

Vasavi College of Engineering
(Autonomous)

ACCREDITED BY NAAC WITH 'A++' GRADE

(Affiliated to Osmania University)

Hyderabad-500 031

Department of Computer Science



BONAFIDE CERTIFICATE

This is to certify that the project Rubik's Cube-Based Chaotic Image Encryption with Prime Factor Decomposition is being submitted by **Neelesh Sai Kumar Janpal, and Lagishetty Sai Aneesh** bearing **1602-21-748-042, 1602-21-748-040** 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 bonafide work carried out by him/her under my guidance.

T. Adilakshmi

Dr. T. Adilakshmi

HOD, CSE

Internal Guide

T. Adilakshmi

Dr. T. Adilakshmi

HOD, CSE


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 Seminar titled “**Brain Tumor Detection and Segmentation**” being submitted by Bhargava Sai, bearing 1602-21-748-004 , Praneeth Thanneru bearing 1602-21-748-033 and Chakrinath Reddy bearing 1602-21-748-005 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Mr. D. Baswaraj guidance.


D. Baswaraj,
Professor,
Dept. of CSE,
Internal Guide


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

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Department of Computer Science



BONAFIDE CERTIFICATE

This is to certify that the project Rubik's Cube-Based Chaotic Image Encryption with Prime Factor Decomposition is being submitted by **Kavya Baireddy, and Aruna Chouhan** bearing 1602-21-748-013, 1602-21-748-307 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 bonafide work carried out by him/her under my guidance.


Dr. Baswaraj
Professor, CSE
Internal Guide


Dr. T. Adilakshmi
HOD, CSE
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 **“Biodegradable and Non-Biodegradable detection using YOLOV8”** being submitted by K Sai Shreyas Reddy bearing **1602-21-748-046** and N Siddarth Reddy bearing **1602-21-748-050**, in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under my guidance.

NP Hegde

Dr Nagaratna P Hegde
Professor
Dept. of CSE

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 **“Deep Learning Powered Intelligent Shoplifting Detection System”** being submitted by **Ageeru Nihal, Rapolu Nikhil, Boda Pavan Teja**, bearing **1602-21-748-030, 1602-21-748-031, 1602-21-748-032** 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
25/4/24
Dr. V. Sireesha

Associate Professor

Internal Guide

T. Adilakshmi
Dr. T. Adilakshmi

Professor & HEAD

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 **“AUTOMATED WEATHER CLASSIFICATION USING TRANSFER LEARNING”** being submitted by **T. AKHILESH** and **MANAS REDDY GAVVA**, bearing **1602-21-748-002** and **1602-21-748-020**, 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

Dr. T. Adilakshmi,

Professor & HEAD,

Dept. of CSE

External Examiner

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Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **GAN based Text-to-Image Synthesis** being submitted by **M.Indupriya, B.Kaveri** and **P.Sathakshi Sai** bearing **1602-21-748-011, 1602-21-748-012** and **1602-21-748-049** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


Dr. E. Shailaja
Associate Professor


Dr. T. Adilaxmi
Professor & HOD

External Examiner

Vasavi College of Engineering (Autonomous)

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Ibrahimbagh, Hyderabad-31

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “Speechformer-CTC: Sequential modelling of depression detection with speech temporal classification” being submitted by K.Ruthvika, A.Sakshitha bearing 1602-21-748-39 & 1602-21-748-048, 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.

