SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY **BENGALURU - 562157**

2023-2024

CERTIFICATE

This is to certify that the Project work entitled "Characterization and formulation of medicated milk from Mucuna pruriens" is a bonafide work carried out by Aakriti Shankar (1MV20BT001), Adeen (1MV20BT003), Bhoomika Y K(1MV20BT009) and Syeda Ayesha(1MV20BT025) bonafide students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfillment for the award of Bachelor of Engineering in Department of Biotechnology during the year 2020-2024.

Signature of guide

Dr. H G Nagendra Dr. Rashmi K V

Professor and Head Associate Professor

Department of Biotechnology Department of Biotechnology

Sir MVIT Sir MVIT

Situral

1). Dr. chaitra. B.S

Signature of HOD

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishmapay Rakeshusasamaranahaili

International Aimout Road, Bangalore-562 137 Principal Sir MVIT

2). Dr. Tehwar Chardio

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY HUNSAMARANAHALLI, BENGALURU - 562157 DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project work entitled "Preparation of wine from Japanese cherry and examining its suitability for development as a Health drink" is a bonafide work carried out by Ms. Akshatha V (1MV20BT007), Ms. Chethana R C (1MV20BT012), Mr. Rohith TR (1MV20BT020) and Mr. Rohith John Cherian (1MV19BT020) in partial fulfillment for the award of Degree of Bachelor of Engineering in Biotechnology under Visvesvaraya Technological University, Belgaum during the year 2020-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelors of Engineering Degree.

Signature of Guide

Dr. Ishwar Chandra

Assistant Professor

Dept of Biotechnology

shature of HOD

Dr. H.G. Nagendra

Prof &head

Dept of Biotechnology

Signature pof Principal

Rakesh S Ginasamaranahalii Ficati, Bangalore-562 157

International Principal

Sir MVIT

External 1). Dr. Chartra B.S Charles). Dr. Jehnor Charl

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY HUNSAMARANAHALLI, BENGALURU – 562157 DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project work entitled "Utilization of dairy sludge for the production of biodiesel" is a bonafide work carried out by Ms. Chaitra C Mudukanagoudra(1MV20BT010), Ms. Chandini P (1MV20BT011) and Mr. Dheeraj M R (1MV20BT013) in partial fulfilment for the award of Degree of Bachelor of Engineering in Biotechnology under Visvesvaraya Technological University, Belgaum during the year 2020-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelors of Engineering Degree.

Signature of Guide

Dr. Ishwar Chandra

Assistant Professor

Dept of biotechnology

PRINCIPAL

Signature of the Guide

Mr. Manjunath R

Assistant professor

Dept of biotechnology

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasemaranahalli International Aircoat Stead, Bangalore-562 157

Prof. Rakesh S G

Principal

Sir MVIT

Dr. H G Nagendra

Prof &head

Dept of Biotechnology

aterol epartment of BT. Sir MVIT

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU - 562157

2022-2023

CERTIFICATE

This is to certify that the Project work entitled "THERAPEUTIC PROPERTIES OF HERICIUM ERINACEUS (LION'S MANE MUSHROOM)" is a bonafide work carried out by Abhinav G Kashyap (1MV20BT002) and Prithvi Ravi (1MV20BT019), bonafide students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfilment for the award of Bachelor of Engineering in Department of Biotechnology during the year 2020-2024.

Signature of guide

Dr. P Hariharan

Assistant Professor

Department of Biotechnology

Sir MVIT

Signature of HOD

Dr. H.G. Nagendra

Professor and Head

Department of Biotechnology

Signature of Principal

Krishir Prior a Rakesh & Command and

International Airport Road, Sangabre-Sci. 157 Principal Sir MVIT

SIR M. VISVESVARAYA INSTITUTE SE

Sir MVIT

Schenal
1). Dr. Chaitra B.S Chatter 123

A. Ishwar Charder



CERTIFICATE

This is to certify that the report of the project entitled "Assessment of Salivary Antioxidant Levels in Vegetarian and Non-Vegetarian Adults- Relation to Oral Health" is a bonafide work carried out by Kangan M bearing the USN 1MV20BT029 respectively, in partial fulfillment for the completion of BACHELOR OF ENGINEERING In BIOTECHNOLOGY under the VISVESVARAYA TECHNOLOGICAL

BELGAUM during the year 2020-2024, it is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of Project Guide

Dr. Mrinalini Menon

Associate professor,

Department of

Biotechnology,

Sir MVIT, Bengaluru

Signature of External Project

Guide

Dr. Radhika M B

Head of the Department,

Oral Pathology,

KCDSH, Bengaluru

R M-VISVESVARAYA INSTITUTE OF TECHNO Krishnedevarayanagar, Hunasam

International run part Artimetical Ingalo.

Prof. Rakesh S.G.

Head of Department,

Principal,

Department of

Signature of HOD

Dr. H G Nagendra

Sir MVIT, Bengaluru

Biotechnology,

Sir MVIT, Bengaluru

Examinar

Dr. Chaitra. B.S Chow

Dr. Dehwar Chardra

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU - 562157 DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE

This is to certify that the project work entitled "Extraction and Bioactivity studies of Cassia spectabilis" is a bonafide work carried out by Ms. Hitha M bearing USN 1MV20BT015, bonafide student of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfilment for the award of Bachelor of Engineering in the Department of Biotechnology of the Visvesvaraya Technological University, Belgaum during the year 2020-2024. It is certified that all corrections/suggestions indicated for the Internal Assessment have been incorporated in the Report deposited in the department library.

The project report has been approved as it satisfies the academic requirements in respect of the Project work prescribed for the said Degree.

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnedevarravansgar Hunesemarenahais

Intermational Aire & Signature

of the Principal

Prof. Rakesh S G

of the HOD

Dr. H.G Nagendra

Dr H.G. Nagendra

Professor & Head

Department of Biotechnology

Mr M. Visvesversya listitute of Technology

BANGALORE - 562157

Dr. Chaitra B.S

r. Oshoor Charle

of the Guide

Dr. Rajendra Singh C

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY HUNSAMARANAHALLI, BENGALURU – 562157 DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project work entitled "Synthesis and Characterization of Cerium and Zirconium Nanoparticles and its Antimicrobial Activity" is a bonafide work carried out by Ms. Keerthana s k (1MV20BT016), Mr. Nithin B M (1MV20BT018), Ms. S. Lavanya Raju (1MV20BT021) and Ms. Sahana L (1MV20BT022) in partial fulfillment for the award of Degree of Bachelor of Engineering in Biotechnology under Visvesvaraya Technological University, Belgaum during the year 2020-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelors of Engineering Degree.

Politic h 13/7/23
Signature of guide

Dr. Hariharan P

Assistant Professor

Department of Biotechnology

Sir MVIT

Signature of HOD

Dr. H.G. Nagendra

Professor and Head

Professor and nead

Department of Biotechnology

Sir MVIT

Dr H.G. Nagendra

Professor & Head

Department of Biotechnology

M. Visvesvaraya lustitute of Technology

BANGALORE - 562157

Dr. Chaitra. B.S Chay Department of BT SIMXIT, July (2023

- 1 ST ST M, 11, 34, 7 (2023

14/3/23

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNIQLOGY KIEDINACHYRTAY THAIR HARRING THE CHRISTIAN THE CONTROL OF T

Signature of Principal and and the North American Sangalore 562 16

Professor Rakesh S G

Principal Sir MVIT



CERTIFICATE

This is to certify that the report of the mini-project entitled "Antioxidant, Antimicrobial and Phytochemical analysis of Ethanolic Extract of Inflorescence of Stachytarpheta mutabilis "is a bonafide work carried out by Harshitha. K(1MV20BT014), Vineeth V. Rao (1MV20BT026) and Yukta.S (1MV20BT027) in partial fulfillment for the completion of Bachelor of Engineering in Biotechnology under the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM during the year 2020-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirement in respect of project work prescribed for the said degree.

Signature of Project Guide

Signature of External Guide

Signature of IoD

SVARAYA INSTITUTE OF TECHNOLOG

Krishnadevaravanetor Hunasamaranahaili Inter Signature of PrincipaPiangalore-562 157

Dr. Mrinalini Menon

Dr. Arul Selvan

Dr. H.G Nagendra

Prof. Rakesh S.G

Associate Professor,

Professor & HoD.

Head of Department,

Principal,

Department of

Department of

Department of

Sir MVIT, Benagluru

Biotechnology,

Microbiology,

Biotechnology,

Sir MVIT, Bengaluru

KCDS, Bengaluru

Sir MVIT, Bengaluru

Examan

Dr. Chaitra. B.S

handie 2 14/8/23

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

DEPARTMENT OF BIOTECHNOLOGY



CERTIFICATE

This is to certify that the project work entitled "Comparative study on the Antibacterial, Antiinflammatory and Antimitotic efficacy of Delonix regia flower extracts" is a bonafide work carried out by Ms. Aditi A lyengar (1MV20BT005) and Ms. Shriya Anand Bhambore (1MV20BT024) in partial fulfilment for the award of Degree of Bachelor of Engineering in Biotechnology under Visvesvaraya Technological University, Belgaum during the year 2020-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelors of Engineering Degree.

Signature with date

Dr. Arul Selvan External Guide

Head Dept. of Microbiology

KCDS

P. 1-1-1-13/7/23 Signature with date?

Dr. Hariharan P Internal Guide Assistant Professor

Dept. of Biotechnology

Dr. H G Nagendra Professor & Head Dept. of Biotechnology Signature with date

Krishnadevarayanagat Hunasama Prof Rakesh S Gangalor Internation

Principal Sir MVIT

Name of the External Examiners:

1. Dr. Chaitra . B. S

2. Dr. Thon Charle

Signature of the External Examiners:

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU – 562157

2022-2023

CERTIFICATE

This is to certify that the Project work entitled "Development of Paper Biosensor for Detection of Urea in Milk" is a bonafide work carried out by Adithya Sathish (1MV20BT004) and Jeevan Pranay U (1MV20BT028), bonafide students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfilment for the award of Bachelor of Engineering in Department of Biotechnology during the year 2020-2024.

Right Sight 12/7/22 Signature of HOD

Dr Rajendra Singh C

Dr H.G. Nagendra

Associate Professor

Professor and Head

Principal Sir MVIT

International unio Rakesh & Octore 502

Department of Biotechnology

Department of Biotechnology

Sir MVIT

Sir MVIT

1). Dr. Chaitra. B.s

hothe 13/2/23

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU - 562157

2022-2023

CERTIFICATE

This is to certify that the Project work entitled "Impact of Long-Term Drugs on Human Gut Microbiome (An In-Vitro Analysis)" is a bona fide work carried out by Ahalya P N (1MV20BT006), Amrita De (1MV20BT008), and Samhita Bharath Sabannavar (1MV20BT023), bona fide students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfillment for the award of Bachelor of Engineering in Department of Biotechnology during the year 2020-2024.

Signature of Guide

Dr. Priya Narayan

Professor

Department of Biotechnology

Sir MVIT

Jighkop. HNge

Signature of Guide

Dr. Jagadeesh Kumar

Associate Professor

Department of Biotechnology

Sir MVIT

Signature GPHOD Chistophy of Hame water of Tec

Principal

Sir MIVIT

Dr. H.G. Nagendra

Professor and HOD

Department of

Biotechnology

Sir MVIT

Sound

1). Dr. Chaitra. BS Chilipp 123

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "ALL IN ONE SERVICE – FOOD AND GROCERIES" is carried out by ANUSHA M(1MV20CS018), HITHAISHI P V(1MV20CS041) Bonafede students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumya Patil

Assoc Prof & Internal Guide Dept. Of CSE, Sir

Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

DIPRINGIPS GAE TECHNOLO

SIR M. VISVESVAPATA CIDE UT TO THE CONTROL OF THE C

External Examination:

Name of Examiner

1) LOKESH.M

Signature with Date

2) Dr Sourseja Part)

8 3 Jan 2 3

Krishnadevaraya Nagar, International Airport Road,

Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "Competitive Programming carried out by Apporv kumar(1MV20CS019) Gupta(1MV20CS024) Bonafede students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

Name & Signature

of Principal

Name & Signature

of Guide

of H.O.D.

