

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 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


External
Examiner


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

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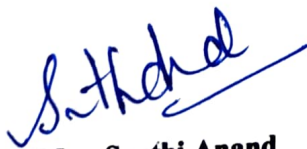
Hyderabad-500 031

Department of Information Technology



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.



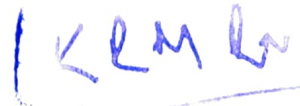
Mrs. Sruthi Anand

Assistant Professor

Internal Guide



External Examiner



Dr. K. Ram Mohan Rao

Professor & HOD, IT

Vasavi College of Engineering (Autonomous)

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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.

C. Sireesha

C.Sireesha

Assistant Professor

Internal Guide

M. K. M. Rao
External Examiner

K. R. M. Rao

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
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 **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 Chaotic 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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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 bonafide work carried out by them under my guidance.


Dr. B. Kezia Rani
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 **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.

Ms. Haseeba Yaseen

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 **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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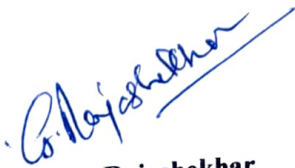
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Department of Information Technology

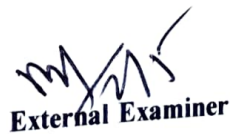



BONAFIDE CERTIFICATE

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 bonafide 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

External Examiner

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

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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. Sathya 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

Dr.K.RamMohanRao

[Signature]
External Examiner

Dr.K.RamMohanRao
Professor & HOD, IT

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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. T. 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

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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

Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

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.RamMohan 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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BONAFIDE CERTIFICATE

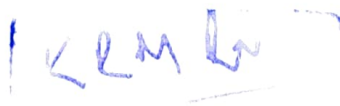
This is to certify that the project entitled **Secure Medical Record Access Control using Blockchain and Interplanetary File System** being submitted by **Pattem Abhiram** and **Eraram Akash** bearing **1602-21-737-003** and **1602-21-737-004** in partial fulfilment of the requirements for the award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


G. Radha

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 **“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

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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. RamaKrishna

Assistant Professor(Sr. Scale),IT

Internal Guide

External Examiner

Dr. K. Ram Mohan Rao

Professor & HOD, IT

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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

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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

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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 bonafide work carried out by them under my guidance.

A blue ink signature of Dr. S. Aruna, consisting of a stylized 'A' and 'S'.

Dr. S. Aruna

Associate Professor

Internal Guide

A blue ink signature of the External Examiner, consisting of a stylized 'M' and 'K'.

External Examiner

A blue ink signature of Dr. K. Ram Mohan Rao, consisting of a stylized 'K' and 'R'.

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 **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.

Dr. S. K. Prashanth
Associate Professor
Internal Guide

External Examiner

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

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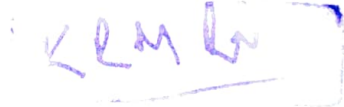


BONAFIDE CERTIFICATE

This is to certify that the project 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.


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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Hyderabad-500 031

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

25/5/20

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

Dr. K. Ram Mohan Rao

Professor & HOD, IT

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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.

Diya L

Ms. L. Diya
Assistant Professor
Internal Guide

Madala Teja
15/12/25

External Examiner

KRM Rao

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 **Personality Assessment: Virtual HR Assistant An AI driven approach to assess candidate Traits, make data driven decisions** being submitted by **Bommana 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.

Mrs.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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BONAFIDE CERTIFICATE

This is to certify that the project entitled **WebGuardAI** being submitted by **Atul** and **VB Srikar** 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

Vasavi College of Engineering (Autonomous)

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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

KRM Rao

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

M/3/12

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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

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 **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


External Examiner


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

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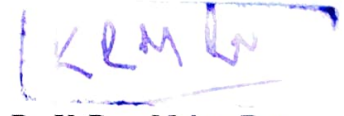
BONAFIDE CERTIFICATE

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


21/5/25
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 **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

External Examiner

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

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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 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 Signature

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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

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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 **Sreshta 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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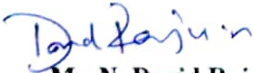
Hyderabad-500 031

Department of Information Technology



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

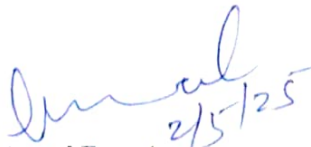
Assistant Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT


2/5/25

External Examiner

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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

[Signature]
3/5/25
External Examiner

[Signature]

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

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Department of Information Technology




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 bonafide 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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Department of Information Technology



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

2/5/25

External Examiner

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Department of Information Technology



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.

