

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT  
BANTAKAL, UDUPI-574115  
DEPARTMENT OF MECHANICAL ENGINEERING



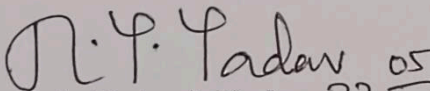
SMVITM

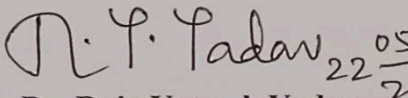
**CERTIFICATE**

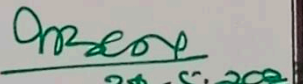
Certified that the work entitled "Study of Performance and Emission Characteristics of Four Stroke Indirect Injection (IDI) Diesel Engine with Diesel-Used Transformer Oil (UTO) blends" has been carried out by

- |                            |            |
|----------------------------|------------|
| 1. Mr. PRATHWIK            | 4MW15ME079 |
| 2. Mr. M V VIGHNESH        | 4MW19ME008 |
| 3. Mr. RAHUL R P           | 4MW19ME014 |
| 4. Mr. WELTON ASLAM DSOUZA | 4MW19ME025 |

who are bonafide students of SMVITM, Bantakal, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering discipline of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all the corrections/suggestions indicated during the internal assessment have been incorporated in the report. The project report presented has been approved, as it satisfies the academic requirement in respect of project work prescribed by the University for the award of the degree.

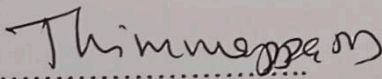
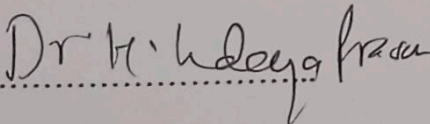
  
Dr. Raja Yateesh Yadav 22/05/2023  
Associate Professor & Guide  
Department of Mechanical Engineering,  
SMVITM, Bantakal

  
Dr. Raja Yateesh Yadav 22/05/2023  
Associate Professor & Head  
Department of Mechanical Engineering,  
SMVITM, Bantakal

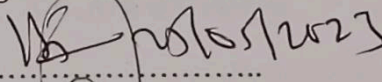
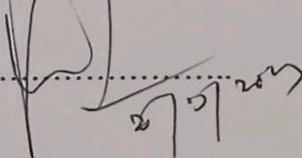
  
Dr. Thirumaleshwara Bhat 22.5.2023  
Principal  
SMVITM, Bantakal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574 115

**External Viva-Voce Examination**

Name of the Examiner

1.   
2. 

Signature with date

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT

BANTAKAL, UDUPI-574115

DEPARTMENT OF MECHANICAL ENGINEERING




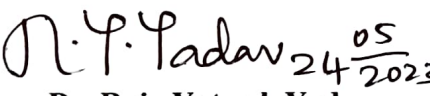
## CERTIFICATE


Certified that the work entitled "DESIGN AND DEVELOPMENT OF LEAF PLATE MOLDING MACHINE FOR PRODUCING BIODEGRADABLE PLATES FROM WASTE LEAVES" has been carried out by

- |                                |            |
|--------------------------------|------------|
| 1. Mr. CHANDAN NELLI M K       | 4MW18ME004 |
| 2. Mr. PRATHIK AMBALPADY       | 4MW20ME400 |
| 3. Mr. PRATHVIRAJ              | 4MW20ME401 |
| 4. Mr. SHESHAGIRI VAIKUNTH PAI | 4MW20ME403 |

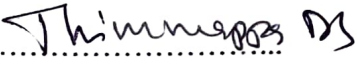

who are bonafide students of SMVITM, Bantakal, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering discipline of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all the corrections/suggestions indicated during the internal assessment have been incorporated in the report. The project report presented has been approved, as it satisfies the academic requirement in respect of project work prescribed by the University for the award of the degree.

  
Dr. Sudarshan Rao K  
Dean (Quality Assurance)  
Department of ME  
SMVITM, Bantakal

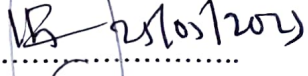
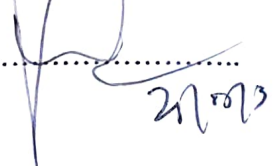
  
Dr. Raja Yateesh Yadav 24<sup>05</sup>/2023  
Associate Professor & Head  
Department of ME  
SMVITM, Bantakal  
Dept. of Mechanical Engg.  
SMVITM, BANTAKAL 574115  
External Viva

  
Dr. Thirumaleshwara Bhat  
Principal  
SMVITM, Bantakal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwathara Nagar, Udupi Dist.  
BANTAKAL 574115

Name of the Examiner

1.   
2. 

Signature with date

  
24/05/2023  
  
21/05/23

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT

BANTAKAL, UDUPI-574115

DEPARTMENT OF MECHANICAL ENGINEERING



SMVITM

## CERTIFICATE

Certified that the work entitled "HYBRID VERTICAL TURBINE ELECTRICITY GENERATOR USING VEHICULAR MOVEMENT" has been carried out by

**CHETAN A NAIK**

**USN: 4MW19ME002**

**MOHAMMED RIDAN**

**USN: 4MW19ME009**


**N GAUTHAM BHAT**

**USN: 4MW19ME010**

**SATHWIK S**

**USN: 4MW19ME017**

who are bonafide students of SMVITM, Bantakal, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering discipline of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all the corrections/suggestions indicated during the internal assessment have been incorporated in the report. The project report presented has been approved, as it satisfies the academic requirement in respect of project work prescribed by the University for the award of the degree.

