

Detection of Fake Accounts in Twitter using Machine Learning Techniques

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfillment of the requirements
for the award of degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

Chandana K M	1KG18EC009
Veluru Harish	1KG18EC061
Venkatesh N	1KG18EC062
Y Dhanush	1KG18EC066

Under the Guidance of

Dr. Kishore M
Asst.professor
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Department of Electronics and Communication Engineering
K.S. School of Engineering and Management
No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109
2021-2022





**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project work entitled **Detection of Fake Accounts in Twitter using Machine Learning Techniques** is a bonafide work carried out by

Chandana K M	1KG18EC009
Veluru Harish	1KG18EC061
Venkatesh N	1KG18EC062
Y Dhanush	1KG18EC066

in partial fulfillment for the award of **Bachelor of Engineering in Electronics & Communication Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work (18ECP83)** prescribed for the degree.

Internal Guide

Dr. Kishore M
Asst. professor
Dept. of ECE

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Professor & Head
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Principal

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Principal/Director

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Bengaluru - 560 109

Dr. Girish V Attimarad
Name and Signature of Examiner-1

Dr. Karthik P
Name and Signature of Examiner-2

IMPLEMENTATION OF VEHICLE TRACKING AND LOCKING SYSTEM USING GPS & GSM

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfillment of the requirements
for the award of degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

MAYAMMA N 1KG18EC033

RAKSHITHA M R 1KG18EC044

ABHILASH P R 1KG19EC401

PAVAN V 1KG19EC406

Under the Guidance of

Mr. Sasindran Prabhu

Associate Professor, ECE, KSSEM

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2021-2022



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**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
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This is to certify that the project work entitled **Implementation of Vehicle Tracking and Locking System using GPS & GSM** is a bonafide work carried out by

MAYAMMA N **1KG18EC033**
RAKSHITHA M R **1KG18EC044**
ABHILASH P R **1KG19EC401**
PAVAN V **1KG19EC406**

in partial fulfillment for the award of **Bachelor of Engineering in Electronics & Communication Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work (18ECP83)** prescribed for the degree.

Internal Guide

Head of the Department

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Dr. K. Rama Narasimha

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Examiners

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Bangalore-560 109**

Dr. Girish V Attimarad

Dr. Girish V Attimarad
Name and Signature of Examiner-1

Dr. Karthik P

Dr. Karthik P
Name and Signature of Examiner-2



SOLAR OUTDOOR AIR-PURIFIER USING AIR QUALITY MONITORING SYSTEM

Project Work Submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfilments of the requirements
for the award of the degree of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

GANESH P K	1KG18EC040
SANTOSH R	1KG18EC049
SRIMANNARAYANA N K	1KG18EC055
SRIRAMSRINIVASAN N K	1KG18EC056

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2021-2022





**K.S SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
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CERTIFICATE

This is to certify that the project work entitled **Solar Outdoor Air-Purifier Using Air Quality Monitoring System** is a bonafide work carried out by

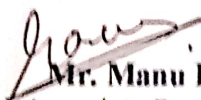
GANESH P K	IKG18EC040
SANTOSH R	IKG18EC049
SRIMANNARAYANA N K	IKG18EC055
SRIRAMSRINIVASAN N K	IKG18EC056

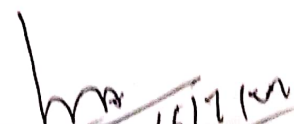
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Dr. Girish V Attimarad
Name and Signature of Examiner-1


Dr. Kasthik A
Name and Signature of Examiner-2

IMPLEMENTATION OF BRAIN CONTROLLED MINIATURE WHEELCHAIR

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfillment of the requirements
for the award of degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

BASINENI KAVERI	1KG18EC007
G GAYATHRI	1KG18EC015
KUCHE DHANUSH	1KG18EC030
MARU ASWINI	1KG18EC032

Under the Guidance of

Dr. Karthik P

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Department of ECE

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2021-2022



**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project work entitled **Implementation of Brain Controlled Miniature Wheelchair** is a bonafide work carried out by

BASINENI KAVERI	1KG18EC007
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KUCHE DHANUSH	1KG18EC030
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Internal Guide

Dr. Karthik P
Professor,
Dept. of ECE

Head of the Department

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Examiners

Name and Signature of Examiner-1

Dr Karthik P

Name and Signature of Examiner-2

A Secure IoT Based Health Monitoring System with Mechanical Ventilator

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfillment of the requirements
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BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

DEEKSHA S	1KG18EC011
HARSHITHA M	1KG18EC019
KAVYASHREE K	1KG18EC028
PRIYANKA NAG G V	1KG18EC043

Under the Guidance of
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**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
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This is to certify that the project work entitled **A Secure IoT Based Health Monitoring System with Mechanical Ventilator** is a bonafide work carried out by

