



MSR PROJECTS

(AN SSI CERTIFIED INSTITUTION)

TRAINING

| DEVELOPMENT

| PLACEMENTS

BT/ECE/MSR1057

Date: 26 /12/2018

CERTIFICATE

This is to certify that the major project report titled “**The design of longitudinal and lateral Auto for Tactical missile**” was submitted by students of Kandula Srinivasula Reddy Memorial College of Engineering(KSRMCE, KADAPA, A.P.)

| | |
|------------------------|-----------------------|
| 1. N.V.Arun | (Roll No: 159Y1A0492) |
| 2. N. Leela Manohar | (Roll No: 169Y1A0459) |
| 3. P.Haneesha | (Roll No: 169Y1A0456) |
| 4. P. Venkata Kavya | (Roll No: 169Y1A0411) |
| 5. K. Prasanna Lakshmi | (Roll No: 169Y1A0418) |

During the Project period from **17/01/2019 to 18/02/2019** the above students were found to be sincere and hardworking and also took keen interest in the work allied to their project work.

Regards,
Project Incharge



D.MAHESWARA REDDY
MSR PROJECTS



MSR PROJECTS

(AN SSI CERTIFIED INSTITUTION)

TRAINING

| DEVELOPMENT

| PLACEMENTS

BT/ECE/MSR1058

Date: 26 /12/2018

CERTIFICATE

This is to certify that the major project report titled “**Image Dehazing Method By fusing Weighted near infrared Image**” was submitted by students of Kandula Srinivasula Reddy Memorial College of Engineering (KSRMCE, KADAPA, A.P.)

1.G. Ramya Sai

(Roll No: 159Y1A0441)

2.D. Mamatha

(Roll No: 159Y1A0432)

3. D. Sailaja

(Roll No: 159Y1A0430)

4. D. Praveen Kumar

(Roll No: 159Y1A0431)

5. C.V. Ravi Kiran

(Roll No: 159Y1A0428)

During the Project period from **18/02/2019 to 17/03/2019** the above students were found to be sincere and hardworking and also took keen interest in the work allied to their project work.

Regards,
Project Incharge



D.MAHESWARA REDDY
MSR PROJECTS



MSR PROJECTS

(AN SSI CERTIFIED INSTITUTION)

TRAINING

| DEVELOPMENT

| PLACEMENTS

BT/ECE/MSR1059

Date:28 /12/2018

CERTIFICATE

This is to certify that the major project report titled “**SMART GLOVES FOR THE CONVERSION OF SIGNS TO SPEECH**“ was submitted by students of Kandula Srinivasula Reddy Memorial College of Engineering (KSRMCE, KADAPA, A.P.)

| | |
|-------------------------|-----------------------|
| 1. N. Krishna veni | (Roll No: 159Y1A0494) |
| 2.P. Asif Ali Khan | (Roll No: 159Y1A04A3) |
| 3. M. Tarun Kumar Naidu | (Roll No: 159Y1A0476) |
| 4. N. Thrinath Reddy | (Roll No: 159Y1A0490) |
| 5. Fazil Ahamad | (Roll No: 159Y1A0461) |
| 6. K.S.Karimulla | (Roll No: 159Y1A0458) |

During the Project period from **20/02/2019 to 19/03/2019** the above students were found to be sincere and hardworking and also took keen interest in the work allied to their project work.

Regards,
Project Incharge

D.MAHESWARA REDDY
MSR PROJECTS



MSR PROJECTS

(AN SSI CERTIFIED INSTITUTION)

TRAINING | SKILL DEVELOPMENT | EMPLOYMENT PLACEMENTS

BT/ECE/MSR1061

Date:28 /12/2017

CERTIFICATE

This is to certify that the major project report titled “**EAR BASED SEGMENTATION AND AUTHENTICATION USING ACTIVE CONTOUR ALGORITHM**“ was submitted by students of Kandula Srinivasula Reddy Memorial College of Engineering (KSRMCE, KADAPA, A.P.)

1. M. Deva Sree
2. N. Tejeswari
3. M. Sireesha
4. K. Pranathi

(Roll No: 149Y1A0491)
(Roll No: 149Y1A04A0)
(Roll No: 149Y1A0482)
(Roll No: 149Y1A0465)

During the Project period from **18/02/2018 to 17/03/2018** the above students were found to be sincere and hardworking and also took keen interest in the work allied to their project work.

Regards,
Project Incharge

D.MAHESWARA REDDY
MSR PROJECTS



MSR PROJECTS

(AN SSI CERTIFIED INSTITUTION)

TRAINING | SKILL DEVELOPMENT | EMPLOYMENT PLACEMENTS

BT/ECE/MSR1062

Date:29 /12/2017

CERTIFICATE

This is to certify that the major project report titled “**REAL TIME FACE DETECTION AND TRACKING**” was submitted by students of Kandula Srinivasula Reddy Memorial College of Engineering (KSRMCE, KADAPA, A.P.)

| | |
|---------------------------|-----------------------|
| 1. N. Guru Harsha Vardhan | (Roll No: 149Y1A0497) |
| 2. N. Nikhil Kumar | (Roll No: 149Y1A0499) |
| 3. K. Suresh | (Roll No: 149Y1A0457) |
| 4. N.V.L. Pavan | (Roll No: 149Y1A04A1) |
| 5. M. Chinna | (Roll No: 149y1A0476) |
| 6. M. Lokesh Reddy | (Roll No: 149Y1A0488) |

During the Project period from **20/02/2018 to 19/03/2018** the above students were found to be sincere and hardworking and also took keen interest in the work allied to their project work.

Regards,
Project Incharge



D.MAHESWARA REDDY
MSR PROJECTS



MSR PROJECTS

(AN SSI CERTIFIED INSTITUTION)

TRAINING

| DEVELOPMENT

| PLACEMENTS

BT/ECE/MSR1063

Date:26 /12/2017

CERTIFICATE

This is to certify that the major project report titled “**IMAGE CRYPTOGRAPHY USING NEAREST PRIME PIXELS**” was submitted by students of Kandula Srinivasula Reddy Memorial College of Engineering (KSRMCE, KADAPA, A.P.)

1. S. Jagan Mohan Reddy
2. S. Subbarayudu
3. T. Siva Prasad Reddy
4. G. Sai Krushna Reddy
5. Y. Brahmam

(Roll No:149Y1A04D0)
(Roll No: 149Y1A04D4)
(Roll No: 149Y1A04D8)
(Roll No:159Y5A0404)
(Roll No: 159Y5A0412)

During the Project period from **17/01/2018 to 18/02/2018** the above students were found to be sincere and hardworking and also took keen interest in the work allied to their project work.

Regards,
Project Incharge

D.MAHESWARA REDDY
MSR PROJECTS

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled "Low Complexity Vlsi Design Of Large Integer Multiplier For Fully Homomorphic Encryption" is being submitted by O.SREEVANI (159Y1A0497), K.SUPRIYA (159Y1A0468), K.NAGA SUBBAREDDY (159Y1A0467), M.PHALANI KUMAR (159Y1A0479) D.GIRIDHAR REDDY (159Y1A0429) In partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019.

PROJECT GUIDE

Sri. N.NAGENDRA PRASAD, M. Tech.,
Assistant Professor
Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 7-5-2019

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled "Low Complexity Vlsi Design Of Large Integer Multiplier For Fully Homomorphic Encryption" is being submitted by O.SREEVANI (159Y1A0497), K.SUPRIYA (159Y1A0468), K.NAGA SUBBAREDDY (159Y1A0467), M.PHALANI KUMAR (159Y1A0479) D.GIRIDHAR REDDY (159Y1A0429) In partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING** and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019.

PROJECT GUIDE

Sri. N.NAGENDRA PRASAD, M. Tech.,
Assistant Professor
Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 7-5-2019

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

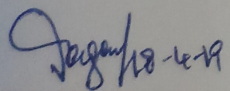
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



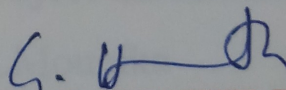
CERTIFICATE

This is to Certify that the project report entitled "**Text Detection Using MSER**" is being submitted by K. Mounika (159Y1A0465), M. Madhuri (159Y1A0478), M. Narendra (159Y1A0484), M. Saikumar (159Y1A0485), M. Sreenath (159Y1A0477), P. Rakesh (159Y1A04A0). In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuram) during the academic year 2018-2019.



