

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Affiliated to JNTUK, Kakinada and Approved by AICTE, New Delhi)

(An ISO 9001:2015 certified institute)

Accredited By NAAC 'A' Grade & NBA

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



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CERTIFICATE

This is to certify that the project part-I report entitled “**QCA Based Cost-efficient Code Converter with Temperature Stability**” is being submitted by **A.Rani (20MQ5A0434)**, **S.Teena Sri (20MQ5A0437)**, **B.Bala Subrahmanyam (20MQ5A0419)**, **P.S.V.V.Sirisha (19MQ1A0448)**. In partial fulfillment for the award of degree of Bachelor of Technology in Electronics and Communication Engineering from **Sri Vasavi Institute of Engineering & Technology**, Nandamuru. Affiliated to the **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them under my guidance and supervision


Mr.N.NAGARAJU M.Tech

Assistant Professor
PROJECT GUIDE


Dr.B.RAGAVIAH

Head of the Department
ECE


EXTERNAL EXAMINER

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SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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CERTIFICATE

This is to certify that the thesis entitled "LFSR BASED MULTILAYERED CRYPTOGRAPHY FOR SECURITY ENHANCEMENT" being submitted by

M.P.V.N.LAKSHMI (19MQ1A0442)

B.KONDALAMMA (19MQ1A0404)

T.SAI RAMYA (19MQ1A0416)

V.N.V.S.PAVAN KUMAR(19MQ1A0428)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru**.

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.

Mr.  **MASUNEEL** M.Tech, MISTE, (Ph.D)

Associate Professor ECE

PROJECT GUIDE


Dr. B. RAGHAVAI AH

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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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CERTIFICATE

This is to certify that the entitled "SMART ATTENDANCE SYSTEM USING FACE RECOGNITION" being submitted by

M. BHARGAVI
P. VINEELA
J. ANITHA
S. TEJASWI

19MQ1A0410
20MQ5A0433
19MQ1A0438
20MQ5A0435

In partial fulfillment of the requirements for the award of degree of B.Tech in Electronics and Communication Engineering from Jawaharlal Nehru Technological University Kakinada, Kakinada is a record of bonafide work carried out by them at SriVasavi Institute of Engineering & Technology

The results embodied in this project part-1 report have not been submitted to any other University or Institute for the award of any degree or diploma.


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Assistant Professor

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M.Tech, Ph.D.

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Nandamuru, Pedana (M)-521369, KrishnaDT, AndharaPradesh.



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CERTIFICATE

This is to certify that the thesis entitled “IOT Based Garbage Collection and Monitoring System Using Raspberry pi” is being submitted by

A.Nikhila Gayathri

19MQ1A0430

S. Lakshmi Prasanna

20MQ5A0436

V. Himasri

20MQ5A0444

K.B.L. Phani Kumar

19MQ1A0453

In partial fulfillment of there requirements for the award of degree of **B.Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at **Sri Vasavi Institute Of Engineering &Technology, Nandamuru.**

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PROJECT GUIDE
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Dr.B.RAGHAVAIH

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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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CERTIFICATE

This is to certify that the thesis entitled "16-BIT VEDIC MULTIPLIER" being submitted by

G. N.V. SUSHMA (19MQ1A0435)


A. SAI SOWMYA (19MQ1A0401)

P.NAGA SAILAJA (20MQ5A0432)

P.MANIBABU (20MQ5A0450)

In partial fulfillment of the requirements for the award of the degree of B. Tech in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at Sri Vasavi Institute of Engineering & Technology, Nandamuru.

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.


Mr. K. SAI SUDHEER
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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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CERTIFICATE

This is to certify that the thesis entitled "HIGH-SPEED AREA-EFFICIENT VLSI ARCHITECTURE OF THREE-OPERAND BINARY ADDER" being submitted by

N. TEJASWI (19MQ1A0444)

P. RAMYA BHARGAVI (19MQ1A0413)

B. AKHILA (20MQ5A0457)

K. DEEPTHI SAI DURGA (19MQ1A0439)

In partial fulfillment of the requirements for the award of the degree of B. Tech in Electronics and Communication Engineering from Jawaharlal Nehru Technological University Kakinada, a record of bonafide work carried out by them at Sri Vasavi Institute of Engineering & Technology, Nandamuru.

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.