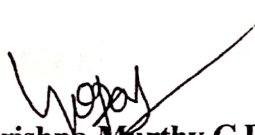
DEEKSHA S	1KG18EC011
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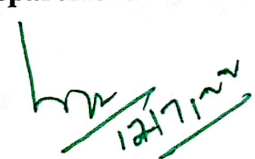
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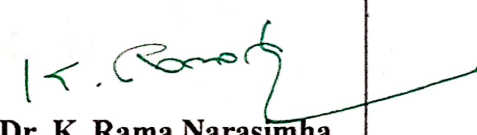
Internal Guide

**Head of the
Department**

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Mr. Gopalakrishna Murthy C R
Asst. Professor
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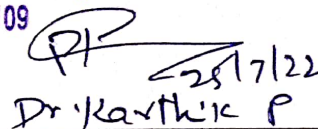

Dr. K. Rama Narasimha
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Bangalore-560 109

Examiners


Dr. L. Prithvi Babu

Name and Signature of Examiner-1


Dr. Karthik P

Name and Signature of Examiner-2

SOLDIER HEALTH MONITORING AND TRACKING SYSTEM USING LoRa WAN

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfillment of the requirements
for the award of degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

ABHISHEK M	1KG18EC001
ANU A	1KG18EC006
NAVEEN R	1KG18EC036
NIKITHA C M	1KG18EC037

Under the Guidance of

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2021-2022





KSSEM
K.S. Group of Institutions


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CERTIFICATE

This is to certify that the project work entitled **Soldier Health Monitoring and Tracking System Using LoRa Wan** is a bonafide work carried out by

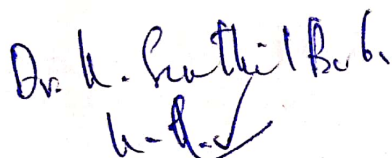
ABHISHEK M	1KG18EC001
ANU A	1KG18EC006
NAVEEN R	1KG18EC036
NIKITHA C M	1KG18EC037

in partial fulfillment for the award of **Bachelor of Engineering in Electronics & Communication Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work (18ECP83)** prescribed for the degree.


Internal Guide
11/1/2022


Mr. Puneeth S
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Examiners




Name and Signature of Examiner-1


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Bangalore - 560 109


Dr. K. Renuka B. B.

Name and Signature of Examiner-2



SIGN LANGUAGE INTERPRETATION USING MACHINE LEARNING

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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for the award of degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

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YOGESH K	1KG18EC069
CHANDAN GOWDA S	1KG19EC403
MADHU NARASIMHA	1KG19EC404

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2021-2022





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This is to certify that the project work entitled **Sign Language Interpretation Using Machine Learning** is a bonafide work carried out by


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YOGESH K **1KG18EC069**
CHANDAN GOWDA S **1KG19EC403**
MADHU NARASIMHA **1KG19EC404**


in partial fulfillment for the award of **Bachelor of Engineering in Electronics & Communication Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work (18ECP83)** prescribed for the degree.


Internal Guide

Head of the Department



Principal

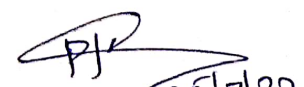


Mrs. Jayashree G R
Asst. Professor
Dept. of ECE


Dr. Girish V Attimaraad
Professor & Head
Dept. of ECE
Professor & Head


Dr. K. Rama Narasimha
KSSEM Director
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Examiners



Name and Signature of Examiner-1



Name and Signature of Examiner-2

Implementation of Smart Door System for Monitoring Body Temperature and Face Mask Detection

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

SREERAKSHA G S	1KG18EC054
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2021-2022



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**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

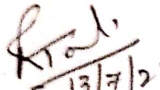
CERTIFICATE

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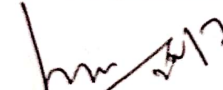
SREERAKSHA G S	1KG18EC054
VINISHA R P	1KG18EC064
YASHASWINI G	1KG18EC067
YASHASWINI G M	1KG18EC068

in partial fulfillment for the award of Bachelor of Engineering in Electronics & Communication Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work (18ECP83)** prescribed for the degree.

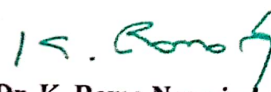
Internal Guide


13/7/22
Mrs. Renuka V Tali
Asst. Professor
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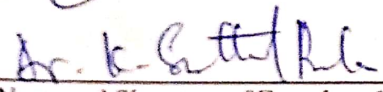
Head of the Department

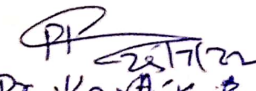

Dr. Girish V Attimarad
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Dr. K. RAMA NARASIMHA
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Examiners



Name and Signature of Examiner-1


Dr. K. A. K. P.
Name and Signature of Examiner-2

“IoT-based Approach for Fully Automated Greenhouse System”

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfillment of the requirements
for the award of degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

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J Akila	1KG18EC022
Niraj Nishant	1KG18EC038
Asmat Bashir	1KG19EC402

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2021-2022





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K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

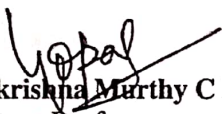
CERTIFICATE

This is to certify that the project work entitled “**IoT-based Approach for Fully Automated Greenhouse System**” is a bonafide work carried out by


Doma Devisree	1KG18EC013
J Akila	1KG18EC022
Niraj Nishant	1KG18EC038
Asmat Bashir	1KG19EC402

in partial fulfillment for the award of **Bachelor of Engineering in Electronics & Communication Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work (18ECP83)** prescribed for the degree.

