapati Sai Vishwanadh** bearing **1602-21-737-081** and **1602-21-737-109** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Dr.T.Anjani Devi

Assistant Professor

Internal Guide

15/10/2025

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

15/10/2025

I K R M R

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **AI – Based Skin Disease Detection and Diagnosis** being submitted by **Kuthuru Sai Bhargavi** and **Dongari Sri Harsha** bearing **1602-21-737-104** and **1602-21-737-116** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


M. Sathya Devi
Assistant Professor
Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT
External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Sync2Lip: Lip Sync Video generation A novel approach using Adversarial Networks**" being submitted by **Akash Bheemisetty and Praneetha Balanagu** bearing **1602-21-737-068** and **1602-21-737-098** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Dr. Tilottama Goswami
Professor, IT
Internal Guide

Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Segment Anything Model for Hyperspectral Images** being submitted by **G. Divya Sri** and **G. Keerthi** bearing **1602-21-737-082** and **1602-21-737-089** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Dr. S.K. Prashanth

Associate Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Predicting Toxicity of Comments using Ensemble Learning Techniques** being submitted by **Varsha Bennuri** and **Vineeth Reddy** bearing **1602-21-737-122** and **1602-21-737-126** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Anand'.

Mrs. Sruthi Anand
Assistant Professor
Internal Guide

A handwritten signature in blue ink, appearing to read 'M. B. S. 15/25'.

External Examiner

A handwritten signature in blue ink, appearing to read 'K. Ram Mohan Rao'.

Dr. K. Ram Mohan Rao
Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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Hyderabad-500 031

Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Advanced Pneumonia Detection Using Vision Transformers** being submitted by **Mathari Lazarus** and **Bunne Nithish** bearing **1602-21-737-092** and **1602-21-737-312** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

A handwritten signature in black ink, appearing to read 'Ghazwan Khan'.

Mohd Ghazwan Ahmed Khan

Assistant professor

Internal Guide

A handwritten signature in blue ink, appearing to read 'K. Ram Mohan Rao'.

Dr. K. Ram Mohan Rao

Professor & HOD, IT

A handwritten signature in blue ink, appearing to read 'External Examiner' with the date '2/1/25' written below it.

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Hyderabad-500 031

Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Despeckling of SAR images Using CNN** being submitted by **P.Sai** and **S.Abbinandhan** bearing **1602-21-737-168** and **1602-21-737-168** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under our guidance.

G.Rajashekhar

Assistant Professor

IT Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD,

External Examiner

Vasavi College of Engineering (Autonomous)

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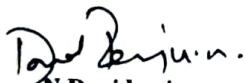
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Department of Information Technology

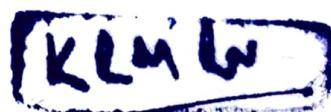


BONAFIDE CERTIFICATE

This is to certify that the project entitled **Detecting and tracking of fraud and mixed transaction in crypto currency** being submitted by **Sathwik Reddy Suram** and **Saradhi Katireddy** bearing **1602-21-737-173** and **1602-21-737-172** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


N. David raju

Assistant Professor
Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner
3/5/25

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Crime Forecasting System** being submitted by **V. Tejaswini and Ch. Rushika** bearing **1602-21-737-184** and **1602-21-737-319** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.



Ms. R. NandaKumari

Assistant Professor

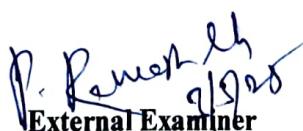
Internal Guide



[KLMR]

Dr. K. Ram Mohan Rao

Professor & HOD, IT



P. Ravesh
19/05
External Examiner

Vasavi College of Engineering (Autonomous)

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Hyderabad-500 031

Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Smart Traffic Management System Using Anomaly Detection And Load Balancing** being submitted by **A. Mahesh** and **R. Mamatha** bearing **1602-21-737-317** and **1602-21-737-320** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Mohd Ghazwan Ahmed Khan
Mohd Ghazwan Ahmed Khan
Associate Professor
Internal Guide

K. Ram Mohan Rao
Dr. K. Ram Mohan Rao
Professor & HOD, IT

R. Mamatha
External Examiner

Vasavi College of Engineering (Autonomous)

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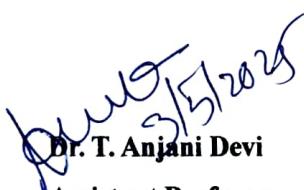
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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Crime Trend Analysis Using Machine Learning** being submitted by **R. Dileep Raj** and **A. Sai Krishna** bearing hall ticket number, **1602-21-737-136** and **1602-21-737-167** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under our guidance.


Dr. T. Anjani Devi
Assistant Professor

Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Vehicle Lane Detection and Segmentation Using Deep learning Models** being submitted by **S.Manaswini** and **T.Navish Rao** bearing hall ticket number **1602-21-737-149** and **1602-21-737-155** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bona fide work carried out by them under my guidance.