Dr. Soumya Patil

Manjunath

Dept. of CSE Sir MVIT

Bengaluru-562157

Assoc Prof & Internal Guide

Sir MVIT

Bengaluru-562157

Dr. G.C. Bhanuprakash

HOD, Dept of CSE,

Krishnedevarayanagar, Hunesamarana

International Airport Road, Bangalore-562 157

Sir MVIT

Bengaluru-562157

External Examiner:

Name of the Examiner

1 LOKESH-M

Signature with Date

Q 18/2/23

Ucst 2/2/23

2. Dr Soumy o Patil

Krishnadevaraya Nagar, International Airport Road. Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "CONTACT FORM WITH MAILFUNCTIONS" is carried out by BHAVIKA SANTHOSH (1MV20CS028) bonafide student of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023.It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of

Guide

Dr.Soumya Patil

Assoc Prof & Internal Guide Dept. of CSE

SIR.MVIT

Bangalore 562157

Name & Signature of

HOD

Dr. G.C Bhanu Prakash

HOD, Dept of CSE,SIR.MVIT

Bangalore 562157

Name & Signature of

Principal

Krishnadevaravanedar, Hunasamaranahalik

International Dr. Rakesh 3.30 alore 562 157

Principal

Sir.MVIT

Bangalore 562157

External Examination:

LOKEHM

Name of Examiner

Dr Sounga Patil

Vett 3/dra

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

It is certified that the DBMS Mini Project work entitled " Chat App " is carried out by AVINASH CHANDRA (1MV20CS022) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

External Examination:

Name of Examiner

Signature with Date

Name & Signature of Guide

830(1123)

Dr. Soumya Patil Assoc Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157 Name & Signature of HOD

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157 Name & Signature of Principal

PRINCIPAL
SIR M. VISVESNESSES ASATTUTE OF TECHNOLOGY
Krishnade Pariaya ingal, Hunesamaranahalli
International Airport Pood, Bangalore-562 157

Bengaluru – 562157

& Lokesh.M

BA312127

2) De Soumija Putst

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled "EMPLOYEE LEAVE MANAGEMENT SYSTEM" is carried out by C CHANDA TEJA (1MV20CS029) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature Name & Signature Name & Signature of HOD Of Guide Dr. G. C. Bhanu Prakash M VI DIS RANKES STITUTE OF TECHNOLOGY Dr .Soumya Patil Krishnadeversiyaringal, Hunasamaranahalli HOD, Dept. Of CSE, Prof & Internal Guide International Sirplot Road, Bangalore-562 157 Sir MVIT Dept. Of CSE, Sir MVIT Bengaluru - 562157 Bengaluru - 562157 Bengaluru - 562157

External Examination:

Name of Examiner

Signature with Date

(cett3) Mr3

1) LOKESH-M

2) Dr Guryn Pats]

& 13/2/23

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "Social Media Advertisement" is carried outby Lavanya Lenka(1MV20CS054), Dindukurthi Aishwarya(1MV20CS030) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2021-2022. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements inrespect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature Name & Signature Name & Signature

Of Guide of HOD Of Principal

Q351123

Dr. Soumya PatilProf & Internal Guide
Dept. Of CSE, Sir MVIT
Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157 PRINCIPAL
SIR M. VIDNESYRMX & STATUTE OF TECHNOLOGY
Krishnedengrayaris oar, Hunasamaranahelli
Internetional Airport Road, Bangalore-562 157
Sir MVIT

Bengaluru – 562157

External Examination: Name of Examiner

1) LOKESH.M

Signature with Date

2) Dr Soumen Patil

\$ 312123

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "CARBON CALCULATOR" is carried out by DIVYANSHU SINGH(1MV20CS031), KUMAR KETAK(1MV20CS052) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumya Patil

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE,

Sir MVIT Bengaluru - 562157 PRINCIPAL

VARAYA INSTITUTE OF TECHNOLOGY

ional Principal,

Sir MVIT Bengaluru – 562157

External Examination:

Name of Examiner

1) LOKESH-M

2) De sourceja Patol

Signature with Date

K843/2/2

& 312123

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " RESUME BUILDER MANAGEMENT " is carried out by MANJUNATH V (1MV20CS131) Bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Dr. Soumva Patil Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Name & Signature of HOD

HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157

Name & Signature of Principal

PRINCIPAL

Dr. G. C. Bhanu Prakash SIR M. VISVEYARakesh SIGF TECHNOLOGY Krishnadevar Principal Junasamaranahalli International Airport From Bangalore-562 157

Bengaluru - 562157

External Examination:

Name of Examiner

1) Layron. K.p. 2) Nedett.

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " ONLINE FOOD ORDERING " is carried out by RAVI RANJAN MAURYA (1MV20CS086), RISHABH SRIVASTAVA (1MV20CS088) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature ofHOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu PrakashRM. VISVES Dr. Rakesh S. Gnaranahalli

Krishnadevarayananan Runasamarananani International Airport Roap, dangalore-562 15.

Sir MVIT Bengaluru – 562157

External Examination:

Name of Examiner

1) Kullearni Varshq 2) Dr Soumya Patsl

Krishnadevaraya Nagar, International Airport Road,

Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " ONLINE QUIZ SYSTEM " is carried out by SAHIL CHOUHAN (1MV20CS091) & SAHIL MEHRA (1MV20CS092) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Dr . Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. Rakesh S.C.

SIR M. VISVESVARAYA INSTITUTE OF TECHNOL 35Y Krishnadev Brineinal, Hunasamaranahalli International sipper Road, Bangalore-562 157

Bengaluru – 562157

External Examination:

Name of Examiner

Kullearni Volsha Dr Soumeya Patil

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

It is certified that the DBMS Mini Project work entitled "ONLINE VOTING SYSTEM" is carried out by LIKITHA G (IMV20CS056), HARSHITHA S (1MV20CS040), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumva Patil

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

PRINCIPAL

SIR MINISTERMAN AND STRUCTE OF TECHNOLOGY Krishnadayarayanagar, Hunasamaranahali Andrew 562 15

Sir MVIT Bengaluru – 562157

External Examination:

Name of Examiner

1) LOKESH-M

Signature with Date

8 6/2/23

2) De Sourrege Pati)

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled " ZOO MANAGEMENT SYSTEM " is carried out by HARSH KUMAR (1MV20CS036) & HARSH MAILK(1MV20CS037), bona fide student of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signatureof HOD

Signatureof Principal

Name &

Dr. SOUMYA PATI L Prof & Internal Guide Dept. Of CSE,Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157 PRINCIPAL

SIR M. VISTES VIRI KENISTRUG OF TECHNOLOGY

Krishnedel anyengar, Hunesamaranahali
International Airport Read, Bangalore-562 157

Bengaluru - 562157

External Examination:

Name of Examiner

1) LotesH-M

Signature with Date

8 6/2/23

446/2/2

2) pr Sournya Patil

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "HOSPITAL MANAGEMENT" is carried out by MOHIT KUMAR(1MV20CS064), ISHU RAJ(1MV20CS043) Bonafede students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project reporthas been approved as it satisfies the academic requirements in respect of project work prescribed for thecourse of Bachelor of Engineering.

Name & Signature
of Guide

Name & Signature
of HOD

Name & Signature
of Principal

PRINCIPAL

Dr. Soumya Patil

Assoc Prof & Internal
Guide Dept. Of CSE, Sir
MVIT

Dr. G. C. Bhanu Prakas file M. VISVESY AND INCIDITE OF TECHNOLO

HOD, Dept. Of CSE,
Sir MVIT
Bengaluru - 562157

Bengaluru - 562157

External Examination:

Name of Examiner

1) LORESH M

Bengaluru – 562157

2) Dr Sourreya Publ

Signature with Date

8 612123

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "SOCIAL MEDIA CHATBOX" is carried out by DWIJITH R NAMBIAR (1MV20CS033) bonafide student of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of

Guide

Dr. Soumya Patil

Assoc Prof & Internal Guide. Dept. of CSE

SIR.MVIT

Bangalore 562157

Name & Signature of

HOD

Dr. G.C Bhanu Prakash

HOD, Dept of CSE,

SIR.MVIT

Bangalore 562157

Name & Signature of

Principal

PRINCIPAL

Krishnad parapagan Honasamaranahalli International Airport Road, Bangalore-562 157

Principal,

Sir.MVIT

Bangalore 562157

External Examination:

Name of Examiner

1) LOICESH. M 2) Dr Sournya Postst

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " DJ COCERT BOOKING MANAGEMENT SYSTEM " is carried out by JYOTHISH P Y S (1MV20CS048) Bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023.It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumya Patil

Assoc Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Krishnadevallayahadar, Hunasamarana Sali SIR M. VISV International Kills W. Rpad, Bangalore-562 157
International Kills W. Rpad, Bangalore-562 157

External Examination:

Name of Examiner

LO ICES HIM

2) Dr Sourrya Patil

Signature with Date

W46/2/23

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " BRICKS COMPANY MANAGEMENT" is carried out by J SHARANRAJ (1MV20CS044) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumya patil

Assoc Prof & Internal Guide Dept. Of CSE, Sir **MVIT**

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

SIR M. VISVESVARIA KHICH STECHNOLOGY Krishnadavari yananar, Hunasamaranahalli International Antonio Indonesia, Bangalore-562 157

International Sir MVIT

External Examination:

Name of Examiner

LOKESIA-M

Signature with Date

De Soumeja

Krishnadevaraya Nagar, International Airport Road. Hunasmaranahalli ,Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "TRANSPORT ENQUIRY SYSTEM " is carried outby JAYASHREE N M(1MV20CS045), MEGHANA L (1MV20CS062) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements inrespect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

Name & Signature

Name & Signature

Of Guide

Of HOD

Of Principal

Dr. Soumya Patil

Assoc Prof & Internal Guide Dept. Of CSE, Sir

MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash distinade Dr. Rake

HOD, Dept. Of CSE,

Sir MVIT

Bengaluru-562157

Principal.

Sir MVIT

Bengaluru - 562157

External Examination:

Name of Examiner

1)

2)

Lok Esti M Dr Sourrya Pabil

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " Customized Outfit " is carried out by KISHAN.K (1MV20CS050), JEWEL JENU CHERIAN (1MV20CS047) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2020-2021. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr . Soumya Patil

Assoc Prof & Internal Guide Dept. Of CSE, SirMVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash AW HOD, Dept. Of CSE,

Sir MVIT Bengaluru - 562157

Dr. Rakesh CEAL SIR M. VISVESHARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayan and Hunasamaranahalli International Alport Road, Bangalore-562 157 Bengaluru — 562 1 57

External Examination:

Name of Examiner

1) Lokest M 2) Dr Soumeja Paril

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled "TRAVEL AND TOURISM OF KARNATAKA" is carried out by LAHARI V(1MV20CS053) Bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2020-2021. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr . Soumya Patil

Assoc Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Daukakesh 8 G

SIR M. VISVESVARIAY MASTITUTE OF TECHNOLOGY Krishnadevaria Hanger 362137 naranariali International Airport Road, Bangalore 562 157

i) External Examination:

Name of Examiner

1) LokesH-M

2) De Sourrya Patil

Signature with Date

UCS# 6/2/13

8 612123

Krishnadevaraya Nagar, International Airport Road, Hunasamaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "WATER BILLING SYSTEM" is carried out by VIKRAM K N (1MV20CS125) & VINAY KUMAR A (1MV20CS126) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma SwamyProf & Internal Guide

Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

PRINCIPAL NICTITUTE (

Krishnadevarayahagar, Hunasamaranahalli

International Raine inal, Stangalore-562 157

MVIT Bengaluru – 562157

External Examination:

Name of Examiner

1) K. Vassha

2) De Sourrega Put

Signature with Date

819

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru- 562157

DEPARTMENT OF COMPUTERSCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " ELECTRICITY BILLING MANAGEMENT SYSTEM " is carried out by JEEVANJYOTHI D K (1MV20CS046), SUSHMA B R (IMV21CS409) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name&Signature of Guide

Name&Signature of HOD

Name & Signature ofPrincipal

Dr.Soumya Patil

Prof & Internal Guide Dept. Of CSE, SirMVIT

Bengaluru-562157

Dr.G.C.BhanuPrakash HOD ,Dept.Of CSE,

> SirMVIT Bengaluru- 562157

Krishnadevarayan agar Hunasamaranahalli Krishnadevarayan (Garana) International Albon Klad, Bangalore-562 157 Bengaluru-562 157

External Examination:

Name of Examiner

1) Adaynoi K.P 2) Vodeth.

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "COURIER MANAGEMENT SYSTEM" is carried out by NAGARATHNA S (1MV21CS403), SWAPNA HR (1MV21CS410)bonafide students of Sir M Visvesvarava Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru – 562157

Name & Signature of HOD

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE Sir MVIT

Bengaluru – 562157

Name & Signature of Principal

Dr. RARISKS PEAL

SIR M. VISYEGYAGAYAINSTITUTE OF TECHNOLOGY KrishmadsyaraMVCFr. Hunasamaranahalli

International Artist Road Bangalore-562 157

External Examination:

Name of Examiner:

1) Maynor. K.p. 2) Vede No

Krishnadevaraya Nagar, International Airport Road. Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " PLOTS SALES " is carried out by SAI KIRAN T N (1MV21CS406), NANAPU UMAPATHI (1MV21CS404) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumya Patil Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE.

> Sir MVIT Bengaluru - 562157

Dr PRakesh SAG

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasamaranahalli International Air Uri Maria Bangalore-562 157 Bengaluru — 562 157

External Examination:

Name of Examiner

Dede M.

2)

Krishnadevaraya Nagar, International Airport Road,

Hunsmaranahalli, Bengaluru-562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " ONLINE ASSESMENT " is carried out by MONICA P(1MV20CS065), RANINAGAVENI.D.S. (1MV21CS405) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

Name & Signature

Dr.Soumva Patil

Assoc Prof & Internal Guide Dept .Of CSE,

Sir MVIT

Bengaluru-562157

HOD.Dept.Of CSE,

Sir MVIT

Dr.G.C.Bhanu Prakashinternation Dr. Rakeshasia Gre-562 157

Bengaluru-562157

Principal,

Sir MVIT

Bengaluru-562157

External Examination:

Name of Examiner

) Maynor. K.p., Vode N

Signature with Date

2

Krishnadevaraya Nagar, International Airport Road Hunasmaranahalli, Bengaluru- 562157

DEPARTMENT OF COMPUTER SCIENCE AND INGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "ONLINEDIAGNOSTIC LAB MANEGMENT SYSTEM" is carried out by SHRAVAN M (1MW21CS408)Bona fide students of Sir M. Visvesvaraya Institute of Technology in partial alfillment for the 5th semester for the award of the Degree of Bachelorof Engineering in Computer Science and Engineering of the Visvesvaraya TechnologicalUniversity, Belagan during the academic year 2022-2023. It is certified that all corrections and suggestions and icated for Internal Assessment have been incorporated in there port deposited in the coartment library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature Of Guide

Name & Signature Of HOD

Name & Signature of Principal

Dr.Soumya Patil Prof & Internal Guide Dept.Of CSE, Sir MVIT Bengaluru-562157

Dr.G.C.BhanuPrakash HOD, Dept. Of CSE.Sir MVIT

Bengaluru- 562157

Rakes CIPAL SIR M. VISVESVARBAIA INSTITUTE OF TECHNOLOGY Krishnadaya (Applipa) . Hunasamaranar alli International Airpost 2050, Bangatore-562 157

External Examination:

Name of Examiner

1) Maynos. K.p.
2) Vode He

Krishnadevaraya Nagar, International Airport Road,

Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " GYM MANAGEMENT SYSTEM " is carried out by SHAIKHOM ELESON (1MV20CS097) bonafide students of Sir M.Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

External Examination:

Bengaluru 562157

of Guide

Name & Signature

Name & Signature of

of HOD

Principal

Dr. Suma Swamy

Prof & Internal Guide Dept.