PROJECT GUIDE

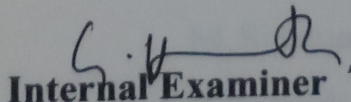
Sri. K. JAGAN MOHAN, M.Tech.,
Assistant Professor
Dept. of ECE

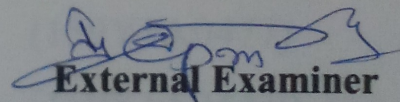


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 07-05-2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled "**Text Detection Using MSER**" is being submitted by K. Mounika (159Y1A0465), M. Madhuri (159Y1A0478), M. Narendra (159Y1A0484), M. Saikumar (159Y1A0485), M. Sreenath (159Y1A0477), P. Rakesh (159Y1A04A0). In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuram) during the academic year 2018-2019.

PROJECT GUIDE

Sri. K. JAGAN MOHAN , M.Tech.,
Assistant Professor
Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 07-05-2019

Internal Examiner
External Examiner

K.S.R.M COLLEGE OF ENGINEERING , KADAPA

(Approved by AICTE, New Delhi & Affiliated to JNTU Anantapuram)
(Accredited by National Board of Accreditation (NBA), Naac New Delhi)
(An ISO 9001:2000 Certified Institution)

KADAPA- 516003(A.P)

2018 – 2019

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**MORSE CODE TRANSMITTER BY USING NI My DAQ**” is a bonafide record of project work done by

| | |
|-------------------|--------------|
| Y. CHANDRAKALA | (159Y1A04E4) |
| V. REDDY KIRAN | (159Y1A04D7) |
| S. AFREEN | (159Y1A04C4) |
| C. SWAPNA | (169Y5A0401) |
| S. MAHAMMAD AZEED | (159Y1A04C6) |

In Partial fulfillment of the requirements for the award of degree of

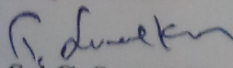
BACHELOR OF TECHNOLOGY

IN

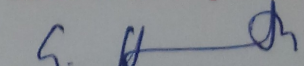
ELECTRONICS AND COMMUNICATION ENGINEERING

During the year 2018 – 2019.

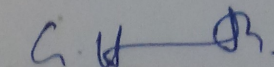
Project Guide:

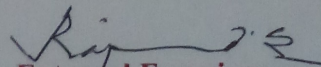

Sri G. Suneel Kumar M.Tech.,
Assistant Professor
Department of E.C.E

Head of the Department:


Dr. G. Hemalatha M.Tech., Ph.D., MISTE, FIE
Professor
Department of E.C.E

Date: 06-05-2019


Internal Examiner


External Examiner

K.S.R.M COLLEGE OF ENGINEERING , KADAPA

(Approved by AICTE, New Delhi & Affiliated to JNTU Anantapuram)
(Accredited by National Board of Accreditation (NBA), Naac New Delhi)
(An ISO 9001:2000 Certified Institution)

KADAPA- 516003(A.P)

2018 – 2019

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project report entitled “**MORSE CODE TRANSMITTER BY USING NI My DAQ**” is a bonafide record of project work done by

| | |
|-------------------|--------------|
| Y. CHANDRAKALA | (159Y1A04E4) |
| V. REDDY KIRAN | (159Y1A04D7) |
| S. AFREEN | (159Y1A04C4) |
| C. SWAPNA | (169Y5A0401) |
| S. MAHAMMAD AZEED | (159Y1A04C6) |

In Partial fulfillment of the requirements for the award of degree of

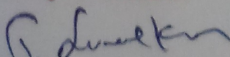
BACHELOR OF TECHNOLOGY

IN

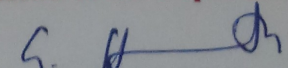
ELECTRONICS AND COMMUNICATION ENGINEERING

During the year 2018 – 2019.

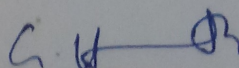
Project Guide:

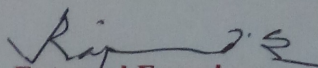

Sri G. Suneel Kumar M.Tech.,
Assistant Professor
Department of E.C.E

Head of the Department:


Dr. G. Hemalatha M.Tech., Ph.D., MISTE, FIE
Professor
Department of E.C.E

Date: 06-05-2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA University, ANANTAPURAMU)

(Accredited by Assessment and Accreditation Council (NAAC), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled **"Reconstruction of Single Image from Multiple Blurry Measured Images"** is being submitted by **A. BHARGAVI (159Y1A0407), C. MANASA (159Y1A0420), C. PRATIBA(159Y1A0427), C. VIJAYA LAKSHMI(159Y1A0424)**, In partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY"** in **"ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019.

PROJECT GUIDE

A.V. Bhasha 20/4/19

Sri A. VALLI BHASHA, M. Tech, (Ph. D.)

Assistant Professor

Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D.

Professor & H.O.D

Dept. of ECE

Date:

8/5/19

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA University, ANANTAPURAMU)

(Accredited by Assessment and Accreditation Council (NAAC), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled **"Reconstruction of Single Image from Multiple Blurry Measured Images"** is being submitted by **A. BHARGAVI (159Y1A0407), C. MANASA (159Y1A0420), C. PRATIBA(159Y1A0427), C. VIJAYA LAKSHMI(159Y1A0424)**, In partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY"** in **"ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019.

PROJECT GUIDE

A.V. Bhasha 20/4/19

Sri A. VALLI BHASHA, M. Tech, (Ph. D.)

Assistant Professor

Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D.

Professor & H.O.D

Dept. of ECE

Date:

8/5/19

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

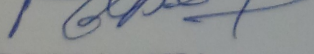
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)
(Accredited by NAAC, New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA – 516 003 (A.P.)

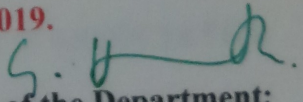
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



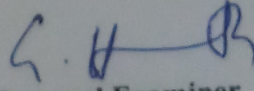
CERTIFICATE

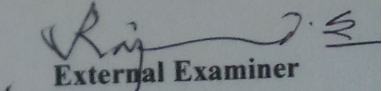
This is to certify that the project report entitled “AN EFFICIENT VLSI ARCHITECTURE FOR CONVOLUTION BASED DWT USING MAC”, is being submitted by T.MOUNIKA(159Y1A04D5), P. SIVA BHASKAR REDDY (159Y1A04B0), Y. VISHNU (159Y1A04E1), P. DINESH KUMAR (159Y1A04A9), Y. SIVA KUMAR (169Y5A0407) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa, affiliated to JNTUA, Anantapuramu in partial fulfillment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the work carried out by them under our supervision during the period 2018-2019.

Project Guide: 
Sri Md. MAHABOOB PASHA, M. Tech., (Ph.D.),
Assistant Professor,
Dept. of E.C.E


Head of the Department:
Dr. G. HEMALATHA, M. Tech., Ph.D.,
Professor & HOD,
Dept. of E.C.E

Date: 06-05-2019


Internal Examiner


External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

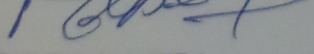
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)
(Accredited by NAAC, New Delhi)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA – 516 003 (A.P.)

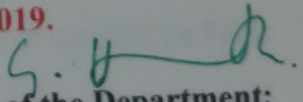
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



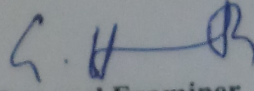
CERTIFICATE

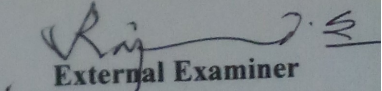
This is to certify that the project report entitled “AN EFFICIENT VLSI ARCHITECTURE FOR CONVOLUTION BASED DWT USING MAC”, is being submitted by T.MOUNIKA(159Y1A04D5), P. SIVA BHASKAR REDDY (159Y1A04B0), Y. VISHNU (159Y1A04E1), P. DINESH KUMAR (159Y1A04A9), Y. SIVA KUMAR (169Y5A0407) to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa, affiliated to JNTUA, Anantapuramu in partial fulfillment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONICS AND COMMUNICATION ENGINEERING” is a bonafide record of the work carried out by them under our supervision during the period 2018-2019.