 24/05/23

**Mr. Ananth M Mallia**  
Assistant Professor  
Department of ME  
SMVITM, Bantakal

 24<sup>05</sup>/<sub>2023</sub>

**Dr. Raja Yateesh Yadav**  
Associate Professor & Head  
Department of ME  
SMVITM, Bantakal  
Associate Prof & Head  
Dept. of Mechanical Engg  
SMVITM, BANTAKAL 574115

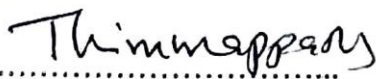
**External Viva**

 24/05/2023

**Dr. Thirumaleshwara Bhat**  
Principal

SMVITM, Bantakal  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Visvesvaraya Department of Engg  
Bantakal, Udupi

**Name of the Examiner**

1. 

2. 

**Signature with date**

 24/05/2023



SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT

BANTAKAL, UDUPI-574115

DEPARTMENT OF MECHANICAL ENGINEERING



SMVITM

## CERTIFICATE

Certified that the work entitled "Design and Fabrication of Tamarind and Salt Mixing Machine" has been carried out by

1. Mr. H J GAGAN

4MW19ME003

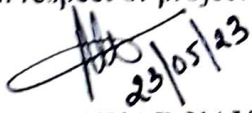
2. Mr. RAVIRAJ

4MW19ME016


3. Mr. SUBRAMANYA S POOJARY

4MW19ME021

who are bonafide students of SMVITM, Bantakal, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering discipline of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all the corrections/suggestions indicated during the internal assessment have been incorporated in the report. The project report presented has been approved, as it satisfies the academic requirement in respect of project work prescribed by the University for the award of the degree.


  
23/05/23  
**Dr. MADHUKAR NAYAK**  
Associate Professor & Guide  
Department of Mechanical Engineering,  
SMVITM, Bantakal

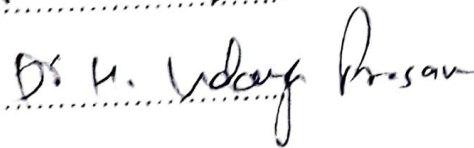
  
23<sup>05</sup>/2023  
**Dr. Raja Yateesh Yadav**  
Associate Professor & Head,  
Department of Mechanical Engineering,  
SMVITM, Bantakal  
Associate Prof & Head  
Dept. of Mechanical Engg.  
SMVITM, BANTAKAL 574115

  
24/5/2023  
**Dr. Thirumaleshwara Bhat**  
Principal,  
SMVITM, Bantakal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwathama Nagar Udupi Dist.  
BANTAKAL 574 115

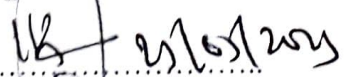
### External Viva-Voce Examination

Name of the Examiner

1. 

2. 

Signature with date

  
23/05/2023

  
27/5/23

SRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT

BANTAKAL, UDUPI-574115

DEPARTMENT OF MECHANICAL ENGINEERING



**SMVITM**

# CERTIFICATE

Certified that the work entitled "INVESTIGATION OF MICROSTRUCTURE, MECHANICAL PROPERTIES AND CORROSION BEHAVIOUR OF MDFed Mg BASED ALLOY" has been carried out by

1. Mr. K AMBRUTHESH

4MW19ME004

2. Mr. SUMANTH G HEGDE

4MW19ME023

3. Mr. PUNITH R

4MW19ME026

4. Mr. SHARATH KUMAR S

4MW20ME402

who are bonafide students of SMVITM, Bantakal, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering discipline of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all the corrections/suggestions indicated during the internal assessment have been incorporated in the report. The project report presented has been approved, as it satisfies the academic requirement in respect of project work prescribed by the University for the award of the degree.

Mr. Aditya Kudva S  
Sr. Assistant Professor  
Department of ME  
SMVITM, Bantakal

Dr. Raja Yateesh Yadav  
Associate Professor & Head  
Department of ME  
SMVITM, Bantakal  
Associate Prof. & Head  
Dept. of Mechanical Engg.  
SMVITM, BANTAKAL 574115

Dr. Thirumaleshwara Bhat  
Principal  
SMVITM, Bantakal  
SRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwathama Nagar, Udupi Dist.  
BANTAKAL - 574 115

## External Viva

Name of the Examiner

1. Thimmappa  
2. Dr. H. H. H. H. H.

Signature with date

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT  
BANTAKAL, UDUPI-574115  
DEPARTMENT OF MECHANICAL ENGINEERING



SMVITM

CERTIFICATE

Certified that the work entitled "SOLAR POWERED GRASS TRIMMER WITHOUT BATTERY" has been carried out by

- |                  |            |
|------------------|------------|
| 1. Mr. KIRAN     | 4MW19ME005 |
| 2. MR. LIKITH    | 4MW19ME006 |
| 3. MR. LOHITH    | 4MW19ME007 |
| 4. MR. PRASHANTH | 4MW19ME013 |

who are bonafide students of SMVITM, Bantakal, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering discipline of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all the corrections/suggestions indicated during the internal assessment have been incorporated in the report. The project report presented has been approved, as it satisfies the academic requirement in respect of project work prescribed by the University for the award of the degree.

Dr. Manjunath S  
Sr. Assistant Professor  
Department of ME  
SMVITM, Bantakal

Dr. Raja Yateesh Yadav  
Associate Professor & Head  
Department of ME  
SMVITM, Bantakal

Dr. Thirumaleshwara Bhat  
Principal  
SMVITM, Bantakal  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574115

External Viva

Name of the Examiner

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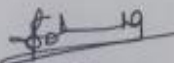
Signature with date


SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT  
Vishwotham Nagar, Bantakal — 574115, Udupi District Karnataka INDIA  
Department of Computer Science and Engineering.