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CERTIFICATE

This is to certify that the thesis entitled "**SMART ANTI-THEFT ATM SECURITY SYSTEM USING RASPBERRY PI**" being submitted by

M.AKHILA (19MQ1A0409)

P.V.K.SUBRAHMANYAM (20MQ5A0448)

B.HEMA (20MQ5A0405)

J.SAI PRASANNA (19MQ1A0437)

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The results embodied in this project Part-1 report have not been submitted to any other university or institute for the award of any degree or diploma.


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CERTIFICATE

This is to certify that the entitled " SMART SECURITY & CONTROL WITH OPEN CV USING RASPBERRY PI " is being submitted by

V.VENNELA

20MQ5A0441

M.J.N.V.DEEPIKA

19MQ1A0441

V.BHAVANI

20MQ5A0440

U.DIVYA

20MQ5A0439

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The results embodied in this Project Part-I report have not been submitted to any other University or Institute for the award of any degree or diploma.


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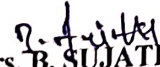
This is to certify that the thesis entitled "**HOME AUTOMATION SYSTEM USING
BLUETOOTH AND MOBILE APPLICATION**" is being submitted by

P. PRASANNA SRAVANI
N. SOMA PRIYA
B. KEERTHI
M. RAMYA SRI


19MQ1A0414
20MQ5A0430
19MQ1A0402
19MQ1A0440

In partial fulfilment of the requirements for the award of degree of **B.Tech in Electronics and Communication Engineering** from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at Sri Vasavi Institute of Engineering and Technology, Nandamuru.

The results embodied in this Project Part I report have not been submitted to any other University or Institute for the award of any degree or diploma.


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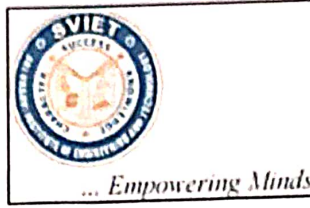
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CERTIFICATE

This is to certify that the thesis entitled "SMART ELECTRIC FENCE WITH AUTOMATIC IRRIGATION SYSTEM" being submitted by

B.SIRISHA (20MQ5A0402)


P.V BHANU PRASANNA (19MQ1A0412)


B.VENU MADHAVI (20MQ5A0403)


MD.MUNEER (19MQ1A0425)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru.**

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.


MR. RAMAKRISHNA PARAMAHAMSA
M.Tech, Associate Professor,
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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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CERTIFICATE

This is to certify that the thesis entitled "**DEVELOPMENT OF SOLDIERS TRACKING AND HEALTH MONITORING SYSTEM**" being submitted by

M.LAVANYA(20MQ5A0417)

J.KUMAR SWAMY(20MQ5A0426)

P. NAGA YASWANTH (19MQ1A0427)

G.GAYATHRI(19MQ1A0434)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru**.

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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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CERTIFICATE

This is to certify that the thesis entitled **"DEVELOPMENT OF SOLDIERS TRACKING AND HEALTH MONITORING SYSTEM"** being submitted by

M.LAVANYA(20MQ5A0417)

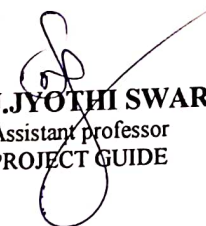
J.KUMAR SWAMY(20MQ5A0426)


P. NAGA YASWANTH (19MQ1A0427)

G.GAYATHRI(19MQ1A0434)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru**.

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Mr. J. JYOTHI SWAROOP
Assistant professor
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CERTIFICATE

This is to certify that the thesis entitled "Novel Memristor-Based NonVolatile D latch and Flip-flop Designs " being submitted by

B.Shanmukha sai (19MQ1A0451)

S.Vijaya (19MQ1A0415)

Ch.Hema (19MQ1A0406)

D.V.Jaya Surya (20MQ5A0423)

In partial fulfillment of the requirements for the award of the degree of B. Tech in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at Sri Vasavi Institute of Engineering & Technology, Nandamuru.

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Mr. D. SRIDHAR M. Tech.(Ph.D)

Associate Professor

Project GUIDE

Dr. B. Raghavaiah

HEAD OF THE DEPARTMENT

ECE

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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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CERTIFICATE

This is to certify that the thesis entitled "**Vehicle Theft Intimation over SMS and Remote Control of its Engine**" being submitted by

K.NITEESH (20MQ5A0427)


G.L.SAI KUMAR (20MQ5A0425)

A.KAVAYA SRI (19MQ1A0431)

K.K.L.V.S.KIRAN (19MQ1A0424)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru**.

