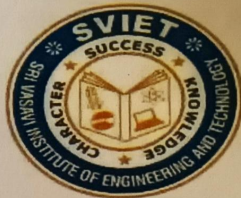# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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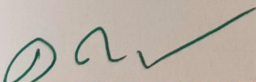Nandamuru, Pedana(M)-521369, Krishna Dist, Andhra Pradesh
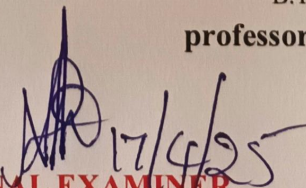
2021-2025

... Empowering Minds

CERTIFICATE

This is to certify that the project report entitled " FORGERY DETECTION USING DEEP LEARNING AND COMPUTER VISION TECHNIQUES FOR SIGNATURE VERIFICATION" is a Bonafide work carried out by M.Anjali (21MQ1A0514), CH.D.V Naga Bharathi(21MQ1A0507), L.Sunny Kumar (21MQ5A0514), B.SaiManikanta (22MQ5A0506). Under the guidance and supervision in partial fulfillment of the requirements for the award of degree of B.Tech in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada .The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

HEAD OF THE DEPARTMENT

Dr B.R.S Reddy
M.Tech, PhD
Professor & Principal

Dr.G.Syam Prasad
B.Tech, M.Tech , PhD
professor & HOD

17/4/25

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Nandamuru, Pedana(M)-521369, Krishna Dist, Andhra Pradesh.

2021-2025

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CERTIFICATE

This is to certify that the project report entitled" **HEPACARE -AI POWERED LIVER DISEASE PREDICTION AND RISK STRATIFICATION USING ADVANCED MACHINE LEARNING ALGORITHMS**" is a Bonafide work carried out by **R. RAGA NAGA SARADA (21MQ1A0526), M .GEETHIKA (21MQ1A0583), B.UPENDRA (21MQ1A05B9), M.NIVAS (21MQ1A0553).** Under the guidance and supervision in partial fulfillment of the requirements for the award of degree of **B. Tech** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada.** The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

Dr. G. Syam Prasad

B.Tech., M.Tech., Ph.D.

Professor &HOD

HEAD OF THE DEPARTMENT

Dr.G. Syam Prasad

B.Tech., M.Tech., Ph.D.

Professor & HOD

17/4/25

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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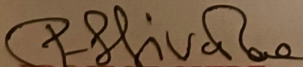### Nandamuru ,Pedana (M)-521369,Krishna Dist,Andhra Pradesh.
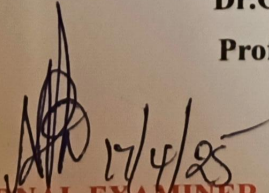
2021-2025

... Empowering Minds

CERTIFICATE

This is to certify that the project report entitled " **PHARMA FLOW MEDICINE SEARCHING AND STORE LOCATING SYSTEM**" is a bonafide Work carried out by **G.Charitha (21MQ1A05 73) ,P.Venkata Durgarao (22MQ5A0517),M.Aruna kumari (22MQ5A0510), R.Harish(22MQ5A0509).** Under the guidance and Supervision in partial fulfillment of the requirements for the award of degree of **B. Tech** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada** .The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

Dr.P.SAMBA SIVARAO
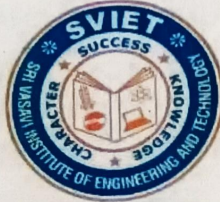M.Tech., Ph.D.
Associate Professor

HEAD OF THE DEPARTMENT

Dr.G.SYAM PRASAD
B.Tech.,M.Tech., Ph.D.
Professor & HOD

17/4/25

EXTERNAL EXAMINER

... *Empowering Minds*

CERTIFICATE

This is to certify that the project report entitled **"COLLEGE STUDENT NETWORKING PLATFROM USING FLUTTER"** is a Bonafide Work Carried Out By. S.Rakesh Kumar (21MQ1A05B5), MD.Ruhina Banu (21MQ1A0520),D.Vinod Gopi (21MQ1A0542), M.Tanuja (21MQ1A0516).Under The Guidance And Supervision In Partial Fulfillment Of The Requirements For The Award Of Degree Of B. Tech in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada .The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

S.V.C.Gupta
M.Tech.(Ph.D)
Professor

HEAD OF THE DEPARTMENT

Dr.G.Syam Prasad
B.Tech.,M.Tech.,Ph.D.
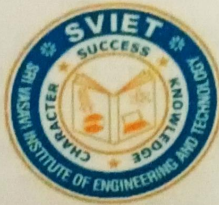**Professor & HOD**

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Nandamuru, Pedana(M)-521369, Krishna Dist, Andhra Pradesh.