### CERTIFICATE

Certified that the Project Work titled "Translation Of Kannada Text From Image To English Text Using OCR Technology" is carried out by Ms.Prasannashree USN:4MW19CS067, Ms.Pratheeksha USN:4MW19CS068, Ms.Deekshitha S USN:4MW20CS400, Ms.Nikitha N Nayak USN:4MW20CS401 bonafide students of Shri Madhwa Vadiraja Institute Of Technology And Management, in partial fulfilment for the award of the degree of Bachelor Of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgavi during the year 2022-2023. It is certified that all the corrections/suggestions indicated for internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

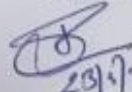
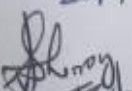
  
Ms. Sahana  
Project Guide  
Dept. of CSE

  
Dr. Sowmya J Bhat  
Professor and Head  
Dept. of CSE

  
Dr. Thirumaleshwara Bhat  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar Udupi Dist.  
BANTAKAL  
Signature with Date

Dept. of Comp. Science & Engg.  
Name of the examiner **SMVITM BANTAKAL** External Viva

1. Sudarshan k.
2. Savitha. A. Shetty

  
23/5/23  
  
25/05/2023

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL - 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering



SMVITM

## CERTIFICATE

Certified that the Project Work titled 'Stock Market Prediction Using ML Algorithm' is carried out by Mr. Shreekumar Vishnu Bhat, USN: 4MW19CS090, Mr. Sujith Prabhu, USN: 4MW19CS096, Mr. Aryan S Batny, USN: 4MW19CS019, Mr. T Sreesha, USN: 4MW19CS104, a bona fide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfilment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

*Sharath*  
22/5/23

Mr. Sharath Kumar

Project Guide

Dept. of CSE

*Sr*  
Dr. Soumya J Bhat  
Dept. of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574 115

Dept. of CSE

External Viva

*Thirumaleshwara*  
23/5/2023  
Dr. Thirumaleshwara Bhat

Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

Signature with Date

Name of the Examiners:

1. Sudarshan k.
2. Savitha. A-Shenoy

*S*  
23/5/23  
*Ashenoy*  
23/05/2023



# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL - 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Fake Product Detection using Blockchain' is carried out by **Mr. Purvash P Gangolli, Mr. Rakshith H Kalmadi, Mr. Reon Britto, Mr. Sampath Kumar M G**, USN: 4MW19CS071, 4MW19CS074, 4MW19CS076, 4MW19CS078 a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

*Bhat*  
22/5/23  
**Ms. Rukmini Bhat B**  
Project Guide  
Dept. of CSE

*Sy*  
**Dr. Soumya J. Bhat**  
Head of the department  
Dept. of CSE  
**Head**

*Princpal*  
22/5/2023  
**Dr. Thirumaleshwara Bhat**  
Principal  
**SHRI MADHWA VADIRAJA**  
**INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574 115

**Dept. of Comp. Science & Engg**  
**SMVITM, BANTAKAL-574 115**  
**External Viva**

Name of the Examiners:

1. Sudarshan k
2. Savitha. A. Shenoy

Signature with Date

*Sudarshan k*  
23/5/23  
*Shenoy*  
23/5/2023

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

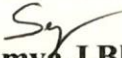
## Department of Computer Science and Engineering

### CERTIFICATE

Certified that the Project Work titled 'Rice Grading and Quality Analysis' is carried out by **Ms. Bhagyalakshmi B Shetty** USN:4MW19CS025, **Ms. Chaitra Shetty** USN:4MW19CS028, **Ms. Deeksha Shetty** USN:4MW19CS031, **Ms. Manjushree Bhomkar** USN:4MW19CS053, bonafide students of **Shri Madhwa Vadiraja Institute of Technology and Management**, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.



**Ms. Sowmya S**  
Project Guide  
Dept. of CSE



**Dr. Soumya J Bhat**  
Head of the Department  
Dept. of CSE

**Dept. of Comp. Science & Engg.**  
**SMVITM, BANTAKAL-574115**



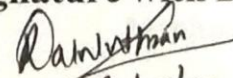
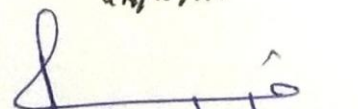
**Dr. Thirumaleshwara Bhat**  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

### External Viva

#### Name of the examiner

1. **RAKSHA P**
2. **RANJAN KUMAR H.S.**

#### Signature with Date

  
24/5/23  
24/5/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

## Department of Computer Science and Engineering

### CERTIFICATE

Certified that the Project Work titled ‘**Sign Language Recognition System**’ is carried out by **Ms. M Sowmitha Pai**, USN: 4MW19CS050, **Ms. Anjali Shet**, USN: 4MW19CS013, **Mr. Ankush Hegde**, USN: 4MW19CS014, **Ms. Anujna**, USN: 4MW19CS015 a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

**Ms. Sowmya S**  
Project Guide  
Assistant Professor  
Dept. of CSE

**Dr. Sowmya J Bhat**  
Head of Department  
Dept. of CSE

**Dr. Thirumaleshwara Bhat**  
Principal

### External Viva

**Name of the Examiners:**

1.

2.

**Signature with Date**

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

## Department of Computer Science and Engineering

### CERTIFICATE

Certified that the Project Work titled 'Game development using Unity' is carried out by Mr.Akash S Kotian, USN: 4MW19CS006, Mr.Anantha Krishna Ramachandra, USN: 4MW19CS008, Mr.Manish Prakash Shriyan, USN: 4MW19CS052, Ms.Manvitha Ananth Nilekani, USN: 4MW19CS055, a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.



