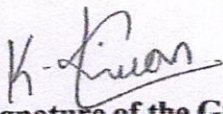


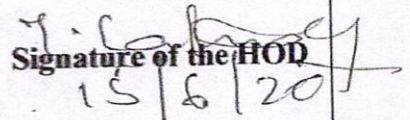
SRK INSTITUTE OF TECHNOLOGY
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ENIKPADU VIJAYAWADA
AS ISO 9001:2008 Certified Institute
DEPARTMENT OF CIVIL ENGINEERING



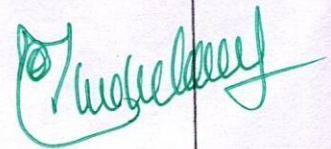
CERTIFICATE

This is to certify that the project "STUDY OF FLEXURAL STRENGTH OF REINFORCED CONCRETE AND STEEL FIBER REINFORCED CONCRETE AND ITS REHABILITATION" being submitted by B.VINOD (16X41A0102), B.HARISH (16X41A0105), CH. JOHN WILSON (16X41A0108), K. VEKATESWARAO (16X41A0122) is the bonafide work carried under the guidance of K. KIRAN, MTech in the partial fulfillment of the requirements for the award of the degree in Bachelor of Technology in 'Civil Engineering' during the academic year 2019-2020.


Signature of the Guide


Signature of the HOD
15/6/20

Signature of the External



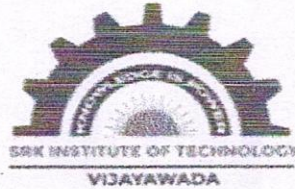
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ENIKPADU, VIJAYAWADA-521 108.

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(Affiliated to JNTU KAKINADA, Approved By AICTE)


(As ISO 9001:2008 Certified Institute)

DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

This is to certify that the major project report entitled **EXPERIMENTAL STUDY ON OPTIMAL REPLACEMENT OF FINE AGGREGATE WITH IRON SLAG AND CEMENT WITH POTTERY CLAY POWDER IN CONCRETE** submitted by G. SAI LAKSHMAN (17X45A0101), M. ANAND SAI KUMAR(17X45A0110), A D. RAMA KRISHNA(17X45A0133), M.SIVA PAVAN KUMAR (17X45A0144) as a record of the work carried out by them, is accepted as a bonafied work report submission in the partial fulfilment of the requirements for the award of degree of BACHELOR OF TECHNOLOGY during the academic year 2019-2020.

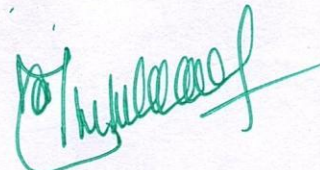

Signature of the project guide

17/6/2020

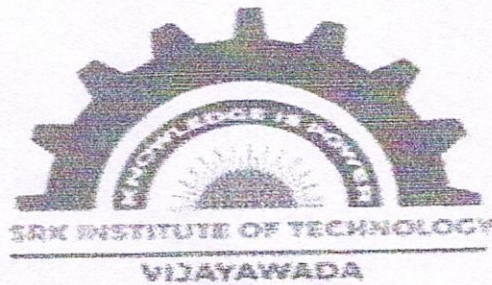

Signature of the H.O.D

19/6/20

Signature of the External

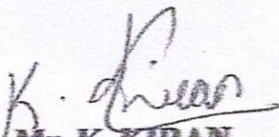

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ENIKEPADU, VIJAYAWADA-521 108,

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(Affiliated to JNTU KAKINADA, Approved By
AICTE) (An ISO 9001:2008 Certified Institute)
DEPARTMENT OF CIVIL ENGINEERING




CERTIFICATE

This is to certify that the major project report entitled "OPTIMUM REPLACEMENT OF COPPER SLAG WITH FINE AGGREGATE IN M25 CONCRETE" submitted by V. SAI SUMANTH (17X45A0121), U. CHAITANYA (17X45A0127), P. GANESH (17X45A0137) K. VAJRA PAL (17X45A0145) as a record of the work carried out by them, is accepted as a bonafied report submission in the partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering during the academic year 2019-2020.


Mr. K. KIRAN

Signature of the guide


T. SATYA NARAYANA 16/6/20
Signature of the H.O.D

Signature of the External



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SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.