Project Guide: 
Sri Md. MAHABOOB PASHA, M. Tech., (Ph.D.),
Assistant Professor,
Dept. of E.C.E


Head of the Department:
Dr. G. HEMALATHA, M. Tech., Ph.D.,
Professor & HOD,
Dept. of E.C.E

Date: 06-05-2019


Internal Examiner


External Examiner

K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur)

Accredited by NAAC of UGC

An ISO 9001:2015 Certified Institution

KADAPA – 516003(A.P)

2018 – 2019

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE



This is to certify that the Project Report entitled “**LEARNING A SINGLE CONVOLUTIONAL SUPER RESOLUTION NETWORK FOR MULTIPLE DEGRADATIONS**” is the bona fide work done by Y. SRI LAVANYA (159Y1A04E5), Y. VASUNDARA (159Y1A04E2), S. NIRMALA (159Y1A04D0), R. MALLIKARJUNA REDDY (169Y5A0405), K. MAHIJA (169Y5A0402), Department of Electronics & Communication Engineering, K.S.R.M. College of Engineering, Kadapa in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS & COMMUNICATION ENGINEERING** during the year 2018-2019.

GUIDE *A.V. Bhasha* 20/4/2019

Sri A. VALLI BHASHA, M.Tech.,(Ph.D.)

Assistant Professor

G. H. Hemalatha
Head of the Department

Dr. G. HEMALATHA, M.Tech., Ph.D.

Professor & HOD

Date 6/5/19

G. H. Hemalatha
Internal Examiner

Raj
External Examiner

K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur)

Accredited by NAAC of UGC

An ISO 9001:2015 Certified Institution

KADAPA – 516003(A.P)

2018 – 2019

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

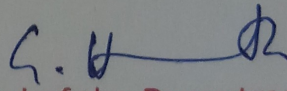


This is to certify that the Project Report entitled “**LEARNING A SINGLE CONVOLUTIONAL SUPER RESOLUTION NETWORK FOR MULTIPLE DEGRADATIONS**” is the bona fide work done by Y. SRI LAVANYA (159Y1A04E5), Y. VASUNDARA (159Y1A04E2), S. NIRMALA (159Y1A04D0), R. MALLIKARJUNA REDDY (169Y5A0405), K. MAHIJA (169Y5A0402), Department of Electronics & Communication Engineering, K.S.R.M. College of Engineering, Kadapa in partial fulfilment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS & COMMUNICATION ENGINEERING** during the year 2018-2019.

GUIDE A.V. Bhasha 20/4/2019

Sri A. VALLI BHASHA, M.Tech.,(Ph.D.)

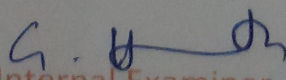
Assistant Professor

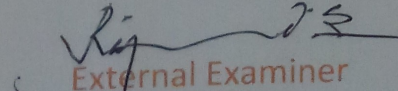

Head of the Department

Dr. G. HEMALATHA, M.Tech., Ph.D.

Professor & HOD

Date 6/5/19


Internal Examiner


External Examiner

K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

(Accredited by NAAC & NBA, New Delhi)

(An ISO 9001:2008 Certified Institution)

KADAPA – 516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the project entitled "SMART GLOVES FOR THE CONVESION OF SIGNS TO SPEECH", is submitted by N. KRISHNAVENI (159Y1A0494), P. ASIF ALI KHAN (159Y1A04A3), M. TARUN KUMAR NAIDU (159Y1A0476), N. THRINATH REDDY (159Y1A0490), K. FAZIL AHAMAD (159Y1A0461), K. S. KARIMULLA (159Y1A0458) in partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY in "ELECTRONICS AND COMMUNICATION ENGINEERING"** K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA and is submitted to the K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA, J.N.T.U.A., (Ananthapuramu) during the Academic year 2015-2019.

Project Guide

Sri R. V. SREEHARI, M.E.,

Associate Professor

Dept. of ECE

Head of the Department

Dr.G. HEMALATHA, M.Tech., Ph.D.,

Professor & H.O.D

Dept. of ECE

Date: 7/5/19

Internal Examiner

External Examiner

K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

(Accredited by NAAC & NBA, New Delhi)

(An ISO 9001:2008 Certified Institution)

KADAPA – 516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the project entitled "SMART GLOVES FOR THE CONVESION OF SIGNS TO SPEECH", is submitted by N. KRISHNAVENI (159Y1A0494), P. ASIF ALI KHAN (159Y1A04A3), M. TARUN KUMAR NAIDU (159Y1A0476), N. THRINATH REDDY (159Y1A0490), K. FAZIL AHAMAD (159Y1A0461), K. S. KARIMULLA (159Y1A0458) in partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY in "ELECTRONICS AND COMMUNICATION ENGINEERING"** K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA and is submitted to the K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA, J.N.T.U.A., (Ananthapuramu) during the Academic year 2015-2019.

Project Guide

Sri R. V. SREEHARI, M.E.,

Associate Professor

Dept. of ECE

Head of the Department

Dr.G. HEMALATHA, M.Tech., Ph.D.,

Professor & H.O.D

Dept. of ECE

Date: 7/5/19

Internal Examiner

External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled **"Image Dehazing Method By Fusing Weighted Near Infrared Image"** is being submitted by G. RAMYA SAI (159Y1A0441), D. MAMATHA (159Y1A0432), D. SAILAJA (159Y1A0430), D. PRAVEEN KUMAR (159Y1A0431), C.V. RAVI KIRAN (159Y1A0428) In partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY"** in **"ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

PROJECT GUIDE

Sri. P. KRISHNA TEJA YADAV, M.Tech.,
Assistant Professor
Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D.,
Professor & H.O.D
Dept. of ECE

Date: 8/5/2019

Internal Examiner

External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled **"Image Dehazing Method By Fusing Weighted Near Infrared Image"** is being submitted by G. RAMYA SAI (159Y1A0441), D. MAMATHA (159Y1A0432), D. SAILAJA (159Y1A0430), D. PRAVEEN KUMAR (159Y1A0431), C.V. RAVI KIRAN (159Y1A0428) In partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY"** in **"ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

PROJECT GUIDE

Sri. P. KRISHNA TEJA YADAV, M.Tech.,
Assistant Professor
Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D.,
Professor & H.O.D
Dept. of ECE

Date: 8/5/2019

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled **“Design and analysis of Hamming Code Encoding, Decoding and Correcting Circuits using Reversible Logic Gates”** is being submitted by **R. TANMAYI (159Y1A04B8), S. NAGA KAVITHA (159Y1A04C1), P. YAMUNA (159Y1A04A8), R. DINESH KUMAR REDDY (159Y1A04B7)**, In partial fulfillment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY”** in **“ELECTRONICS AND COMMUNICATION ENGINEERING”** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuramu)** during the academic year 2018-2019

PROJECT GUIDE

Sri. SYED ZAHIRUDDIN, M.Tech, (Ph. D)

Assistant Professor

Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D

Professor & H.O.D

Dept. of ECE

Date:

6/5/19

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled **“Design and analysis of Hamming Code Encoding, Decoding and Correcting Circuits using Reversible Logic Gates”** is being submitted by **R. TANMAYI (159Y1A04B8), S. NAGA KAVITHA (159Y1A04C1), P. YAMUNA (159Y1A04A8), R. DINESH KUMAR REDDY (159Y1A04B7)**, In partial fulfillment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY”** in **“ELECTRONICS AND COMMUNICATION ENGINEERING”** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuramu)** during the academic year 2018-2019

PROJECT GUIDE

Sri. SYED ZAHIRUDDIN, M.Tech, (Ph. D)

Assistant Professor

Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D

Professor & H.O.D

Dept. of ECE

Date:

6/5/19

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

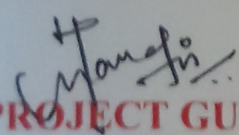
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