Ms. Sowmya

Project Guide

Dept. of CSE

Dr. Soumya Bhat

Head of the department

Dept. of CSE

**Head**  
**Dept. of Comp. Science & Engg.**  
**SMVITM, BANTAKAL, 574115**

Dr. Thirumaleshwara Bhat

Principal

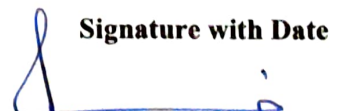
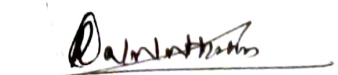
**SHRI MADHWA VADIRAJA**  
**INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574115

### External Viva

Name of the Examiners:

1. RANJAN KUMAR H'S.
2. RAKSHA P

Signature with Date

  
  
24/05/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL - 574 115, Udupi District, Karnataka, INDIA

## Department of Computer Science and Engineering

### CERTIFICATE

Certified that the Project Work titled 'Multi Doc Parser for Scholarship System using Google Cloud Platform' is carried out by Ms.Raksha B Kottari, USN: 4MW19CS073, Ms.Shreya S, USN: 4MW19CS093, Ms. Rakshith Acharya, USN: 4MW19CS121 a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

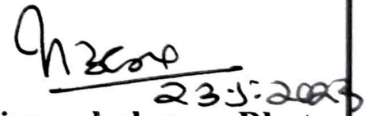


Ms. Sowmya  
Project Guide  
Dept. of CSE



Dr. Soumya J Bhat  
Head of Department  
Dept. of CSE

**Dept. of Comp. Science & Engg.**  
**SMVITA, BANTAKAL - 574 115**  
External Viva



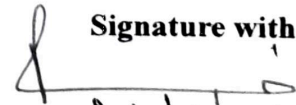
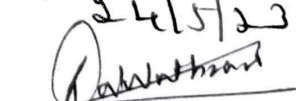
Dr. Thirumaleshwara Bhat  
Principal  
SMVITA, BANTAKAL  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

**Name of the Examiners:**

1. RANJAN KUMAR HS

2. RAKSHA P

**Signature with Date**

  
24/05/23  
  
24/05/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

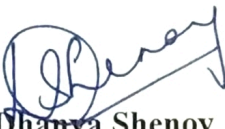
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Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

## Department of Computer Science and Engineering


### CERTIFICATE

Certified that the Project Work titled 'Chronic Kidney Disease Prediction using Machine Learning' is carried out by Ms.Shreya S, USN: 4MW19CS092 ,Mr.Swasthik M Acharya, USN: 4MW19CS101,Mr.Prathik V Shenoy, USN: 4MW19CS069 ,Mr.Preran S Jathan, USN: 4MW19CS070 a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
Ms. Dhanya Shenoy  
Project Guide  
Dept. of CSE

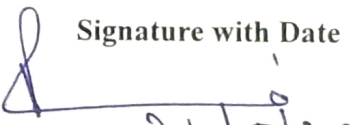
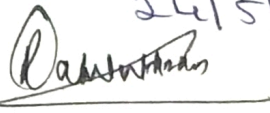
  
Dr. Soumya J Bhat  
Head of Department  
Dept. of CSE

**Head**  
**Dept. of Comp. Science & Engg.**  
**SMVITM, BANTAKAL-574 115**  
**External Viva**

  
23-5-2023  
Dr. Thirumaleshwara Bhat  
Principal  
SMVITM, Bantakal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY AND MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
KARNATAKA-574 115

Name of the Examiners:

1. RANJAN KUMAR HS
2. RAKSHA PUTHAN

Signature with Date  
  
24/5/23  
  
24/05/23

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT

Vishwothama Nagar, Bantakal- 574115, Udupi District, Karnataka, India

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work titled 'Movie Recommendation System' is carried out by Ms.Prajna S USN: 4MW19CS066, Ms.Sachiha USN: 4MW19CS077, Ms.Sukanya S Naik USN: 4MW19CS097, Ms.Swathi K USN: 4MW19CS102, bonafide students of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

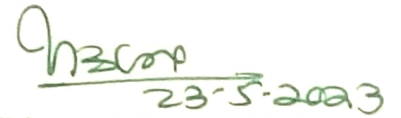


Ms. Dhanya Shenoy  
Project Guide  
Dept. of CSE



Dr. Soumya J Bhat  
Head of the Department  
Dept. of CSE

**Dept. of Comp. Science & Engg.**  
**SMVITA, BANTAKAL - 574115**



23-5-2023

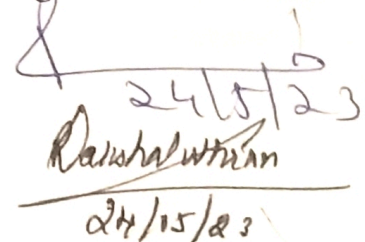
Dr. Thirumaleshwara Bhat  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574115

External Viva

Name of the examiner

Signature with Date

1. RANJAN KUMAR HS
2. RAKSHA P



24/5/23  
Ranjankumar  
24/5/23


# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT


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Vishwothama Nagar, BANTAKAL - 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

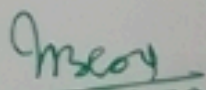
## CERTIFICATE

Certified that the Project Work titled 'Driver Drowsiness Detection System' is carried out by Ms. Anusha, USN: 4MW19CS016, Ms. Chaithrakala, USN: 4MW19CS027, Ms. Dhathri Tendulkar, USN: 4MW19CS032, Ms. Jelena Riya Lewis, USN: 4MW19CS041 a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
Dr. Sadananda L  
Project Guide  
Dept. of CSE

