

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**HUMAN BODY AND CLOTH SEGMENTATION**” being submitted by CHINTABOINA MALLIKARJUN and MUDAVATH REVANTH, bearing the roll numbers, 1602-20-733-016 and 1602-20-733-036, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of Bonafede work carried out by them under my guidance.

N Hegde 26/11/24
Dr. Nagaratna P. Hegde,
Professor,
Internal Guide

T. Adilakshmi
Dr. T. Adilakshmi,
Professor & HoD,
Dept. of CSE


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Speech Based Gender and Emotion Recognition** being submitted by **A.Namratha,A.Sreya** bearing **1602-20-733-023,1602-20-733-047** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in **Computer Science & Engineering** is a record of bonafide work carried out by him/her under my guidance.


T.Janaja,
Assistant Professor
Internal Guide



Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

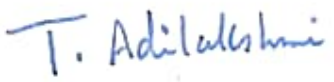
Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**GREEN HARBOUR**” being submitted by **K.PAVAN KALYAN & B.PALLAVI** bearing **1602-20-733-026 & 1602-20-733-025**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


DR.D. Baswaraj,
Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HOD
Dept. of CSE

Vasavi College of Engineering (Autonomous)

ACCREDITED BY NAAC WITH 'A++' GRADE

(Affiliated to Osmania University)

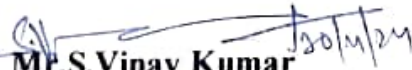
Hyderabad-500 031

Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Efficient algorithm for workflow scheduling in cloud computing environment**” is being submitted by **YERPULA HARICHARAN, YERRAJAMAN PRADEEP KUMAR** bearing hall ticket number **1602-20-733-010, 1602-20-733-028**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him under my guidance.


M.P.S. Vinay Kumar
Assistant Professor,
Internal Guide



Dr. T. Adi Lakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **INSTANT NEWS SUMMARIZATION USING NLP** being submitted by **NAGASAI VUPPALA, RAMTEJA MANCHALA** bearing roll **1602-20-733-022, 1602-20-733-035** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



Dr. R.SATEESH KUMAR,

Assistant Professor,

Dept. of CSE

Internal Guide



Dr. T. Adilakshmi,

Professor & HEAD,

Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad- 500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Detection of Stuttering Behavior using Machine Learning Algorithms**” being submitted by **G. Krishna Sameer and K. Ajay Reddy**, bearing 1602-20-733-013, 1602-20-733-002, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. K. Srinivas,
Associate Professor
Internal Guide.

Dr. T. Adilakshmi,
Professor & HOD
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)


Hyderabad-500 031


Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**REVOLUTIONIZING HEALTHCARE**” being submitted by **CH ANJANA SUJAN KUMAR & K VAMSHI KRISHNA** bearing **1602-20-733-003 & 1602-20-733-054**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Ms. T. Jalaja,
Assistant professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**FRAUD INSTAGRAM PROFILE IDENTIFICATION USING MACHINE LEARNING**” being submitted by **V. MAYUKHA, CH. VENNELA PREETHI**, bearing **1602-20-733-017, 1602-20-733-058**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

P. Ashwini,
Assistant Professor,
Internal Guide.

Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**INVESTMENT RECOMMENDATION SYSTEM**” being submitted by G.SHIRISHA and P.SHISHIRA, bearing 1602-20-733-043 and 1602-20-733-044, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

B.P. Peddi Reddy
Dr. Bhargavi Peddi Reddy,
Associate Professor,
Internal Guide


T. Adilakshmi
Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Hardware Trojan Detection Using Machine Learning**" being submitted by **P. Gnani, B. Lahari** bearing **1602- 20-733-009,1602-20-733-014**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


T. Jalaja
Assistant Professor
Internal Guide

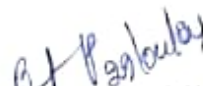

Dr. T. Adilakshmi
Professor & HEAD
Dept. of CSE


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Health Insurance Claim Fraud Detection using Artificial Neural Networks**" being submitted by **B. Srisatya Kapardi and P.V. Rohith Kumar Reddy**, bearing **1602-20-733-049 and 1602-20-733-057**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Dr. Bhargavi Peddi Reddy
Associate Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)


Hyderabad 500031


Department of COMPUTER SCIENCE AND ENGINEERING



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Lesion Detect Liver tumor detection**” being submitted by **K.Santhoshi** and **V.Eswar Kumar** bearing hall ticket numbers 1602-20-733-041, 1602-20-733-008 in partial fulfilment of the requirements for the partial completion of MAJOR PROJECT of Bachelor of Engineering in Computer Science And Technology is a record of bonafide work carried out by them under guidance.


Ms. S.Komal Kaur,
Assistant Professor,
Internal Guide.


Dr. T .Adilakshmi,
Professor&HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **CROP RECOMMENDATION AND PRICE ESTIMATION SYSTEM** being submitted by **KONDURU SAIKAMAL** bearing **1602-20-733-040**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

T. Adilakshmi
26/4/24

Dr. T. Adilakshmi,
Professor & HOD
Dept. of CSE
Internal Guide

T. Adilakshmi
26/4/24

Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**The Impact of Visual Trust Signals on E-commerce Platforms: A User-Centered Investigation and Implementation**” being submitted by **Hima Satwika Katragadda & Sriram K.S.P**, bearing **1602-20-733-011 & 1602-20-733-051**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.