SRK INSTITUTE OF TECHNOLOGY, ENIKEPADU



CERTIFICATE

This is to certify that the project report entitled “A HYBRIDGREEN HOUSE MANGEMENT BY WIRLESS NETWORKING” is a bonafide record of work carried out by **M.NAGA JAYASRI(16X41A0206),M.BALA CHANDRA SEK HAR (17X45A0210), P.GOPALA KRISHNA(17X45A0221),G.SAI KRISHNA CHANDU(17X45A0211)** under the guidance and supervision in partial fulfillment of the requirements for award of the degree of bachelor of technology in **ELECTRICAL AND ELECTRONIC ENGINEERING** of **Jawaharlal Nehru technological university , Kakinada**

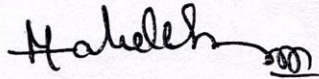
K. Satyanarayana
Mr. K. SATYANARAYANA
(PROJECT GUIDE)

S. Sri Gowri
Dr. S.SRI GOWRI
(HEAD OF THE DEPARTMENT)

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PRINCIPAL
SRK INSTITUTE OF TECHNOLOGY
ENIKEPADU, VIJAYAWADA

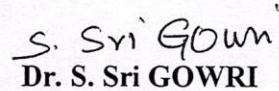
CERTIFICATE

This is to certify that the project report entitled “**High Voltage Gain Interleaved Boost Converter with Neural Network Based MPPT Controller for Fuel Cell Based Electric Vehicle Applications**” is a bonafide record of work carried out by **SK.IMRAN KHAN(17X45A0214), P.MANOJ(17X45A0215), M.RAVINDRA BAU (17X45A0220), K.PRAVEEN KUMAR(17X45A0222)** under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology in **Electrical and Electronics Engineering** of **Jawaharlal Nehru Technological University, Kakinada.**



Ms. T.MAHALAKSHMI

(PROJECT GUIDE)


Dr. S. Sri GOWRI

(HEAD OF THE DEPARTMENT)



PRINCIPAL

SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.

S.R.K INSTITUTE OF TECHNOLOGY


Approved by AICTE, New Delhi & Affiliated to JNTUK KAKINADA.

ENIKEPADU, VIJAYAWADA, Krishna Dist- 521108, Andhra Pradesh.

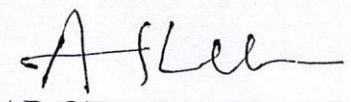
DEPARTMENT OF MECHANICAL ENGINEERING




This is to certify that this project work entitled "EXPERIMENTAL STUDY ON IGUS 4-AXIS ROBOT FOR PALLETIZING OPERATION" is the benefited record of work done by CH. VINAY SAI KRISHNA (16X41A0306), K.N.V.SAI SUNNIDH (16X41A0326), MITUL ASHOK ASODARIYA (16X41A0331), S.NAGA TEJA (16X41A0344), who carried out the project work under our guidance and supervision submitted in partial fulfillment of requirements for the award of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.


PROJECT GUIDE

(A. STANLY KUMAR)


HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER


PRINCIPAL
SRK Institute of Technology
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ENIKEPADU, VIJAYAWADA, Krishna Dist- 521108, Andhra Pradesh.
DEPARTMENT OF MECHANICAL ENGINEERING

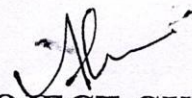


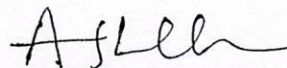
CERTIFICATE

This is to certify that this project work entitled "PERFORMANCE ANALYSIS OF 210MW STEAM TURBINE" is the benefited record of work done by


| | |
|-----------------|--------------|
| SD.ASIF | (17X45A0311) |
| K.ARUN KUMAR | (17X45A0313) |
| SK.RIZWAN BASHA | (17X45A0314) |

Who carried out the project work under our guidance and supervision submitted in partial fulfilment of requirements for the award of the degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING** by **JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.**


PROJECT GUIDE
(A.STANLY KUMAR)


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EXTERNAL EXAMINER


PRINCIPAL
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ENIKEPADU, VIJAYAWADA-521 108

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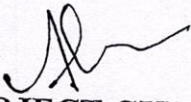
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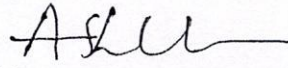
ENIKEPADU, VIJAYAWADA, Krishna Dist. - 521108, Andhra Pradesh.

DEPARTMENT OF MECHANICAL ENGINEERING




This is to certify that this project work entitled "EXPERIMENTAL STUDY ON IGUS 4-AXIS ROBOT ON PICK AND PLACE OPERATION USING VACCUM GRIPPER" is the benefited record of work done BY S. AVINASH REDDY (17X45A0355), M. VENKATESH (17X45A0351), M. PRAVEEN (17X45A0301), SK. MOHAMMAD ISMAIL (17X45A0308) who carried out the project work under our guidance and supervision submitted in partial fulfillment of requirements for the award of the degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING by JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA.