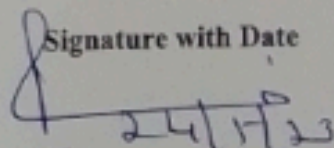
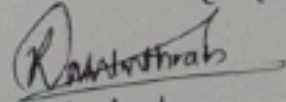
  
Dr. Sowmya Bhat  
Head of Department  
Dept. of CSE

**Dept. of Comp. Science & Engg.**  
**SMVITM, BANTAKAL - 574 115**  
External Viva

  
23-5-2023  
Dr. Thirumaleshwara Bhat  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist,  
BANTAKAL - 574 115

Name of the Examiners:

1. RANJAN KUMARHS
2. RAKHA P

Signature with Date  
  
24/11/23  
  
24/10/23



# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Classification of News Based on Location Using ML Algorithms' is carried out by Mr. Nishith Shetty USN: 4MW19CS059, Mr. Nithanth Marate USN: 4MW19CS061, Mr. Nishanth R Amin USN: 4MW19CS058 and Mr Aniruddh Raveesh, USN: 4MW19CS011 are bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

Dr. Sadananda L  
Project Guide  
Dept. of CSE

Dr. Sowmya J Bhat  
Head of Department  
Dept. of CSE

Head

Dept. of Comp. Science & Engg.  
SMVITM, BANTAKAL - 574115

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23-5-2023

Dr. Thirumaleshwara Bhat  
Principal

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

Name of the Examiners:

1. RANJAN KUMAR HS
2. RAKSHA P

Signature with Date

  
24/5/23  
Raksha P  
24/5/23

**SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY &  
MANAGEMENT**

Vishwothama Nagar, Bantakal- 574115, Udupi District, Karnataka,  
India

**Department of Computer Science & Engineering**

**CERTIFICATE**

Certified that the Project Work titled 'Travel Guide Management System–Easy Viaje' is carried out by Ms. Jeevitha USN:4MW19CS040, bonafide students of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

*Yashaswini A S*  
23/5/23

Ms Yashaswini A S  
Project Guide  
Dept. of CSE

*Sq*  
Dr. Soumya J Bhat  
Head of the Department  
Dept. of CSE

*Head*  
Dept. of Comp. Science & Engg.  
SMVITM, BANTAKAL-574115

*Thirumaleshwara Bhat*  
23.5.2023  
Dr. Thirumaleshwara Bhat  
Principal

**External Viva**

**Name of the examiner  
with Date**

1. RANJAN KUMAR H S
2. LAKSHI P

**Signature**

*Ranjana*  
24/5/23  
Ranjana  
24/05/2023

ACKNOWLEDGEMENT

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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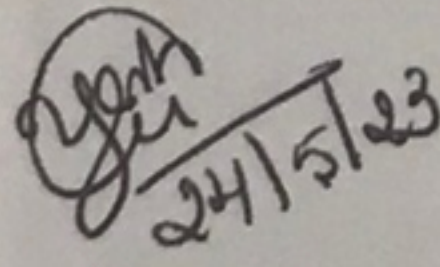
Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

**Department of Computer Science and Engineering**

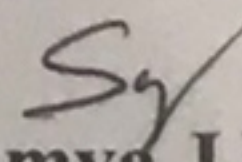
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## CERTIFICATE

Certified that the Project Work titled 'Agricultural Tools Rental Web Application' is carried out by Mr. Adithya M Samaga USN: 4MW19CS003, Mr. Ashlesh H Gams USN: 4MW19CS021, Mr. Gautam N Shet USN: 4MW19CS036, Mr. Hariprasad Bhat K USN: 4MW19CS037, a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgavi during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
Ms. Yashaswini A S

Project Guide  
Dept. of CSE

  
Dr. Soumya J Bhat

Head of the department  
Dept. of CSE

**Dept. of Comp. Science & Engg.**  
**SMVITM BANTAKAL-574 115**

**External Viva**

  
Dr. Thirumaleshwara Bhat

Principal

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY & MANAGEMENT

Vishwothama Nagar, Udupi Dist.

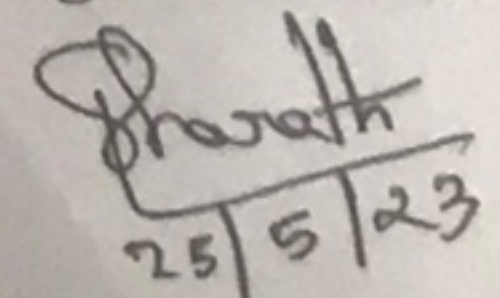
BANTAKAL - 574 115

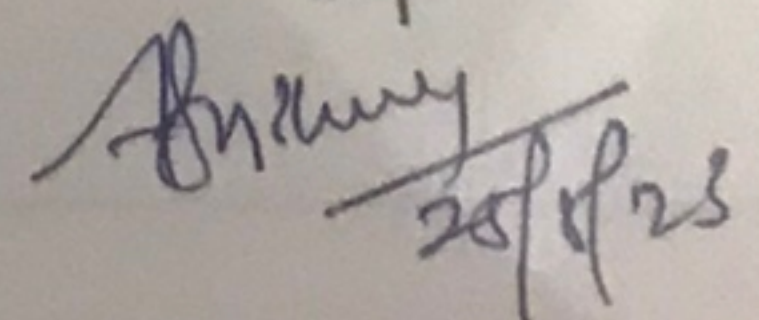
Name of the Examiners:

1. Sharath Kumar

2. Ansmaranjan K

Signature with Date

  
25/5/23

  
25/5/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust @, Udupi)

Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled '**Disease Prediction System using Machine Learning**' is carried out by **Mr. Yajnesh**, USN: **4MW19CS120**, **Mr. Varun Ramachandra Naik**, USN: **4MW19CS113**, **Mr. Vishwas Prabhu**, USN: **4MW19CS118** and **Mr. Uttam Naik**, USN: **4MW19CS108** a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfilment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.