Internal Guide


Mr. Gopalakrishna Murthy C R
Assistant Professor
Dept. of ECE


Head of the Department


Dr. Girish V Attimarad
Professor & Head
Dept. of ECE
Professor & Head

Principal

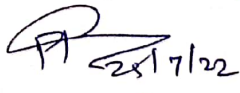

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Principal/Director
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Dr. K. Suttial Reddy
Name and Signature of Examiner-1

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Dr. Karthik P
Name and Signature of Examiner-2



IoT Based Food Monitoring System Using Low-Cost Sensors

A Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY
in partial fulfillment of the requirements
for the award of degree of

Bachelor of Engineering
in
Electronics & Communication Engineering

Submitted by

Jayanth Hegde H R	1KG17EC098
Kavitha B R	1KG17EC099
Shreyas R	1KG17EC075
Harsha	1KG16EC029

Under the Guidance of
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2021-2022





**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

CERTIFICATE

This is to certify that the project work entitled **IoT Based Food Monitoring System Using Low-cost Sensors** is a bonafide work carried out by

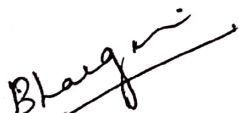
Jayanth Hegde	1KG17EC098
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Shreyas R	1KG17EC075
Harsha	1KG16EC029

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Internal Guide

Head of the Department

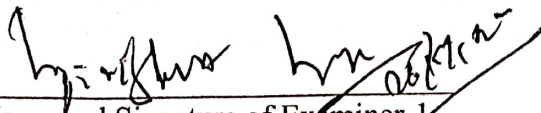
Principal



Mrs. Bhargavi Vijendra Sangam
Assistant Prof
Dept. of ECE


Dr. Girish v Attimarad
Prof & Head
Dept. of ECE
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DKSRAMA NARASIMHA
Principal/Director
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Examiners


Name and Signature of Examiner-1


Name and Signature of Examiner-2

CLOUD BASED CAR PARKING SYSTEM

Project Work Submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfilments of the requirements

for the award of the degree of

**BACHELOR OF ENGINEERING IN
ELECTRONICS AND COMMUNICATION
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Submitted by

Skanda S	1KG16EC093
Bharath A	1KG17EC013
Keerthi Mallesh	1KG17EC034
Nandini K	1KG17EC052

Under the Guidance of

Mr. Manu D K

Associate Professor

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K.S School of Engineering and Management

Department of Electronics and Communication Engineering

K.S School of Engineering and Management

No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109

2021-2022





**K.S. SCHOOL OF ENGINEERING AND MANAGEMENT
DEPARTMENT OF ELECTRONICS & COMMUNICATION
ENGINEERING**

CERTIFICATE

This is to certify that the phase 2 project work entitled “Cloud Based Car Parking System” is a bonafide work carried out by,

Skanda S	1KG16EC093
Bharath A	1KG17EC013
Keerthi Mallesh	1KG17EC034
Nandini K	1KG17EC052

in partial fulfillment for the award of **Bachelor of Engineering in Electronics and Communication Engineering** of **Visvesvaraya Technological University, Belagavi**, during the years 2021-2022. It is certified that all the suggestions indicated during the presentations and discussion have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work Phase-2 (17ECP85)** prescribed for the degree.

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Internal Guide
Mr. Manu D K

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20/17/22
Manu D K

Implementation of Warfield Surveillance Robot Using Night Vision Wireless Camera

Project Work submitted to



VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfillment of the requirements
for the award of degree of

BACHELOR OF ENGINEERING
in
ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

MOHAMMED ANAS 1KG16EC057

TAURAYS FATIMA 1KG16EC107

Under the Guidance of

Mrs. Shilpa A P
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2021-2022





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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

CERTIFICATE

This is to certify that the project work entitled **Implementation of Warfield Surveillance Robot Using Night Vision Wireless Camera** is a bonafide work carried out by

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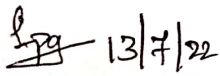
TAURAYS FATIMA 1KG16EC107


in partial fulfillment for the award of **Bachelor of Engineering in Electronics & Communication Engineering** of **Visvesvaraya Technological University, Belagavi**, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to **Project Work (15ECP85)** prescribed for the degree.


Internal Guide

Head of the Department


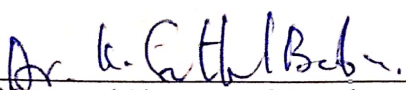
Principal

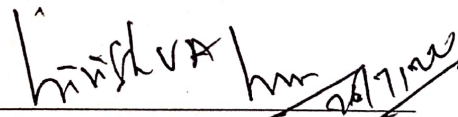

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Examiners



Name and Signature of Examiner-1


Name and Signature of Examiner-2