PROJECT GUIDE
(A. STANLY KUMAR)


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EXTERNAL EXAMINER


PRINCIPAL
SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108

A SMART STREET LIGHT SYSTEM USING ARDUINO

An Engineering Exploration Project Report
Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

In partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

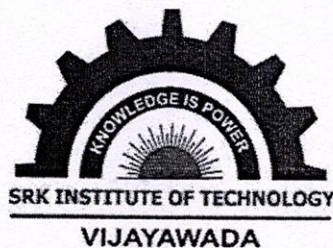
In

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

**K BABY SAI LATHA
L GOWTHAMI
M DEVI SWARNANJALI**

**19X41A0425
19X41A0426
19X41A0427**



S.R.K INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada-521108

Andhra Pradesh

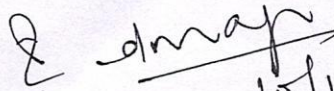
December 2020

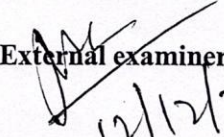


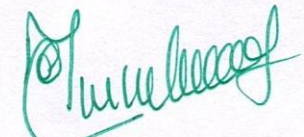
**PRINCIPAL
SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.**

CERTIFICATE

This is to certify that the engineering exploration project report entitled "A SMART STREET LIGHT SYSTEM USING ARDUINO" is a bonafied record of work carried out by **K.BABY SAI LATHA(19X41A0425),L.GOWTHAMI(19X41A0426), M.DEVI SWARNANJALI (19X41A0427)** under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** of **Jawaharlal Nehru Technological University, Kakinada.**


10/12/2020
Dr. A.PADMAJA
(Head of Department)


12/12/20
External examiner


PRINCIPAL
SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.

A SMART CAR PARKING SYSTEM USING ARDUINO

An Engineering Exploration Project Report
Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

In partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

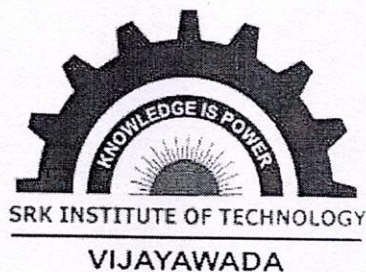
In

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

**A.BHAVANA
P.ARUNA
B.ABHINAYA**

**(19X41A0403)
(19X41A0404)
(19X41A0407)**

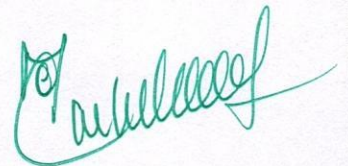


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Andhra Pradesh

December 2020

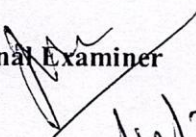


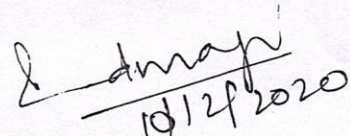
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ENIKEPADU, VIJAYAWADA-521 108.**

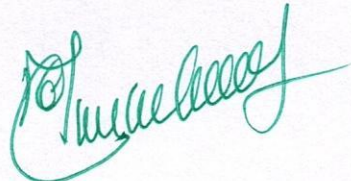
CERTIFICATE

This is to certify that the engineering exploration project report entitled "A SMART CAR PARKING SYSTEM USING ARDUINO" is a bonafied record of work carried out by A.BHAVANA (19X41A0403), P.ARUNA (19X41A0404), B.ABHINAYA (19X41A0407) under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University, Kakinada.

External Examiner


12/12/20


10/12/2020
Dr. A.PADMAJA
(Head of Department)


PRINCIPAL
SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.

A SMART TEMPERATURE OF MONITORING SYSTEM

An Engineering Exploration Project Report
Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

In partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

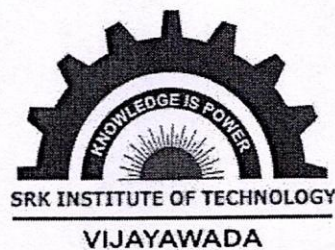
In

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

**K. GIRI SAI PRAKASH
K. VENKATA SAI KRISHNA
K. AJAY KUMAR**

**(19X41A0474)
(19X41A0475)
(19X41A0476)**



S.R.K INSTITUTE OF TECHNOLOGY

Enikepadu, Vijayawada-521108

Andhra Pradesh

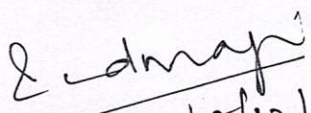
December 2020




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SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.**