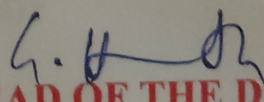


CERTIFICATE

This is to Certify that the project report entitled **"Blurriness - Guided Unsharp Masking"** is being submitted by **P. SANDEEP KUMAR REDDY (159Y1A04B5)**, **V. BHAVYA REDDY (159Y1A04E0)**, **P. SIVA KUMAR (159Y1A04B1)**, **S. AKRAM JAAVEED (159Y1A04C5)**, **S. SHAHID SAMEER (159Y1A04C7)** In partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY"** in **"ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuram)** during the academic year 2018-2019

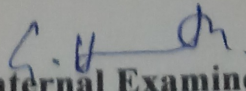

PROJECT GUIDE

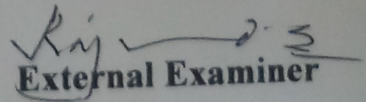
SRI S. MUNAWAR ALI, M.Tech, M.I.S.T.E.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 6-5-2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

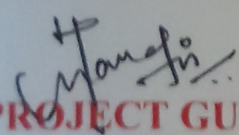
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

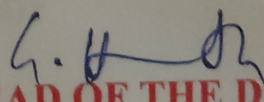


CERTIFICATE

This is to Certify that the project report entitled **"Blurriness - Guided Unsharp Masking"** is being submitted by **P. SANDEEP KUMAR REDDY (159Y1A04B5)**, **V. BHAVYA REDDY (159Y1A04E0)**, **P. SIVA KUMAR (159Y1A04B1)**, **S. AKRAM JAAVEED (159Y1A04C5)**, **S. SHAHID SAMEER (159Y1A04C7)** In partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY"** in **"ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuram)** during the academic year 2018-2019

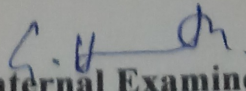

PROJECT GUIDE

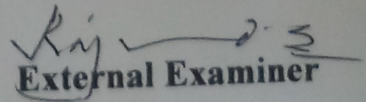
SRI S. MUNAWAR ALI, M.Tech, M.I.S.T.E.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 6-5-2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Approved by NAAC, New Delhi)

(An ISO 9001:2000 Certified Institution)

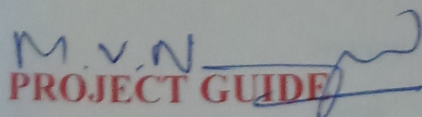
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

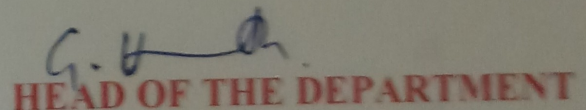


CERTIFICATE

This is to Certify that the project report entitled "**Object Classification Using Machine Learning**" is being submitted by K. PRAVEEN (159Y1A0462), K. PAVAN KUMAR REDDY (159Y1A0460), M. SATHISH KUMAR REDDY (159Y1A0474), M. JASWANTH REDDY (159Y1A0486), N. PRAVEEN Kumar (159Y1A0496) in partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY**" in "**ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

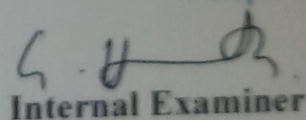

PROJECT GUIDE

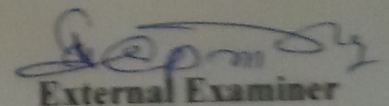
Dr. M. Venkatanarayana, Ph. D
Professor & Dean, CRI
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech, Ph. D
Professor & H.O.D
Dept. of ECE

Date: 07/5/19.


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Approved by NAAC, New Delhi)

(An ISO 9001:2000 Certified Institution)

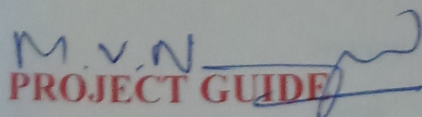
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

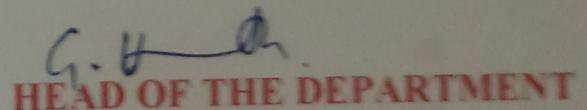


CERTIFICATE

This is to Certify that the project report entitled "**Object Classification Using Machine Learning**" is being submitted by K. PRAVEEN (159Y1A0462), K. PAVAN KUMAR REDDY (159Y1A0460), M. SATHISH KUMAR REDDY (159Y1A0474), M. JASWANTH REDDY (159Y1A0486), N. PRAVEEN Kumar (159Y1A0496) in partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY**" in "**ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

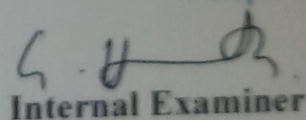

PROJECT GUIDE

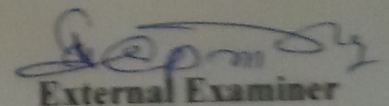
Dr. M. Venkatanarayana, Ph. D
Professor & Dean, CRI
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech, Ph. D
Professor & H.O.D
Dept. of ECE

Date: 07/5/19.


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Approved by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004, Certified Institution)

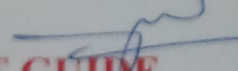
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

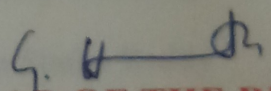


CERTIFICATE

This is to Certify that the project report entitled “**ACTIVE NOISE CONTROL USING VARIANTS OF LMS ALGORITHMS**” is being submitted by **P. MALLI KARJUNA REDDY (159Y1A04A4), P. VIKRAM SIMHA REDDITY(159Y1A0AB4), S. SUMIYA (159Y1A04C8), S. NAVEENA (159Y1A04C9) V. VIJAY MADHAV REDDY (159Y1A04D9)** In partial fulfillment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuramu)** during the academic year 2018-2019

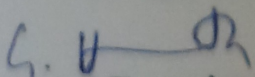

PROJECT GUIDE

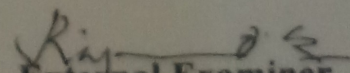
Dr. M. VENKATANARAYANA., Ph. D
Professor & Dean of CRI
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 06-05-2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Approved by NAAC, New Delhi)

(An ISO 9001:2018, 14001:2004, Certified Institution)

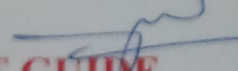
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

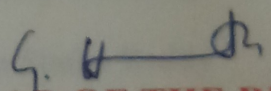


CERTIFICATE

This is to Certify that the project report entitled “**ACTIVE NOISE CONTROL USING VARIANTS OF LMS ALGORITHMS**” is being submitted by **P. MALLI KARJUNA REDDY (159Y1A04A4), P. VIKRAM SIMHA REDDITY(159Y1A0AB4), S. SUMIYA (159Y1A04C8), S. NAVEENA (159Y1A04C9) V. VIJAY MADHAV REDDY (159Y1A04D9)** In partial fulfillment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY**” in “**ELECTRONICS AND COMMUNICATION ENGINEERING**” and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuramu)** during the academic year 2018-2019

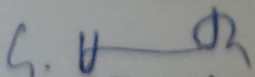

PROJECT GUIDE

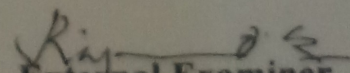
Dr. M. VENKATANARAYANA., Ph. D
Professor & Dean of CRI
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 06-05-2019


Internal Examiner


External Examiner

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA - 516 003 (A.P.)

2018-2019



CERTIFICATE

This is to certify that the project report entitled "NOTE TO COIN CONVERTER USING DIGITAL IMAGE CORRELATION TECHNIQUES IN IMAGE PROCESSING" is a bonafide project work done and submitted by A. PRUDHVI RAJ (159Y1A0403), G. NANDINI (159Y1A0439), A. KAVITHA (159Y1A0409), B. ASWANI (159Y1A0417), B. JAYAPRAKASH REDDY (159Y1A0418) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2018-2019.

GUIDE

(Signature)

Prof P. V. S. MURALIKRISHNA, M.E., (Ph.D.)
Professor,
Dept. of ECE.

HEAD OF THE DEPARTMENT:

(Signature)

Dr. G. HEMALATHA, M. Tech., Ph.D.
Professor & HOD,
Dept. of ECE.

Date:

(Signature)
Internal Examiner

(Signature)
External Examiner

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuramu)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA - 516 003 (A.P.)