2021-2025

... *Empowering Minds*

CERTIFICATE

This is to certify that the project report entitled" **PREDICING FLIGHT DELAYS WITH ERROR CALCULATION USING MACHINE LEARNING**" is a bonafide Work carried out by **G Lakshmi Pravallika(21MQ1A0510), R Sravani(21MQ1A0527), K Srinivas (21MQ1A05A6), A Yogeswar(21MQ1A0536).** Under the guidance and supervision in partial fulfillment of the requirements for the award of degree of **B. Tech** in **Computer Science and Engineering from Jawaharlal Nehru** Technological University, Kakinada.The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.
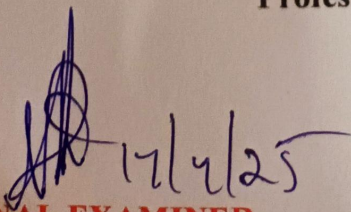
PROJECT GUIDE

N Anil Kumar
B.Tech., M.Tech
Associate Professor

HEAD OF THE DEPARTMENT

Dr.G. Syam Prasad
B. Tech., M.Tech.,Ph. D
Professor & HOD

17/4/25

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

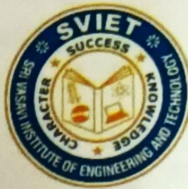## SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Nandamuru, Pedana(M)-521369, Krishna Dist, Andhra Pradesh.

2021-2025

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CERTIFICATE

This is to certify that the project report entitled "**Personalised financial management using machine learning**" is a bonafide work carried out by **K.Padmavathi(21MQ1A0512), CH.R.P.Ramudu(21MQ1A0540), B.Pujitha(21MQ1A0505), V.Harshith(21MQ1A05B8).** Under the guidance and supervision in partial fulfilment of the requirements for the award of degree of **B. Tech** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada**. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

SK.Ahmed Mohiddin

B. Tech., MTech.

Associate Professor

HEAD OF THE DEPARTMENT

Dr. G. Syam Prasad

B.Tech.,M.Tech.,Ph.D.

Professor & HOD

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

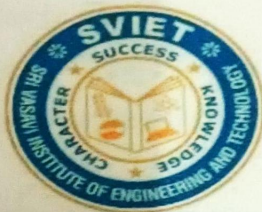## SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Nandamuru, Pedana(M)-521369, Krishna Dist, Andhra Pradesh

2021-2025

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CERTIFICATE

This is to certify that the project report entitled " IMPLEMENTING A CAREER GUIDANCE PLATFROM BUILT WITH DJANGO " is a Bonafide work carried out by M.Pallavi (21MQ1A0517), D.Tejaswini (21MQ1A0509), P.Daniel (21MQ1A05B2), S.Mahesh (22MQ5A0518). Under the guidance and supervision in partial fulfillment of the requirements for the award of degree of B. Tech in Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada .The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

Md.Ahmed

B.Tech.,M.Tech.,(Ph.D)

Assistant Professor

HEAD OF THE DEPARTMENT

Dr.G.Syam Prasad

B.Tech.,M.Tech.,Ph.D.

Professor & HoD

17/4/25

EXTERNAL EXAMINER

... *Empowering Minds*

CERTIFICATE

This is to certify that the project report entitled **"Earthquake prediction using ML tecahniques"** is a bonafide work carried out by **K.Durganjaneya Gowd (21MQ1A05A1), P.Durga Manasa (21MQ1A0524), B.S.S.R.Phanindra (22MQ5A0512), and P.Vanitha Vasavi (21MQ1A0587)** under the guidance and supervision, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology (B.Tech)** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada**. The results embodied in this project report have not been submitted to any other university or institute for the award of any degree or diploma.

PROJECT GUIDE

M R Krishna Rao Veeranki

B.Tech,M.Tech.