CERTIFICATE

This is to certify that the engineering exploration project report entitled "A SMART TEMPERATURE MONITORING SYSTEM" is a bonafied record of work carried out by **K.GIRI SAI PRAKASH (19X41A0474), K.V.SAI KRISHNA(19X41A0475), K.AJAY KUMAR (19X41A0476)** under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** of **Jawaharlal Nehru Technological University, Kakinada.**


Dr. A.PADMAJA
(Head of Department)


EXTERNAL EXAMINER


PRINCIPAL
SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 106.

A SMART STREET LIGHTING SING AURDINO

An Engineering Exploration Project Report

Submitted to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, KAKINADA

In partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

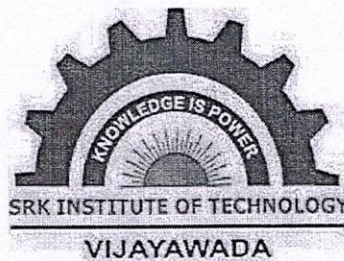
In

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

P. SAI BABU
P. B V DURGA PRASAD
SK. MOULALI
SK.UNNAS

(19X41A0491)
(19X41A0492)
(19X41A0494)
(19X41A0495)

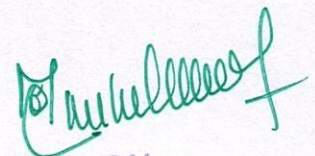


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Andhra Pradesh

December 2020



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SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.

CERTIFICATE

This is to certify that the engineering exploration project report entitled "**A SMART STREET LIGHTING USING AURDINO**" is a bonafied record of work carried out by **P. SAI BABU (19X41A0491), P.B V DURGA PRASAD (19X41A0492), SKMOULALI (19X41A0494), SK.UNNAS (19X41A0495)** under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** of **Jawaharlal Nehru Technological University, Kakinada.**

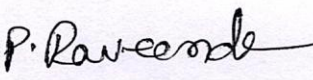
A. Padmaja
10/12/2020
Dr. A.PADMAJA
(Head of Department)

[Signature]
EXTERNAL EXAMINER
11/12/20

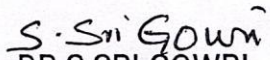
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SRK Institute of Technology
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CERTIFICATE

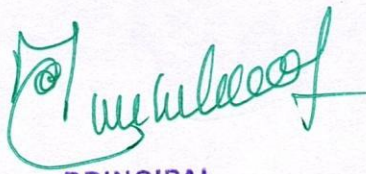
This is to certify that the report entitled "HOME AUTOMATION BASED ON VOICE RECOGNITION" is a bonafide record of work carried out by (16X41A0411 CH.CHANDRIKA), T. YASASWINI (16X41A0455), P. JAGADEESH (16X41A0437), K. POORNA CHANDU (16X41A0428) under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology in Electronics and Communication Engineering of Jawaharlal Nehru Technological University, Kakinada.


MR.P.RAVEENDRA

(PROJECT GUIDE)


DR.S.SRI.GOWRI

(HEAD OF THE DEPARTMENT)


PRINCIPAL
SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.

CERTIFICATE

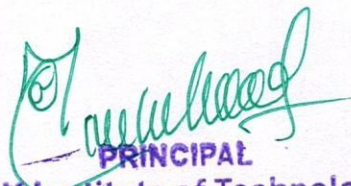
This is to certify that the project report entitled “**SMART HELMET FOR SAFETY AND ACCIDENT CONTROLLING AND DETECTION**” is a bonafied record of work carried out by **P.RASHEEDA BEGAM (16X41A0440)**, **Y.TULASI (16X41A0460)**, **T.AKHIL (16X41A0453)** under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology in **Electronics and Communication Engineering** of Jawaharlal Nehru Technological University, Kakinada.

V. Sri Lakshmi
Mrs. V. SRI LAKSHMI

(PROJECT GUIDE)

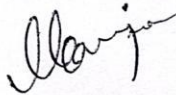
S. Sri Gowri
Dr. S.SRI GOWRI

(HEAD OF THE DEPARTMENT)


PRINCIPAL
SRK Institute of Technology
ENIKEPADU, VIJAYAWADA-521 108.