2018-2019



CERTIFICATE

This is to certify that the project report entitled "NOTE TO COIN CONVERTER USING DIGITAL IMAGE CORRELATION TECHNIQUES IN IMAGE PROCESSING" is a bonafide project work done and submitted by A. PRUDHVI RAJ (159Y1A0403), G. NANDINI (159Y1A0439), A. KAVITHA (159Y1A0409), B. ASWANI (159Y1A0417), B. JAYAPRAKASH REDDY (159Y1A0418) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING J.N.T.U.A., ANANTHAPURAMU during the year 2018-2019.

GUIDE

(Signature)

Prof P. V. S. MURALIKRISHNA, M.E., (Ph.D.)
Professor,
Dept. of ECE.

HEAD OF THE DEPARTMENT:

(Signature)

Dr. G. HEMALATHA, M. Tech., Ph.D.
Professor & HOD,
Dept. of ECE.

Date:

(Signature)
Internal Examiner

(Signature)
External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)**

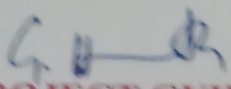
(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)
(Accredited by NAAC of UGC)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA-516003(A.P)

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

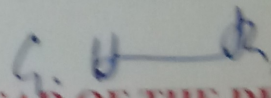


CERTIFICATE

This is to Certify that the project report entitled "**Efficient Implementations of 4-bit Burst Error Correction for Memories**" is being submitted by P.HEMALATHA (159Y1A04A7), T. SAI JYOTHI (159Y1A04D4), P.CHANDRA KANTH (159Y1A04B2), P.NARENDRA KUMAR REDDY (169Y54A0404), P.HARIKRISHNA REDDY (169Y54A0404), In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY**" in "**ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

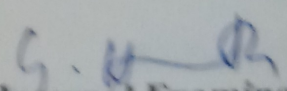

PROJECT GUIDE

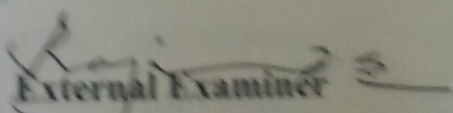
Dr. G. HEMALATHA, M. Tech., Ph. D.
Professor & H.O.D
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D.
Professor & H.O.D
Dept. of ECE

Date: 06/05/2019


Internal Examiner


External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)**

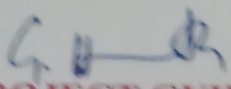
(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)
(Accredited by NAAC of UGC)
(An ISO 9001:2018, 14001:2004 Certified Institution)
KADAPA-516003(A.P)

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING**

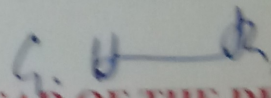


CERTIFICATE

This is to Certify that the project report entitled "**Efficient Implementations of 4-bit Burst Error Correction for Memories**" is being submitted by P.HEMALATHA (159Y1A04A7), T. SAI JYOTHI (159Y1A04D4), P.CHANDRA KANTH (159Y1A04B2), P.NARENDRA KUMAR REDDY (169Y54A0404), P.HARIKRISHNA REDDY (169Y54A0404), In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY**" in "**ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

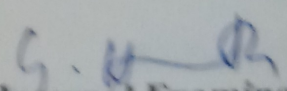

PROJECT GUIDE

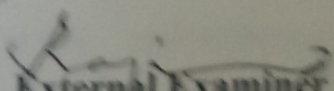
Dr. G. HEMALATHA, M. Tech., Ph. D.
Professor & H.O.D
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D.
Professor & H.O.D
Dept. of ECE

Date: 06/05/2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled "**Design And Synthesis Of Combinational Circuits Using Reversible Logic Gates**" is being submitted by J. SAINATH REDDY (159Y1A0451), N. CHANDRA MOULI (159Y1A0489), N. NETHAJI (159Y1A0488), M. BALA SIDDA REDDY (159Y1A0480), M. SIDHARTHA (159Y1A0475) In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY**" in "**ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

PROJECT GUIDE

Sri. SYED ZAHIRUDDIN, M.Tech, (Ph. D)
Assistant Professor
Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 5/05/2019

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to Certify that the project report entitled "**Design And Synthesis Of Combinational Circuits Using Reversible Logic Gates**" is being submitted by J. SAINATH REDDY (159Y1A0451), N. CHANDRA MOULI (159Y1A0489), N. NETHAJI (159Y1A0488), M. BALA SIDDA REDDY (159Y1A0480), M. SIDHARTHA (159Y1A0475) In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY**" in "**ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

PROJECT GUIDE

Sri. SYED ZAHIRUDDIN, M.Tech, (Ph. D)
Assistant Professor
Dept. of ECE

HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 5/05/2019

Internal Examiner

External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

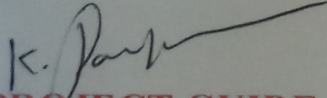
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

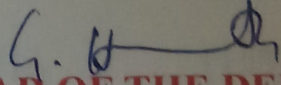


CERTIFICATE

This is to Certify that the project report entitled “Smart Traffic Lights System For Blind People To Cross The Roads” is being submitted by K.V. SHARANYA(159Y1A0456), K.MD.ANEES PASHA(159Y1A0454), K. CHINNA REDDEIAH(159Y1A0463), M.C.KISHORE KUMAR(159Y1A0473), K.ABHINAY(159Y1A0466) In partial fulfillment of the requirements for the award of the degree of “**BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING**” and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapuram) during the academic year 2018-2019

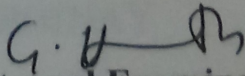

PROJECT GUIDE

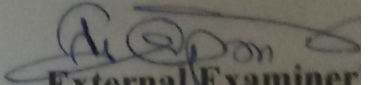
Sri. K.PAVAN KUMAR, M.Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 07/05/2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

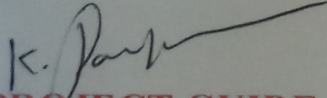
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

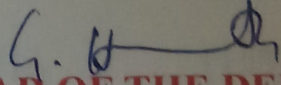


CERTIFICATE

This is to Certify that the project report entitled "Smart Traffic Lights System For Blind People To Cross The Roads" is being submitted by K.V. SHARANYA(159Y1A0456), K.MD.ANEES PASHA(159Y1A0454), K. CHINNA REDDEIAH(159Y1A0463), M.C.KISHORE KUMAR(159Y1A0473), K.ABHINAY(159Y1A0466) In partial fulfillment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuram) during the academic year 2018-2019

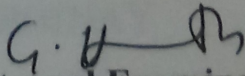

PROJECT GUIDE

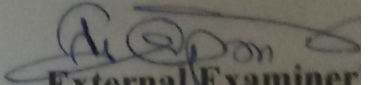
Sri. K.PAVAN KUMAR, M.Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 07/05/2019


Internal Examiner


External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapuramu)
(Accredited by National Board of Accreditation (NBA), NAAC, New Delhi)
(An ISO 9001:2018 Certified Institution)
KADAPA - 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project report entitled "AUTOMATED SOIL QUALITY MANAGEMENT SYSTEM USING LabVIEW", is being submitted by B. VINOD (159Y1A0419), A. RAGA PREETHI (159Y1A0405), G. HUSSAINAIAH (159Y1A0442), A. RAVI KUMAR (159Y1A0410), G. SREE NAGA VINAY (159Y1A0443) is submitted to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONICS AND COMMUNICATION ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2018-2019.

Project guide:

Sri. Md. Mahaboob Pasha, M.Tech., (Ph.D.),
Assistant Professor,
Dept. of E.C.E.

Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.
Professor & HOD,
Dept. of E.C.E.

Date:

08/05/2019

Internal Examiner

External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

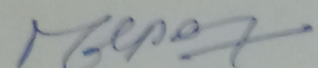
(Approved by AICTE, New Delhi & Affiliated to JNTU, Anantapuramu)
(Accredited by National Board of Accreditation (NBA), NAAC, New Delhi)
(An ISO 9001:2018 Certified Institution)
KADAPA - 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

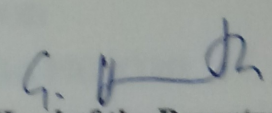


CERTIFICATE

This is to certified that the project report entitled "AUTOMATED SOIL QUALITY MANAGEMENT SYSTEM USING LabVIEW", is being submitted by B. VINOD (159Y1A0419), A. RAGA PREETHI (159Y1A0405), G. HUSSAINAIAH (159Y1A0442), A. RAVI KUMAR (159Y1A0410), G. SREE NAGA VINAY (159Y1A0443) is submitted to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONICS AND COMMUNICATION ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2018-2019.