Of CSE, Sir MVIT

Bengaluru – 562157

Dr. G. C. Bhanu Prakashsik Dry Prestration Stitute of TECHNOLOGY

HOD, Dept of CSE

Sir MVIT

Bengaluru – 562157

Krishnadayarayanagar, Hunasamaranah di International Airport Road, Bangalore-562 157

Sir MVIT

Bengaluru - 562157

External Examination:

Name of Examiner

Ruskarni Varsha De soumeja Publ

Krishnadevaraya Nagar, International Airport Road, Hunasemaranahalli, Bengaluru-562157

Department of Computer Science and Engineering



CERTIFICATE

Certified that the V Semester Mini Project in DBMS Laboratory Entitled "ART **SHREYA** SYSTEM" carried out by MANAGEMENT GALLERY KARNELLI(1MV20CS104) bonafied student of Sir M. Visvesvaraya Institue Of Technology in partial fulfilment for the fifth semester for the award of the degree of BACHELOR OF ENGINEERING in Computer Science and Engineering from Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections and Suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies the academic requirements in respect of the mini-project work prescribed for the course of Bachelor of Engineering.

Name and signature of guide

Name and Signature of HOD

Name and Signature of PRINCIPAL

Dr. Suma Swamv

Professor and Internal Guide Dept. Of CSE, Sir MVIT Bengaluru-562157.

External Examination:

Dr. G.C.Bhanu Prakash

HOD, Dept. of CSE Sir MVIT

Bengaluru-562157.

Dr. Rakesh SPQ

SIR M. VISVESPARAOLPATITUTE OF TECHNOLOGY Krishnadevary (nagar, Hunasamaranahalii International Airport Road, Bangalore-562 157

Bengaluru-562157.

Name of the Examiners

Signature with date

1. Kulkarni Varsha 2. Dr Soumya Part

Jauli schools

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belagavi-590010



DBMS MINI PROJECT REPORT ON

"KCET SEAT MATRIX"

Submitted in partial fulfilment for the requirements for the fifth semester BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

For the Academic Year 2022-2023

Submitted by:

SHREELAKSHMI

1MV20CS102

Under the guidance of:

Dr. Suma Swamy

Professor, Department of CSE Sir M. Visvesvaraya Institute of Technology, Bengaluru



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

HUNASAMARANAHALLI, BENGALURU-562157

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled "ONLINE VOTING SYSTEM" is carried out by SHREENIDHI M (1MV20CS103) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy
Prof & Internal Guide
Dept. Of CSE, Sir MVIT
Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157

IPRUNGIPAL
Sir M. VISVESVARANNINSTITUTE OF TECHNOLOGY
WrishnaBergrahamagab, (RukaTamaranahalli,
International Airport Road, Bangalore-562 157,

Dr. Rakesh S G

External Examination:

Name of Examiner

1) K. Varsha

2) De Sourrye Publ

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru — 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

It is certified that the DBMS Mini Project work entitled "BIKE RENTAL SYSTEM" is carried out by SHEERSHAK PACHORI (1MV20CS099) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

> Name& Signature Of Guide

Name & Signature of HOD

Name & Signature of of Principal

Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

PRINCE SIR M. VISVESVARAY MINE OF TECHNOLOGY Krishnederarakinnagar Hunasamaranahalli International Airport Road, Bangalore-562 157

External Examination:

Name of Examiner

1) K. Varska 2) Dr. Soumeja Patil

SIgnature with Date

July 2

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " EMPLOYEE LEAVE NIKHIL PRABHAKAR MANAGEMENT SYSTEM " is carried out by SHRIKHANDE (1MV20CS070) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

Of Guide

Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Name & Signature of HOD

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE,

Sir MVIT Bengaluru - 562157 Name & Signature of Principal

Dr. Rakesh 5 G

Principal NCIPAL VSUE SMENTE INSTITUTE OF TECHNOLOGY

Kristengelenganaro 21 37 Augustanahalli hternational Airport Road, Bangalora 562 157 International Airport

External Examination:

Name of Examiner

Signature with Date

1) Rukurni Varsha

2) Dr Soumeja Patil

Krishnadevaraya Nagar, International Airport Road. Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " STADIUM SEATS MANAGEMENT SYSTEM " is carried out by PRAMOD PATTANAGERE SHIVALINGAIAH (1MV20CS079) and REUBEN JACOB(1MV20CS087) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide

Dept. Of CSE, Sir MVIT

Bengaluru - 562157

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakashsir M. VISVE DER REMEMBLE OF TECHNOLOGY

Krishnadevarayapagar Hunasamaranahalli International Airport Roau, Dar MVIT angalore-562 157

Bengaluru - 562157

External Examination.

Name of Examiner

Kulkarni Varsha

2) De Soumya Publ

Krishnadevaraya Nagar, International Airport Road,

Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " Project Management System " is carried out by NITESH KUMAR (1MV20CS073) and VIJAY (1MV20CS124) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

External Examination:

Bengaluru 562157

of Guide

Name & Signature

Name & Signature of

of HOD

Principal

Dr. Suma Swamy

Prof & Internal Guide Dept.

Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash MDr. VRakesh & GUTE OF TECHNOLOGY

HOD, Dept of CSE

Krishnadevarayanagar, Hunasamaranahalli International part ort Road, Bangalore-562 157

Kulkar 1/2/3

Sir MVIT

Sir MVIT

Bengaluru - 562157

Bengaluru - 562157

External Examination:

Name of Examiner

Kulkarni Varsha

Dr soumya Putil

Signature with Date

II

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " GOURMET - A RESTAURAN" FOOD ORDERING SYSTEM " is carried out by PRAGYA RAVINDRAKUMAR MUGALE (1MV20CS077) bonafide student of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE. Sir MVIT Bengaluru - 562157

Bangalore-562 157

External Examination:

Name of Examiner

, Kulkarni Varsha , Dr Soumeja Parsi

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "FARM MANAGEMENT SYSTEM" is carried out by L.TINASHI DEVI(1MV20CS055), Bonafede students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide Name & Signature of HOD

Name & Signature of Principal

8 ul2123

Dr. Soumya Patil
Assoc Prof & Internal
Guide Dept. Of CSE, Sir
MVIT
Bengaluru – 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. Rakes Institute of TECHNOLOGY SIR M. VISY-MICLIBRIDGE, Hunasamaranahalik Krishnadeva Ayardagar, Hunasamaranahalik Krishnadeva Ayardagar, Hunasamaranahalik Instrumenta in Ayardagar (157 Instrumenta in School (157)

External Examination:

Name of Examiner

1) LOKESH. M

2) Dr Soumya Patil

Signature with Date

Key 6/2/23

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled "GOVERNMENT SERVICE PORTAL" is carried out by MEGHA (1MV20CS060), MEGHANA H C (1MV20CS061)

bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumya Patil Assoc Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157

International Alfood Road, Bangalore-562 157 Bengaluru — 562157

External Examination:

Name of Examiner

1) LOKESH.M

2) Dr Soumya Pros!

Krishnadevaraya Nagar, International Airport Road, Hunasamaranahalli, Bengaluru-562157

DEPARTMENT OF COMPUTER SCIENCE AND **ENGINEERING**



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " COLLEGE GUIDE" is carried out by MANAS DEWARI(1MV20CS057) and MAYANK SHARMA (1MV20CS058), bona fide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name and Signature of

Guide:

Name and Signature of

HOD:

PRINCIPAL SHR M. VISVESVARAYA INSTITUTE OF TECHHIOLOGY Krish **Dago Banyara**gan, Hunasamaranahalii

Name and

Principal:

Signature of

Dr. Soumya Patil Prof & Internal Guide Dept. Of CSE, Sir MVIT

8 211123

Prakash HOD, Dept. Of CSE, Sir

Dr. G. C. Bhanu

International Actions India, Bangalore-562 157

External Examination:

Name of Examiner

LORESH M

Dr Soumya Pats!

Signature with Date

Stell 2 /2 /2 /2

Krishnadevaraya Nagar, International Airport Road,

Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled " STADIUM SEATS MANAGEMENT SYSTEM" is carried out by ANIMESH KUMAR GOSWAMI

(1MV20CS014) bonafide student of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

of Guide

\$ 3011

Dr. Soumya Patil
Assoc. Prof & Internal Guide
Dept. Of CSE, Sir MVIT
Bengaluru - 562157

External Examination: Name of Examiner

1) LOKESHM

2) De Soumeja Pato 7

Name & Signature

of HOD

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Name & Signature

of Principal

SIR M. VISVESVALVA INSTITUTE O

ternetional Nirport Relati, Bangalore-562 157

Bengaluru - 562157

Signature with Date

Secolo100

K143/2/23

II



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "MATRIMONIAL SITE" is carried out by ANJALI PRASAD (1MV20CS015)

HARSH PANDEY (1MV20CS038) bonafide students of Sir M Visvesvaraya

Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023.It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

Guide

Dr. Soumya Patil Prof & Internal Guide

Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Name & Signature

HOD, Dept. Of CSE,

Sir MVIT

Bengaluru - 562157

SIR M. VISVÈSMARRYA-HUGTHTUTE OF TECHNOLOGY Dr.G.C.Bhanu Prakash Krishnadayarayanagar, Hunasamaranahalli International Airport Road, Bangalore-562 157

Principal, SirMVIT

Bengaluru-562157

External Examination:

Name of Examiner

LOKESH-M Dr Soumeja Patil

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled "ONLINE SHOPPING MANAGEMENT SYSTEM" is carried out by ASHISH KUMAR MAHTO (1MV20CS021) and ANSHIT THAKUR (1MV20CS017) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide Name & Signature of HOD Name & Signature of Principal

Dr. Soumya patil

Assoc Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

PRINCIPAL

SIR M. MISVESVIRREALINSHTUTE OF TECHNOLOGY Krishnadevärayipabar, Hunasamaranahalli Internetional Alvent Fload, Bangalore-562 157

Bengaluru - 562157

External Examination:

Name of Examiner

1) LOKESH-M

Signature with Date

80 3/2123

Ust al shi

2) Dr Souriga Patil

II

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " CONVALESCENT PLASMA DONATION MANAGEMENT SYSTEM " is carried out by NISHA SINGH (1MV20CS072), NITYA SAXENA(1MV20CS074), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023.It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report

has been approved as it satisfies the academic requirements in respect of project work

Name & Signature of Guide

prescribed for the course of Bachelor of Engineering.

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy Prof & Internal Guide

Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE,

Sir MVIT

Bengaluru - 562157

PRINCIPAL

GIR MITVISTE GARRAY AND INSTITUTE OF TECHNOLOGY Krishnadavaravpadgar, Hunasamaranahalli International Amount Road, Bangalore-562 157

Bengaluru - 562157

External Examination:

Name of Examiner

1) Kulkarni Varsha 2) Dr Sovernya Patil

Signature with Date

fulcari 8 12/23

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " COVID BED SLOT ALLOTMENT SYSTEM" is carried out by IMRAN ULLA BAIG

K(1MV20CS042),MOHAMMED AZMATH IQBAL(1MV20CS063) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD Name & Signature of Principal

8/2/1123

Dr. Soumya Patil
Assoc Prof & Internal
Guide Dept. Of CSE, Sir
MVIT
Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. Rakesh S G AL

SIR M. VISVE principal nunesamarara

Kriefnedova

International Airbot Radal, Bangalore-562 157

Bengaluru — 562157

External Examination:

Name of Examiner

1) Kulkarni Varsha

2) Dr Sourrya Patil

Signature with Date

200 -12123

kulearn 21'24

Krishnadevaraya Nagar, International Airport Road,

Hunasmaranahalli, Bengaluru 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " COVID BED SLOT BOOKING SYSTEM " is carried out by NIHARIKA.A (1MV20CS069), RITIKA NANDI (1MV20CS089)) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature	Name & Signature	Name & Signature
Dr. Suma Swamy	Dr. G. C. Bhanu Prakash	Dr. Rakesh SPAL
Prof & Internal Guide	HOD, Dept. Of CSE,	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOG Krishnadevarayar Bada, Hunasamaranahalli
Dept. Of CSE, Sir MVIT	Sir MVIT	International Airport Road, Bangalore-562 15
Bengaluru - 562157	Bengaluru - 562157	Bengaluru – 562157
External Examination:		
Name of Examiner		Signature with Data

Dr Soumya Patil

Krishnadevaraya Nagar, International Airport Road. Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled "TOUR WITH US - ONLINE TOURISM" carried out by PRERANA GARG(1MV20CS080),SAKSHI PANDEY(1MV20CS94) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash Kichrodu Dr. Par ding of Technology

HOD, Dept. Of CSE,

Sir MVIT Bengaluru - 562157

International Air Principal.

Sir MVIT Bengaluru - 562157

External Examination:

Name of Examiner

Kellbarij Varsha Dr soumya Patsl

Krishnadevaraya Nagar, International Airport Road. Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " ONLINE EXAMINATION SYSTEM " is carried out by SRIPAVAN B (1MV20CS135) and NUMAIR SHAIKH (1MV20CS137) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. RAHNOIPAL

SIR M. VISVESYARAYA: INSTITUTE OF TECHNOLOGY Krishnadevarayanagar Hunasamaranahalli International Airport Road, Bangalore-562 157 Bengaluru – 562157

External Examination:

Name of Examiner

1) Mayus. K.p.
2) Vede H.