CERTIFICATE

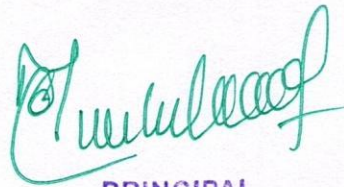
This is to certify that the project report entitled “**BIOMETRIC VOTING SYSTEM USING ARDUINO**” is a bonafide record of work carried out by **D. SAI DEEPIKA (16X41A0472)**, **U. SYAM SUNDAR (16X41A04A4)**, **R. JEEVANA JYOTHI (16X41A0489)**, **A. SAI KRISHNA (16X41A04B4)** under my guidance and supervision in partial fulfillment of the requirements for the award of the degree of **Jawaharlal Nehru University, Kakinada** during the academic year 2016-2020.



Mrs T. MANOGNA
(PROJECT GUIDE)



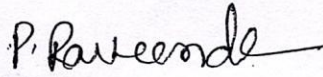
Dr. S. SRI GOWRI
(HEAD OF THE DEPARTMENT)



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ENIKEPADU, VIJAYAWADA-521 108.

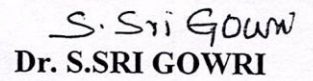
CERTIFICATE

This is to certify that the project report entitled "CRACK DETECTION IN RAILWAY TRACK" a bonafide record of work carried out by V. DEEPIKA (16X41A04A8), K.BINDU HARSHITH (16X41A0476), CH. NHAVYA (16X41A0467), K.LITHISH KUMAR (16X45A0475), under my guidance and supervision in partial fulfillment of the requirements for award of the degree of Bachelor of Technology Electronics and Communication Engineering of Jawaharlal Nehru Technological University, Kakinada



Mr.P.Raveendra

(PROJECT GUIDE)



Dr. S.SRI GOWRI

(HEAD OF THE DEPARTMENT)

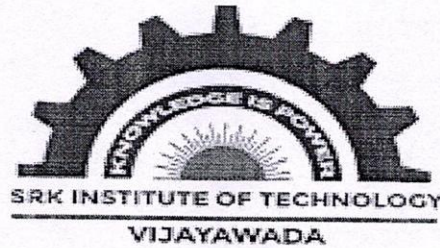


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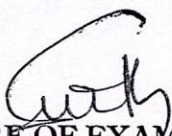
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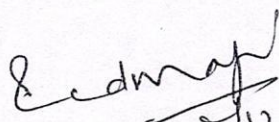
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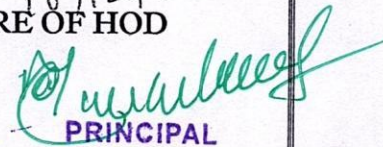
Year/ Semester: I B.Tech - II Semester

Branch: Computer Science And Engineering

NAME OF THE LABORATORY: ENGINEERING EXPLORATION PROJECT


SIGNATURE OF EXAMINER

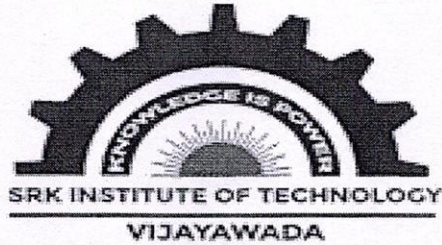

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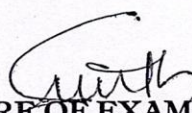
NAME OF THE STUDENT: Gasiparthi Lakshitha


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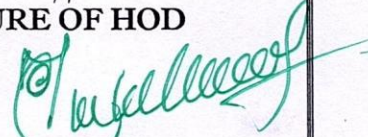
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NAME OF THE LABORATORY: ENGINEERING EXPLORATION PROJECT


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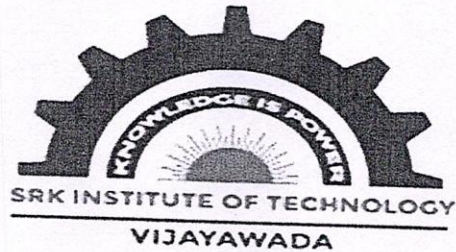

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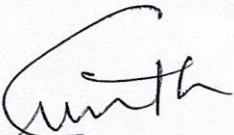
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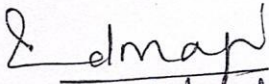
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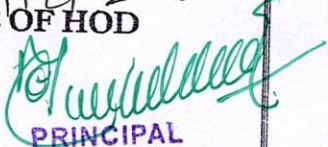
Year/ Semester: I B.Tech - II Semester

Branch: Computer Science Engineering.

NAME OF THE LABORATORY: ENGINEERING EXPLORATION PROJECT


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