T. Adilakshmi
Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE
Internal Guide

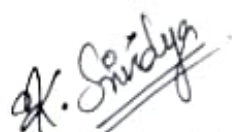
T. Adilakshmi
Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering

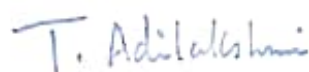


BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Machine Learning models for forecasting Prepayment Risks in Mortgage Backed Securities**" being submitted by **P. Avinash and K. Rahul**, bearing **1602-20-733-005 and 1602-20-733-033**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



Ms. K. Srividya
Assistant Professor,
Internal Guide




Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering(Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering

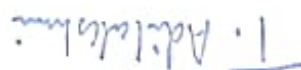


BONAFIDE CERTIFICATE

This is to certify that the project entitled “**PHISHING WEBSITE DETECTION USING DEEP LEARNING TECHNIQUES**” being submitted by P. Sumanth, Thapan Datta, bearing 1602-20-733-052, 1602-20-733-053, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



Dr.T. Priyanka,
Assistant Professor,
Internal Guide



Dr.T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**LOCATION-AWARE EXTRACTIVE TEXT SUMMARIZATION USING AI TECHNIQUES**" being submitted by **K ABHINAY & D JESSE MELWYN** bearing **1602-20-733-001 & 1602-20-733-012**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Komal Kaur', is written over the printed name.

Ms. S. Komal Kaur,
Assistant professor,
Internal Guide

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is written over the printed name.

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Unsupervised Video Summarization via Deep Reinforcement Learning**” being submitted by **Sk. Afreen and V. Sneha Latha**, bearing **160220-733-042 and 1602-20-733-046** , in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



Mr. Narsaiah Putta,
Assistant Professor,
Internal Guide



Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**FACIAL EMOTION BASED MUSIC RECOMMENDATION SYSTEM**" being submitted by **RAMINENI NAGAJASWANTH** and **DAMMALAPTI PRANAV**, bearing hall ticket numbers **1602-20-733-021** and **1602-20-733-031**, in partial fulfilment of the requirements for the award of the degree of **BACHELOR OF ENGINEERING IN COMPUTER SCIENCE & ENGINEERING** is a record of bonafide work carried out by them under my guidance.



P.Ashwini,
Assistant Professor,
Internal guide



Dr.T.Adilakshmi,
Professor &HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**AI BASED BONE CANCER DETECTION USING IMAGE PROCESSING AND CNN**” being submitted by **G VARUNTEJA REDDY, VISHWAJA BAKKI** bearing hallticket numbers **1602-20-733-056 & 1602-20-733-060** in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



Ms. K. Srividya,
Assistant Professor,
Internal Guide




Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "INTEGRATED CLIMATE CHANGE IMPACT ANALYSIS SYSTEM" being submitted by S Padma Priya & P Sivapriya bearing 1602-20-733-024 & 1602-20-733-048, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Mrs. T. Jalaja,
Assistant professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Flood Prediction and Flood Extent Mapping Using Neural Networks**” being submitted by **G. Pragathi and K. Ruchitha Rani** bearing **1602-20-733-030 and 1602-20-733-037**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



Dr. Ch. Krishna Keerthi
Associate Professor,
Internal Guide



Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**BITCOIN VALUE PREDICTION USING UNIVARIATE AND MULTIVARIATE**" being submitted by **V.PAVAN KUMAR & A.SAI SATHWIK** bearing **1602-20-733-027 & 1602-20-733-039**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

DR.R.Santosh Kumar,

Associate Professor,

Internal Guide

Dr.T.Adilakshmi,

Professor &HOD

Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“TERM DEPOSIT SUBSCRIPTION USING ENSEMBLE METHODS”** being submitted by **D. Siddartha and Ch. Vineeth**, bearing **1602-20-733-045, 1602-20-733-059**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. E. Shailaja,
Associate Professor
Internal Guide.

Dr. T. Adilakshmi,
Professor & HOD
Dept. of CSE.

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**AUTOMATED TURN INDICATION SYSTEM**” being submitted by **MOHAMMED YAQOOB ALI** and **ZIA MAHMOOD HUSSAIN**, bearing **1602-20-733-019** and **1602-20-733-062**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Ms. Tumma Susmitha,
Assistant Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **DIGITIZING HANDWRITTEN CHARACTERS FROM IMAGE** being submitted by **SAHIL ABDULLAH MALLA** and **MOHAMMED ZAID AHMED**, bearing **1602-20-733-038** and **1602-20-733-304** respectively, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Dr. Parsi Kalpana ,
Associate Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Optimizing Heart Disease Prediction Through Advanced Feature Engineering in ML Models**” is Being submitted by **Gittagoni Praveen Kumar, Kottidi Rajavardhan** bearing hall ticket number **1602-20-733-032, 1602-20- 733-034**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him under my guidance.


Narsaiah Putta,

Assistant Professor,

Internal Guide


Dr. T. Adilakshmi,

Professor & HOD,

Dept. of CSE

Vasavi College of Engineering (Autonomous)

ACCREDITED BY NAAC WITH 'A++' GRADE

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “SIGN LANGUAGE TO TEXT AND SPEECH” is being submitted by **Kedala Charan, Bashaveni Nikhil** bearing hall ticket number **1602-20-733-302, 1602-20-733-303**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Dr. R. Sateesh Kumar

Assistant Professor,

Internal Guide


Dr. T. Adilakshmi,

Professor & HOD,

Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)


Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“IDENTIFYING CANCER IN HUMAN BLOOD SAMPLES VIA MICROSCOPIC IMAGE EXAMINATION”** being submitted by GUNREDDY BAVITH REDDY and GUGULOTHU RAJKUMAR, bearing the roll numbers, 1602-20-733-006 and 1602-20-733-306, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of Bonafede work carried out by them under my guidance.


Dr. Nagaratna P. Hegde,

Professor,

Internal Guide



Dr. T. Adilakshmi,

Professor & HEAD,

Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Cyclone Intensity Prediction using Deep Learning Model with Insat-3D IR Imagery**” being submitted by **Myada Tejashwini, Tanguturi Kranthi**, bearing hall ticket numbers **1602-20-733-305, 1602-20-733-301**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.