Signature with Date

II

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru-562157

DEPARMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " FARM MANAGEMENT: KRISHIMITRA" is carried out by SHIFA SONAL(1MV20CS100), bonafide student of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

of Guide

Name & Signature

of HOD

Name & Signature

of Principal

Dr . Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. of CSE. Sir MVIT

Bengaluru-562157

Krishnadevarayanagar, Hunas International Airport Road, Bang Bengaluru-56215 Bangalore-562 157

External Examination:

Name of Examiner

1) K. Varsha 2) or Scumya parl

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



It is certified that the DBMS Mini Project work entitled "TRAVEL AND TOURISM OF KARNATAKA " is carried out by LAHARI V(1MV20CS053), POOJA N (1MV20CS133) Bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2020-2021. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Soumya Patil Assoc Prof & Internal Guide Dept. Of CSE, Sir **MVIT** Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Krishnadevaraya and Phunasamaranahali International AirSari Model Bangalore-562 157 Bengaluru - 562157

i) External Examination:

Name of Examiner

1) Maynor top. 2) Vede H.

Krishnadevaraya Nagar, International Airport Road Hunasmaranahalli, Bengaluru- 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " ONLINE MOVIE TICKET BOOKING SYSTEM " is carried out by ANUSHA H V (1MV21CS401), KAVYA B (1MV21CS402) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2023-2024.It is certified that all corrections and suggestions indicated for Internal Assessment have been in corporate in the reported posited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature Of Guide

Name & Signature of HOD

Name & Signature Of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept.Of CSE, Sir MVIT Bengaluru-562157

Dr. G.C.BhanuPrakash

HOD, Dept.Of CSE, Sir MVIT

Bengaluru-562157

SIR M. VISVESTARAYASHISTITUTE OF TECHNOLOGY Krishnadevardynningsk, Hunasamaranahalli International Air, M. Road, Bangalore-562 157

Bengaluru-562157

External Examination:

Name of Examiner

1) Agayuri- K.p. 2) Vedett.

Signature with Date

0002/22 Vedel 2/2/2)

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " STUDENT MANAGEMENT SYSTEM " is carried out by MOHAMMED REHAN (1MV20CS132), bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signatureof Guide

Name & Signatureof HOD

Name & Signatureof Principal

Dr. Soumya Patil Prof & Internal Guide

Dept. Of CSE, Sir MVIT

Bengaluru - 562157

HOD, Dept. Of CSE, Krishnadevarayana Sin ACUTE Sir MVIT
Bengaluru - 562157
International Airport Sind Margalore-ob 2 157
Bengaluru - 562157

External Examination:

Name of Examiner

1) Mayur, K.P. 2) Vedett.

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " REGISTERED VECHICLE MANAGEMENT" is carried out by MUHAMMED MUSADDIQUE (1MV20CS068). RAPATI NITISH KUMAR REDDY (1MV20CS085) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. Itis certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature ofHOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. Rakes Krishnadevarayahanar, Hunasanun Krishnadevarayahanar Hunasanun Bangalore-562 157 Interpational Fire Sengaluru — 562 157

External Examination:

Name of Examiner

Kulkami Varsha

2) Dr Sourneya Patil

Signature with Date

Kulbarn, 23

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " ELECTRIC VEHICLE CHARGING STATIONS LOCATOR " is carried out by SANDESH LOKESH KOTAHRI (1MV20CS095), SANGMESH J (1MV20CS096) bona fide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature ofHOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

SIR M. VISVESVARAYA PASTITUTE OF TECHNOLOGY Krishnad Dara Rakeshi Sa Samaranahalli

International Air Printing Bangalore-562 157

Sir MVIT

Bengaluru – 562157

External Examination:

Name of Examiner

1) Kulcarni Yasha

2) Dr Sourogen Patil

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "COLLEGE COMPLAINT MANAGEMENT SYSTEM" is carried out by SHREYANSH GUPTA(1MV20CS105), bona fide student of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy
Prof & Internal Guide
Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash HOD, Dept. Of CSE,

Sir MVIT Bengaluru - 562157 PRINCIPAL

SIR M. VISPSY BAKESTI SUE OF TECHNOLOGY Krishnadeva Reimaipal Hunasamaranahalli International /SIPNEWIT, Bangalore-562 157

Bengaluru – 562157

External Examination:

Name of Examiner

1) K. Varsha

2) Dr Soumya Patil

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " CRIMINAL RECORD MANAGEMENT SYSTEM " is carried out by ALISHA MUSKAAN (1MV21CS400) and VIJU J (1MV21CS411) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Dr. Suma Swamy Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157

Name & Signature of HOD

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Name & Signature

of Principal

Dr. G. C. Bhanu Prakash SIR M. VIS Dr. Rakesh S. Camaranahadi International Africopal, Bangalore-562 157

Sir MVIT

Bengaluru - 562157

External Examination:

Name of Examiner

1) K. Varsha 2) Dr sormega Phon

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru - 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " CRIMINAL RECORD MANAGEMENT SYSTEM " is carried out by VIJU J (1MV21CS411) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelorof Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

HOD, Dept. Of CSE,

Sir MVIT

Bengaluru - 562157

PRINCIPAL Dr. G. C. Bhanu Prakash M. VISVES Dir. Rakesh S. Garanahalli Krishnadavarayanadan Adhasamaranarana International Airport Heain alangalore-562 157

Sir MVIT

Bengaluru - 562157

External Examination:

Name of Examiner

1) LOKESH-M 2) Dr Sourrya Patsi

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "LIFE INSURANCE MANAGEMENT SYSTEM" is carried out by SHIVAM MISHRA (1MV20CS101), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Dr . Suma Swamy

Dr. G. C. Bhanu Prakash

SIR M. VISYESVARAVA INCLITUTE OF TECHNOLOGY Krishnadevaravakesh SuGsamaranahalli International Approximately Bangalore 562 137

PRINCIPAL

Prof & Internal Guide

HOD, Dept. Of CSE, Sir MVIT

Sir MVIT

Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Bengaluru - 562157

External Examination:

Bengaluru - 562157

Name of Examiner

1) K. Vassha

2) Dr soumyn Pabl

Signature with Date

II

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "ONLINE TRAFFIC OFFENSE MANAGEMENT SYSTEM" is carried out by SHAMANTH C(1MV20CS098) bona fide student of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

of Principal

Name & Signature

Dr. Suma Swamy

Prof & Internal Guide

Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

MA VISVESVARAYA HISTITUTE OF TECHNOLOGY

KrishnadevaRakesh S Gasamaranshalla International Principal: Sangalore-562 15

Sir MVIT

Bengaluru - 562157

External Examination:

Name of Examiner

1) K. Varsha

2) Do sourrya Patil

Signature with Date

BA 1/2/23

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "ELECTRICITY BILLING MANAGEMENT SYSTEM" is carried out by SWAPNIL DEEPAK KORE (1MV20CS118), UJWAL C (1MV20CS119) bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature of Guide

Name & Signature of HOD

Name & Signature of Principal

Dr. Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT Bengaluru - 562157 Dr. G. C. Bhanu Prakash

HOD, Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Prof. Rakesh S G

PRINGPAL

SIR M. VISVESVIRANO NOTITUTE OF TECHNOLOGY

Krish Adevery (1992)

Krish Adevery (1992)

SOL L. M. 1992

SOL L. M. 19

Krishinger varyangar Hunasamarahan Krishinger varyangar Hunasamarahan Krishinger Varyangar Hunasamarahan International Airport Road, Bangalore-562 157

External Examination:

Name of Examiner

1) K. Varsha

2) De sourrye Publ

Signature with Date

9 1/2/23

Krishnadevaraya Nagar, International Airport Road, Hunasmaranahalli, Bengaluru-562157

DEPARMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled " FARM MANAGEMENT: KRISHIMITRA" is carried out by PRAJNA H S(1MV20CS078), SONAL(1MV20CS100) bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

of Guide

Name & Signature

of HOD

Name & Signature

of Principal

Dr . Suma Swamy

Prof & Internal Guide Dept. Of CSE, Sir MVIT

Bengaluru - 562157

Dr. G. C. Bhanu Prakash

HOD, Dept. of CSE, Sir MVIT

Bengaluru-562157

Dr. FRANKING SAC

SIR M. VISVESVAR**PYANUSTUT**UTE OF TECHNOLOGY Krishnadevarayanagar Hunasamaranahali

External Examination:

Name of Examiner

1) 2) Kulkaini Varsha Dr soumya pasi

Krishnadevaraya Nagar, International Airport Road,

Hunasmaranahalli, Bengaluru – 562157

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

It is certified that the DBMS Mini Project work entitled "Competitive Programming carried out by Apporv kumar(1MV20CS019) and Gupta(1MV20CS024) Bonafede students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the 5th semester for the award of the Degree of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Engineering.

Name & Signature

Name & Signature

of H.O.D.

of Principal

Name & Signature

of Guide

Dr. Soumya Patil

Maniunath

Assoc Prof & Internal Guide

Dept. of CSE Sir MVIT

Bengaluru-562157

Dr. G.C. Bhanuprakash

HOD, Dept of CSE.

Sir MVIT

Bengaluru-562157

PRINCIPAL

SIR M. VISVESVANAYA INSTITUTE OF TECHNOLOGY Krishnadeverayeneger, Hunesemaran International Airport Road, Bangalore-562 157 Principal,

Sir MVIT

Bengaluru-562157

External Examiner:

Name of the Examiner

1 LnKESH:M

2. Dr Soumya Pati)

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "Wi-Fi De-authentication Bot" carried out by ANJAN KUMAR ML (1MV20EC015), ANURAG RAJENDRA NAIK (1MV20EC019), ARYAN SINGH (1MV20EC027), KARTIK NANDAGAON (1MV20EC060) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Dr. Poongothai C

Assistant Professor

Department of ECE

Professor and Head

Deptartment of ECE.

PRINCIPAL

warayenagas Hunasamara lahalli al Airport Road, Hangalore-162 167

Principal, Sir MVIT

External Viva

Name of the examiners

1. P. Shalini 2. Dr. Survil lumar (cr

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "RFID BASED GAS STATION AUTOMATION" carried out by Lavanya P (1MV20EC066), Malaka Bhaskar Reddy (1MV20EC072), Pavan Tej PS (1MV20EC085), Varshikha KV (1MV20EC123), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

PRINCIPAL Name & Signature of the HOD Krishnaherlalura natural principal Residence of the HOD Krishnaherlalura natural principal residence of the HOD Krishnaherlalura natural n International Airport Road, Bancolore-562 167 Prof. RAKESH S.G.

Mr.PHANINDAR RAVI P

Dr. V.G SUPRIYA

Assistant Professor,

Professor and Head,

Principal

Dept of ECE

Dept of ECE

External Viva

Head of the Department Electronics & Communications Engineers "r M VIT Bangalore 562 15

Name of the examiners

Signature with date

1 Dr. sunil laman kn 2 Dr Srymiya V G

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "Food Spoilage Detection System" carried out by KRISHNA UPADHYAY (1MV20EC063), LAKSHMI S (1MV20EC065), MONIKA F (1MV20EC078), the bonafide students of Sir MVisvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineeringin Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Dr. Poongothai C

Dr. V. G. Supri

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECH OLOGY Krishnedevarayan gar, Humasamaran half International Airport Road, Bangalone 5 2 167

Assistant Professor

Professor and Head

Department of ECE

Deptartment of ECE.

External Viva

Name of the examiners

1. Dr. Sunid luman an 2 Dr Sonpruya VG

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "Real-Time Traffic Analysis and Street Light Management System" carried out by Mr. Adarsh Singh (USN-1MV20EC006), Mr. Aditya Anand (USN-1MV20EC007), Mr. Ajitesh Prakash (USN-1MV20EC010) and Mr. Dev Prakash (USN-1MV20EC041), the bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Mr. NATARAJA R. G.

Name & Signature of the Guide

Dr. V. G SUPRIYA

Proffrancies als.

SIR M. MISMESYARAYA INSTITUTE OF TECHNOLOGY

Krishnodevorayanagar, Fiunasamaranahalli

Name & Signature of the HODE nath Signature of the Principal 562 157

Head of the Department electronics & Communications Engineering Sir M VIT Bangalore 562 157

External Viva

Name of the examiners

1. J. Shalini

2. Dr. sunil tumar len

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "RFID BASED SMART PARKING SYSTEM" carried out by Ms. ANANYA SINGH(1MV20EC013), Mr. HIMANSHU SHEKHAR(1MV20EC056), Ms. HITHA S(1MV20EC057), Ms. MANSI PRIYA (1MV20EC074), the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Name & Signature of the Guide Name & Signature of the HOD Internative of the Principal 502

Mrs. Swetha L

Dr. V. G. Supriya

Prof. Rakesh S G

Assistant Professor

Professor and HOD

Department of ECE

Department of ECE

Head of the Department

Electronics & Communications Engineering Sir M VIP Pangalere 562 157

External Viva

Name of the examiners

1 DA. Sund lamar KN 2. Do Supriya V.g

CERTIFICATE

SRI KRISHNADEVARAYA EDUCATIONAL TRUST

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "HEARTRATE DETECTOR" carried out by Ms. AASTHA(1MV20EC001),Ms. AMYA VERMA(1MV20EC012),Ms. ANISHA KUMARI(1MV20EC014),Ms. ARUSHI GUPTA(1MV20EC025), bonafide students of Sir M. Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment. have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree. PRINCIPAL

Mrs. KRISHNAPRIYA SHARMA

Dr. VG SUPRIYA

SIR M. VISVESVARAYA INSTITUTE OF TECHE BLOCK Krishpadekarayan agar Hunasamars vanalti International Airport Road, Bangalore-562 v5

Name & Signature of the Guide

Name & Signature of the HOD

Signature of the Principal

Head of the Department

Flectronics & Communications Engineering

External Viva

'- M VIT Bangalore 562 1"

Name of the examiners

1. P. Shalin' 2. Dr. sunil lumancer

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "3D-HOLOGRAPHIC DISPLAY SYSTEM" carried out by Mr. PRIYANSHU HARSHA (1MV20EC090), Mr. RISHABH SHARMA (1MV20EC096), Mrs. SHRISTI RAJ (1MV20EC108), Mr. UJJWAL KUMAR (1MV20EC120), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Name & Signature of the Guide