Internal Guide

NISHITHA REDDY T

Assistant professor

HOD, CSE

Dr. T. Adilakshmi

Professor

External Examiner

Vasavi College of Engineering (Autonomous)

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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“Real-Time Baby Cry Analytics Using Machine Learning and IoT for Home-Based Smart Monitoring”** being submitted by **GAJJI LAXMAN KUMAR** and **MANASA KARUMURU**, bearing **1602-21-748-016** and **1602-21-748-021**, 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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Department of Computer Science& Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled “**Generation and Detection of Face Morphing Attacks**” being submitted by **Makam Lokesh, Gaddam Madhu Arnav**, bearing hall ticket numbers **1602-21-748-017,1602-21-748-018**, 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 Guide

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

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Hyderabad-500031

Department of Computer Science and Engineering



BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled **Skin Cancer Classification Using Deep Learning** being submitted by **Kuruva Mounika** and **Pasula Teja** bearing **1602-21-748-302** and **1602-21-748-304** in Bachelor of Engineering in Information Technology in a record of bonafide work carried out by them under my guidance.


K. Srividya

Assistant Professor

Internal Guide


Dr. T. Adilaxmi

Professor & HOD

External Examiner

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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **“Tunnel Accident Detection under Low Light Environments”** being submitted by **MANDIGA SAI SHESHIRUDH** and **VELPULA KEERTHI**, bearing **1602-21-748-045** and **1602-21-748-014**, 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.



Dr. R. Santosh Kumar

Associate Professor

Dept. of CSE

Internal Guide



Dr. T. Adilakshmi

Professor & HEAD


Dept. of CSE


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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled “**An Interactive Chatbot for Visual Content Understanding using DL**” being submitted by Akash Yamjala bearing 1602- 21-748-303 and Mani Varshith bearing 1602-21-748-023 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of Bonafide work carried out by him/her under Dr.Bhargavi Peddireddy guidance.


Dr.Bhargavi Peddireddy,
Associate Professor,
Dept. Of CSE,


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 **SafeRideAI- AI Powered Urban Commuter Safety** being submitted by **Rithi Bhamidipati** and **Rushitha Satla** bearing **1602-21-748-036** and **1602-21-748-038**, 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.


Dr. P. Bhargavi
Associate Professor
Internal Guide


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

Vasavi College of Engineering (Autonomous)
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031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled "**Diabetes Detection and Patient Support System**" being submitted by Sai Rakshith Karriveda, bearing 1602-21-748-044 and Surya Sathvik Theeparthi, bearing 1602-21-748-056 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Ms.R.Sudha.

R. Sudha

Ms.R.Sudha,

Associate Professor,

Dept. of CSE,

Internal Guide

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 "**PHARMACEUTICAL PRODUCTS SUPPLY CHAIN MANAGEMENT**" being submitted by **MD AFTAB** and **M NAGA SAI ABHIRAM**, bearing hall ticket numbers **1602-21-748-026** and **1602-21-748-028**, 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 them under my guidance.


DR. RAMATENKI SATEESH KUMAR,
Assistant Professor,
Internal guide


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 **“REAL-TIME CO₂ EMISSION FORECASTING AND VEHICLE EMISSION PREDICTION USING ARIMA AND ENSEMBLE LEARNING”** being submitted by **DEEKSHITHA RANGOJU** and **MEGHANA GUJJARI**, bearing **1602-21-748-008** and **1602-21-748-024**, 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.

A handwritten signature in blue ink, appearing to read "M. Jitender Reddy", enclosed within a circular scribble.

Dr. M. Jitender Reddy
ASSISTANT PROFESSOR,
Internal Guide

A handwritten signature in blue ink, appearing to read "T. Adilakshmi".

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

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Hyderabad-500 031

Department of Computer Science



BONAFIDE CERTIFICATE

This is to certify that the project entitled **Deep Learning-Based Maize Crop Disease Classification Model in Telangana Region of South India** is being submitted by **Sainith Yamsani, and Gona Vishnu Vardhan** bearing **1602-21-748-047, 1602-21-748-063** in partial fulfillment of the requirements for the award of the degree of Bachelor of Engineering in Computer Science is a record of bonafide work carried out by him/her under my guidance.


Mr. P. Narsaiah
Asst. professor,
Internal Guide.