**Ms. Vijetha**  
Project Guide  
Dept. of CSE



**Dr. Sowmya J Bhat**  
Professor and Head  
Dept. of CSE

**Head**  
**Dept. of Comp. Science & Engg.**  
**SMVITM, BANTAKAL-574 115**  
**External Viva**



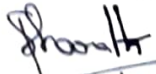

**Dr. Thirumaleshwara Bhat**

Principal  
Principal  
**SHRI MADHWA VADIRAJA**  
**INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574 115

**Name of the Examiners:**

1. Sharath Kumar
2. Abhinarjan k.

**Signature with Date**

  
25/5/23  
  
25/5/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

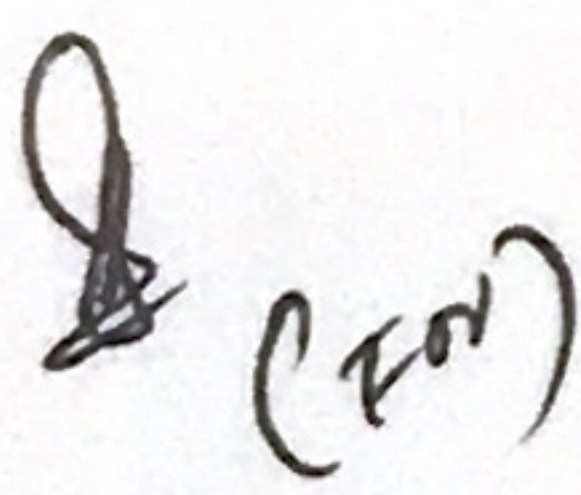
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Vishwothama Nagar, BANTAKAL - 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled ' **Brain Tumor Detection using Machine Learning** ' is carried out by **Ms.Uchil Deepta L**, USN: **4MW19CS107** , **Ms.Sardar Afifa**, USN: **4MW19CS081**, **Mr.Qais Sheikh**, USN: **4MW19CS072** , **Ms.Shradda B Chatra**, USN: **4MW19CS084** a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
**Ms. Vijetha**  
Project Guide  
Dept. of CSE

  
**Dr. Soumya J Bhat**  
Head of Department  
Dept. of CSE

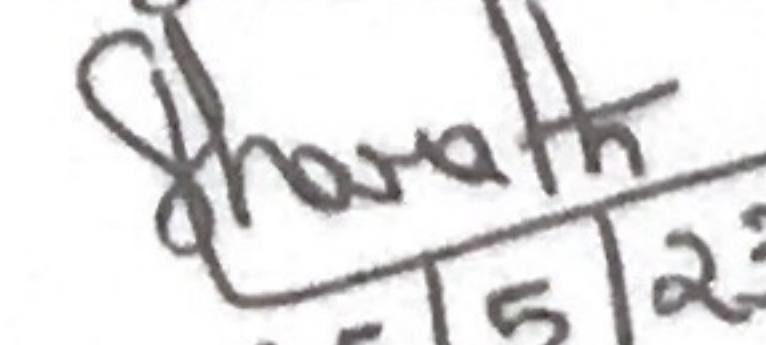
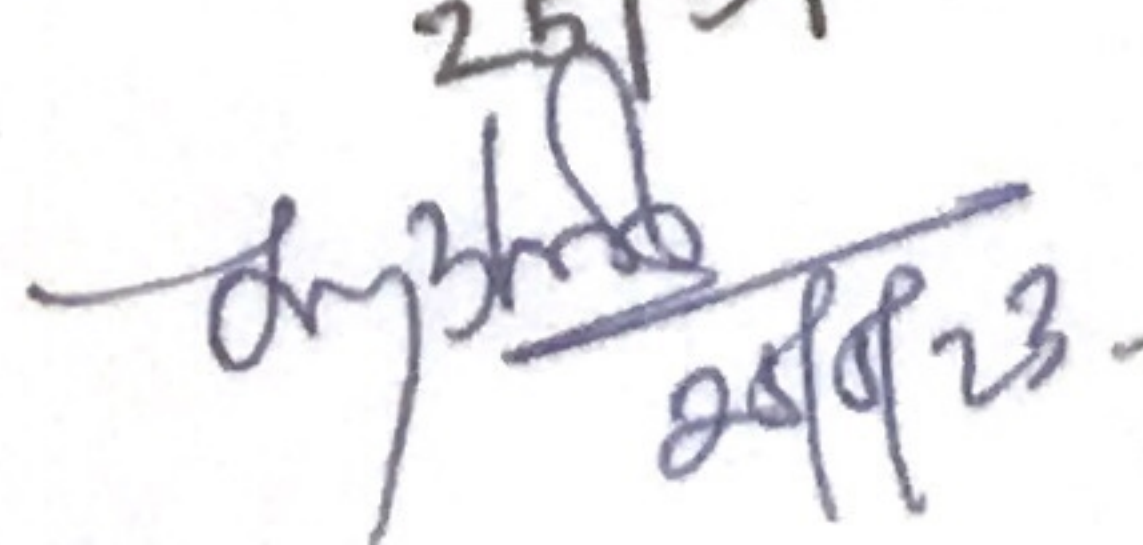
**Dept. of Comp. Science & Engg.**  
**SMVITM, BANTAKAL-574 115**  
**External Viva**