V. Sireesha
27/4/24

Dr. V. Sireesha,
Associate Professor,
Internal Guide

T. Adilakshmi

Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

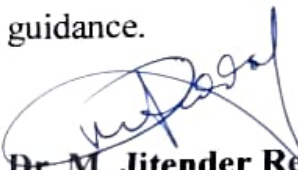
Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“Document Assistant Using AI”** being submitted by **G.Param Jyothi and Dubba Sruthi**, bearing **1602-20-733-126 and 1602-20-733-050**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by my guidance.


Dr. M. Jitender Reddy,

Assistant Professor,

Internal Guide


Dr. T. Adilakshmi,

Professor & HoD

Dept.of CSE

Vasavi College of Engineering (Autonomous)

ACCREDITED BY NAAC WITH 'A++' GRADE

(Affiliated to Osmania University)


Hyderabad-500 031


Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**HEART DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS**” is being submitted by **MALOTH MUKESH, AMAND VIVEK** bearing hall ticket number **1602-20-733-020, 1602-20-733-061**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.


Mr.S.Vinay Kumar
Assistant Professor,
Internal Guide


Dr. T. Adi Lakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Secure Communication using Adversarial Neural Cryptography**” being submitted by **T. Meghana and D. Pragathi**, bearing **1602-20-733-018 and 1602-20-733-029** , in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

R. Sudha

Ms. R. Sudha
Associate Professor,
Internal Guide

T. Adilakshmi


Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“FAKE NEWS DETECTION”** being submitted by **SUDINI ANSHU** and **VARSHA BUKKE**, bearing the roll numbers, 1602-20-733-004 and 1602-20-733-055, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of Bonafide work carried out by them under my guidance.


Dr. D. BASWARAJ,
Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

**Vasavi College of Engineering (Autonomous) Ibrahimbagh,
Hyderabad-31**

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Image Captioning Using Deep Learning**" being submitted by **Abhijith Koppula and Nimma Yagnan**, bearing **1602-20-733-064 and 1602-20-733-121**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her guidance.

V. Sireesha
27/11/24
Dr. V.Sireesha
Associate Professor,
Internal Guide,

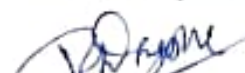
T. Adilakshmi
Dr.T.Adilakshmi,
Professor & Hod,
Dept. of CSE,


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is certify that the project entitled "**MULTI LEVEL SECURITY AUTHENTICATION SYSTEM**" is being submitted by **K. ABHINAYA** bearing roll no **1602-20-733-307**, and **M. ANUSHA** bearing roll no **1602-20-733- 309**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science and Engineering is a record of bonifide work carried out by her under my guidance.


Dr. D. Baswaraj,
Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HOD,
Dept of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **HYBRID ALGORITHM FOR TASK SCHEDULING IN CLOUD ENVIRONMENT** being submitted by **Syed Maaz Manzoor, Shaik Farhad Ashraf**, bearing **1602-20-733-112, 1602-20-733-107**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Mr. S. Vinay Kumar,

Assistant Professor,

Internal Guide



Dr. T. Adilakshmi,

Professor & HEAD,

Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“GAN based approach for Intrusion Detection System”** being submitted by **T. Sai Preethi and S.Santhoshi**, bearing **1602-20-733-099 and 1602-20-733-103**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her guidance.


Dr. M. Jitender Reddy,

Assistant Professor,

Internal Guide


Dr. T. Adilakshmi,

Professor & HOD,

Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“Smart bug triaging”** being submitted by **Charan, Roshan** bearing 1602-20-733-077, 1602-20-733-094 respectively, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

T. Adilakshmi

**Dr. T. Adilakshmi,
Professor & HOD, CSE
Internal Guide**

T. Adilakshmi

**Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE**

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**AI-Enhanced Project Management System**" being submitted by **Revanth, Rohith** bearing 1602-20- 733-091, 1602-20-733-093 respectively, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M.Sunitha Reddy,
Assistant Professor, CSE
Internal Guide

Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**FALL DETECTION USING DEEP LEARNING**" being submitted by **T.SAI TEJA & A.Vamshi** bearing **1602-20-733-100 & 1602-20-733-117** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


DR. R. SATEESH KUMAR,

Associate Professor,

Internal Guide



Dr. T. Adilakshmi,

Professor & HEAD,

Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)


Hyderabad 0031


**Department of COMPUTER SCIENCE AND
ENGINEERING**



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Multiple respiratory diseases recognition through respiratory sounds using deep neural networks**" being submitted by **K.Arun Kumar** and **B.Karthik** bearing hall ticket numbers 1602-20-733-071, 1602-20-733-081 in partial fulfilment of the requirements for the partial completion of MAJOR PROJECT of Bachelor of Engineering in Computer Science And Technology is a record of bonafide work carried out by them under guidance.


Ms.S.Komal Kaur,
Assistant Professor,
Internal Guide.


Dr.T.Adilakshmi,
Professor&HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

ACCREDITED BY NAAC WITH 'A++' GRADE

(Affiliated to Osmania University)

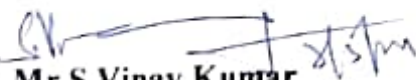
Hyderabad-500 031


Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**WORKFLOW SCHEDULING USING NEURAL NETWORKS AND REINFORCEMENT LEARNING**" is being submitted by **V. AKSHITHA, K. ALEKHYA** bearing hall ticket number **1602-20-733-069, 1602-20-733-070**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.