Assistant Professor

HEAD OF THE DEPARTMENT

Dr.G.Syam Prasad

B.Tech.,M.Tech.,Ph.D

Professor & HOD

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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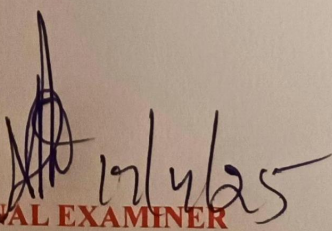
Nandamuru, Pedana(M)-521369, Krishna Dist, AndhraPradesh.

2021-2025

CERTIFICATE

This is to certify that the project report entitled **"REAL TIME WEB CHAT APPLICATION USING WEBSOCKET IN DJANGO"** is a bonafide work carried out by **Sk Sony(21MQ1A0529), G N Venkata Charmi(21MQ1A0569), Y.Madhu Pavan(22MQ5A0519), D.Omkar Sri Surya Teja (20MQ1A0542).** Under the guidance and supervision in partial 2ulfilment of the requirements for the award of degree of B.Tech in Computer Science and Engineering from Jawaharlal Nehru Technological **University, Kakinada.** The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

B.Indra Devi
M.Tech(Ph.D)
Assistant Professor

HEAD OF THE DEPARTMENT

Dr.G.Syam Prasad
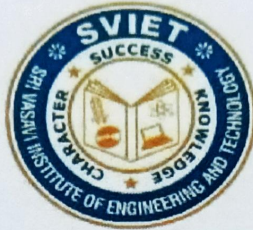B.Tech.,M.Tech.,Ph.D
Professor & HOD

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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2021-2025

CERTIFICATE

This is to certify that the project report entitled "**Heart Rate Anomaly Detection And Prediction Using Machine Learning**"isa Bonafide work carried out by **V.UshaSri (22MQ5A0504), Ch.UdayKumar (21MQ1A0541), B.BhavyaSri (21MQ1A0564), K.Nani(21MQ1A05A3)** Under the guidance and supervision inpartial fulfillment of the requirements for the award of degree of **B. Tech** in **Computer Science andEngineering** from **Jawaharlal Nehru Technological University, Kakinada** .The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE
P.Ashok Kumar
M.Tech
Assistant Professor

HEAD OF THE DEPARTMENT
Dr.G.SyamPrasad
B.Tech, M.Tech, Ph.D
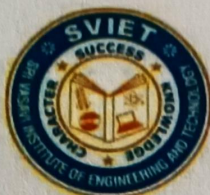**Professor & HOD**

17/4/25

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

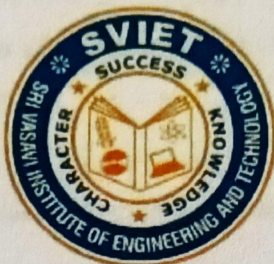## SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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2021-2025

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CERTIFICATE

This is to certify that the project report entitled "ANALYSIS OF NEGATIVE COMMENT THROUGH TWITTER USING MACHINELEARNING" is a bonafide work carried out M. Jhansi (21MQ1A0518), K. Naga Priyanka (21MQ1A0511), T. Venkateswararao (21MQ1A05B6), Y. Ramesh Sai Kumar(21MQ1A0561) under the guidance and supervision in partial fulfilment of the requirements for the award of degree of B.Tech in Computer Science and Engineering from Jawaharlal Nehru Technological University Kakinada. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

K.Venkateswara Rao
M.Tech (Ph.D)
Assistant Professor

HEAD OF THE DEPARTMENT

Dr.G.Syam Prasad
B.Tech.,M.Tech.,Ph.D
Professor & HOD

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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2021-2025

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CERTIFICATE

This is to certify that the project report entitled **"Stock market monitoring and price prediction using LSTM and time series analysis for investment decision support"** is a bonafide work carried out by **T. Raja(21MQ1A05B7),V.S. Sowjanya Durga (22MQ5A0505), P. Vijay Kumar(21MQ1A05A9), B. Jaswanthi(21MQ1A0565).** Under the guidance and supervision in partial fulfilment of the requirements for the award of degree of **B. Tech** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada**. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.
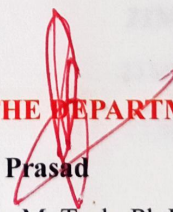
PROJECT GUIDE

M. MadhusudhanaRao

Assistant Professor

HEAD OF THE DEPARTMENT

Dr. G. Syam Prasad

B. Tech, M. Tech, Ph.D.

Professor & HOD

EXTERNAL EXAMINER 17/9/25

2

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
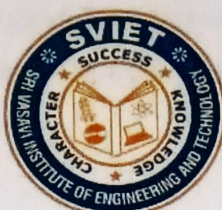
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Nandamuru, Pedana(M)-521369, Krishna Dist, Andhra Pradesh.