  
**Dr. Thirumaleshwara Bhat**  
Principal  
SMVITM, BANTAKAL  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574 115

Name of the Examiners:

1. **Shareeth Kumar**
2. **Alismaranjan K**

Signature with Date

  
25/5/23  
  
25/5/23

**SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

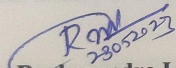
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Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA


Department of Computer Science and Engineering

**CERTIFICATE**

Certified that the Project Work titled 'Detection of Cholesterol and Diabetes using Iris Recognition' is carried out by Ms. Avanti V Rao USN : 4MW19CS022 , Ms. Ananya D USN : 4MW19CS009, Mr. Akash USN : 4MW19CS004 and Mr. Akash G S Kumar USN:4MW19CS005, bonafide students of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

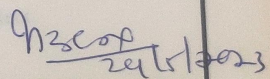
  
Mr. Raghavendra I Hegde  
Project Guide

Dept. of CSE

  
Dr. Soumya J Bhat  
Head of the Department

Dept. of CSE

**Dept. of Comp. Science & Engg.  
SMVITB BANTAKAL-574115**

  
Dr. Thirumaleshwara Bhat  
Principal

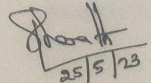
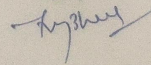
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574 115

**External Viva**

Name of the examiner  
Date

1. Sharath Kumar
2. Abhinarjan le

Signature with

  
25/5/23  


# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

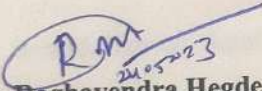
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
Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

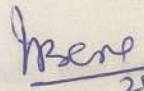
## Department of Computer Science and Engineering

### CERTIFICATE

Certified that the Project Work titled 'Strix-Local Business Finder' is carried out by **Mr. Abhishek Dayanand Hegde**, USN: 4MW19CS002 , **Mr. Gaurav Acharya**, USN: 4MW19CS035, **Mr. Jnanesh B S**, USN: 4MW19CS042, **Mr. Manoj Muralidhar Bhagawath**, USN: 4MW19CS054, a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
**Mr. Raghavendra Hegde**  
Project Guide  
Dept. of CSE

  
**Dr. Soumya J Bhat**  
Head of the department  
Dept. of CSE

  
**Dr. Thirumaleshwara Bhat**  
Principal

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Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574 115

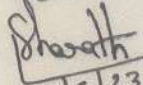
**Dept. of Comp. Science & Engg.**  
**SMVITH, BANTAKAL-574 115**

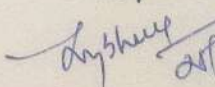
### External Viva

Name of the Examiners:

1. **Shorath Kumar**
2. **- Ashimantyan le**

Signature with Date

  
25/5/23

  
25/5/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

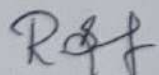
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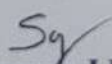
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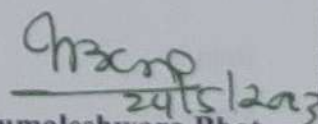
Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Smart Vision for Visually Challenged People using Machine Learning Algorithms' is carried out by Ms. Anjali USN: 4MW19CS012, Ms. Anusha USN: 4MW19CS017, Ms. Ayesha Sadiya USN: 4MW19CS023, and Ms. B T Anvit USN: 4MW19CS024, bonafide students of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
Ms. R Soundharya  
Project Guide  
Dept. of CSE

  
Dr. Soumya J Bhat  
Head of the department  
Dept. of CSE

  
Dr. Thirumaleshwara Bhat  
Principal  
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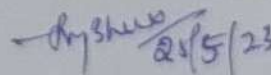
**Dept. of Comp. Science & Engg.**  
**SMVITM, BANTAKAL-574 115**  
**External Viva**

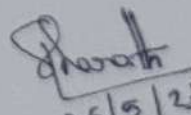
SHRI MADHWA VADIRAJA  
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Name of the Examiners:

1. Athimaranjan K
2. Shasath Kumar

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24/5/23

  
25/5/23



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Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Prediction of Mental Health Illness using Machine Learning Algorithms' is carried out by Ms. Moazzami Mukhtar Ahmed USN: 4MW19CS056, Ms. Nabecha Banu USN: 4MW19CS057, Ms. Niveditha Nanda Kumar USN: 4MW19CS062, Ms. Shravya Kamath U USN: 4MW19CS089 bonafide students of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of the Project Work prescribed for the said Degree.

R.S.J.

Ms. R Soundharya

Project Guide

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Sy

Dr. Soumya J Bhat

Head of the department

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Inzere  
24/5/23

Dr. Thirumaleshwara Bhat

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Name of the Examiners:

1. Sharath Kumar
2. Ashimaranpu k

Signature with Date

Sharath  
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Ashimaranpu k  
25/5/23

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Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Tours and Travels' is carried out by Mr. Karthik V Shetty, USN: 4MW19CS046, Mr. Abhinava Karanth, USN: 4MW19CS001, Mr. Akshay Kumar, USN: 4MW19CS007, Mr. Eshaan U Kundar, USN: 4MW19CS034 a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

*Chaitra*  
Ms. Chaitra Bhat M  
Project Guide  
Assistant Professor  
Dept. of CSE