External examiner




**Dr. T. Adilakshmi
HOD, CSE**


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University) Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled “Advanced Lane Detection Using Deep Learning” being submitted by Myathari Teja, bearing 1602-21-748-058, Bindla Tharun Kumar bearing 1602-21-748057 and Gaddam Sriram Reddy, bearing 1602-21-748-055 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Ms. S. Komal Kour guidance.


Ms. S. Komal Kour,
Assistant Professor,
Dept. of CSE,
Internal Guide


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

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BONAFIDE CERTIFICATE

This is to certify that the project seminar entitled “**REAL TIME COLLABORATIVE CODE EDITOR**” being submitted by **MYADARA RUDRADEV** and **BAGULA SAI KISHORE**, bearing **1602-21-748-037** and **1602-21-748-041** respectively, in partial fulfilment of the requirements of the award of the degree of Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him under Mrs. Sabnekar Asha Jyothi guidance.

S. Asha Jyothi

**Mrs. Sabnekar Asha Jyothi,
Assistant Professor,
Dept. of CSE.**

T. Adilakshmi

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


(External Examiner)


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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled **“AI-driven Diagnostic Assistance for the Gastrointestinal Tract Diseases”** being submitted by Desam Mahesh Reddy, bearing 1602-21-748-019 and Yashwant Banala, bearing 1602-21-748-064 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Dr. R.Santosh Kumar guidance.


Dr. R.Santosh Kumar,
Assistant Professor,
Dept. of CSE,
Internal Guide


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

Vasavi College of Engineering (Autonomous)
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500 031

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled **"Automatic Blood Cell Detection Based on Advanced YOLOv5s Network"** being submitted by M.Abhilash and W.Shanthi Swaroop, bearing 1602-21-748-001 and 1602-21-748-306 respectively, in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him under my guidance.



Ms. Karakanti Srividya,
Assistant Professor,
Dept. of CSE.



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

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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled “**Multi-Model Forecasting of Stock Prices Using Deep Learning and Statistical Methods**” being submitted by Akshitha Pottumuthu bearing 1602-21-748-003 and Singari Viroop Raj bearing 1602-21-748-062 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by them under Mr. P. Narsaiah guidance.


28/04/2025
Mr. P. Narsaiah,
Assistant Professor,
Dept. of CSE.


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 Seminar titled **“Multi-Stage Wildfire Detection Using YOLOv7: From Static Imagery to Real-Time Vision”** being submitted by Talluri Chandra Kiran, bearing 1602-21-748-006 and Amogha Kanduri, bearing 1602-21-748-007 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Mr. C. Gireesh guidance.


Mr. C. Gireesh,
Assistant Professor,

Dept. of CSE,
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 Seminar titled **“Structured Entity Extraction From Product Images Using Fine-Tuned Vision-Language Models For Digital Marketplaces”** being submitted by Spoorthi Vadlakonda, bearing 1602-21-748-052 and Desineedi Vamsi Krishna, bearing 1602-21-748-059 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Dr. T. Jalaja guidance.



Dr. T. Jalaja,
Assistant Professor,
Dept. of CSE,
Internal Guide



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 "**IMPROVED MUSIC SUGGESTION USING EMOTION DETECTED**" being submitted by **SHAIK MOULALI** and **JAGGAVARAPU NAMRATHA**, bearing hall ticket numbers **1602-21-748-027** and **1602-21-748-029**, 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 them under my guidance.



D.Likhitha,

Assistant Professor,

Internal guide



Dr.T.Adilakshmi,

Professor &HOD,

Dept.of CSE


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Hyderabad-500 031
Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled “**Automated Vehicle Detection and License Plate Recognition System**” being submitted by Konduri Gagana Kumar, bearing 1602-21- 748-009 and Sadirepally Sreeja, bearing 1602-21-748-053 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of Bonafide work carried out by her under Ms. S. Komal Kaur guidance.