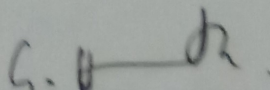
Project guide: 

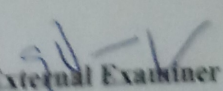
Sri. Md. Mahaboob Pasha, M.Tech., (Ph.D.),
Assistant Professor,
Dept. of E.C.E.


Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.
Professor & HOD,
Dept. of E.C.E.

Date: 08/05/2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

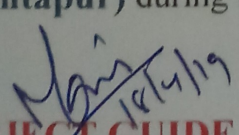
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

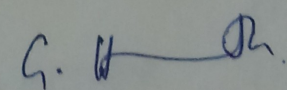


CERTIFICATE

This is to Certify that the project report entitled "**Image Fusion Using Wavelet Transform**" is being submitted by K. RAKESH (159Y1A0457), N.NARASHIMA (159Y1A0487), M. SHASI KUMAR (159Y1A0481), N. NAVEEN KUMAR (159Y1A0493), K. SAI MURALI MOHAN (159Y1A0455), K. KESAVA REDDY(159Y1A0458), In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapur) during the academic year 2015-2019

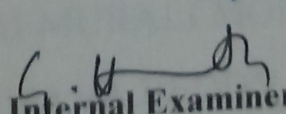

PROJECT GUIDE

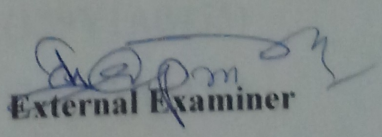
Sri. M.MANI KUMAR REDDY, M.Tech,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 7/05/2019


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

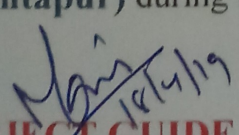
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

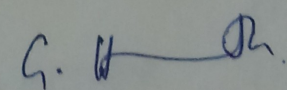


CERTIFICATE

This is to Certify that the project report entitled "**Image Fusion Using Wavelet Transform**" is being submitted by K. RAKESH (159Y1A0457), N.NARASHIMA (159Y1A0487), M. SHASI KUMAR (159Y1A0481), N. NAVEEN KUMAR (159Y1A0493), K. SAI MURALI MOHAN (159Y1A0455), K. KESAVA REDDY(159Y1A0458), In partial fulfillment of the requirements for the award of the degree of "**BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING**" and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapur) during the academic year 2015-2019

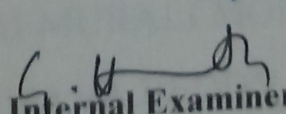

PROJECT GUIDE

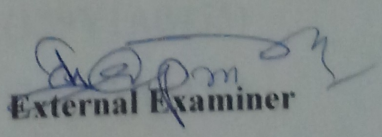
Sri. M.MANI KUMAR REDDY, M.Tech,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 7/05/2019


Internal Examiner


External Examiner

K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

(Accredited by NAAC & NBA, New Delhi)

(An ISO 9001:2008 Certified Institution)

KADAPA – 516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

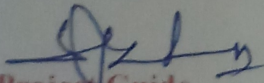


CERTIFICATE

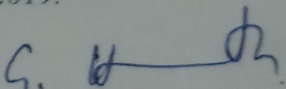
It is certified that the project entitled "APPROXIMATE QUATERNARY ADDITION WITH FAST CARRY CHAIN OF XILINX FPGA", is submitted by

| | |
|-----------------------|--------------|
| J. SWETHA | (159Y1A0452) |
| P. VENKATASAIABHISHEK | (159Y1A04A2) |
| J. SAI VIJAY KUMAR | (159Y1A0453) |
| L. SWETHA | (159Y1A0472) |
| M. MAHENDRA | (159Y1A0483) |

in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING" K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA and is submitted to the K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA, J.N.T.U.A., (Ananthapuramu) during the Academic year 2015-2019.

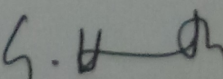

Project Guide

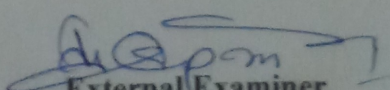
Miss S. JABEEN, M.Tech.,
Assistant Professor
Dept. of ECE


Head of the Department

Dr. G. HEMALATHA, M.Tech., Ph.D.,
Professor & H.O.D
Dept. of ECE

Date: 07/05/2019


Internal Examiner


External Examiner

K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)

(Accredited by NAAC & NBA, New Delhi)

(An ISO 9001:2008 Certified Institution)

KADAPA – 516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

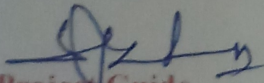


CERTIFICATE

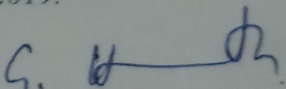
It is certified that the project entitled "APPROXIMATE QUATERNARY ADDITION WITH FAST CARRY CHAIN OF XILINX FPGA", is submitted by

| | |
|-----------------------|--------------|
| J. SWETHA | (159Y1A0452) |
| P. VENKATASAIABHISHEK | (159Y1A04A2) |
| J. SAI VIJAY KUMAR | (159Y1A0453) |
| L. SWETHA | (159Y1A0472) |
| M. MAHENDRA | (159Y1A0483) |

in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING" K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA and is submitted to the K.S.R.M COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA, J.N.T.U.A., (Ananthapuramu) during the Academic year 2015-2019.

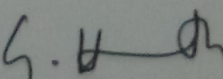

Project Guide

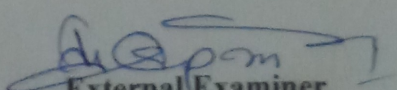
Miss S. JABEEN, M.Tech.,
Assistant Professor
Dept. of ECE


Head of the Department

Dr. G. HEMALATHA, M.Tech., Ph.D.,
Professor & H.O.D
Dept. of ECE

Date: 07/05/2019


Internal Examiner


External Examiner

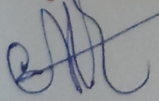
**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Anantapuramu)
(Accredited by NAAC, Bangalore)
(An ISO 9001:2015 Certified Institution)
KADAPA – 516 003 (A.P.)
2018-2019



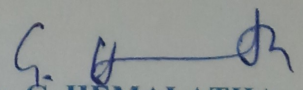
CERTIFICATE

This is to certify that the project report entitled “INFANT CRY SIGNAL DETECTION, PATTERN EXTRACTION AND RECOGNITION” is a bonafide project work done and submitted by C.SWATHI (159Y1A0422), C.MOUNIKA (159Y1A0425), G. BALAJI (159Y1A0445), A.PEERU BABA (159Y1A0406) and JMD. ZABI ULLAH (159Y1A0450) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING J.N.T.U.A., ANANTAPURAMU during the year 2018-2019.

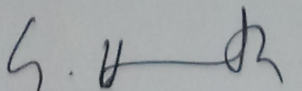
Project Guide:

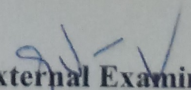

Sri N.RADHA KRISHNA, M.Tech., MISTE,
Asst. Professor,
Dept. of ECE.

Head of the Department:


Dr. G. HEMALATHA, M.Tech., Ph.D.,
Professor & HOD,
Dept. of ECE.

Date: 8/5/19


Internal Examiner


External Examiner

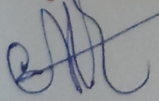
**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Anantapuramu)
(Accredited by NAAC, Bangalore)
(An ISO 9001:2015 Certified Institution)
KADAPA – 516 003 (A.P.)
2018-2019



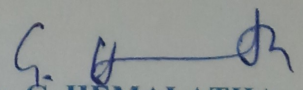
CERTIFICATE

This is to certify that the project report entitled “INFANT CRY SIGNAL DETECTION, PATTERN EXTRACTION AND RECOGNITION” is a bonafide project work done and submitted by C.SWATHI (159Y1A0422), C.MOUNIKA (159Y1A0425), G. BALAJI (159Y1A0445), A.PEERU BABA (159Y1A0406) and JMD. ZABI ULLAH (159Y1A0450) in partial fulfillment of the requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION ENGINEERING J.N.T.U.A., ANANTAPURAMU during the year 2018-2019.