PRINCIPAL SIR M. VISVÈSVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasamaranahalli Name & Signature of the HOD Internet manual port in the Bangalore-562 157

Head of the Department Electronics & Communications Engineering Bir M VIT Bangalore 562 157

External Viva

Name of the examiner

18/4/23

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)

Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 592 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "CLONING BOT" is carried out by DIDDUKURI JOSHNA (1MV20EC044), PADAPATI LIKHITH (1MV20EC068), MITAYI SAIGEETHIKA SINGH (1MV20EC076) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Ms. Vijayalakshmi S

Dr. V.G Supriya

Krishnadevers regar, Hunasamaranahatii International Principal

Asso Prof, Dept of ECE

Prof. & Head, Dept of ECE

Sir MVIT Bangalore

Sir MVIT Bangalore

Sir MVIT Bangalore

Electronics & Communications Engineering M. VIT. Bangalore. 562, 157

Head of the Department

External Viva

demai viva

Name of the examiners

1 Pr. E. Sundangum

2 Vardhours . 4

Signature with date

Van 18/7/23

21

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "IoT BASED SALINE MONITORING SYSTEM" is carried out by KISHOR KUMAR HEGGE (1MV20EC077), G S MONISH (1MV20EC062), MOHITH (1MV20EC080), NACHIKETH K V (1MV20EC081) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Leene

Mrs. Seema S Asst Prof, Dept of ECE Sir MVIT Bangalore **Dr. V.G Supriya**Prof. & Head, Dept of ECE
Sir MVIT Bangalore

PRINCIPAL
SIR M. VISVESVARAYA HISTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
International Airport Roed, Bangalore-562 16

Prof. Rakesh S. G Principal Sir MVIT Bangalore

External Viva

Head of the Department Electronics & Communications Engineers

Name of the examiners 3r M VIT Bangalore 562 15Signature with date

1 Dr.R. Sundaragum

2 Vanolhana. M

Jan 18/7/23

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "MILK ADULTERATION TESTING" carried out by Aparna C (1MV20EC021), Harshitha TA (1MV20EC054), Sudheendra S Kulkarni (1MV20EC116), the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Signature of the Guide

Signature of the HOD

Dr V Supriya

SIR M. VISYESYARAYA INSTITUTE OF TECHNOLOGY Krishnadayo diye of the Brisseipatanahaili yort Road, Bandalore-562 157 Dr Rakhesh SG

PRINCIPAL

Dr R Sundarguru

Professor

3

/ Dept. of ECE

Headsof the Department

Electronics & Communications Engineering

3ir M VIExternal Vaplore 562 157

Principal

Name of the examiners

1. Dr. Sunid rumas UN 2. P. Shali

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "SECURE NODE DETECTION OF WSN BASED ON ANN" carried out by Darshan Ramdas Bhandari(1MV20EC039), Deepthi (1MV20EC040), Harsha D Gangolli(1MV20EC052) the Bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

RASKAY

Mrs. Krishnapriya Sharma

Associate Professor / Internal Guide

Dr. V.G Supriya

Krishmad Roof a RakeshoSc Gharanah Internation

Professor and Head

Department of ECE

Department of ECE Head of the Department Electronics & Communications Engineering

Gir M VIT Bangalore 562 157

External Viva

Name of the examiners

1. DA. Sund rumanter 2 P. Shalic

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "A Comprehensive Approach to Smart Infrastructure and Accident Prevention" carried out by Abhishek (1MV20EC003), Chandrashekar S V (1MV20EC036), Dhanush B C Dileep G C (1MV20EC045), the bonafide students of Sir M (1MV20EC043), Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of MiniProject work prescribed for the said Degree.

Name & Signature of the Guide

Dr. V.G. Supriya, Professor & HOD,

Department of ECE

External Viva

SIR M. VISVESVAR Name & Signature of the HOD Internal

Dr. V.G. Supriya, Professor & HOD.

Department of ECE

Head of the Department

Electronics & Communications Engineering

Sir M VIT Bangalore 562 157

Name of the examiners

1 DA. Sunil cumarce N

Signature with date

Rakesh 3400-562 67

Krishpadeva

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevrayanagar, Hunasamaranahalli Banglore-562157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



YEAR 2022-2023

CERTIFICATE

Certified that the mini-project (18ECMP68) work "IOT BASED FISH MONITORING SYSTEM IN AQUACULTURE" is a bonafide work that is carried out by, ARYA KUMARI (1MV20EC026), PRACHI SAWARN (1MV20EC088), ROHIT ANAND (1MV20EC100), V SUCHITHRA (1MV20EC121) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfilment of the requirements for the Degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belgavi for the academic year 2022-2023. It is certified that the all the correction and the suggestion indicated by the Internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the course of Bachelor of Engineering.

Mrs. Santhot Mni. S Asst Professor Department of ECE

Dr. V.G. Supriya. Professor and Head Department of ECE PRINCIPAL
SIRM VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanaga: Hunasamaranahalli
International Almort Baras Bangalore-562 167

Principal SIR MVIT

Head of the Department
Electronics & Communications Engineering
Fir M VIT Bangalore 562 157

Name of Examiner

1. Dr.R. Sundargum

2. Vandhana. M

Signature with Date

19/7/23

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "FIRE FIGHTING ROBOT" is carried out by VIKAS BENAL(1MV20EC124), NIRANJAN SRIDHAR(1MV20EC126), SHANMUKHA SRINIVAS(1MV20EC127), VIJAY Y(1MV20EC128) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Mrs. N Bhuvaneswari

Asst Prof, Dept of ECE Sir MVIT Bangalore

Dr. V.G Supriya

Prof. & Head, Dept of ECE Sir MVIT Bangalore

PRINCIPAL

SIR M. VISVĖSVARAYA INSTITUTE OF TECHNOLO Krishnadewyraynnagar, Hunasamaranahai Iternational Airport Road, Bangalore-562 1 Principal

Sir MVIT Bangalore

Head of the Department

Name of the examiners Jectronics & Communications Engineering

1. P.C. P. Sundaragum Bangalore 562 157

, Vandhana. M

Var 18/7/23

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "SMART LIFE JACKET" carried out by Gali Shashidhar (1MV20EC049), Girishreddy B (1MV20EC051), Likitha P (1MV20EC069), Thasmeen D (1MV20EC118), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Name & Signature of the guide

Name & Signature of the HOD

Ms. SWETHA L

Assistant Professor.

Dr. V.G SUPRIYA

Professor and Head.

Principal

PRINCIPAL INVESTALA CHARACTURE FOR TECHNOLOG

Krishinadevarayanagar, Hunasamaranahalli International AIRESH'S. Bangalore-562 .57

Dept of ECE

Dept of ECE

Head of the Department

External Viva

Electronics & Communications Engineering Fir M VIT Bangalore 562 157 Signature with date

Name of the examiners

1 Dr R. Sundarege

2. Vandhona. M

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "PCB defect detection using image processing" carried out by Mr./Ms. G Pavithran(1MV20EC047), Gagana R (1MV20EC048), Kamyashree T (1MV20EC059), Lakshitha G(1MV20EC064), the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said degree.

Name & Signature of the Guide

Dr. V.G. Supriya, Professor & HOD Department of ECE

Name & Signature of the HOD

Dr. V.G. Supriya, Professor & HOD, Department of ECE PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishingusturs and Barinbingsamarana alli Internationo Birakesid Sengalore-56, 167

Head of the Department

Electronics & Communications Engineers

External Viva

Fir M VIT Bangalore 562 157

Name of the examiners

By. Samiltuman (CN

2. P. Shalin'

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "Performance analysis of SRAM cells for power reduction using low power techniques" carried out by Ms. BALASETTY SRAVANI(1MV20EC033) Ms. B KAVYA(1MV20EC032), Ms. M B VARALAKSHMI(1MV20EC070), Ms. SRI LAKSHMI A REDDY(1MV20EC113) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Signature of the Guide

Signature of the HOD

Krishnadevarayanagur, Hunasamara International About the Principalore Signature of the Principalore

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECH

Dr Sheetal Bagali

Dr Supriya V G

Prof Rakesh S G

Assistant professor

Professor and Head

Principal

Department of ECE

Department of ECE

Sir M V I T

Head of the Department

External Viva

Metronics & Communications Engineering

... 1 VIII Bangalore 562 157

Name of the examiners

1 pr. sunil lumer un 2. P. Shelis

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru – 562157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

It is certified that the mini project work (18ECMP68) entitled "PASSWORD BASED CIRCUIT BREAKER AND DISTRIBUTION PANEL" is a carried out by RAJSHREE SINGH KUMAR(1MV20EC107), SHIVAM L (1MV20EC095), K (1MV20EC094), REETHU SUBRAMANIAM G(1MV20EC115), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of the Degree of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022- 2023. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Assistant Professor

Dept. of ECE

Dr. V. G. SUPRIYA

Professor and HOD

Dept. of ECE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Principal

Sir MVIT

Head of the Department

Electricaterial Examination Vivagineering

SeM VIT Bangalore 562 157

Name of the Examiner

1) Dr. sunil lumar (CN 2) P. Shalu

Sir M Visvesvaraya Institute Of Technology

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)

Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "VEHICLE CONTROL BY HAND GESTURES" carried out by Mr. ABHISHEK KUMAR(1MV20EC004), ADAN BARI(1MV20EC005), AKSHAT GUPTA(1MV20EC011), ANURAG SINGH (1MV20EC020) , the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Assistant Professor

Dept. Of E&C, Sir MVIT

Dr. V.G. Supriya

Professor and HOD

Dept. of E&C, Sir MVIT

PRINCIPAL OGY SIR M. VISVESVARAYA INSTITUTE OF TECHN Krishnadevarayanagar, Hunasamara Interprof. Rakesh S.G.

Principal

Sir MVIT

External Viva

Head of the Department Electronics & Communications Engineering

Name of the examiners

Or M VIT Bangalore 562 1 Signature with date

1. Dr Survil lumar LCN

2. Drb Suprieya VB

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "EARTHQUAKE LIFE BED" carried out by bonafide students of Sir M Visyesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Mrs. VijavaLakshmi S

Dr. Supriya V G

Krishnadevarayanagar Hunasarna International Aimed Rose, Sangalore-but Dr. Rakesh H G

Associate Professor

Professor and Head

Principal/SIR MVIT

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TE

Dept. of ECE

ð

3

Head of Poportonepartment Mectronics & Communications Engineering Bir M VIT Bangalore 562 157

External Viva

Name of the examiners

1. Dre. Sundangum 2. Vandhara. H

Signature with date

Faw 18/7/83

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Bengaluru-562157 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the entitled "DESIGN AND ANALYSIS OF CMOS TWO STAGE OPAMP IN 180nm & 45nm" is a bonified work carried out by Raj Rajeswari R(1MV20EC093), Shalini K(1MV20EC103), Shwetha(1MV20EC111) students of SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfillment of the requirements for the award of the Degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belagavi for the academic year 2021-2022. It is certified that all correction and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of mini project(18CMP68) prescribed for the course of Bachelor of Engineering.

Signature of the guide

Mrs.Praveena N Asst.Prof.Dept of ECE Signature of HOD

Dr.Supriya V GProf.&Head,Dept of ECE

PRINCIPAL

N. VISVESVARAYA INSTITUTE OF TECHNO

Prof.Rakesh S G Principal

External viva

Name of the Examiner

I. Dr. R. Symbon gum

2 Vandhana, M

Signature with Date

1 denhy

2 Jan 18/7/23

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled 'ELECTRONIC VOTING MACHINE USING BIOMETRIC RECOGNITION' carried out by CA SRAVAN VARMA (1MV20EC037), CM RAGHAVA RAKSHITH(1MV20EC038), DEVIKA H A (1MV20EC042), NINGANAGOUDA G T(1MV20EC083) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said degree.

De Finide Name & Sig

Name & Signature of the HOD

Julyano

Mrs. Shalini P

Dr. V. G. Supriya

Associate Professor

Professor and Head.

Dept of ECE

Dept of ECE

Head of the Department Flectronics & Communications Engineering

'-M VIT Bangalore 562 157

External Viva

Name of the examiners

1. D1-sunil lamaren 2. Do Sapniya VG

Signature with date

PRINCIPAL SIR M. VISVĖSVARAYA INSTITUTE OF TECHNOLOGY Krishnedevarayanagar, Hunasamaranahalli International Arport Roed, Bangalore-562 157

Prof. Rakesh S.G.

Principal

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

This is to certify that the mini-project work (18ECMP68) entitled "VEHICLE THEFT DETECTION" is a bonafide work carried out by the bonafide students of Sir M. Visvesvaraya Institute of Technology, in partial fulfillment for the award of the Degree of Bachelor of Engineering in Electronics and Communication of Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said degree

Mrs. K N Rajeswari

Assistant Professor Department of ECE

Dr. Supriya V G Professor and Head Department of ECE

PRINCIPAL SIR M. VISVÈSYARAYA INSTITUTE OF TECH Krishmadevarayanagar, Hunasaman Internation In Italies In Bangalore 6. ...

Principal / Sir MVIT

Head of the Department

Flectronics & Communications Engineers

External Examination Vivae

Name of the Examiner

1. Dr. Sunil lamor la 2. Dr Supriya VB

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Project Work entitled "SMART MILITARY TENT" carried out by Ms. Geetha Priya CR (1MV20EC050), Ms. Keerthana A (1MV21EC405), Ms. Lakshmi BS (1MV21EC406), Mr. Manoj DP(1MV21EC407) the bonafide students of Sir M Visvesvaraya institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini project work prescribed for the said Degree.

Associate Prof.

Of ECE Dept.