S. Komal Kaur
Assistant Professor,
Dept. of CSE


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 Seminar titled **“Prioritized Replay Buffer in OSCAR: A TD-Error Based Sampling Approach”** being submitted by Sriram Chinmaye, bearing 1602-21-748-054 and Mohammad Sameervali, bearing 1602- 21-748-025 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Ms. T. Nishitha guidance.

**T. Nishitha,
Assistant Professor,
Dept. of CSE,
Internal Guide**

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

Vasavi College of Engineering
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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled “**Cross validation voting for improving CNN**” being submitted by Rishi Chandra, bearing 1602-21-748-035 and Vikas, bearing 1602-21-748-061 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Ms. D. Laxmi Prasanna guidance.

D.Laxmi Prasanna,
Assistant Professor,
Dept. of CSE,
Internal Guide

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

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Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled “Hyperspectral Image Classification And Denoising” being submitted by Keshireddy Manideep reddy, bearing 1602-21-748-022 and Kunda Krishna Sonesh, bearing 1602-21-748-015 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Dr. Shailaja Erukulla guidance

**Dr. Shailaja Erukulla,
Associate Professor,
Dept. of CSE,
Internal Guide**


**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 **From Letters to Language: End-to-End TTS with Tacotron 2** being submitted by **S.Gowthika Sree and Padakanti Rahul Reddy** bearing **1602-21-748-010** and **1602-21-748-034**, 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.


C. Gireesh
Assistant Professor
Internal Guide


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

Vasavi College of Engineering (Autonomous)

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Ibrahimbagh, Hyderabad-31

Department of Computer Science & Engineering



BONAFIDE CERTIFICATE

This is to certify that the project entitled **"PDF2MD: Converting PDF to Markdown for Better Dataset Preparation"** being submitted by **Sai Kumar and Sohan Gundaju** bearing **1602-21-748-043 & 1602-21-748-051**, 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.



Internal Guide

S.Komal Kaur

Assistant Professor



HOD, CSE

Dr. T. Adilakshmi

Professor

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



BONAFIDE CERTIFICATE

This is to certify that the Project Seminar titled **“Low Light Image Enhancement”** being submitted by M. Venu sai, bearing 1602-21-748-060 and M. Vinay Kumar, bearing 1602-21-748-301 in partial fulfilment of the requirements of the VIII semester, Bachelor of Engineering in Computer Science & Engineering is a record of bonafide work carried out by him/her under Ms. P. Nancy Celine guidance.

A handwritten signature in blue ink, appearing to read 'P. Nancy Celine'.

P. Nancy Celine,
Assistant Professor,
Dept. of CSE,
Internal Guide

A handwritten signature in blue ink, appearing to read '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 Theme-based project entitled “Pedestrian Detection” being submitted by P.Bala Sreekrutha, bearing 1602-22-748-001, 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.



**S. Komal Kour,
Asst. 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 “Parkinson's disease progression prediction-w-tfdf” being submitted by P.Bhanu Prakash Reddy, bearing 1602-22-748-002, 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.



**S. Komal Kour,
Asst. 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 “Face Aging and De-aging” being submitted by M.BHAVYA REDDY, bearing 1602-22-748-003, 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.



**S. Komal Kour,
Asst. 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 “Smart health care” being submitted by C.Dedeepta Sai sri, bearing 1602-22-748-004, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “AI-Powered Traffic Management and Safety System” being submitted by Deepika, bearing 1602-22-748-005, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Attendance filling with face recognition” being submitted by V.Dheeraj Kumar, bearing 1602-22-748-006, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “cropcare ai” being submitted by Gowtham, bearing 1602-22-748-007, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Attendance filling with face recognition” being submitted by B.Harish, bearing 1602-22-748-008, 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.