2021-2025

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CERTIFICATE

This is to certify that the project report entitled " FOOD NUTRITION ANALYSIS USING DEEP LEARNING " is a Bonafide work carried out by **S. Aiswarya Ravi sankar (21MQ1A0530), V.Mahathi Priya(21MQ1A0593),K.Jagadish(21MQ1A05A2),K.Srinadh Kumar(21MQ1A05A0)** Under the guidance and supervision in partial fulfillment of the requirements for the award of degree of **B. Tech** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada** .The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.
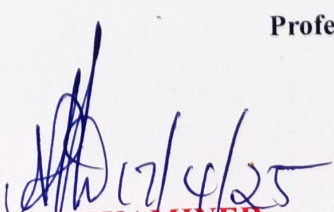
PROJECT GUIDE

G.Nancharaiah
M.Tech.
Assistant Professor

HEAD OF THE DEPARTMENT

Dr.G. Syam Prasad
B.Tech.,M.Tech.,Ph.D.
Professor & HOD

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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2021-2025

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CERTIFICATE

This is to certify that the project report entitled "**Automated Detection and Classification of Diabetic Foot Ulcers Using Machine Learning and Deep Learning Techniques**" is a bonafide work carried out by **Gowsia Begum (21MQ1A0571), P.Sai Srija(21MQ1A0522) , D.Sasi Kumar(21MQ1A0544), A.Hemanth Kumar (22MQ5A0511)**. Under the guidance and supervision in partial fulfillment of the requirements for the award of degree of **B.Tech** in **Computer Science and Engineering from Jawaharlal Nehru Technological University, Kakinada**.The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

M.Naresh Babu
M.Tech(Ph.D)
Assistant Professor

HEAD OF THE DEPARTMENT

Dr.G.Syam Prasad
B.Tech.,M.Tech.,Ph.D
Professor & HOD

EXTERNAL EXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

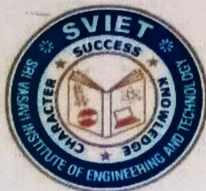## SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Kakinada An ISO 9001:2015 Certified Institute

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2021 -2025

... *Empowering Minds*

CERTIFICATE

This is to certify that the project report entitled "**WEB APPLICATION FIREWALL BASED ON MACHINE LEARNING**" is a bonafide work carried out by **Abdul Karishma (21MQ1A0501), Kona Sai Kumari (21MQ1A0513), Karra Aryan (21MQ1A0549), and Mohammad Yunus(22MQ5A0516)** under the guidance and supervision, in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology (B.Tech)** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada**. The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

D. Aruna
B.Tech,M.Tech
AssistantProfessor

HEAD OF THE DEPARTMENT

Dr.G. Syam Prasad
B.Tech,M.Tech,Ph.D
Professor&HOD

EXTERNALEXAMINER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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2021-2025

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CERTIFICATE

This is to certify that the project report entitled "Prediction of Autism Spectrum Disorder Using ML" is bonafide work carried out by Sahera Begum (21MQ1A0528), Rompicharla Gayathri (21MQ1A0588),.Padavala Alekhya (22MQ5A0502). Under the guidance and supervision in partial fulfillment of the requirements for the award of degree of **B. Tech** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Kakinada.** The results embodied in this project report have not been submitted to any other University or Institute for the award of any degree or diploma.

PROJECT GUIDE

M .Nagavamsi
B.Tech., M.Tech.,(Ph.D).
Assistant Professor

HEAD OF THE DEPARTMENT

Dr.G.Syam Prasad
B.Tech., M.Tech., Ph.D.
Professor & HOD

EXTERNAL EXAMINER 17/4/25