Signature of the HOD

Dr.V.G. Supriya

Professor & Head

Department of ECE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasamaranahalli Internal Signature of the Principal

Prof. Rakesh S.G

Principal

Sir MVIT,Bengaluru

Head of the Department

Electronics & Communications Engineering

Sir M VIT Paragrame 562 157

External Viva

Name of the examine

Vardhana y

Signature with date

Vac 13/4/23

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "AUTOMATIC PET FEEDER" carried out by Mr. Bachchanakallappa H (1MV20EC129), Mr. Doddamani Mehaboob Alum (1MV21EC402), Mr. Gulam Gouse M (1MV21EC403), Ms. Tejaswini K (1MV21EC409) the Bonafede students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the

said Degree.

Signature of the Guide

Ms. Mrs.Rajeshwari K N

Signature of the HOD

Dr. V.G. Supriya

SIR M. VISVE Signature of the Principal LUGY Krishnadeva

International Prof Rakestus 6562 157

Assistant professor

Professor & Head of

Prinicipal

Department of ECE

External Viva

Department of ECE

Sir MVIT, Bengaluru

Head of the Department

Electronics & Communications Engineering

Sir M VIT Bangalore 562 157

Name of the examiners

1. Pr.R. Sundanaguru 2. Vanolhana, M

Signature with date

Fow 19/7/23

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project(18ECMP68) work entitled "ANYTIME MEDICINE VENDING MACHINE" carried out by Mr. PRANAV RAJ (1MV20EC089), Mr. RAGHVENDRA KUMAR (1MV20EC092), Mr. RITIK KUMAR DUBEY (1MV20EC098), Mr. TUSHAR YADAV (1MV20EC119), bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfillment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Mrs. Santhoshini S Asst Prof, Dept of ECE

Sir MVIT Bangalore

Dr. V G Supriya Prof. & Head, Dept. of ECE

Sir MVIT Bangalore

Head of the Department Tectronics & Communications Engineering

Bir M VIT Bangalore 562 157

External Viva

Name of the examiners

1. Dr. R. Sundangum 2. Vardhana .M

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project entitled "RFID Token-Based Appointment Calling System" is a bonafide work carried out by AAYUSH SINHA (1MV20EC002, MANOBRATH DUTTA (1MV20EC073, RITESH KUMAR RAI (1MV20EC097), VAIBHAV KUMAR (1MV20EC122) of Sir M. Visvesvaraya Institute of Technology, Bangalore, in partial fulfillment for the award of degree of Bachelor of Engineering in Electronics and Communication of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Mini- project (18ECMP68) prescribed for Bachelor of Engineering degree.

Mr. R NATRAJA

Dr. SUPRIYA V G

SIR M. VISVESVARAYA INSTITUTE OF TECHNOL Krishn: Profus RAKESHUS Gemaranaha International Airport Road, Bangalore-562

Associate Professor Department of ECE Professor & Head

Principal

562 157

Department of ECE

Sir MVIT, Bengaluru

Head of the Department

Name of Examiners: Electronics & Communications Engineenignature with Date

1. Dr. & Sunday Jum

2 Vanolhona M

Jan 19/7/2

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "Voice Recognized Elevator/Lift Control" is carried out by ANUPAM (1MV20EC018), VISHAL (1MV20EC086), PRIYANSHU (1MV20EC091), SHANTANU (1MV20EC104) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the Reportdeposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Mrs. Lakshmi H. G. Asst Prof, Dept of ECE Sir MVIT Bangalore

Dr. V.G Supriya
Prof. & Head, Dept of ECE
Sir MVIT Bangalore

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNO

Krishnadevarayanagar, Hunasamaranath
Krishnadevarayanagar, Hunasamaranath
Krishnadenal Alpakesh SB @galore-562

International Alpakesh SB @galore-562

Sir MVIT Bangalore

Head of the Department

Electronics & Communications Engineering
Sir M VIT Bangalore 562 157

External Viva

Name of the examiners

2 Moundhoura. A

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru - 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "Bird repellent system" carried out by Ms.Bhavya M(1MV21EC400), Ms. Shashikala R(1MV21EC408), Ms. Vishala S S, (1MV21EC410), the bonafide students of Sir M Visvesvaraya Institute of Technologyin partial fulfilment for the award of Bachelor of Engineeringin Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree.

Signature of the Guide

Ms. Seema S. Assistant professor

Department of ECE

Signature of the HOD

Dr.V.G. Supriya Professor &Head of

Department of ECE

Krishnadavarayunngar Hunasamaranahatli InterSignature of the Principal Pre-562 157

> Prof Rakesh S.G. Prinicipal

Sir MVIT, Bengaluru

Head of the Department

Electronics & Communications Engineering

External Viva

Sir M VIT Bangalore 562 157

Name of the examiners

1. Dr. R. Sundanagum 2. Vandhana. M

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevrayanagar, Hunasamaranahalli Banglore-562157

DEPARTMENT OF FLECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the project work "WIRELESS POWER TRANSMISSION USING MICROWAVE" is a bonafide work that is carried out by, ASHISH KUMAR (1MV20EC028), AYUSH KAUSHIK (1MV20EC030), AYUSH SINGH (1MV20EC031), BHASKAR KUMAR SINHA (1MV20EC034) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfilment of the requirements for the Degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belgavi for the academic year 2022-2023. It is certified that the all the correction and the suggestion indicated by the Internal assessment have been incorporated in the report deposited in the departmental library.

The project report has been approved as it satisfies the academic/requirements in respect of the project work prescribed for the course of Bachelor of Fingingering

Lakel: H G. Mrs. Lakshmi H.G. Asst Professor

Department of ECE

Di-V.C.Sooliva.

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOG Krishnedev Pryofa Railtos la Salanahalli International Airport Road, Bangalore-562 16

Department of the Head of the Department

SIR MVIT

Electronics & Communications Engineering Bangalore 562 157

Name of Examiner

1. Dr sunil rumanien 2. Dr Sapriya VG

SRI KRISHNADEVARAYA EDUCATIONAL TRUST SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "LAND MINE DETECTOR" is carried out by MONISH GOWDA NS(1MV20EC079), NAVNEET KRISHNA (1MV20EC082), ROHITH G(1MV20EC101), SHEIK TANZEEM (1MV20EC106) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections and suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project work prescribed for the said Degree. PRINCIPAL

Mrs. N Bhuvaneswari

Assistant Professor,

Department of ECE

Sir MVIT Bangalore

Dr. V.G Supriya

Professor & Head,

Department of ECE

Sir MVIT Bangalore

1 SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasamaranahalli

Interofessor: Rakeshos. G 562 157

Principal

Sir MVIT Bangalore

Head of the Department

Name of the examiners or M VIT Bangalore 562 5 15 1gr 15Signature with date

1 Dr. P. Simdingum 2 Vandhara M

Van 19/2/23

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

BENGALURU-562157

Department of Electronics and Communication Engineering



CERTIFICATE

This is to certify that the project entitled "BABY MONITORING SYSTEM" is a bonafide work carried out by ANKIT KUMAR (1MV20EC016), ARMAN ARYAN (1MV20EC024), HARSHIT (1MV20EC053), HIMANSHU SEKHAR DAS (1MV20EC055) of Sir M. Visvesvaraya Institute of Technology, Bangalore, in partial fulfillment for the award of degree of Bachelor of Engineering in Electronics and Communication of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of Miniproject (18ECMP68) prescribed for Bachelor of Engineering degree.

Dr. SASMITA MOHAPATRA

Professor

Department of ECE

Jupola

Dr. SUPRIYA V. G.

Professor & Head

Department of ECE

Principal

Sir MVIT, Bengaluru

Head of the Department Electronite & Communications Engineering Mr. Bangalore 562 157

Name of Examiners:

, cupil lummich

2. Do Supriya V Gy

Signature with Date

19/07/

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevrayanagar, Hunasamaranahalli Banglore-562157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION **ENGINEERING**



CERTIFICATE

Certified that the mini project work "Voice Based Notice Board Using Android" is a bonafide work that is carried out by, SATYAM(1MV20EC102), SHANTANU SINGH(1MV20EC105), SHWETA KUMARI(1MV20EC110), YOGESH KUMAR(1MV20EC125) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfillment of the requirements for the Degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belgavi for the academic year 2022-2023. It is certified that the all the correction and the suggestion indicated by the Internal assessment have been incorporated in the report deposited in the departmental library.

The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the course of Bachelor of Engineering.

Asst. Prof, Dept. of ECE

Name of Examiner

Dr. Supriya .V. G Prof. & Head of Dept.

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasamaranahalli InternatBrafa Rakeshi, Bangalore-562 157

Principal

Head of the Department

Electronics & Communications Engineerignature with Date

Pir M VIT Bangalore 1. Dr. R. Sundaregung 2. Vandhana M

Dept. of ECE, Sir MVIT

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC) Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Mini-project work entitled "FALL DETECTION SYSTEM using Node MCU" carried out by JAGAN MOHANTY (1MV20EC058), ENAM HABIBUR RAB (1MV20EC046), KAUSHAL KISHORE (1MV20EC061), LIKHITH CK (1MV20EC067) the bonafide students of Sir M Visvesvaraya Institute of Technology in partial fulfilment for the award of Bachelor of Engineering in Electronics and Communication Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022-23. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini

Project work prescribed for the said Degree.

Signature of the Guide

Dr. G. Shashibhushan

Assistant professor

Department of ECE

Signature of the HOD

Dr.V.G.Supriya

Professor & Head of

Department of ECE

Krishigoetsmayof the Principa

Prof Rakesh S.G.

Prinicipal

Sir MVIT, Bengaluru

Head of the Department

Mectronics & Communications Engineering

External Viva " - M VP" It meniore 562 157

Name of the examiners

1. Dr. Sund lamance N 2. Dro Suprieya V G

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevrayanagar, Hunasamaranahalli Banglore-562157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



CERTIFICATE

Certified that the mini-project(18ECMP68) work "GPS-GSM BASED INLAND VESSEL TRACKING SYSTEM FOR AUTOMATIC EMERGENCY DETECTION AND POSITION" is a bonafide work that is carried out by, PIYUSH SINGH (1MV20EC087), RITURAJ SINGH RAJAWAT (1MV20EC099), SHUBRADEEP DAS (1MV20EC109), SUSHANT KUMAR (1MV20EC117) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfilment of the requirements for the Degree of Bachelor of Engineering in Electronics and Communication Engineering of Visvesvaraya Technological University, Belagavi for the academic year 2022-2023. It is certified that all the correction and the suggestion indicated by the Internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the course of Bachelor of Engineeling.

Signature of Guide

Dr R Sundaraguru

Professor / Dept. of ECE

Signature of HOD

Dr Supriya V G

HOD / Dept. of ECE

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECH

Krishnadevarayanagar, Hunasamaran Internal Engineer Regions ing lore-52 157

Prof. Rakesh S G

Principal

Head of the Department SIEMETRIA VIVE Examination 562 157

Name of Examiner

Dr. R. Sundargum Vandllana, U

Signature with Date

Varia 12/23

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "HEAT MONITORING SYSTEM FOR carried out by Ms. AKHILLAA INDUSTRIAL HOT BOILERS" (1MV20EE004), Mr. MOHAMMED NAWAZ (1MV21EE417), Ms. POOJA K R (1MV21EE423), Ms. SUCHITHRA J (1MV21EE443), a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini-Project work report has been approved as it satisfies the academic requirements in respect of mini-project work prescribed for the above-mentioned degree.

Signature of Guide Dr. Parthasarathy V

Dr. H L Suresh PROF. & HEAD

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY DEPT. OF ELECTRICAL & ELECTRONICS ENGGINternational Airport Road, Bangatore-562 157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadovara) eneges, Humanamarenorali (Ma) Velahanka, Bengueru - 562 157

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. Dr sukesit. H.L. 2. HD Ketsmani

Beh 19/3/23

Red 19/2/20

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini-project work entitled "ENERGY TRADING PLATFORM USING BLOCKCHAIN" carried out by Mr. ADARSH KUMAR GUPTA, USN 1MV20EE002, Mr. AMAN KUMAR, USN 1MV20EE005, Mr. ANAND SINGH, USN 1MV20EE006, Mr. AVANEESH PATEL, USN 1MV20EE012, bonafide students of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini-Project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above-mentioned degree.

Signature of Guide Dr. Suresh H L

SIR M. VISVESVARAYA PASTITUTE OF TECHNOLOGY PRINCIPAL Krichnydevarayanaya: Hunasamaranarahu Krichnyderturk at Bushkipkilore 562 167 Intern 1916t, Rakesh S G

DEPT. OF ELECTRICAL & FLECTRONICS ENGG. SIR M. VISVESVARAYA IMSTITUTE OF TECHNOLOGY

Name of Examiners

Signature with Date

1. Dr. SURESH. H.L. 2. Ap Kaugman.

Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 56215 Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "DESIGN OF A SIMPLE BATTERY PROTECTION SYSTEM" carried out by Mr. Roopesh N (1MV21EE431), Mr. Selvan S (1MV21EE436), Mr. Sharath Kumar U (1MV21EE431), Mr. Srinath KV (1MV21EE44), Bonafide students of Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above-mentioned degree.

Signature of Guide Dr. V. Parthasarathy DEPT OF ELECTRICAL & SI ECTPONICS ENGO.

Signature BRH Hall SIR AL MISHESHARKS HISTERITE OF TECHNOLO Krishnadevarayanagar, Hunsesamarasa SIR IN VISUESMANANTA INSTITUTE OF FECHHOLOGY INTERNATIONAL APPORT ROOM RESIDENCE

Kriennadaverayanages, Hitamaamaranahall (Via) Yalobanka, Bengalum - 362 157

EXTERNAL VIVA

Name of Examiners

1. Dr. Ho Kellymans

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "Electrical Power Generation Through Speed Breaker" carried out by Mr. KARTHIK K RATHOD (1MV20EE034), Mr. ABHISHEK D (1MV21EE400), Mr. BALAJI J C (1MV21EE405), Mr. MAHESH K S (1MV21EE414), a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvarava Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini Project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above-mentioned degree.

Dr. Suresh H.L

Signature of Dr. Suresh H.L.