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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “mental health prediction ” being submitted by Harshitha suru, bearing 1602-22-748-009, 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 “mental health prediction ” being submitted by Jyothsna k, bearing 1602-22-748-010, 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 “air quality monitoring data collection and dashboard implementation ” being submitted by B.Kamal, bearing 1602-22-748-011, 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 “movie recommendation system ” being submitted by M.Karthik, bearing 1602-22-748-012, 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 “movie recommendation system ” being submitted by B.Kaushal, bearing 1602-22-748-013, 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 “Reddit sentimental Analysis” being submitted by S.Koushik, bearing 1602-22-748-014, 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 “Sentiment analysis of U.S Airlines ” being submitted by Kovali kusam, bearing 1602-22-748-015 , 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 “Sentiment analysis of U.S Airlines” being submitted by D.Sowmya, bearing 1602-22-748-016, 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 “Contention Window Optimization Using RL” being submitted by B. Lokesh, bearing 1602-22-748-017, 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 “Reddit sentimental Analysis” being submitted by M.Madhu, bearing 1602-22-748-018, 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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This is to certify that the Theme-based project entitled “A Simple Module Containing Penetration Test and Analyser” being submitted by Mani Kumar Dodla, bearing 1602-22-748-019, 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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This is to certify that the Theme-based project entitled “Smart health care” being submitted by C.Meghana, bearing 1602-22-748-020, 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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This is to certify that the Theme-based project entitled “AI-Powered Traffic Management and Safety System” being submitted by Zeba Basrin, bearing 1602-22-748-021, 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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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Hand gesture Brightness and Volume control ” being submitted by B.Moukthik Patel, bearing 1602-22-748-022, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Pedestrian Detection” being submitted by Naga Himaja.N, bearing 1602-22-748-023, 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.



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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Financial Market Prediction System” being submitted by K.Nishant Sai, bearing 1602-22-748-024, 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.



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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Image Segmentation ” being submitted by B.Nishanth, bearing 1602-22-748-025, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Parkinson's disease progression prediction-w-tfdf” being submitted by G.Paramesh Baba, bearing 1602-22-748-026, 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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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Image Segmentation ” being submitted by Parthiv, bearing 1602-22-748-027, 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 “AI-Powered Social Engineering Threat Detector” being submitted by U.PoornaCharan, bearing 1602-22-748-028, 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.



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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Post-Quantum Secure Messaging Platform” being submitted by L.Preetham Reddy, bearing 1602-22-748-029, 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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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Face Aging and De-aging” being submitted by S.PREETHI REDDY, bearing 1602-22-748-030, 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 “tennis analysis” being submitted by T.Rahul goud, bearing 1602-22-748-031, 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 “An Automated Waste Classification System Using Deep Learning” being submitted by M. Ravi Teja, bearing 1602-22-748-032, 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 “Graphic generation from text description ” being submitted by M.Rishitha, bearing 1602-22-748-033, 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.

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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Gesture Keyboard and Text Written Recognition” being submitted by Y.Sai chaithanya Reddy, bearing 1602-22-748-034, 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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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Financial Market Prediction System” being submitted by K.Sai Deepak, bearing 1602-22-748-035, 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 “tennis analysis” being submitted by A.Sai ratna, bearing 1602-22-748-036, 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 “Underwater image restoration” being submitted by Ch. Saketh, bearing 1602-22-748-037, 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 “Intelligent AI Assistant: Enabling Vision, Speech, and Voice-Controlled Desktop Operations to Simplify Your Workflow” being submitted by Gugulothu Sampath, bearing 1602-22-748-038, 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 “Underwater image restoration” being submitted by M. Satya Aniketh Murthy , bearing 1602-22-748-039 , 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.



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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Satellite image classification ” being submitted by V Shiva Siddhardha , bearing 1602-22-748-040, 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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This is to certify that the Theme-based project entitled “Sign symphony :Real-time sign language translation ” being submitted by Y.Shruthi, bearing 1602-22-748-041, 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 “Speech emotion recognition” being submitted by A.Sowmika, bearing 1602-22-748-042, 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 “Nutricook: smart ingredient based recipes” being submitted by K.Sree Harsha Vardhan, bearing 1602-22-748-043, 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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This is to certify that the Theme-based project entitled “A Simple Module Containing Penetration Test and Analyser” being submitted by Sree Vaibhav Duvvuri, bearing 1602-22-748-044, 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.