Mrs.Sruthi Anand

Assistant Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT

Dr. Ram Mohan Rao
External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **OBJECT DETECTION FOR VISUALLY IMPAIRED** being submitted by **Bogi Sushrith** and **Burugu Shivanag** bearing 1602-21-737-183 and 1602-21-737-175 in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. K. Ram Mohan Rao
Professor & HOD, IT
Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT


External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

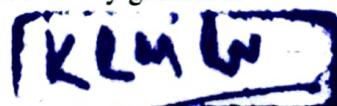
This is to certify that the project entitled **Machine Learning Approach for Earthquake Detection and Early Warning System** being submitted by **U.Sai Karthik, T.Vishnu Vardhan and Syed Ibrahim** bearing 1602-21-737-166, 1602-21-737-189 and 1602-21-737-321 partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.



S. Rajya laxmi

Assisstant Professor

Internal Guide



Dr. K. Ram Moha Rao

Professor & HOD, IT


External Examiner

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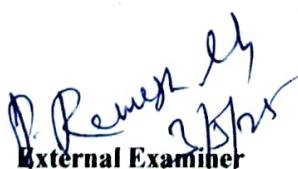
This is to certify that the project seminar entitled "**Multi-Model Framework for Proactive Wildfire Detection and Early Warning**" being submitted by **S. Avinash and R. Sathwik** bearing **1602-21-737-132** and **1602-21-737-161** in Bachelor of Engineering in Information Technology in a record of Bonafide work carried out by them under my guidance.


Mrs. G. Radha

Assistant professor
Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Cyberbullying Detection using Machine Learning** being submitted by **Varshith Palle and P.Shiva Sai** bearing **1602-21-737-185** and **1602-21-737-176** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


S. Renuka
Asst. Professor
Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT


External Examiner

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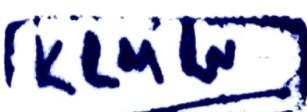
BONAFIDE CERTIFICATE

This is to certify that the project entitled **ENHANCING CAPACITY AND RESOLUTION OF AN IMAGE** being submitted by Dinesh and Abhishek bearing 1602-21-737-137 and 1602-21-737-130 in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

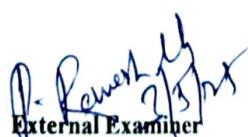

HASEEBA YASMIN

Assistant Professor

Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Credit card Fraud Detection using Hybrid LSTM and CNN** being submitted by **Hemanth Tirukovalluru and Mahendra Pinnelli** bearing **1602-21-737-143** and **1602-21-737-148** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Dr. B. Kezia Rani

Associate Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Enhanced Multi-Player Tracking for Football Match Analysis Using Occlusion-Aware and Re-Identification Models** being submitted by **Adapa Jyotiraditya Sushanth** and **Chilupuri Nalin Prabhath** bearing **1602-21-737-146** and **1602-21-737-153** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Soume Sanyal

Ms Soume Sanyal

Assistant Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT

R. Ravesh M. Sanyal
External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Fetal Health Detection: Machine Learning Approaches and Predictive Modeling** being submitted by **Tanuj Neela, Rishwanth Vallala and Vivekananda Padigela** bearing **1602-21-737-156, 1602-21-737-164 and 1602-21-737-191** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Dr. B. Kezia Rani

Associate Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **A Comparative analysis of various Machine Learning Techniques Loan Approval Prediction for Banks** being submitted by **Md. Shahnawaaz** and **G. Srinithi Reddy** bearing **1602-21-737-151** and **1602-21-737-180** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bona fide work carried out by them under my guidance.


Dr. Pratimma Goswami

Professor
Internal Guide



Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Semantic Segmentation Using RGB and Multispectral Images** being submitted by **M Charan Sai** and **R Rishika** bearing **1602-21-737-133** and **1602-21-737-163** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. T Hitendra Sarma
Associate Professor
Internal Guide


Dr. K. Ram Mohan Rao
Professor & HOD, IT
External Examiner

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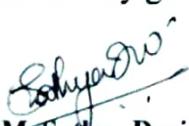
Hyderabad-500 031

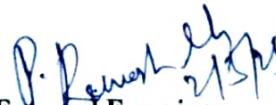
Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Multi-modal Sentiment and Sarcasm Detection Using Cross Modal Late Fusion** being submitted by **S. Nandini** and **M. Sri Harshini** bearing hall ticket number, **1602-21-737-154** and **1602-21-737-179** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Ms. M. Sathya Devi
Assistant Professor
Internal Guide


P. Ravinder Reddy
External Examiner


Dr. K. Ram Mohan Rao
Professor & HOD, IT

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Real-Time Deep Fake Video Detection Using Enhanced CViT** being submitted by **M Raheem Baig** and **B Ritesh** bearing **1602-21-737-150** and **1602-21-737-165** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

90%

Dr. S. Sreelakshmi
Assistant Professor
Internal Guide



Dr. K. Ram Mohan Rao
Professor & HOD, IT

P. Ravish Kumar 21/5/25
External Examiner

Vasavi College of Engineering (Autonomous)

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500 031 Department of Information Technology**



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Personalised Learning using Deep Learning techniques** being submitted by **Modali Harshitha Syamala and Vinnakota Likhitha** bearing **1602-21-737-142** and **1602-21-737-147** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Divy. L
Ms. Lingineni Divya

Assistant Professor
Internal Guide

PKMR

Dr. K. Ram Mohan Rao
Professor & HOD, IT

P. Ram Mohan Rao
External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Big Data Analytics In Diabetic Management System** being submitted by **C. Shreya Sree** and **A. Hasitha** bearing **1602-21-737-177** and **1602-21-737-315** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

A handwritten signature in blue ink, appearing to read 'Dr. M. Neelakantappa'.