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TE Signature of Path citalsane Interral of a Ringer Road Bangalore - . . . 37

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. Dy SURETH H.L 2. HD Katymani

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)
Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "TRANSMISSION LINE FAULT DETECTOR" carried out by Mr. AMARNATH S (USN:1MV21EE401), Ms. M V TEJASRI (USN:1MV21EE419), Ms. NAVYA D (USN:1MV21EE420), Mr. RITHESHKUMAR (USN:1MV21EE430), a bonafide student of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini Project work report has been approved as it satisfies the academic requirements in respect of the mini project work prescribed for the above-mentioned degree.

Signature of Guide V Rajesh Kumar

Signature of HOD Dr. Suresh H. L SIR M. VISVESignature of Principal
Krishnadevara Prof., Ratesir S. G. 1000
International Aspect Revel. Sancalog.

EXTERNAL VIVA

Name of Examiners

Signature with date

1. DY SURESH. H.L

-19/412

2. HO Ketymani

1917/2

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "SIMULATION AND IMPLEMENTATION OF SEPIC FED MULTILEVEL INVERTER" carried out by Mr. BASAVESH G ANGADI, USN $1MV20EE014,\,Ms.\;DEEKSHA\;S\;,\,USN\;1MV20EE022,\,Ms.\;DIVYA\;K\;S,\,USN\;1MV20EE025,$ Mr. MADAN GOWDA H, USN 1MV20EE038,, a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above-mentioned degree.

Signature Guide

DEM. OF CHECTRICAL & ELECTRONICS ENGG.

SIR M. VISVESYMRAYA INSTITUTE OF TECHNOLOGY Khatinadavarayanagar, Hunasamarannhalil (Via) Yelahanka, Bengaluru - 862 157

PRINCIPAL Kisignature of Principal 252 157 Internal Prof. Rakesh S.G.

EXTERNAL VIVA

Name of Examiners

DY, SUKETH-H.L

HO Kethinari

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "Acoustic Fire Extinguisher" carried out by Ms. ANJANA K M [1MV20EE009], Ms.CHAITHRA R [1MV20EE018], Ms.H KEERTANA [1MV20EE030], Ms.KUSUMA [1MV20EE037] a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project work report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the above-mentioned degree.

Mrs. P Sumalatha

Dr. Suresh H. L

PROF. & HEAD

DEPT OF ELECTRICAL & ELECTRONICS ENGG. SIE M. VISVESYARAYA INSTITUTE OF TECHNOLOGY Krishnacevarayanagar, Hunasamananansisii (Vib) Yolarama, Bengaluru - 562 157

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. Dr. SURESH

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "Gas Leakage detector Using Arduino" carried out by Mr. AKASH M DODDAMANE, USN 1MV2OEE003, Mr. BHUVAN P M, USN 1MV20EE016, Mr. CHETHAN HJ, USN 1MV20EE020, Mr. FAHIM KHAN, USN 1MV20EE027, bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degreeof Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini Project work report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the above-mentioned degree.

Signature Guide Dr. Mahesh .K

Dr. Suresh H.L.

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOG Krishnadevara Krishnadevara ranger. Hungsamaranahalli In Signature of Principal Part Pakash S C Sangalore-562 15 Prof. Rakesh S.G

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. Perof H.D Kaltimani 2. R. Linapriyan

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "REMOTE CONTROL PLANT WATERING SYSTEM USING 8051" carried out by Mr. RAKESH B R, USN 1MV20EE057, Mr. B MADHU, USN 1MV21EE404, Mr. KISHOR R HASILKAR, USN 1MV21EE411, Mr. M MOHANKUMAR, USN 1MV21EE413 a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project work report has been approved as it satisfies the academic requirements in respect of mini project work prescribed for the above mentioned degree.

Signature of the Guide Mr. Siddappaji M R Signature of the HOD

Dr.H-I-Suresh AD

PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagac Hunasamaranahalii
International Arrayanagac Hunasamaranahalii
International Arrayanagac Hunasamaranahalii
Prof. Rakesh S.G

DEPT, OF ELECTRICAL & ELECTRONICS ENGG.

SIT. M. VISYESYARAYA INSTITUTE OF TECHNOLOGY
Krishnadavarayanagar, Hummameranahasil
(VIa) Yalahanka, Bandaluru - 652, 167

EXTERNAL VIVA

Name of Examiners

1. Prof. H.D. Kattimani 2. P. Siva priyan....

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "MAXIMUM POWER POINT TRACKING SYSTEM WITH IOT" carried out by Mr. CHETAN 1MV21EE407, Mr. JALINDAR 1MV21EE410, Mr. SHIVALINGAYYA 1MV21EE441, Mr. MAHAMMAD MAKBUL 1MV21EE450 a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above-mentioned degree.

Signature Guide

Signature of HOD Dr. H L Suresh

SIR M. Signature of Principal CHNOLOGY
Krishnad Profy Rakesh. Scamaranahalii
International Airport Roed, Bangalore-562 157

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. PROF. H.D. FATTIMANI

2. R. SIVAPRIYAN

R. 80 12/3/2

- 2 -

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini-project work entitled "HUMAN FOLLOWING ROBOT USING ARDUINO UNO" carried out by Mr. ANSH KUMAR (1MV20EE010), Mr.RAHUL KUMAR(1MV20EE055), Mr.ROMI SHARMA (1MV20EE058), Mr. SANSKAR BHATT(1MV20EE062) bonafide students of Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini-Project work report has been approved as it satisfies the academic requirements in respect to the interproject work prescribed for the above mentioned degree.

Signature of Guide Mr. RRADEEF KUMAR Signature of HOD Dr. H L SURESH

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Kolignature of Painfulpalmaranaha
Inter Perof. RAKESH. Seconore-562 147

EXTERNAL VIVA

Name of Examiners

Signature with Date

1 R. SIVAPRIMAN

2. DA. MADHO PALATI

Noted 1417/23

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "Electrical Power Generation Through Speed Breaker" carried out by Mr. KARTHIK K RATHOD (1MV20EE034), Mr. ABHISHEK D (1MV21EE400), Mr. BALAJI J C (1MV21EE405), Mr. MAHESH K S (1MV21EE414), a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini Project work report has been approved as it satisfiesthe academic requirements in respect of project work prescribed for the above-mentioned degree.

Signature of Guide Dr. Suresh H.L

Signature of HC Dr. Suresh H.L.

SIR M. VISVĖSVARAYA INSTITUTE OF TECHNOLOGY Krish Signatuya: afaP runeipmbranaha International Airparta Read, Bangalore-562 157

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. Dr SIDRESH. H.L 2. HD Katymans

Wells 1917

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "Electrical Power Generation Through Speed Breaker" carried out by Mr. KARTHIK K RATHOD (1MV20EE034), Mr. ABHISHEK D (1MV21EE400), Mr. BALAJI J C (1MV21EE405), Mr. MAHESH K S (1MV21EE414), a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini Project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above-mentioned degree.

Dr. Suresh H.L

Dr. Suresh H.L

PRINCIPAL SIR M. VISVESYAND OF Principal Termorogy Interna Prof. Rakesh S.CF ama

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. By suresit-H-L 2. HD Kells mans

Self 19/23

(Approved by AICTF. New Delhi, Affiliated to VTO. Helagavi, ISO 9001-2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "Electrical Power Generation Through Speed Breaker" carried out by Mr. KARTHIK K RATHOD (1MV20EE034), Mr. ABHISHEK D (1MV21EE400), Mr. BALAJI J C (1MV21EE405), Mr. MAHESH K S (1MV21EE414), a bonafide students of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023, it is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini Project work report has been approved as it satisfies the academic requirements in respect of project work prescribed for the above-mentioned degree.

Signature of Guide Dr. Suresh H.L.

Dr. Suresh H.L.

PRINCIPAL SIR W AICALCASSAN ANCHITATE OF LECHNOLOGY International Hankouti Warphore by 157

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. By SURESH. 14.L 2. HD Ketymans

Bed 19/23.

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini project work entitled "VEHICLE ACCIDENT ALERT SYSTEM USING VIBRATION SENSOR, GPS AND GSM MODULE" carried out by Mr. MANJUNATH G C, USN 1MV20EE040, Mr. NAGARJUNA M D, USN 1MV20EE047, Mr. NITEESH, USN 1MV20EE049, Mr. UTTAM BHAVIMANI, USN 1MV20EE072, a bonafide student of Sir M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project work report has been approved as it satisfies the academic requirements in respect of the mini project work prescribed for the above-mentioned degree.

Mr. Bhaskar C

SIR M. VISYESVAR MALESTITUTE OF TECHNO! Signature of Principal Juna to the

YISYESYAPAYA INSTITUTE OF TECHNOLOGY

Name of Examiners

Signature with date

Prof. Rakesh S G ore-502

I. R SIVADRIYAN

PROF. H. D. KATTIMANI

gen (1)

(Approved by AICTF. New Delhi, Affiliated to VIU, Belagavi, 180 9001 2008 (sentised) Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini-project work entitled "Wireless Electric Vehicle Charging System" carried out by Ms. MONIKA M R (1MV20EE046), Ms. SANIYA (1MV20EE061), Mr. PUNEETH C G (1MV21EE427), Mr. VENKATESH K (1MV21EE449), bonafide students of Sir M.VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfillment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini-Project work report has been approved as it satisfies the academic requirements in respect of mini-project work prescribed for the above-mentioned degree.

Signature of Guide

Dr. Suresh H.L.

DEFT OF A Dry-Suresh HTL WE WOL

SIK IN HOVESHEEK OF HOMES IS THE MYSICAL Hitchina Contracting super, in a month of the of all (Ma) Yelanshirk Benguluru - 962 157

Signature of Principal

Prof. Rakesh S G

EXTERNAL VIVA

Name of Examiners

Signature with Date

1. R. SivaPsiyan - 9 80 1217/23
2. Prof. H D. Kattimani Poly

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru – 562157

Department of Electrical & Electronics Engineering



CERTIFICATE

Certified that the mini-project work entitled "RFID-BASED SMART PETROL PUMP" carried out by Mr. Amruth kumar N (1MV21EE402), Mr. Ashoka K M (1MV21EE403), Mr. Chethan kumar S (1MV21EE408), Mr. Sachin s karagi (1MV21EE432), Bonafide students of Sir M. Visvesvaraya Institute of Technology, Bengaluru in partial fulfilment for the requirements for the award of the degree of Bachelor of Engineering in Electrical & Electronics Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The Mini-Project work report has been approved as it satisfies the academic requirements in respect of mini-project work prescribed for the abovementioned degree.

Signature of Guide Mrs. Vijayalakshmi A.K SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Krishnadovarayansgar, Hunasamaranahalil (Via) Yelaharaka, Bengaluru - 562 157

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Signature of Principal Prof. Rakesh S. G.

EXTERNAL VIVA

Name of Examiners

1. R. SIVAPRIYAN
2. PROJ. H.D. KATTIMANI

Signature with Date

Del 7/2/12)

Krishnadevarayanagar, Hunasamaranahalli, Bangalore -562157 (Affiliated to Visvesvaraya Technological University, Belgaum)

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING



YEAR 2022-2023

CERTIFICATE

Certified that the project work "THIRD EYE FOR BLIND ULTRASONIC VIBRATOR GLOVES" is a bonafide work carried out by HARSH KUMAR VERMA(1MV20ET012), SAMIR KUMAR(1MV20ET024), SOURAV(1MV20ET028), PRASHANT KUMAR SONU(1MV20ET035), students of SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfillment of the requirements for the award of the Degree of Bachelor of Engineering in Electronics & Telecommunication Engineering of Visvesvaraya Technological University, Belagavi for the academic year 2022-23. It is certified that all corrections and suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the course of Bachelor of Englineering.

Mrs. Swetha B. M.

Asst. Prof, Dept. of ETE

Dr. E. Kavitha Prof. & Head, Dept. Dept. of ETE

Sir MVIT, Bangalore.

Sir MVIT, Bangalore.

SIR RIVIS VESTABLY'S LASTITUTE OF TECHNOLOGY
Krishnadpyrichail acar Hunasamaranahalli
International Associate Bangalore 58.2 157 International

PRINCIPAL

Sir MVIT, Bangalore.

Name of the Examiner

1 Dr. E. KAVITORA 2. Siddia Japan Signature with

2 20 -12/7

Department of Electronics and Telecommunication



CERTIFICATE

This is to certify that the project entitled "Automated umbrella for crop protection" is a bonafide work carried out by ABHINAV KUMAR(1MV20ET001), ADELINE SHEETAL PINTO(1MV20ET002), MANMOHAN SINGH(1MV20ET015) and NIKITA BANTHIA (1MV20ET017) of Sir M. Visvesvaraya Institute of Technology, Bangalore, in partial fulfillment for the award of the degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements in respect of the Mini Project work (18TEMP68) prescribed for Bachelor of Engineering degree.