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This is to certify that the Theme-based project entitled “Prompt-Based Product Recommendations for E-Commerce” being submitted by Sreedha Reddy Vanga, bearing 1602-22-748-045, 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.



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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “Intelligent AI Assistant: Enabling Vision, Speech, and Voice-Controlled Desktop Operations to Simplify Your Workflow” being submitted by K. Srihari Sakshith, bearing 1602-22-748-046, 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 “Post-Quantum Secure Messaging Platform” being submitted by B.Srihith Netha, bearing 1602-22-748-047, 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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This is to certify that the Theme-based project entitled “Nutricook: smart ingredient based recipes” being submitted by J.Surya Kiran , bearing 1602-22-748-048, 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 “Sign symphony :Real-time sign language translation ” being submitted by P.Suvitha Reddy, bearing 1602-22-748-049, 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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This is to certify that the Theme-based project entitled “Speech emotion recognition” being submitted by S.Taruni, bearing 1602-22-748-050, 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 “Satellite image classification ” being submitted by M. Thirumalesh, bearing 1602-22-748-051, 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 “AI-Powered Social Engineering Threat Detector” being submitted by Uzair Baig, bearing 1602-22-748-052, 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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This is to certify that the Theme-based project entitled “Product Recommendation Analysis for Electronic Gadgets With Novel Transformer Based BERT Embedding ” being submitted by V.Supraja, bearing 1602-22-748-053, 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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This is to certify that the Theme-based project entitled “Product Recommendation Analysis for Electronic Gadgets With Novel Transformer Based BERT Embedding ” being submitted by G.Vaishnavi, bearing 1602-22-748-054, 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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This is to certify that the Theme-based project entitled “Graphic generation from text description ” being submitted by D.Varshitha, bearing 1602-22-748-056, 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.

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This is to certify that the Theme-based project entitled “Gesture Keyboard and Text Written Recognition” being submitted by M.V.Kishan, bearing 1602-22-748-057, 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 “An Automated Waste Classification System Using Deep Learning” being submitted by T. Vighnesh Adithya Reddy, bearing 1602-22-748-058, 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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This is to certify that the Theme-based project entitled “Contention Window Optimization Using RL” being submitted by B. Vignesh, bearing 1602-22-748-059, 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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This is to certify that the Theme-based project entitled “Hand gesture Brightness and Volume control ” being submitted by Vilok.P, bearing 1602-22-748-060, 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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This is to certify that the Theme-based project entitled “cropcare ai” being submitted by Vishnu, bearing 1602-22-748-061, 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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This is to certify that the Theme-based project entitled “Prompt-Based Product Recommendations for E-Commerce” being submitted by Vivek Reddy Basani, bearing 1602-22-748-062, 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 “Deep fake Image Recognition using GANs” being submitted by K.Sai Pradyumna, bearing 1602-22-748-301, 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 “Ensemble Learning for Smarter Air Quality Forecasting” being submitted by G.Sravani, bearing 1602-22-748-302, 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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BONAFIDE CERTIFICATE

This is to certify that the Theme-based project entitled “AI Interview Model-MockMate” being submitted by K.Shekar, bearing 1602-22-748-303, 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 “Deep fake Image Recognition using GANs” being submitted by G.Sai Nitin, bearing 1602-22-748-304, 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 “Ensemble Learning for Smarter Air Quality Forecasting” being submitted by P.Shruthi, bearing 1602-22-748-305, 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.



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This is to certify that the Theme-based project entitled “AI Interview Model-MockMate” being submitted by R.Tejaswini, bearing 1602-22-748-306, 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 “Air quality monitoring data collection and dashboard implementation ” being submitted by Mohd.Abdul Muttalib, bearing 1602-22-748-307, 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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