Mr.S.Vinay Kumar
Assistant Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous) Ibrahimbagh, Hyderabad-31

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "Deep Fake Detection Using Inception Resnet V2" being submitted by **S. Jasvinder Singh and V. Kishore Kumar**, bearing **1602-20-733-104 and 1602-20-733-083**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them.

P. Ashwini

Assistant Professor,

Internal Guide,

T. Adilakshmi

Dr. T. Adilakshmi,

Professor & HOD,

Dept. of CSE,

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“Pollutant Concentration Forecasting”** being submitted by **P Sahaja Reddy, O Chandrashekar** bearing **1602-20-733-087, 1602-20-733-076** respectively, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.

T. Adilakshmi
21/1/24
Dr. T. Adilakshmi,
Professor & HOD, CSE
Internal Guide

T. Adilakshmi
21/1/24
Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University) Hyderabad-
500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Classification of Electromyographic Hand Gesture Signals**” being submitted by **Abhigna Reddy** and **Asmith Reddy**, bearing 1602-20-733-063, 1602-20-733-075, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. P. Kalpana,
Associate Professor
Internal Guide.

Dr. T. Adilakshmi,
Professor & HOD
Dept. of CSE.

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "Pneumonia Detection from Chest X-Rays Using CNN and GAN" being submitted by P Nikhitha and S Siri Reddy, bearing 1602-20-733-086 and 1602-20-733-108, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her guidance.

Dr. Ch Krishna Keerthi

Associate Professor,

Internal Guide.

Dr.T.Adilakshmi,

Professor&Hod,

Dept. of CSE,

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Automatic Component Prediction for Issue Reports**" being submitted by **P. Bindu Sriya and Hrishitha Rayapati**, bearing **1602-20-733-073 and 1602-20-733-080**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her guidance.


Dr. Bhargavi Peddi Reddy,

Associate Professor,

Internal Guide



Dr. T. Adilakshmi,

Professor & HOD,

Dept. of CSE.

Vasavi College Of Engineering(Autonomous)

(Affiliated to Osmania University) Ibrahimbagh

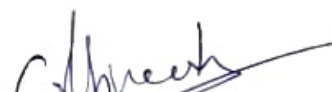
Hyderabad-500031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Hierarchical meta-learning for cold-start recommendation in flash sale e-commerce**" being submitted by **A.Sai Chandana, A.Sreeja, K.Meghana**, bearing hall ticket numbers **1602-20-733-098,1602-20-733-110** and **1602-20-733-312**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


C.Gireesh

M.Tech,Assistant Professor

Dept. of CSE



Dr.T Adhilakshmi

M.Tech,Ph.D,

HOD CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“LIVER CANCER DETECTION”** is being submitted by **M. SOUMITHA, K. SHIVAMANI** bearing hall ticket numbers **1602-20-733-109, 1602-20-733-308** respectively in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.

S. Komal Kour,
Assistant Professor,
Internal Guide

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College Of Engineering(Autonomous)

(Affiliated to Osmania University)

Hyderabad-500031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled "**Deep Reinforcement Learning for Uplink Orthogonal Frequency Division Multiple Random Access Optimization in IEEE 802.11ax Networks**" being submitted by **S. ROHITH REDDY** and **A.VIJAY KUMAR**, bearing hall ticket numbers **1602-20-733-092** and **1602-20-733-311**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. T. NISHITHA,
M. Tech, Assistant Professor
Internal Guide

Dr. T. ADILAKSHMI,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Employee Attrition Prediction**” being submitted by **M. Akshitha, B. Blessy**, bearing **1602-20-733-068, 160220-733-074** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.

Dr K Srinivas,
Assistant Professor,
Internal Guide

Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Predicting and Addressing Mental States in Real-Time using Wearable Vital data**” being submitted by **Shreesh, Tarun** bearing 1602-20-733-079, 1602-20-733-113 respectively, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

NP Hegde
Dr. Nagaratna P. Hegde,
Professor , Dept. of CSE
Internal Guide

T. Adilakshmi
Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD-31



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that the project titled “**Improving the Performance of WLANS using Contention Window Optimization**” submitted by, **S. Sai Ajeeth and M.Vineetha**, bearing hall ticket numbers **1602-20-733-097 and 1602-20-733-118** respectively, in partial fulfilment of the requirement for the award of the degree of **Bachelor of Engineering in Computer Science and Engineering** is a record of bonafide work carried out by them under our guidance.



Ms. T. Nishitha,
Assistant Professor,
Internal Guide.



Dr. Thondepu Adilakshmi,
Professor,
Head of Dept.

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD-31**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that the project titled “**Smart Contract Vulnerability Detection Mechanism Using MPGNN and Expert Rules**” submitted by,
E. V. Karthikeya Sri Raghavendra and Chavali Sri Krishna Priya, bearing hall ticket numbers **1602-20-733-082 and 1602-20-733-111** respectively, in partial fulfilment of the requirement for the award of the degree of **Bachelor of Engineering in Computer Science and Engineering** is a record of bonafide work carried out by them under our guidance.

R.S. Kumar

Dr. Ravva Santosh Kumar,
Associate Professor,
Internal Guide.

T. Adilakshmi

Dr. Thondepu Adilakshmi,
Professor,
Head of Dept.

**VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
IBRAHIMBAGH, HYDERABAD-31**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that the project titled “Text File Carving Using N-gram Model” submitted by,

Mohammed Ahsan Uddin and Koti Raghunath, bearing hall ticket numbers **1602-20-733-085 and 1602-20-733-089** respectively, in partial fulfilment of the requirement for the award of the degree of **Bachelor of Engineering in Computer Science and Engineering** is a record of bonafide work carried out by them under our guidance.

Dr. K. Srinivas,
Associate Professor,
Internal Guide.

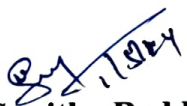
Dr. Thondepu Adilakshmi,
Professor,
Head of Dept.


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Kernelized Recommendation System**” being submitted by **V.Abhinav Reddy, J. Akhil Reddy**, bearing roll no’s 1602-20-733-065, 1602- 20-733-125, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Dr. M. Sunitha Reddy,
Assistant Professor
Internal Guide


Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)


Hyderabad-500 031


Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**ROAD FAILURE DETECTION SYSTEM**” being submitted by **P. Ram Pratheek & N. Tarun Kumar** bearing hall ticket number **1602-20-733-090, 1602-20- 733-114** respectively, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Dr. M. Sunitha Reddy,
Assistant Professor, CSE
Internal Guide


Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous) Ibrahimbagh, Hyderabad-31

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Advanced lane detection technique for structural highway based on computer vision algorithm**” being submitted by **Jallapalli Pranav and Somu Maheshwar Reddy**, bearing **1602-20-733-088 and 1602-20-733-084**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them.

NP Hegde 26/4/24

Dr. Nagaratna P. Hegde

Professor,

Internal Guide,

T. Adilakshmi

Dr. T. Adilakshmi,

Professor & HOD,

Dept. of CSE,

Vasavi College of Engineering (Autonomous)

Ibrahimbagh,Hyderabad-31

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Black And White Image/Video Colorization**” being submitted by **Perka Uday Kiran and Kallemollu Upendra**, bearing **1602-20-733-115 and 1602-20-733-116**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering, is a record of bonafide work carried out by him/her guidance.

Dr. Bhargavi Peddi Reddy,

Associate Professor,

Internal Guide.

Dr. T. Adilakshmi,

Professor & HOD,

Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)


Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**ABNORAML TRAFFIC DETECTION USING SEMI-SUPERVISED DEEP REINFORCEMENT LEARNING**” being submitted by **EDUKULLA CHITHRA BHANU GUPTHA**, bearing hall ticket number, **1602-20-733-078**, AND **SHAIK ABDUL RAHMAN NAWAZ**, bearing hall ticket number **1602-20-733-106** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



M. Jithender Reddy,
Assistant Professor,
Internal Guide



Dr. T. Adilakshmi,
Professor & HoD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**FARMER’S ASSISTANCE USING MACHINE LEARNING**” being submitted by **K. SAI VENKAT, U. SATISH CHANDRA**, bearing **1602-20-733-101, 1602-20-733-105** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.



Dr. T. Priyanka,
Assistant Professor,
Internal Guide




Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE


Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**An Intelligent Multicast Routing using Deep Reinforcement Learning**” being submitted by **K. Warrun and K. Yaswanth Ranga**, bearing **1602-20-733-120, 1602-20-733-122**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.


Krishna Keerthi.CH,
Associate Professor,
Internal Guide


Dr. T. Adilakshmi,
Professor & Head
Dept. of CSE

Vasavi College of Engineering (Autonomous)
(Affiliated to Osmania University)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**CLASSIFICATION OF PARKINSON’S DISEASE USING GENETIC ALGORITHM**” being submitted by **KALIGOTA SHIREESHA, DEVIREDDY RUKVITH REDDY**, bearing roll numbers **1602-20-733-310, 1602-20-733-095** in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.

V. Sireesha
28/4/24
Dr. V.SIREESHA,
Associate Professor
Internal Guide

T. Adilakshmi
Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE

Vasavi College of Engineering (Autonomous) Ibrahimbagh, Hyderabad

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Cyber Bullying Detection**” being submitted by, **S Sahith , A Yeshwanth Reddy and N Vivek** bearing hallticket numbers **1602-20-733-096 and 1602-20-733-102 and 1602-20-733-119** in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her guidance.

Dr. D Baswaraj

Assistant Professor,

Internal Guide,

Dr.T.Adilakshmi,

Professor & Hod,

Dept.of CSE,

Vasavi College of Engineering (Autonomous)

Ibrahimbagh, Hyderabad-31

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **"HEART DISEASE PREDICTION USING MACHINE LEARNING"** being submitted by **N. Abhiram Sai, M. Ashish Reddy and Vansh Sharma**, bearing **1602-20-733-066, 1602-20-733-072 and 1602-20-733-123**, in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her guidance.

R. Sudha
R.Sudha,

Associate Professor,

Internal Guide,

T. Adilakshmi

Dr.T.Adilakshmi,

Professor & Hod,

Dept.of CSE,

**Vasavi College of Engineering (Autonomous) (Affiliated to
Osmania University) Ibrahim Bagh, Hyderabad- 500031
Department of Computer Science & Engineering**



BONAFIDE CERTIFICATE

This is to certify that the dissertation report titled **“Programming Corner – A Real-Time Chatting & Coding Web B Application”** is the bonafide work of **Shaikh Mohammed Ihab Sajid (1602-22-742-002)** a student of Department of computer science and engineering, Vasavi College of Engineering, in the partial fulfilment of requirements for the award degree of Master Of Technology in Computer Science & Engineering, as specialized is a record of bonafide work carried out by him during academic year 2023-2024.

T. Adilakshmi 30/7/24

Signature of internal guide
DR. T. ADILAKSHMI,
Professor & Head, Dept of
C.S.E.

T. Adilakshmi 30/7/24

Signature of the H.O.D
DR. T. ADILAKSHMI,
Professor & Head,
Dept of C.S.E.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University) Hyderabad-500 031

Department of Computer Science & Engineering



CERTIFICATE

This is to certify that the project entitled “Design & Development of Image Classification Model for Emotion Detection using Convolutional Neural Network” submitted by Mohammed Irshad Ali (1602-22742-004), a student of Department of Computer Science & Engineering, Vasavi College of Engineering in partial fulfilment of the requirements for the award of the degree of Master of Technology in Computer Science & Engineering as specialization is a record of bona fide work carried out by him during academic year 2023-2024.

Dr. D. Baswaraj

Professor

Dr.T. Adilakshmi

Professor & Head

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT-Blockchain based Security Surveillance System” being submitted by BURNAPELLY ABHINAV, bearing 1602-21-733-001, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

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

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi'.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Solar Panel Monitoring System” being submitted by ABHINAV REDDY K, bearing 1602-21-733-002, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

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

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi'.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Blockchain enhanced event coordination” being submitted by UMMETALA ABHISHEK, bearing 1602-21-733-003, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Intelligent Driver Safety System with Drowsiness Detection and Speed Control” being submitted by BALAGONI ADITHYA, bearing 1602-21-733-004, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smoke Detection system” being submitted by EEGA AKSHAYA, bearing 1602-21-733-005, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IoT based Smart Water Management System” being submitted by A. ANISH, bearing 1602-21-733-006, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Shopping Cart System” being submitted by KARRE ANUDEEP, bearing 1602-21-733-007, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Car Parking System” being submitted by D ARUN TEJA, bearing 1602-21-733-008, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Shopping Cart System” being submitted by KANDAY BHARATH KUMAR, bearing 1602-21-733-009, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Fire detection system connected to rural areas” being submitted by M.Bhavana, bearing 1602-21-733-010, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IoT based Smart Water Management System” being submitted by G BHUPATHI, bearing 1602-21-733-011, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Street Light System” being submitted by CH.HARISH REDDY, bearing 1602-21-733-012, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Street Light System” being submitted by B.GAYATHRI, bearing 1602-21-733-013, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smoke Detection system” being submitted by ERLA GEETHIKA, bearing 1602-21-733-014, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT-Blockchain based Security Surveillance System” being submitted by NAGUDU HARSHA, bearing 1602-21-733-015, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Self Watering Plant” being submitted by GURAPPAGARI JAHNAVI, bearing 1602-21-733-016, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Edublock” being submitted by MYLARISHETTY JAYANTH, bearing 1602-21-733-017, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Gas Leakage Monitoring System” being submitted by GUGULOTHU KRISHNAVENI, bearing 1602-21-733-018, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Food Spoilage Detection” being submitted by MAHALAKSHMI KOTHURU, bearing 1602-21-733-019, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

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

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi'.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Fall detection and Prediction” being submitted by MOHAMMED IRFAN, bearing 1602-21-733-020, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Deepfake Video Detection” being submitted by MOHAMMED MUFEEZ UR RAHMAN, bearing 1602-21-733-021, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Fall detection and Prediction” being submitted by MOHAMMED KHALEEL UR RAHAMAN, bearing 1602-21-733-022, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “De-Voting Website” being submitted by MOHD SHAHJAHAN PASHA, bearing 1602-21-733-023, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “OriginChain: Secure, Transparent Tracing with Blockchain” being submitted by NEERUKONDA MOHIT SRINIVASA KARTHEEK, bearing 1602-21-733-024, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Crop Recommendation System using Model Based Training” being submitted by DNV SURYA PRANAV, bearing 1602-21-733-025, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

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

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi'.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart School Bus Monitoring System” being submitted by T NEHA REDDY, bearing 1602-21-733-026, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Crop Recommendation System using Model Based Training” being submitted by T.NIKHIL REDDY, bearing 1602-21-733-027, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Intelligent Driver Safety System with Drowsiness Detection and Speed Control” being submitted by KADIAM PARTHUTEZ, bearing 1602-21-733-028, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IoT based Smart Crop Monitoring System” being submitted by BHIMANA PRAHARSHITHA, bearing 1602-21-733-029, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Gas Leakage Monitoring System” being submitted by POTTA PRAMODITA, bearing 1602-21-733-030, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Edublock” being submitted by N.RADHA KRISHNA, bearing 1602-21-733-031, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Accident detection system” being submitted by KASULA RAHUL, bearing 1602-21-733-032, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Solar Panel Monitoring System” being submitted by RAKESH MADUGUNDU, bearing 1602-21-733-033, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Air Pollution Monitoring system” being submitted by KANKANALA RAMYA, bearing 1602-21-733-034, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “File Recovery from Storage Media” being submitted by P. RANESH, bearing 1602-21-733-035, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Metropolitan traffic control system using IOT techniques” being submitted by RANGA LAXMI SNEHITHA, bearing 1602-21-733-036, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Deepfake Video Detection” being submitted by N SAI KRISHNA, bearing 1602-21-733-037, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Intelligent Transportation System Integration” being submitted by G SAI NIRANJAN, bearing 1602-21-733-038, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Car Parking System” being submitted by G SAI SIDDHARTHA, bearing 1602-21-733-039, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Security for metro trains to prevent accidents” being submitted by KARNATI SAI SRIHITHA REDDY, bearing 1602-21-733-040, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Patient Health Monitoring System” being submitted by NALLAGUNTA SARAYU, bearing 1602-21-733-041, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Metropolitan traffic control system using IOT techniques” being submitted by SATHVIK REDDY BACHU, bearing 1602-21-733-042, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Intelligent Transportation System Integration” being submitted by SHAIK SAMEER ABDULLA, bearing 1602-21-733-043, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Security for metro trains to prevent accidents” being submitted by RANGA SHARAN ROHITH, bearing 1602-21-733-044, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Automatic Shed using Arduino and Rain sensor module” being submitted by SHIVATEJA JARUPLA, bearing 1602-21-733-046, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Self Watering Plant” being submitted by SHIVANI GUPTA, bearing 1602-21-733-047, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “GPS Based Toll System” being submitted by Shoaib Qayoom, bearing 1602-21-733-048, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “De-Voting Website” being submitted by KHADE SHYAM, bearing 1602-21-733-049, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Food Spoilage Detection” being submitted by SPOORTHY CHENREDDY, bearing 1602-21-733-051, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Patient Health Monitoring System” being submitted by KOLLURI SREE INDIRA SIVANI, bearing 1602-21-733-052, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “GPS Based Toll System” being submitted by Srikar, bearing 1602-21-733-053, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Alochol Detection and Engine Locking” being submitted by RAMAVATH SRINIVAS, bearing 1602-21-733-054, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Safe Greens” being submitted by PEDDAPALLY SRIVIDYA, bearing 1602-21-733-055, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “End to End Encryption for IoT Sensor Networks” being submitted by SRIYA KRITHIKA, bearing 1602-21-733-056, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart School Bus Monitoring System” being submitted by KATTA SRUTHI REDDY, bearing 1602-21-733-057, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Diabetic Retinopathy” being submitted by PAPANI SUJEETH, bearing 1602-21-733-058, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Diabetic Retinopathy” being submitted by TEJASH BABU, bearing 1602-21-733-059, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Automatic Shed using Arduino and Rain sensor module” being submitted by TRINAYA, bearing 1602-21-733-060, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Air Pollution Monitoring system” being submitted by GANNU VAISHNAVI, bearing 1602-21-733-061, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Safe Greens” being submitted by SHANIGARAPU VAISHNAVI, bearing 1602-21-733-062, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “OriginChain: Secure, Transparent Tracing with Blockchain” being submitted by BATTAMSETTY VENKATA SAI MANVITH, bearing 1602-21-733-063, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Accident detection system” being submitted by VISHAL REDDY KOLIPAKA, bearing 1602-21-733-064, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Leaf disease detection and identification” being submitted by GUNDA VENKATA SAHIT, bearing 1602-21-733-065, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Blockchain enhanced event coordination” being submitted by WASIM HASAN, bearing 1602-21-733-066, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Leaf disease detection and identification” being submitted by LODE YASWANTH GOUD, bearing 1602-21-733-067, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

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

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi'.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “End to End Encryption for IoT Sensor Networks” being submitted by M.SRI DIVYA, bearing 1602-21-733-135, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Aqua Sense” being submitted by PERLA ARCHITA KOMAL, bearing 1602-21-733-136, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Blind Stick” being submitted by SUGURU MOHAN KUMAR, bearing 1602-21-733-301, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Alochol Detection and Engine Locking” being submitted by UPPARI MAHESH, bearing 1602-21-733-302, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Blind Stick” being submitted by DUDELLEI VASAVI, bearing 1602-21-733-303, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “File Recovery from Storage Media” being submitted by SAINI VENKATESH, bearing 1602-21-733-304, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Aqua Sense” being submitted by BAISA SRILEKHA, bearing 1602-21-733-305, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IoT based Smart Crop Monitoring System” being submitted by GODHA SAI SRISHMA, bearing 1602-21-733-306, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

A handwritten signature in blue ink, appearing to read 'S. Vinay Kumar', is positioned above the printed name.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in blue ink, appearing to read 'T. Adilakshmi', is positioned above the printed name.

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Fire detection system connected to rural areas” being submitted by P SRAVANI, bearing 1602-21-733-307, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**S. Vinay Kumar,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T.Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Irrigation System” being submitted by T.ABHIGNA, bearing 1602-21-733-068, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Decentralized voting application” being submitted by M. AKASH REDDY, bearing 1602-21-733-069, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Health Monitoring System” being submitted by R.AKSHARA, bearing 1602-21-733-070, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Decoding a JPEG Image using python” being submitted by ANISH, bearing 1602-21-733-071, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Farm Management Software Application” being submitted by E.CHARANI, bearing 1602-21-733-072, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT Patient Health Monitoring System” being submitted by P.DEEKSHITHA, bearing 1602-21-733-073, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Faulty Street Light Detector” being submitted by R.V DEEVAN KUMAR, bearing 1602-21-733-074, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Building a mail box sensor solution using Rasberrt pi and a wireless sensor” being submitted by S DINESH REDDY, bearing 1602-21-733-075, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Pillbox” being submitted by M.DIVYA, bearing 1602-21-733-076, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IoT based crop recommendation system using environmental parameters” being submitted by HARSHAVARDHAN, bearing 1602-21-733-077, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Dynamic accident detection and reporting system” being submitted by M.HARSHITH, bearing 1602-21-733-078, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Faulty Street Light Detector” being submitted by E.JASHWANTH KUMAR, bearing 1602-21-733-079, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Irrigation System” being submitted by Y.JYOTHSNA PRIYA, bearing 1602-21-733-080, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Decentralized voting application” being submitted by S.KEERTHINANDAN REDDY, bearing 1602-21-733-081, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Dynamic accident detection and reproting system” being submitted by J.KOUSHIK, bearing 1602-21-733-082, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Car pooling” being submitted by K K HARJEETH, bearing 1602-21-733-083, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Automated Street Lighting” being submitted by H.LASYA, bearing 1602-21-733-084, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “pharmaceutical products supply chain management” being submitted by MALIK MUID UL MAMOON, bearing 1602-21-733-086, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Ayurvedic Medicine Recommender

” being submitted by KANDRA MANEESH, bearing 1602-21-733-087, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “individual health monitoring application” being submitted by SARAN, bearing 1602-21-733-088, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Blockchain-Based Secure File Sharing System” being submitted by MOHAMMED AMANULLAH, bearing 1602-21-733-089, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Blockchain-Enhanced Event Coordination” being submitted by MOHAMMED MUJAHID AHMED, bearing 1602-21-733-090, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Fertilizer Sprinkler Robot” being submitted by MD.SHAYMA, bearing 1602-21-733-091, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Personalised Health Assistant App

” being submitted by MUNNA, bearing 1602-21-733-092, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Product Identification and QR Codes in Blockchain-Based Systems” being submitted by CH.MURALI, bearing 1602-21-733-093, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Supply chain management” being submitted by NAGARAJU, bearing 1602-21-733-094, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT based crop recommendation system using environmental parameters” being submitted by NANDA KISHORE, bearing 1602-21-733-095, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Agriculture robot for ploughing, seedling and irrigation” being submitted by P.NAVYA SRI, bearing 1602-21-733-096, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Health Monitoring System” being submitted by D.NIHARIKA, bearing 1602-21-733-097, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Blockchain-Based Secure File Sharing System” being submitted by K.NIKHIL, bearing 1602-21-733-098, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Supply chain management” being submitted by NIKHIL, bearing 1602-21-733-099, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Personalised Mental health support

” being submitted by T.NIKHIL, bearing 1602-21-733-100, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Soil Moisture Detection System” being submitted by K.NIKHILA, bearing 1602-21-733-101, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Augmented Reality Warehouse Navigation” being submitted by NISHANTH THUMMA, bearing 1602-21-733-102, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Product Identification and QR Codes in Blockchain-Based Systems” being submitted by P.PRADEEP NAIK, bearing 1602-21-733-103, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT air quality monitoring system” being submitted by P.PRADEEP REDDY, bearing 1602-21-733-104, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Serverless web app” being submitted by PRANEETHA, bearing 1602-21-733-105, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Personalised Health Assistant App

” being submitted by PRASHANTH, bearing 1602-21-733-106, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Delivery information using AR” being submitted by PRIYATHAM KONDA, bearing 1602-21-733-107, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Individual health monitoring application” being submitted by RAHUL, bearing 1602-21-733-108, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Car pooling” being submitted by RAJ MISHRA, bearing 1602-21-733-109, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Agriculture robot for ploughing, seedling and irrigation” being submitted by B.RAKSHITHA, bearing 1602-21-733-110, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Soil Moisture Detection System” being submitted by B. RISHITHA REDDY, bearing 1602-21-733-111, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT air quality monitoring system” being submitted by A.RISHI VARMA, bearing 1602-21-733-112, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Personalised Mental health support

” being submitted by G.SAI SMARAN, bearing 1602-21-733-113, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Ayurvedic Medicine Recommender

” being submitted by KOTHA SAI TEJA, bearing 1602-21-733-114, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “pharmaceutical products supply chain management” being submitted by PRINCE SHARMA, bearing 1602-21-733-115, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Pillbox” being submitted by CH.SHIVATHMIKA, bearing 1602-21-733-116, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Disease detection” being submitted by SIDDHU, bearing 1602-21-733-117, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Augmented Reality Warehouse Navigation” being submitted by SIDDHARTHA REDDY DASIREDDY, bearing 1602-21-733-118, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Fertilizer Sprinkler Robot” being submitted by S.SREENIDHI, bearing 1602-21-733-119, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Implementation of Home Automation System” being submitted by PATI SRI SAI MAHITHA, bearing 1602-21-733-120, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Implementation of Home Automation System” being submitted by G. SRUTHI, bearing 1602-21-733-121, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Building a mail box sensor solution using Rasberrt pi and a wireless sensor” being submitted by CH SUMITH KUMAR, bearing 1602-21-733-122, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Decoding a JPEG Image using python” being submitted by SUPRITH, bearing 1602-21-733-123, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart Shopping Cart System” being submitted by P SURYA SHIVA CHARAN REDDY, bearing 1602-21-733-124, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Collision Detection System” being submitted by G.TARAK RAM, bearing 1602-21-733-125, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Farm Management Software Application” being submitted by S.TEJASWI, bearing 1602-21-733-126, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Collision Detection System” being submitted by K.TEJO SARAN, bearing 1602-21-733-127, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT Patient Health Monitoring System” being submitted by V.VARSHA, bearing 1602-21-733-129, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Snap and notify” being submitted by CH.VENKATESHWARLU, bearing 1602-21-733-130, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Delivery information using AR” being submitted by VIGNESH CHIDURALA, bearing 1602-21-733-131, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Blockchain-Enhanced Event Coordination” being submitted by P. VIJAY BABU, bearing 1602-21-733-132, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)

Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart parking using indoor navigation” being submitted by M.VISHNU VARDHAN REDDY, bearing 1602-21-733-133, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart parking using indoor navigation” being submitted by V.UDITH, bearing 1602-21-733-134, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT Waste Collection Management Project” being submitted by K. BALASUBBARAO, bearing 1602-21-733-308, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IOT Waste Collection Management Project” being submitted by B. SRIKANTH, bearing 1602-21-733-309, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Decoding jpeg images” being submitted by R.ROHINI, bearing 1602-21-733-310, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Snap and notify” being submitted by KORE.RAJU, bearing 1602-21-733-311, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Serverless web app” being submitted by U.ANJALI NANDA, bearing 1602-21-733-312, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Automated Street Lighting” being submitted by K.JAYASRI, bearing 1602-21-733-313, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Decoding jpeg images” being submitted by D.RAMADEVI, bearing 1602-21-733-314, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**

Vasavi College of Engineering (Autonomous)

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Disease detection” being submitted by ALTAF, bearing 1602-21-733-315, in partial fulfilment of the requirements of the VI semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under my guidance.

**Dr. M. Jitender Reddy,
Associate Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
Dept. of CSE.**