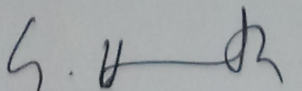
Project Guide:

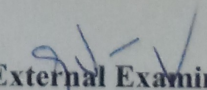

Sri N.RADHA KRISHNA, M.Tech., MISTE,
Asst. Professor,
Dept. of ECE.

Head of the Department:


Dr. G. HEMALATHA, M.Tech., Ph.D.,
Professor & HOD,
Dept. of ECE.

Date: 8/5/19


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuram)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA - 516 003 (A.P)

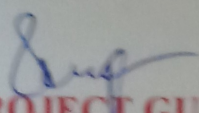
2018-2019

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

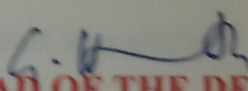


CERTIFICATE

This is to Certify that the project report entitled **"IMAGE DENOISING METHOD BY ENDORSEMENT OF NEIGHBOURHOOD PIXELS"** is being submitted by B.MOUNIKA (159Y1A0412), G.MADHAVI (159Y1A0438), H.SUBBARAO (159Y1A0449), B.SRAVANI (159Y1A0416), G.SAMUEL VICTOR (159Y1A0448) in partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuram) during the academic year 2015-2019

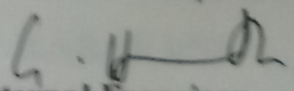

PROJECT GUIDE

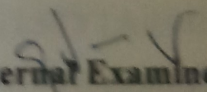
Miss P. LAVANYA, M.Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph.D.
Professor & H.O.D
Dept. of ECE

Date: 8/5/19


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to J.N.T.U.A., Ananthapuram)

(Accredited by NAAC, Bangalore)

(An ISO 9001:2015 Certified Institution)

KADAPA - 516 003 (A.P)

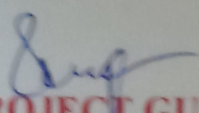
2018-2019

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

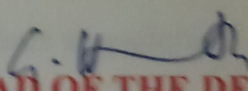


CERTIFICATE

This is to Certify that the project report entitled **"IMAGE DENOISING METHOD BY ENDORSEMENT OF NEIGHBOURHOOD PIXELS"** is being submitted by B.MOUNIKA (159Y1A0412), G.MADHAVI (159Y1A0438), H.SUBBARAO (159Y1A0449), B.SRAVANI (159Y1A0416), G.SAMUEL VICTOR (159Y1A0448) in partial fulfillment of the requirements for the award of the degree of **"BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGINEERING"** and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING(AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuram) during the academic year 2015-2019

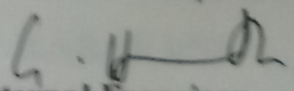

PROJECT GUIDE

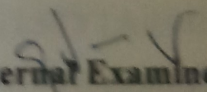
Miss P. LAVANYA, M.Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph.D.
Professor & H.O.D
Dept. of ECE

Date: 8/5/19


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

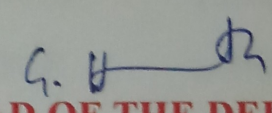


CERTIFICATE

This is to Certify that the project report entitled "MODIFIED CRYPTOGRAPHY TURBO CODE FOR SENSITIVE INFORMATION" is being submitted by A.ANUSHA(159Y1A0411),A.HEMALATHA(159Y1A0408), G.KAVERI(159Y1A0437),A.BHANUCHANDARAR(159Y1A04B7),B.BALAA NARASIMHUDU(139Y1A0406) In partial fulfillment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONICS AND COMMUNICATION ENGINEERING" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

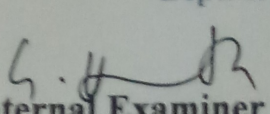

PROJECT GUIDE

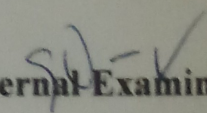
Dr.G.HEMALATHA, M.Tech.,Ph. D
Professor &H.O.D
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D,
Professor & H.O.D
Dept. of ECE

Date:


Internal Examiner


External Examiner

K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

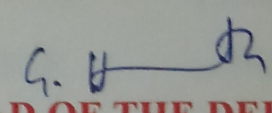


CERTIFICATE

This is to Certify that the project report entitled "MODIFIED CRYPTOGRAPHY TURBO CODE FOR SENSITIVE INFORMATION" is being submitted by A.ANUSHA(159Y1A0411),A.HEMALATHA(159Y1A0408), G.KAVERI(159Y1A0437),A.BHANUCHANDARAR(159Y1A04B7),B.BALAA NARASIMHUDU(139Y1A0406) In partial fulfillment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONICS AND COMMUNICATION ENGINEERING" and is submitted to the K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

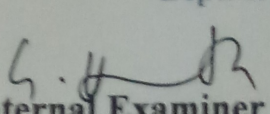

PROJECT GUIDE

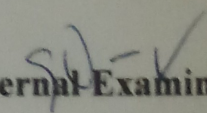
Dr.G.HEMALATHA, M.Tech.,Ph. D
Professor &H.O.D
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D,
Professor & H.O.D
Dept. of ECE

Date:


Internal Examiner


External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

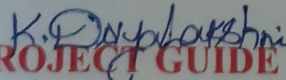
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

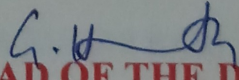


CERTIFICATE

This is to Certify that the project report entitled **“Design of Reconfigurable LFSR for VLSI IC Testing in ASIC and FPGA”** is being submitted by **V.ADARSH REDDY (159Y1A04D8), S. SUMALATHA (159Y1A04C2), S. CHAITHANYA KUMAR RAJU (159Y1A04D1), T.N.V. CHARITHA (159Y1A04D3), Y. KRISHNA PRASAD (169Y5A0406)**, In partial fulfillment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY”** in **“ELECTRONICS AND COMMUNICATION ENGINEERING”** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuramu)** during the academic year 2018-2019

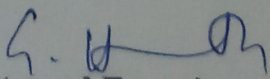

PROJECT GUIDE

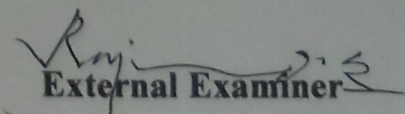
Smt. K. DIVYALAKSHMI, M.Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 06-05-2019


Internal Examiner


External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

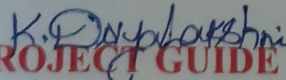
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

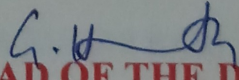


CERTIFICATE

This is to Certify that the project report entitled **“Design of Reconfigurable LFSR for VLSI IC Testing in ASIC and FPGA”** is being submitted by **V.ADARSH REDDY (159Y1A04D8)**, **S. SUMALATHA (159Y1A04C2)**, **S. CHAITHANYA KUMAR RAJU (159Y1A04D1)**, **T.N.V. CHARITHA (159Y1A04D3)**, **Y. KRISHNA PRASAD (169Y5A0406)**, In partial fulfillment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY”** in **“ELECTRONICS AND COMMUNICATION ENGINEERING”** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuramu)** during the academic year 2018-2019

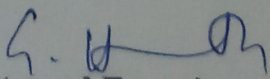

PROJECT GUIDE

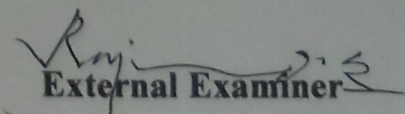
Smt. K. DIVYALAKSHMI, M.Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M.Tech., Ph. D
Professor & H.O.D
Dept. of ECE

Date: 06-05-2019


Internal Examiner


External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)

(Accredited by National Board of Accreditation (NBA), NAAC, New Delhi)

(An ISO 9001:2000 Certified Institution)

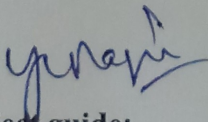
KADAPA – 516 003 (A.P.)