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Mr. K. Sai Sudheer
Assistant Professor
PROJECT GUIDE


Dr. B. RAGHAVAIAH
HEAD OF THE DEPARTMENT
ECE


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CERTIFICATE

This is to certify that the thesis entitled "DESIGN AND DEVELOPMENT
OF FIRE SAFETY SYSTEM" being submitted by

L.RAKESH BABU(19MQ1A0454)

D.SRAVANKISHORE(19MQ1A0452)

B.DHANUSH(19MQ1A0418)

K.NIKHIL SAI(19MQ1A0422)

In partial fulfillment of the requirements for the award of the degree of **B. Tech**
in Electronics and Communication Engineering from **Jawaharlal Nehru Technological
University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi
Institute of Engineering & Technology, Nandamuru.**

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other university or institute for the award of any degree or diploma.

Mr M. SIVAJI
Assistant Professor
PROJECT GUIDE

DR. B .RAGHAVAIH
HEAD OF THE DEPARTMENT
ECE

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

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CERTIFICATE

This is to certify that the thesis entitled "**A Low-Power and High-Accuracy Approximate Multiplier With Reconfigurable Truncation**" being submitted by

P.LV.N. GOWTHAM (19MQ1A0459)

P.NAVYA (19MQ1A044)

K.V.B.BHAGYA LAKSHMI

MD ABBAS MUBARAK PASHA

(20MQ5A0413)

(20MQ5A0445)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru**.

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D. Sridhar

Mr. D. SRIDHAR M. Tech (PhD)

Associate Professor

PROJECT GUIDE

DR. B. Raghavaiah

HEAD OF THE DEPARTMENT ECE

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This is to certify that the thesis entitled "**OTP BASED SECURITY SYSTEM**" being submitted by


Y. SHANMUKHA TRISULA PANI (19MQ1A0461)

P. KRISHNA HYNDAV (19MQ1A0457)

K. RUPA DEVI (20MQ5A0414)

B. DHEERA VENKATA SAI (20MQ5A0420)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru**. 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.


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

Assistant professor

PROJECT GUIDE


DR. B. RAGHAVAIH M.Tech,Ph.D

Head of theDepartment

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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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This is to certify that the thes is entitled "**SKIN DISEASE DETECTION USING IMAGE U
PROCESSING**" being submitted by

J.DEEPTHI (20MQ5A0410)
MD.RBBANI(20MQ5A0447)

G.VARSHA (19MQ1A0436)
A.ANUDEEP (19MQ1A0417)

In partial fulfillment of the requirements for the award of the degree of **B. Tech** in Electronics and Communication Engineering from **Jawaharlal Nehru Technological University Kakinada**, a record of bonafide work carried out by them at **Sri Vasavi Institute of Engineering & Technology, Nandamuru**.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.


Mr.C.PAKKIRIAH M.Tech

Assistant professor

PROJECT GUIDE


DR.B.RAGHAVAIAH M.Tech,PhD

Head of the Department

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19.11.22

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(Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada)
Nandamuru, Pedana Mandal, Krishna Dt, A.P.



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CERTIFICATE


This is to certify that the thesis entitled "**A Reliable Approach to Secure IoT Systems Using Cryptosystems Based on SoC FPGA Platforms**" is being submitted by

CH. Sri Naga Chandrika
D. N.V.D.V. Prasad
R. William Raju
B. Poojitha

20MQ5A0407
20MQ5A0422
20MQ5A0451
19MQ1A0405

in partial fulfillment of the requirements for the award of degree of B.Tech in Electrical and Electronics Engineering from **Jawaharlal Nehru Technological University Kakinada** is a record of bonafide work carried out by them at Sri Vasavi Institute of Engineering & Technology.

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.


Ms. K. N. Divya Bhargavi M. Tech
Assistant Professor
Project Guide


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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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This is to certify that the thesis entitled **“IOT BASED SOUND AND AIR POLLUTION MONITORING SYSTEM USING RASPBERRY PI Pico”** being submitted by

T. HEMASREE (19MQ1A0450)

I. LAKSHMI (20MQ5A0416)

A. VINAY (20MQ5A0418)

P. KAVYA (19MQ1A0445)

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Mr. M. SUNEEL M.Tech, MISTE, (Ph.D)

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Nandamuru, Pedana Mandal - 521369, Krishna Dt., Andhra Pradesh.



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This is to certify that the thesis entitled "**DESIGN OF 32 BIT BRENT KUNG ADDER
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The results embodied in this project part-1 report have not been submitted to any other university or institute for the award of any degree or diploma.


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