Mr. K. Srinivasa Chakravarthy

Assistant Professor

Internal Guide

K. Ram Mohan Rao

Professor & HOD IT

13/5/25
External Examiner

Vasavi College of Engineering (Autonomous)

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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

Vasavi College of Engineering (Autonomous)

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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

Vasavi College of Engineering (Autonomous)

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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.

A handwritten signature in blue ink, appearing to read "Dr. Rama Krishna".

Dr. Rama Krishna
Assistant 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".

External Examiner

Vasavi College of Engineering (Autonomous)

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(Affiliated to Osmania University)

Hyderabad-500 031

Department of Information Technology



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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Hyderabad-500 031

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.

[Signature]
Dr.T.Anjani Devi
Assistant Professor
Internal Guide

[Signature]
External Examiner

[Signature]
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 **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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Hyderabad-500 031

Department of Information Technology



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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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.

Mrs. Sruthi Anand
Assistant Professor
Internal Guide

External Examiner

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.

Mohd Ghazwan Ahmed Khan
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 **Despeckling of SAR images Using CNN** being submitted by **P.Sai** and **S.Abhinandhan** 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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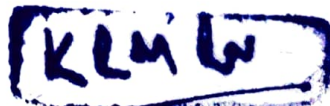
BONAFIDE CERTIFICATE

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

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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

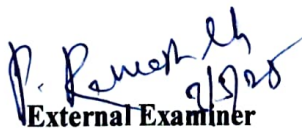
Assistant Professor

Internal Guide



Dr. K. Ram Mohan Rao

Professor & HOD, IT



External Examiner

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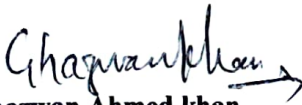
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BONAFIDE CERTIFICATE

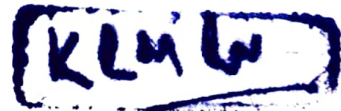
This is to certify that the project entitled **Smart Traffic Management System Using Anamoly Detection And Load Balancing** being submitted by **A. Mahesh** and **R. Mamatha** bearing **1602-21-737-317** and **1602-21-737-320** in partial fulfilment of the requirements for the award of the degree of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



Mohd Ghazwan Ahmed Khan

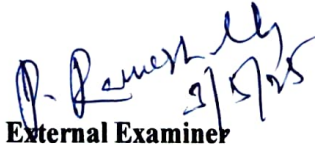
Associate Professor

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 **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 bonafide work carried out by them under my guidance.

Mrs.Sruthi Anand

Assistant Professor

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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

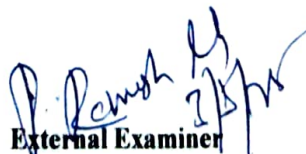
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Dr. K. Ram Mohan Rao

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External Examiner

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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

Assistant Professor

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Dr. K. Ram Moha Rao

Professor & HOD, IT

External Examiner

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BONAFIDE CERTIFICATE

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

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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

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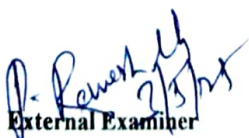
BONAFIDE CERTIFICATE

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 YASHEN

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 **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

KLMW

Dr. K. Ram Mohan Rao
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P. Ramashankar
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 bonafide work carried out by them under my guidance.


Dr. Thottama 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 **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

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Dr. K. Ram Mohan Rao

Professor & HOD, IT

External Examiner

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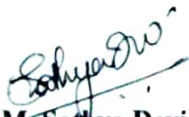
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Department of Information Technology



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. 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 **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.

Dr. S. Sreelakshmi
Assistant Professor
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Dr. K. Ram Mohan Rao
Professor & HOD, IT

External Examiner

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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.

Divya.L
Ms. Lingineni Divya
Assistant Professor
Internal Guide

KLMW

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

P. Ramen
External Examiner

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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.


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 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


External Examiner


Dr. K. Ram Mohan Rao

Professor & HOD, IT

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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

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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

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Dr. K. Ram Mohan Rao

Professor & HOD, IT

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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

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BONAFIDE CERTIFICATE

This is to certify that the project entitled **Parkinson's Disease Detection Using Ensemble Learning** being submitted by **U. Niranjana** and **P. Pavan Kumar** bearing hall ticket number, **1602-21-737-158** and **1602-21-737-159** 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. C. Sireesha

Assistant Professor

Internal Guide

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Professor & HOD, IT

External Examiner

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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

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Dr. K. Ram Mohan Rao

Professor & HOD, IT

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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
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Dr. K. Ram Mohan Rao
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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.

Ms. DRL Prasanna
Assistant Professor
Internal Guide

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

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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
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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
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External Examiner

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

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500 031

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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 bonafide 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