DEPARTMENT OF ELECTRONICS& COMMUNICATION ENGINEERING



CERTIFICATE

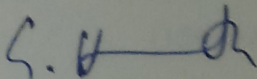
This is to certified that the project report entitled “A SMALL AREA AND ACCURACY SCALABILITY MULTIPLIER”, is being submitted by U. VANDANA (159Y1A04D6), P. ANUSHA (159Y1A04B3), R. PREETHI THANUJA (159Y1A04B9), N. MAHESH CHNADRA PRASAD (169Y5A0403) and S. GOWTHAMI (159Y1A04C3) to K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), Kadapa affiliated to JNTUA, Anantapuramu in partial fulfillment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONIC AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2018-2019.


Project guide:

Sri Y.VENKATESWARA RAJU M.Tech.,

Assistant Professor,

Dept.of ECE.

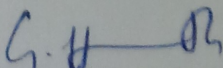

Head of the Department:

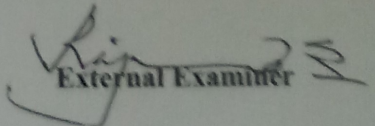
Dr.G.HEMALATHA M.Tech.,Ph.D.,

Professor and HOD

Dept. of ECE.

Date: 6-05-2019


Internal Examiner


External Examiner

**K.S.R.M.COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)

(Accredited by National Board of Accreditation (NBA), NAAC, New Delhi)

(An ISO 9001:2000 Certified Institution)

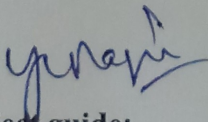
KADAPA – 516 003 (A.P.)

DEPARTMENT OF ELECTRONICS& COMMUNICATION ENGINEERING



CERTIFICATE

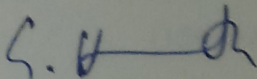
This is to certified that the project report entitled “A SMALL AREA AND ACCURACY SCALABILITY MULTIPLIER”, is being submitted by U. VANDANA (159Y1A04D6), P. ANUSHA (159Y1A04B3), R. PREETHI THANUJA (159Y1A04B9), N. MAHESH CHNADRA PRASAD (169Y5A0403) and S. GOWTHAMI (159Y1A04C3) to K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), Kadapa affiliated to JNTUA, Anantapuramu in partial fulfillment of the requirements for the award of the degree of “BACHELOR OF TECHNOLOGY” in “ELECTRONIC AND COMMUNICATION ENGINEERING” is a bonafide record of the project work carried out by them under our supervision during the period 2018-2019.


Project guide:

Sri Y.VENKATESWARA RAJU M.Tech.,

Assistant Professor,

Dept.of ECE.

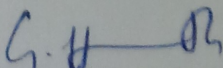

Head of the Department:

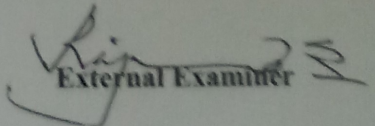
Dr.G.HEMALATHA M.Tech.,Ph.D.,

Professor and HOD

Dept. of ECE.

Date: 6-05-2019


Internal Examiner


External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Approved by AICTE, Bangalore & Affiliated to JNTU, Anantapuramu)
(Accredited by National Board of Accreditation (NBA), NAAC, Bangalore)
(An ISO 9001:2018 Certified Institution)
KADAPA – 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certified that the project report entitled "LOW – POWER AND HIGH – SPEED APPROXIMATE MULTIPLIER DESIGN WITH A TREE COMPRESSOR ", is being submitted by A. BHAVANA (159Y1A0401) is submitted to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONIC AND COMMUNICATION ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2018-2019.

M
18/04/19

Project guide:

Sri M. PRABHAKAR, MTech.,
Assistant Professor,
Dept. of E.C.E.

G. H. Hemalatha

Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.
Professor & HOD,
Dept. of E.C.E.

Date: 4/8/19

G. H. Hemalatha
Internal Examiner

[Signature]
External Examiner

**K.S.R.M. COLLEGE OF ENGINEERING
(AUTONOMOUS)**

(Approved by AICTE, Bangalore & Affiliated to JNTU, Anantapuramu)
(Accredited by National Board of Accreditation (NBA), NAAC, Bangalore)
(An ISO 9001:2018 Certified Institution)
KADAPA – 516003 (A.P.)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the project report entitled "LOW – POWER AND HIGH – SPEED APPROXIMATE MULTIPLIER DESIGN WITH A TREE COMPRESSOR", is being submitted by A. BHAVANA (159Y1A0401) is submitted to K.S.R.M. College of Engineering (AUTONOMOUS), Kadapa in partial fulfilment of the requirements for the award of the degree of "BACHELOR OF TECHNOLOGY" in "ELECTRONIC AND COMMUNICATION ENGINEERING" is a bonafide record of the project work carried out by them under our supervision during the period 2018-2019.

MS
18/04/19

Project guide:

Sri M. PRABHAKAR, M.Tech.,
Assistant Professor,
Dept. of E.C.E.

G. H. Hemalatha

Head of the Department:

Dr. G. HEMALATHA, M.Tech., Ph.D.
Professor & HOD,
Dept. of E.C.E.

Date: 4/8/19

G. H. Hemalatha
Internal Examiner

[Signature]
External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

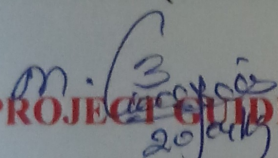
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

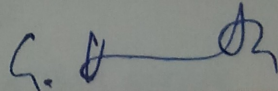


CERTIFICATE

This is to Certify that the project report entitled **“Single Image Super Resolution Based on Rational Fractal Interpolation”** is being submitted by **E. TEJA SREE (159Y1A0435)**, **C. CHANDRA OBUL REDDY (159Y1A0426)**, **B. NAVEEN KUMAR (159Y1A0415)**, **C. PRASHANTHI (159Y1A0423)**, **G. VENKATESWARA REDDY (159Y1A0446)**, In partial fulfillment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY”** in **“ELECTRONICS AND COMMUNICATION ENGINEERING”** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to **JNTUA (Anantapuramu)** during the academic year 2018-2019

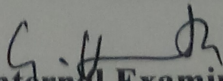

PROJECT GUIDE

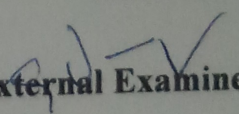
Sri. M. RAMAMURTHY NAIK, M. Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D.,
Professor & H.O.D
Dept. of ECE

Date: 8-5-19


Internal Examiner


External Examiner

K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to JNTU University, ANANTAPURAM)

(Accredited by National Board of Accreditation (NBA), New Delhi)

(An ISO 9001:2000 Certified Institution)

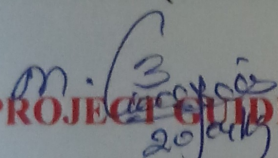
KADAPA-516003(A.P)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

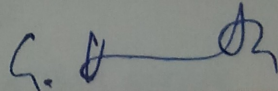


CERTIFICATE

This is to Certify that the project report entitled **“Single Image Super Resolution Based on Rational Fractal Interpolation”** is being submitted by E. TEJA SREE (159Y1A0435), C. CHANDRA OBUL REDDY (159Y1A0426), B. NAVEEN KUMAR (159Y1A0415), C. PRASHANTHI (159Y1A0423), G. VENKATESWARA REDDY (159Y1A0446), In partial fulfillment of the requirements for the award of the degree of **“BACHELOR OF TECHNOLOGY”** in **“ELECTRONICS AND COMMUNICATION ENGINEERING”** and is submitted to the **K.S.R.M. COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA** affiliated to JNTUA (Anantapuramu) during the academic year 2018-2019

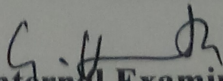

PROJECT GUIDE

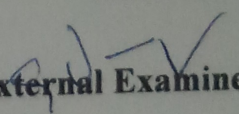
Sri. M. RAMAMURTHY NAIK, M. Tech.,
Assistant Professor
Dept. of ECE


HEAD OF THE DEPARTMENT

Dr. G. HEMALATHA, M. Tech., Ph. D.,
Professor & H.O.D
Dept. of ECE

Date: 8-5-19


Internal Examiner


External Examiner