Dr. M. Neelakantappa

Associate Professor

Internal Guide

A handwritten signature in blue ink, appearing to read 'Dr. K. Ram Mohan Rao'.

Dr. K. Ram Mohan Rao

Professor & HOD, IT

A handwritten signature in blue ink, appearing to read 'External Examiner' and '3/3/2025'.

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Predictive Analysis of Air Quality Index Using Environmental Time-Series Data** being submitted by **M.Shruthi** and **Ch.Vishalakshi** bearing **1602-21-737-178** and **1602-21-737-187** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Mr. R Dharma Reddy

Associate Professor
Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Unattended Object Detection and Tracking in Surveillance Videos Using Hybrid Deep Learning**" being submitted by **K. Pravan Steve** and **G. Vivek Reddy** bearing **1602-21-737-160** and **1602-21-737-190** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Mr. R. Dharma Reddy

Associate Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled “Crop Classification using Spectral Images” being submitted by **Jyothsna Thippani and Rishika Mandugula** bearing **1602-21-737-145** and **1602-21-737-162** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

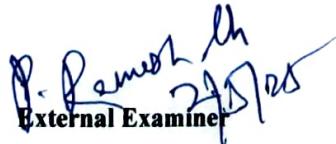

Dr. S.K. Chayadevi

Associate Professor

Internal Guide


Dr. K. Ram Mohan Rao

Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **AI-Driven Framework for Automated Food Categorization and Nutritional Quality Prediction** being submitted by **Kondaparthi Dhanush and Kalasani Mokshagna** bearing **1602-21-737-134** and **1602-21-737-152** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.



Dr. K. Rama Krishna

Asst. Professor (Sr. Scale)

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD

Dept. of IT



External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Aspect Based Sentiment Analysis** being submitted by **Gnana. Rohith Yanduru and Marati. Jashwanth Kumar** bearing **1602-21-737-138** and **1602-21-737-318** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Dr. Tilottama Goswami
Professor
Internal Guide

Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

Vasavi College of Engineering (Autonomous)

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Department of Information Technology



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Improving DDoS Detection and Mitigation in SDN Using Machine Learning** being submitted by **G. Vimalesh Guptha and K. Gourishankar** bearing **1602-21-737-186** and **1602-21-737-316** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.


Dr. S.K. Chaya Devi
Associate Professor
Internal Guide



Dr. K. Ram Mohan Rao
Professor & HOD, IT
External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Communication systems for the Deaf and Mute** being submitted by **S. Bharath Readdy** and **S. Saipraneetha** bearing **1602-21-737-144** and **1602-21-737-170** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Prasanna

Ms. DRL Prasanna

Assistant Professor

Internal Guide

K. Ram Mohan Rao

Dr. K. Ram Mohan Rao

Professor & HOD, IT

P. Ram Mohan Rao
External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Pneumonia Detection Using Explainable AI** being submitted by **V. Gopi** and **K Shashank Goud** bearing **1602-21-737-139** and **1602-21-737-174** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

Dr. S. Sree Lakshmi
Assistant Professor
Internal Guide

Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

Vasavi College of Engineering (Autonomous)

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **AI Based Student Attention Inference Using Deep Neural Networks and IOT** being submitted by **V. DHEERAJ KUMAR** and **D. HARI PRASAD** bearing **1602-21-737-135** and **1602-21-737-140** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of Bonafide work carried out by them under my guidance.

Dr. S. Aruna

Associate Professor

Internal Guide

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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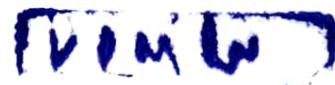


BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Detecting Fake Products:Identification&Prevention** being submitted by **M.Srujan** and **Y.Vishnu Vardhan Rao** bearing **1602-21-737-181** and **1602-21-737-188** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.

Dr. S.K.Prashanth
Associate Professor
Internal Guide


External Examiner



Dr. K. Ram Mohan Rao
Professor & HOD, IT

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Spam Comment Detection Using Ensemble Learning** being submitted by **Ch. Harika** and **S. Neha** bearing **1602-21-737-141** and **1602-21-737-157** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bona fide work carried out by them under my guidance.


Mr. K. Srinivasa Chakravarthy
Assistant Professor

Internal Guide


Dr. K. RamMohan Rao
Professor & HOD, IT


External Examiner

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Multiclass Classification and Severity Prediction of Rice Leaf Diseases Using Fuzzy Logic and Neural Networks** being submitted by **A. Aditya Vardhan Reddy** and **M. Sanath** bearing **1602-21-737-131** and **1602-21-737-171** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Information Technology is a record of bonafide work carried out by them under my guidance.

B. Leelavathy
Assistant Professor
Internal Guide

Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner