

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 **PROMPT-BASED CLOUD INFRASTRUCTURE DEPLOYMENT USING NLP & IAC** being submitted by **RAMACHANDRULA AASHRITH SAGAR** and **PRERNA PATNAIK**, bearing **1602-20-748-001 & 1602-20-748-023**, 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

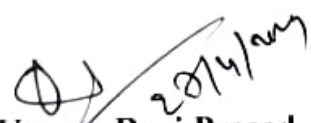
Dr. T. Adilakshmi,
Professor & HEAD,
Internal Guide


Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**SIGN LANGUAGE TRANSLATION**” being submitted by **MAMILLAPALLY HARI SAI** and **ALLA NITHIN SREEROOP REDDY**, bearing **1602-20-748-012** and **1602-20-748-019**, 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. Dasu Vaman Ravi Prasad
ASSISTANT PROFESSOR,
Internal Guide


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

Vasavi College of Engineering (Autonomous)

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Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **BLOCKCHAIN BASED SECURE VOTING: A SMART CONTRACT APPROACH** being submitted by **SRAVANI NVS** bearing **1602-20-748-047**, 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 under my guidance.

Dr.E.Shailaja,
Internal Guide
Dept. of CSE

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


External Examiner

Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering




BONAFIDE CERTIFICATE

This is to certify that the project titled **Rapid Identification of Replica Bug Reports via LDA-based Topic Modeling and Classification** being submitted by **Ridhvi Sai Kasam**, bearing **1602-20-748-031** & **Snigdha Teja Mittapally**, bearing **1602-20-748-046** 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 them under my guidance.


Dr. M Sunitha Reddy,
Assistant Professor,
Internal Examiner

External Examiner


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 **OPTIMIZING SPECTRUM ALLOCATION IN HIGH-DENSITY WLANS USING MULTI-ARMED BANDIT ALGORITHMS**, being submitted by **KANDIKONDA SHASHIKAR**, bearing **1602-20-748-044** 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 under my guidance.



Ms. T. Nishitha,
Assistant Professor,
Internal Examiner



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

External Examiner

Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **VIRTUAL DISK CREATION USING USER LEVEL FILE SYSTEM** being submitted by **MARKANTI RUTHIK REDDY** and **MUTHYAPWAR SHIV PRASAD**, bearing **1602-20-748-030** and **1602-20-748-045** 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 Examiner



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

Vasavi College of Engineering (Autonomous)

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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **CROP FORECASTING, DISEASE PREDICTION AND FERTILIZE RECOMMENDATION USING MACHINE LEARNING** being submitted by **NINALA RAHUL** bearing **1602-20-748-025**, 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. V. Sireesha,
Assistant Professor,
Internal Guide


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

Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **A MULTI PURPOSE DRONE : USED IN SURVEILLANCE, FACE TRACKING AND LINE FOLLOWING** being submitted by **V N MAHALAXMI**, bearing **1602-20-748-017** & **K SAI SNIGDHA**, bearing **1602-20-748-038** 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. Dasu Yaman Ravi Prasad,
Assistant Professor,
Internal Examiner



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

External Examiner



BONAFIDE CERTIFICATE

This is to certify that the project entitled **AUTONOMOUS HUMAN DETECTION USING DRONES IN SEARCH AND RESCUE OPERATIONS** being submitted by **R ROHAN REDDY**, bearing **1602-20-748-028** 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. Dasu Vaman Ravi Prasad,

Assistant Professor,

Internal Examiner

External Examiner



Dr. T. Adilakshmi,

Professor & HoD,

Dept. of CSE



BONAFIDE CERTIFICATE

This is to certify that the project entitled **RECOMMENDATION SYSTEM USING DEEP REINFORCEMENT LEARNING** being submitted by **MADHURIMA RANA VENI**, bearing **1602-20-748-016** 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 her under my guidance.

T. Adilakshmi

Dr. T. Adilakshmi,
Professor and HOD,
Internal Examiner

External Examiner

T. Adilakshmi

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

Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering




BONAFIDE CERTIFICATE

This is to certify that the project entitled **Two-Step Transformer-Based Approach for Variable-Length Abstractive Summarization**” being submitted by **AKKINAPURAM SREENIDHI**, bearing **1602-20-748-049** & **SANKURI SRINATH**, bearing **1602-20-748-050** 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 him/her under my guidance.


Mr. C. Greesh,

Assistant Professor,
Internal Examiner

External Examiner


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 "**CHRONIC KIDNEY DISEASE DETECTION**" being submitted by **BOBBILI HRUSHIKESH** and **KALVA NIVAS GUPTHA**, bearing **1602-20-748-013** and **1602-20-748-020**, 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. E. Shailaja,

Associate Professor,

Internal Guide

External Examiner



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 **AN ENHANCED QUESTION PAIR SIMILARITY USING NLP AND ADVANCED ML APPROACHES** being submitted by **BOPPELLA AKHILESWAR REDDY**, bearing **1602-20-748-003** & **EPPA PRANAY REDDY**, bearing **1602-20-748-022** 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. C. Gireesh,
Assistant Professor,
Internal Examiner

External Examiner


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 **EMOTION BASED TEXT TO SPEECH** being submitted by **GURRAM SRUJAN KUMAR**, bearing **1602-20-748-051** 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 him/her under my guidance.



Mr. C. Gireesh ,
Assistant Professor,
Internal Examiner



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

External Examiner


**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 **A REINFORCED APPROACH FOR DRIVER GAZE PREDICTION** being submitted by **V SATHWIKA**, bearing **1602-20-748-043** & **R.V.S.YOSHITHA**, bearing **1602-20-748-059** 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. D. Baswaraj,
Professor,
Internal Examiner

External Examiner


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

Vasavi College of Engineering (Autonomous)

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Hyderabad-500 031

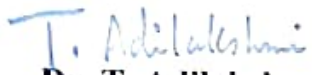
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**CYBERBULLYING DETECTION USING MACHINE LEARNING**” being submitted by **MADDILA SAI POORNIMA & G.MOUNIKA**, bearing **1602-20-748-035 & 1602-20-748-306**, in partial fulfilment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of 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)

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Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**NAMED ENTITY RECOGNITION FOR MEDICAL TEXT**” being submitted by **SANGIREDDY BHAVYA SRI** and **KUDUMULA CHANDANA** bearing **1602-20-748-008** and **1602-20-748-302**, 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. Karakanti Srividya,

Assistant professor,

Internal Guide

Dr.T.Adilakshmi,

Professor & HEAD,

Dept. of CSE.

Vasavi College of Engineering (Autonomous)

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Hyderabad-500 031

Department of Computer Science &

Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**SWITCHING TEXT BASED IMAGE ENCODERS FOR CAPTIONING IMAGES WITH TEXT**” being submitted by **PASUPULETI BHANU SRI** bearing **1602-20-748-006**, & **VODELA BHAVANI** bearing **1602-20-748-007** 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. JITHENDER REDDY

Assistant professor,

Internal Guide

Dr. T. Adilakshmi,

Professor & HEAD,

Dept. of CSE

External Examiner

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 "Contention Window Optimization with Reinforcement Learning" being submitted by **PAGIDI-MARRI DHANYA SHARABHA** and **PIDUGU MANASWINI**, bearing **1602-20-748-010** and **1602-20-748-018** 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.

Ms. T. NISHITHA,
Assistant Professor,
Internal Guide

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

Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Utilizing NLP and ML techniques to forecast Product Ratings by Analyzing Online Reviews**” being submitted by **AHMED MD.FAROOQ ALI** and **V RAGA SUDHA**, bearing **1602-20-748-002** and **1602-20-748-024** , 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

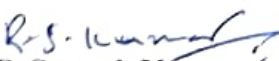
Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering




BONAFIDE CERTIFICATE

This is to certify that the project entitled **DECENTRALIZED PERSONAL HEALTH RECORD APPLICATION** being submitted by **AKUNURI SAI LIKITH** bearing **1602-20-748-032** & **LAGISETTY SREYA** bearing **1602-20-748-301** 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 him/her under my guidance.


Dr. R. Santosh Kumar,
Associate Professor,
Internal Examiner

External Examiner


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 **A NOVEL SVM BASED DECODER FOR REMOTE SENSING IMAGE CAPTIONING** being submitted by **KANAGALA KOUSHIK, SHEELAM SAI MANOJ** bearing **1602-20-748-014,1602-20-748-034** 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 & HEAD,
Dept. of CSE

Vasavi College of Engineering (Autonomous)
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Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**An AI Based Telemedicine Web Tool**” being submitted by **M. Tejasri and M. Vaishnavi**, bearing **1602-20-748-054** and **1602-20-748-056**, 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 & HEAD,
Dept. of CSE


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Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**NETWORK INTRUSION DETECTION SYSTEM USING ENSEMBLE MACHINE LEARNING MODEL**” being submitted by **YEDDULA SAI LIKITH REDDY** and **SAQUIB AHMED**, bearing **1602-20-748-033** and **1602-20-748-042**, 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. R. SATEESH KUMAR
ASSISTANT 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 & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Electricity Theft Detection Employing Machine Learning Algorithms**” being submitted by **KOLA KRESHANTH**, bearing **1602-20-748-015**, 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 Susmitha T,
Assistant Professor,
Internal Guide

External Examiner



Dr. T. Adilakshmi,
Professor & HEAD,
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 “**Do it Yourself Recommender System**” being submitted by **CHANDAN MISHRA**, bearing **1602-20-748-303**, 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.S. Kumar
Dr R.Santosh Kumar,
Associate Professor,
Internal Guide

External Examiner

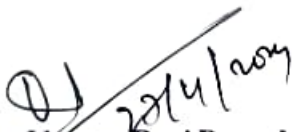
T. Adilakshmi
Dr. T. Adilakshmi,
Professor & HEAD,
Dept. of CSE

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 “**Object Tracking and Following Using UAV**” being submitted by **PEDDI SAI SUMANTH**, bearing **1602-20-748-040**, 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.



Mr. Dasu Vaman Ravi Prasad,
Assistant Professor,
Internal Guide



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

External Examiner

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-Mart: A Cloud-Edge Computing Power Trading Framework**” being submitted by **A. PRAJWAL REDDY**, bearing hall ticket number, **1602-20-748-021**, & **S. VARUN KUMAR REDDY**, bearing hall ticket number, **1602-20-748-057**, 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 them under my guidance.

Dr. P. Kalpana,
Associate Professor,
Internal Examiner

External Examiner

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 “**DEEP FAKE DETECTION USING CONV-LSTM HYBRID ARCHITECTURE**” being submitted by **BATHINI ROHITH**, bearing **1602-20-748-029** & **PULIPAKA BALAJI**, bearing **1602-20-748-305** 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 under my guidance.

R. Sudha

Mrs.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)
Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **COMPARITIVE STUDY ON DIFFERENT DATA SCIENCE MODELS** being submitted by **AMRUTH DEVINENI**, bearing **1602-20-748-004** & **SANJANA CHERUKURI**, bearing **1602-20-748-037** 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 them under my guidance.

N Hegde 20/4/24

Mrs. Nagaratna P Hegde,

Professor

Dept. of CSE

Internal Guide

T. Adilakshmi

Dr. T. Adilakshmi,

Professor & HEAD,

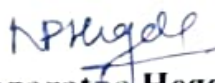
Dept. of CSE

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 **Respiratory diseases recognition through respiratory sound with the help of deep neural network** being submitted by **SAI PRANAY**, bearing **1602-20-748-036** & **N.THIRUPATHI RAJU**, bearing **1602-20-748-055** 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 him under my guidance.


Dr. Nagaratna Hegde
Professor,
Internal Examiner

External Examiner


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 "**Localization of Inpainting Forgery With Feature Enhancement Network**" being submitted by **RITVIK SAI VEMULA**, bearing **1602-20-748-027 & SIRIKONDA GANESH**, bearing **1602-20-748-304** 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. R. Sudha,

Associate Professor,

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 Theme-based project entitled “Air quality monitoring system” being submitted by Macharla. Abhilash, bearing 1602-21-748-001, 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.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

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

Vasavi College of Engineering (Autonomous)

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Hyderabad-500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Enhancing campus security with rfid, ir sensors, and arduino” being submitted by T. Akhilesh, bearing 1602-21-748-002, 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.

**P. Narasiah,
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 saline monitoring system” being submitted by Pottumuthu. Akshitha, bearing 1602-21-748-003, 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.

**P. Narasiah,
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 “Lung cancer detection” being submitted by Konduru. Bhargava Sai Karunya, bearing 1602-21-748-004, 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.

**P. Narasiah,
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 “Lung cancer detection” being submitted by Gouni. Chakri Nath Reddy, bearing 1602-21-748-005, 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.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

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

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “IoT based muscle strain detector” being submitted by Talluri. Chandra Kiran, bearing 1602-21-748-006, 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.

**P. Narasiah,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Iot based muscle strain detector” being submitted by Kanduri. Datta Sai Sri Amogha, bearing 1602-21-748-007, 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.

**P. Narasiah,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Intrusion detection system” being submitted by Deekshitha. Rangoju, bearing 1602-21-748-008 , 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.

**P. Narasiah,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Liver tumor detection ” being submitted by Konduri. Gagana Kumar, bearing 1602-21-748-009, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart in-campus car parking system ” being submitted by Sandadi. Gowthika Sree, bearing 1602-21-748-010, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart visitor with smart lock system” being submitted by Mood. Indu Priya, bearing 1602-21-748-011, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart visitor with smart lock system” being submitted by Bhukya. Kaveri, bearing 1602-21-748-012, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smoke detection system ” being submitted by Baireddy. Kavya, bearing 1602-21-748-013, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Shopease:automated cart and billing system ” being submitted by Velpula. Keerthi, bearing 1602-21-748-014, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Vehicle accident detection system” being submitted by Kunda. Krishna Sonesh, bearing 1602-21-748-015, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart cradle” being submitted by Gajji. Laxman Kumar, bearing 1602-21-748-016, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Enhancing road safety :the u-turn safety system ” being submitted by Makam. Lokesh, bearing 1602-21-748-017, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Enhancing road safety :the u-turn safety system ” being submitted by Gaddam. Madhu Arnav, bearing 1602-21-748-018, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Fall detection using iot” being submitted by Desam. Mahesh Reddy, bearing 1602-21-748-019, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Enhancing campus security with rfid, ir sensors, and arduino” being submitted by Manas. Reddy Gavva, bearing 1602-21-748-020, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart cradle” being submitted by Manasa. Karumuru, bearing 1602-21-748-021, 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.

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(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Vehicle accident detection system” being submitted by Keshi. Reddy Manideep Reddy, bearing 1602-21-748-022, 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 'P. Narasiah', is positioned above the printed name of the Assistant Professor.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in black ink, appearing to read 'T. Adilakshmi', is positioned above the printed name of the Professor & HOD.

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

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Alcohol detection and engine locking system ” being submitted by Talakanti. Manivarshith Reddy, bearing 1602-21-748-023, 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.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Intrusion detection system” being submitted by Gujjari. Meghana, bearing 1602-21-748-024 , 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 'Narasiah', is positioned above the printed name of the Assistant Professor.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in black ink, appearing to read 'T. Adilakshmi', is positioned above the printed name of the Professor & HOD.

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

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Detection of counterfeit (fake) products using blockchain” being submitted by Mohammad. Sameervali, bearing 1602-21-748-025, 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.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

**Dr. T. Adilakshmi,
Professor & HOD,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Pharmaceutical products supply management ” being submitted by Mohammed. Aftab, bearing 1602-21-748-026, 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.

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

**Dr. T. Adilakshmi,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart agriculture system ” being submitted by Shaik. Moulali, bearing 1602-21-748-027, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Pharmaceutical products supply management ” being submitted by Manchi. Naga Sai Abhiram, bearing 1602-21-748-028, 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.

A handwritten signature in blue ink, appearing to read 'P. Narasiah', is positioned above the printed name of the Assistant Professor.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in black ink, appearing to read 'T. Adilakshmi', is positioned above the printed name of the Professor & HOD.

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

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart agriculture system ” being submitted by Jaggavarapu. Namratha, bearing 1602-21-748-029, 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.

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**Dr. T.Adilakshmi,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Bus monitoring system ” being submitted by Ageeru. Nihal, bearing 1602-21-748-030, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Bus monitoring system ” being submitted by Rapolu. Nikhil, bearing 1602-21-748-031, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Bus monitoring system ” being submitted by Boda. Pavan Teja, bearing 1602-21-748-032, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Lung cancer detection” being submitted by Thanneru. Praneeth, bearing 1602-21-748-033, 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 'P. Narasiah', is positioned above the printed name of the Assistant Professor.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in black ink, appearing to read 'T. Adilakshmi', is positioned above the printed name of the Professor & HOD.

**Dr. T. Adilakshmi,
Professor & HOD,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart in-campus car parking system ” being submitted by Padakanti. Rahul Reddy, bearing 1602-21-748-034, 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.

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(Faculty I/c)**

**Dr. T.Adilakshmi,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart contract implementation ” being submitted by Mallepally. Rishi Chandra, bearing 1602-21-748-035, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart medicine dispenser ” being submitted by Bhamidipati. Rithi, bearing 1602-21-748-036, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Ai-powered mental health assistant” being submitted by Rudradev. Myadara, bearing 1602-21-748-037, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart medicine dispenser ” being submitted by Satla. Rushitha, bearing 1602-21-748-038, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart vehicle security system” being submitted by Komirishetti. Ruthvika, bearing 1602-21-748-039, 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 'P. Narasiah', is positioned above the printed name of the Assistant Professor.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in black ink, appearing to read 'T. Adilakshmi', is positioned above the printed name of the Professor & HOD.

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

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Internet controlled car” being submitted by Lagishetty. Sai Aneesh, bearing 1602-21-748-040, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Ai-powered mental health assistant” being submitted by Bagula. Sai Kishore, bearing 1602-21-748-041, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Internet controlled car” being submitted by Neelesh. Sai Kumar Janpal, bearing 1602-21-748-042, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Optimization of print-scan steganography” being submitted by Katika. Sai Kumar Reddy, bearing 1602-21-748-043, 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.

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(Faculty I/c)**

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Professor & HOD,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Personalized health assistant with smart water reminder system” being submitted by Karriveda. Sai Rakshith Reddy, bearing 1602-21-748-044, in partial fulfillment 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.

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**Dr. T. Adilakshmi,
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Dept. of CSE.**

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Shopease:automated cart and billing system ” being submitted by Mandiga. Sai Sheshirudh, bearing 1602-21-748-045, 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.

**P. Narasiah,
Assistant Professor,
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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Rfid door lock system ” being submitted by Kandi. Sai Shreyas Reddy, bearing 1602-21-748-046, 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.

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This is to certify that the Theme-based project entitled “Medical insurance prediction” being submitted by Yamsani. Sainith, bearing 1602-21-748-047, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart vehicle security system” being submitted by Aitha. Sakshitha, bearing 1602-21-748-048, 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.

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This is to certify that the Theme-based project entitled “Smart visitor with smart lock system” being submitted by Pokuri. Sathakshi Sai, bearing 1602-21-748-049, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Rfid door lock system ” being submitted by Nelakurthy. Siddarth Reddy, bearing 1602-21-748-050, 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.

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This is to certify that the Theme-based project entitled “Optimization of print-scan steganography” being submitted by Gunduju. Sohan, bearing 1602-21-748-051, 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.

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This is to certify that the Theme-based project entitled “Enhancing road safety through integrated driver drowsiness detection and pedestrain road crossing assistance” being submitted by Vadlakonda. Spoorthi, bearing 1602-21-748-052, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “” being submitted by Sadirepally. Sreeja, bearing 1602-21-748-053, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Detection of counterfeit (fake) products using blockchain” being submitted by Sriram. Chinmaye, bearing 1602-21-748-054, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Malware detection using deep learning” being submitted by Gaddam. Sriram Reddy, bearing 1602-21-748-055, 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 'P. Narasiah', is positioned above the printed name of the Assistant Professor.

**P. Narasiah,
Assistant Professor,
Dept. of CSE,
(Faculty I/c)**

A handwritten signature in black ink, appearing to read 'T. Adilakshmi', is positioned above the printed name of the Professor & HOD.

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

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Personalized health assistant with smart water reminder system” being submitted by Theeparthi. Surya Sathvik, bearing 1602-21-748-056, in partial fulfillment 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Malware detection using deep learning” being submitted by Bindla. Tarun Kumar, bearing 1602-21-748-057, 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.

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This is to certify that the Theme-based project entitled “Malware detection using deep learning” being submitted by Myathari. Teja, bearing 1602-21-748-058, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Enhancing road safety through integrated driver drowsiness detection and pedestrain road crossing assistance” being submitted by Desineedi. Vamsi Krishna, bearing 1602-21-748-059, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart traffic management system” being submitted by Mabbu. Venu Sai, bearing 1602-21-748-060, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart contract implementation ” being submitted by Teki. Vikas, bearing 1602-21-748-061, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Iot based saline monitoring system” being submitted by Singari. Viroop Raj, bearing 1602-21-748-062, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Medical insurance prediction” being submitted by Gona. Vishnu Vardhan, bearing 1602-21-748-063, 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.

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This is to certify that the Theme-based project entitled “Fall detection using iot” being submitted by Banala. Yashwanth, bearing 1602-21-748-064, 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.

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This is to certify that the Theme-based project entitled “Smart contract implementation ” being submitted by Pulusu. Thilak, bearing 1602-21-748-065, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Smart traffic management system” being submitted by Manda. Vinay Kumar, bearing 1602-21-748-301, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Patient health monitoring system ” being submitted by Kuruva. Mounika, bearing 1602-21-748-302, 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.

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This is to certify that the Theme-based project entitled “Alcohol detection and engine locking system ” being submitted by Yamjala. Akash, bearing 1602-21-748-303, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Patient health monitoring system ” being submitted by Pasula. Teja, bearing 1602-21-748-304, 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.

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This is to certify that the Theme-based project entitled “Air quality monitoring system” being submitted by Waghmare. Shanthi Swaroop, bearing 1602-21-748-306 , 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.

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This is to certify that the Theme-based project entitled “Smoke detection system ” being submitted by Sabavath. Aruna, bearing 1602-21-748-307, 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.

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