*Sy*  
Dr. Sowmya J Bhat  
Head of Department  
Dept. of CSE

*Thirumaleshwara Bhat*  
Dr. Thirumaleshwara Bhat  
Principal

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Principal  
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Name of the Examiners:

1. *Shorath Kumar*

2. *Abhimanjan K*

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*Shorath*  
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*Abhimanjan*  
20/5/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Vishwothama Nagar, BANTAKAL - 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Farmer's Assistance Portal for Better Crop Production' is carried out by Ms. Vaishnavi K R, USN:4MW19CS110, Ms. Vaishnavi D, USN:4MW19CS109, Ms. Vaishnavi V Bhat, USN: 4MW19CS111, Mr. Tarun R Shetty, USN:4MW19CS105, a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

*Chaitra*  
Ms. Chaitra Bhat M

Project Guide  
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*Soy*  
Dr. Soumya J Bhat

Head of the department  
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**Head**

**Dept. of Comp. Science & Engg.**  
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*Chiray*  
Dr. Thirumaleshwara Bhat

Principal  
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Name of the Examiners:

1. Sharath Kumar
2. Arsmaranjan

Signature with Date

*Sharath*  
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*Soumya*  
25/5/23

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Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Sentiment classification on Women safety across Indian Cities using Natural Language processing and Machine learning' is carried out by Mr. VARUN USN: 4MW18CS095, Ms. DISHASHREE USN: 4MW19CS033, Ms. J TRESHIKA USN: 4MW19CS039, Ms. KAJAL KUMARI USN: 4MW19CS044 who are the bonafide students of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

*Preethi M*  
25/05/23  
Mrs. Preethi M  
Project Guide  
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*Soy*  
Dr. Soumya J Bhat  
Head of the department  
Dept. of CSE  
Head  
Dept. of Comp. Science & Engg.  
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*Thirumaleshwara Bhat*  
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Dr. Thirumaleshwara Bhat  
Principal  
Principal  
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Name of the Examiners:

Date

1. Sharath Kumar
2. Anshumanjan k

Signature with

*Sharath*  
26/5/23

*Anshumanjan k*  
28/5/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Vishwothama Nagar, BANTAKAL – 574 115, Udupi District, Karnataka, INDIA

Department of Computer Science and Engineering

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*Preethi M*  
*25/05/23*  
Mrs. Preethi M  
Project Guide  
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*Soumya*  
Dr. Soumya J Bhat  
Head of the department  
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*Thirumaleshwara Bhat*  
*25/05/23*  
Dr. Thirumaleshwara Bhat  
Principal

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### External Viva

Name of the Examiners:  
Date

1. Sharath Kumar
2. Anishwaranjan K

Signature with

*Sharath*  
*26/5/23*

*Anishwaranjan*  
*26/5/23*


# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT


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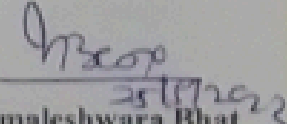
Department of Computer Science and Engineering

## CERTIFICATE

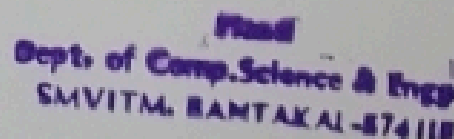
Certified that the Project Work titled 'A Blockchain Based Authentication System for Digital Documents' is carried out by Mr. Santhosh, USN: 4MW19CS080, Mr. Sukumara C Shetty, USN: 4MW19CS098, Mr. Vishal Chalwadi, USN: 4MW19CS117, Mr. Shanbhag Karthikeya, USN: 4MW20CS402, a bonafide student of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
Mr. Ranjan Kumar H S  
Project Guide  
Dept. of CSE

  
Dr. Soumya J Bhat  
Head of the department  
Dept. of CSE

  
Dr. Thirumaleshwara Bhat  
Principal

Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar Udupi Dist.  
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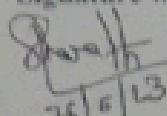
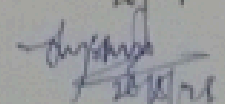
  
Dept. of Comp. Science & Engg.  
SMVITM BANTAKAL-574115

### External Viva

Name of the Examiners:

1. Sharath Kumar
2. Anjan Kumar K

Signature with Date

  
26/5/23  
  
26/5/23

# SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

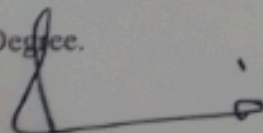
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
Vishwothama Nagar, BANTAKAL - 574 115, Udipi District, Karnataka, INDIA

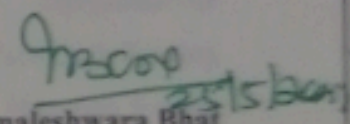
Department of Computer Science and Engineering

## CERTIFICATE

Certified that the Project Work titled 'Image Processing Using RRNS' is carried out by Ms. Vijayalakshmi, USN:4MW19CS115, Ms. Varshini V Poojary, USN: 4MW19CS112, Ms. Shamitha S Amin, USN:4MW19CS082, Ms. Sanjana S, USN: 4MW19CS079, bonafide students of Shri Madhwa Vadiraja Institute of Technology and Management, in partial fulfillment for the award of the degree of **Bachelor of Engineering** in Computer Science and Engineering of Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all the corrections/ suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the said Degree.

  
Mr. Ranjan Kumar H S  
Project Guide  
Dept. of AI & ML

  
Dr. Soumya J Bhat  
Head of the department  
Dept. ~~of AI & ML~~


  
Dr. Thirumaleshwara Bhat  
Principal  
Principal  
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Name of the Examiners:

1. Sharath Kumar
2. Animesh Kumar le

  
28/11/2022