Internal Guide

SIR M. Vigwindkp' 6 INSTITUTE OF TECHNOLOGY

Krishnedevarayanegar, Hunasamaranah Head of the Department
International Airport Road, Bangalore-562 167

(Dr. E. Kavitha)
HOD
Dept. of ETE
Sir MVIT, Bangalore

(Dr. Rakesh S.G.) Principal Sir MVIT Bengaluru (Dr. E. Kavitha)
HOD
Dept. of ETE
Sir MVIT, Bangalore

Name of Examiner

Dr.E. KAVITHA

Siddig Ighor

Signature

5. 6 1410712 moly 1/2/2

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU - 562 157

DEPARTMENT OF ELECTRONICS TELECOMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Project Work [18TEMP68] entitled "FOOT STEP POWER GENERATION" is a bonafied work carried out by ANUSHA REDDY R (1MV20ET004), HARSHITHA R (1MV20ET013), SHRAVANI S (1MV20ET027), CHARITHASHREE V (1MV21ET400) in partial fullfillment for the award of degree of Bachelor of Engineering in Electronics And telecommunication Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2023-24. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

SAVITA A HARKUDE Associate Professor Dept of ETE Sir MVIT, Bengaluru

Dr. E. Kavitha G Professor and Head Dept of ETE Sir MVIT, Bengaluru PRINCIPAL
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnad Proff/Racket Hunasamaranahaili
Krishnad Proff/Racket Hunasamaranahaili
Internations Airport Khad, Bangalore-562 157

Sir MVIT Bengaluru

Name of Examiner

1. Dr.E. KAVITHA 2. Sidding Payba Signature with Date

1. 5 1 1407/23

(Approved by AICTE New Delhi, Affiliated to VTU, Belagavi, ISO 9001:2008 Certified)

Off International Airport Road, Krishnadevaraya Nagar, Bengaluru - 562157

Department of Electrical & Telecommunication Engineering



CERTIFICATE

Certified that the Project work entitled "<u>ULTRA SONIC GLASSES FOR BLIND</u>" carried out by THARUN PARTHEEV A (1MV20ET030), PUNEETH YADAV M(1MV21ET401), CHARAN B (1MV20ET008), BHYRESH CR (1MV20ET006) bona fide students of Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bengaluru in partial fulfilment for the requirements for the award of the degree of Bachelor of Engineering in Electronics & Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report deposited in the department library. The internship work report has been approved as it satisfies the academic requirements in respect of internship work prescribed for the above-mentioned degree.

Signature of guide

Ms. Sandhya.B.S

Signature of HOD

Dr. E. Kavitha

Signature of principal

SIR M. VISVESVARAYA INSTITUTE OF TECHA Kr. or Dr. Rakashi. Sucasamaran Int. Airport Road, Bangalore-3

EXTERNAL VIVA

Name of Examiners

1. Dr.E. KAVITHA

2. Siddig Egtel

Signature with date

nd in Filzs

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

Department of Electronics and Telecommunication Engineering



<u>CERTIFICATE</u>

This is to certify that the Project work Phase-1 (18TEMP68) entitled "IOT BASED AIR POLLUTION MONITORING SYSTEM" is a bonafide work carried out by JAYALAKSHMI.G (1MV20ET014), POOJA. R (1MV20ET020). RAMYA. V(1MV20ET022) of Sir M. Visvesvaraya Institute of Technology, B, in partial fulfilment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to department library. The project phase-1 report has been approved as it satisfies the academic requirements in respect of project work prescribed for Bachelor of Engineering degree.

Mr. FAIZ MOHAMMAD KAROBARI **Assistant Professor** Dept. of ETE

Professor & Head Manager Principal Dept. of ETE

Sir M V I T

Krishn Plean RAKESI

PRINCIPAL SIR M. VISVESYARAYA INSTITUTE OF TECHNOLOGY

Name of the Examiners

Signature with Date

S. 14/07/23

1. Dr.F. KAVITHA

2. Siddig Bet al Majories

Tulnius

Krishnadevrayanagar, Hunasamaranahalli Banglore-562157 (Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2022-2023

CERTIFICATE

Certified that the project work "SOLAR PANEL WITH SUN POSITION TRACKING" is a bonafide work that is carried out by, CHETHAN M T(1MV20ET010), SANKET HEGDE(1MV20ET025), TEJAS GOWDA(1MV20ET029), YATHISH K(1MV20ET034) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fulfillment of the requirements for the Degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of Visvesvaraya Technological University, Belagavi for the academic year 2022-2023. It is certified that the all the corrections and the suggestions indicated by the Internal assessment have been incorporated in the report deposited in the departmental

The project report has been approved as it satisfies the academic requirements in respect of the project work prescribed for the course of Bachelor of Engineering.

Mrs. Savita A Harkude Assoc. Prof. Dept. of ETE Sir MVIT Bangalore

Sir MVIT Banglore

Prof. Rakesh S G

Prof. & Head of Dept. ETESIR M. VISVES Principal TITLE OF IECHN Krishnadevarav Interna SiraMVIT Banglore alecca

Name of Examiner

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY BENAGLURU- 562 157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



CERTIFICATE

Certified that the Project Work [18TEMP68] entitled "DRIVER DROWSINESS DETECTOR" is a Bonafede work carried out by CHAYA N (1MV20ET009), NIVEDHITHA. K R (1MV20ET019), VARSHITHA.N (1MV20ET031), VIBHA B R (1MV20ET032) in partial fulfillment for the award of degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2023-24. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the adademic requirements in respect of project work prescribed for the Bachelor of Engineering Degree.

Dr.E.Kavitha Professor and Head Dept of ETE Sir MVIT, Bengaluru Dr.E.Kavitha
Professor and Head
Dept of ETE
Sir MVIT, Bengaluru

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadayarayanagar, Hunasamaranahalli
Inte prioria keshi SoGI, Bangalore-562 157
Principal
Sir MVIT,
Bengaluru

Name of Examiner

1. Dr. E. KAYITHO 2. Sidding Sap of

Krishnadevrayanagar, Hunasamaranahalli Banglore-562157 (Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2022-2023

CERTIFICATE

Certified that the project work "SMART HOME ASSISTANT" is a bonafide work that is carried out by, BHARATHKUMAR HUGAR(1MV20ET005), CHANDU M(1MV20ET007),F MAARAN LAWRENCE(1MV20ET011), SAI KIRAN D BADIGER(1MV20ET023) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fullfillment of the requirements for the Degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of Visvesvaraya Technological University, Belgavi for the academic year 2022-2023. It is certified that the all the correction and the suggestion indicated by the Internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requiremental respect of the project work prescribed for the course of Bachelor of Engineering.

Dr. Dinokumar Kongkham
Asst. Prof, Dept. of ETE
Sir MVIT Bangalore

Dr. E. Kavitha
Prof. & Head of Dept.
Sir MVIT Bangalore

Principal
Sir MVIT Bangalore

Name of Examiner

1. Dr. E. KAYITHA 2. Silving

Krishnadevrayanagar, Hunasamaranahalli Banglore-562157 (Affiliated to Visvesvaraya Technological University, Belgavi)

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



YEAR 2022-2023

CERTIFICATE

Certified that the project work "WSN BASED DATA ACQUISITION FOR MULTIPLE FAULTS MONITORING AND CONTROLLING" is a bonafide work that is carried out by, ANUBHUTI SINHA(1MV20ET003), PRIYANSHUSAHAY(1MV20ET021), SHASHWAT KUMAR(1MV20ET026), VK SREELAKSHMI (1MV20ET033) students of SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY in partial fullfillment of the requirements for the Degree of Bachelor of Engineering in Electronics and Telecommunication Engineering of Visvesvaraya Technological University, Belgavi for the academic year 2020-2024. It is certified that the all the correction and the suggestion indicated by the Internal assessment have been incorporated in the report deposited in the departmental library.

The project report has been approved as it satisfies the academic requirements in respect of the

project work prescribed for the course of Bachelor of Engineering.

Dr. Dinokumar Kongkham

Asst. Prof, Dept. of ETE

Sir MVIT Bangalore

Prof. & Head of Dept.

Sir MVIT Banglore

PIOR RIGHTALSG

SIR M. VISVÈSYA BYMOGRADITE OF TECHNOLOG Sir MVIT Bangfore Internal.

Name of Examiner

1. Dr. E. KAYITHA 2. Siddin Sapa

SIR M. VISVESVARAYAINSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "MULTI-BLADE VEGETABLE CUTTING MACHINE" bonafide work carried out by CHETHAN K - 1MV21ME406, DEEPAK RAJU N - 1MV21ME409, PUNEETH J - 1MV21ME431, YASHWANTH M - 1MV21ME448, in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Mini Project Work (18MEMP68) prescribed for the Bachelor of Engineering degree.

Dr. K. S. SHANMUKHARADHYA Krisnepderara

SIR H. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Professor

Professor and Head of

Principal

Sir MVIT, Bengaluru

Mech Dept, Sir MVIT, Bengaluru

Sir MVIT, Bengaluru

Names of the Examiner

1. Dr. Pradont His. 2Dr.B.J. Praved bonn

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "POWER GENERATION USING SWING MOTION" is a bonafide work carried out by Charan Kumar.S 1MV21ME405, Sirisha.s 1MV21ME439, Nandan Kumar N 1MV21ME426, Mohammed Adnan Shariff 1MV21ME424 in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

M17.7.800

PRINCIPAL

SIR M. VISVÈSVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalii
International Airport Roed, Bangalore-562 167

Mrs. Veena B G

Dr. K S Shanmukharadhya

Porf. Rakesh S G

Assistant professor

Professor and Head

PRINCIPAL

Mech. Engg.

Dept. of Mech. Engg.

Sir M VIT.

Sir M V I T, Bengaluru

Sir M V I T, Bengaluru

Bengaluru

Names of the Examiner

Dr. Prashant H.S.

2. Bo: B. S. PRAVEEN Kennya

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "MODELLING AND FABRICATION OF FLOOD RESISTANCE HOUSE" is bonafide work carried out by RAJEEV K L (1MV20ME031), SRUJAN K (1MV20ME038), SUKSHITH VIDYASAGAR SHIVALENKAMATH (1MV20ME040), VENKATESH (1MV20ME044) partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been in corporate in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect to of Project Work prescribed for the Bachelor of

Dr.K S Shanmukharadilyhvisves Krishnadevaraya Prik Professor and Head International Airput Rich

Associate Professor

Engineering degree.

子の母親はないというとんけるは最かなか

Dept of Mechanical Engineering

Sir MVIT.

Signature with Date

Dept of Mechanical Engineering Sir MVIT, Bengaluru

Sir MVIT, Bengaluru

Bengaluru

Names of the Examiner

2D6.B. S. PRAVOEN luman

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Mini project work entitled "FABRICATION OF AUTOMATIC SOLAR TRACKING SYSTEM" is bonafide work carried out by by BHASKAR ML (1MV20ME009), DIVYA K (1MV20ME016), RAKESH N (1MV20ME032), RISHIKESH (1MV20ME033) partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been in corporate in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect to of Project Work prescribed for the Bachelor of Engineering degree.

Mr. NATRAJA M

Dr.K S Shanmukharadhya

Prof.Rakesh S G

Assistant Professor

Professor and Head

PRINCIPAL

Dept of Mechanical Engineering Sir MVIT, Bengaluru

Dept of Mechanical Engineering Sir MVIT, Bengaluru

Sir MVIT, Bengaluru

Names of the Examiner

2. Do. A. J. PROVEDEN burn

BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "Influence on tool geometry on friction stir welded joints" bonofide work carried out by DARSHAN N1MV21ME408, MOHAMMED SAMIUDDIN 1MV21ME425, SHIV KUMAR 1MV21ME438, SURESH A 1MV21ME441 in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Dr prashant S H

Dr. K S Shanmukharadhya

Prof. Rakesh S G

Assistant professor

Professor and Head

PRINCIPAL

Mech Engg

Dept of Mech Engg

Sir M VIT,

Sir M V I T, Bengaluru

Sir M V I T, Bengaluru

Bengaluru

Names of the Examiner

The Brankmant His

2. P. B. - S. - S. P. CANDEN Kumon

Signature with date

(Trappin

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "DEVELOPMENT OF REGENERATIVE BRAKING SYSTEM USING FLYWHEEL" bonafide work carried out by ANUP NIRMAL ABRAHAM 1MV20ME007, BHARATHA H S 1MV20ME008, MAYUR PRAKASH 1MV20ME025, SHOAIB AFFAN M 1MV20ME036 in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Mr. K.Ejaz Ahmed

Associate Professor

Mechanical Engg.

Sir MVIT, Bengaluru

18.7.2023

SIR M. VISVĖSVARAYA INSTITUTE OF TECHNOLOGY Krishnadevarayanagar, Hunasamaranahalli

Dr. K S Shanmukharadhya International Air Brofo Rakesteller 562 157

Professor and Head

PRINCIPAL

Department of Mech Engg.

Sir MVIT,

Sir MVIT, Bengaluru

Bengaluru

Name of the Examiner

Signature with Date

2 Do. B. S. Promont Kunson

F 19/2/2

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY **BENGALURU - 562 157** DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Mini Project Work [18MEMP68] entitled "SYNTHESIS AND CHARACTERIZATION OF NANO PARTICLES" is a Bonafide work carried out by Hariharan S (1MV21ME414), Sumeet Hugar (1MV21ME440), Tejesh (1MV21ME444) and U Sandesh (1MV21ME445) in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022 - 2023. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of Mini Project Work prescribed for the Bachelor of Engineering Degree.

Mr.Sampath Kumar L

Assistant Professor Dept. Of Mech Engg.

Sir MVIT, Bengaluru

Dr. K. S. Shanmukharadhaganal Alpon ar Pinkasha

Professor And HOD

Dept. Of Mech Engg. Sir MVIT, Bengaluru

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECH

Principal Bangalore 562 167

Sir MVIT, Bengaluru

Name of the Examiners

2. Do. A. S. Prason lemon

SIR M.VISVESVARAYAINSTITUTE OF TECHNOLOGY BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the mini project work entitled "Analysis and Fabrication study of Multi Crop Machine" bonafide work carried out by AJAY KANTH G V 1MV21ME400, N 1MV21ME412, HAREESHA HANISH 1MV21ME413, HEMANTH S 1MV21ME415 in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Assistant professor

Mech Engg.

Sir M V I T, Bengaluru

17.7.2023

Dr. K S Shanmukharadhya International Ambar Road, Bangalore-562 to

Professor and Head

Dept of Mech Engg.

Sir M V I T, Bengaluru

PRINCIPAL

Sir M VIT,

Bengaluru

Names of the Examiner

2. Bo. B. J. Roseon Curta

CS CamScanner

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Project Work [18MEMP68] entitled "MODELLING AND FABRICATION OF 360° FLEXIBLE DRILLING MACHINE" is a bonafide work carried out by Dinesh B(1MV20ME014), Dinesh M(1MV20ME015), Kishor Kumar R(1MV20ME020) and Lakshmisha R (1MV20ME022) in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022 - 2023. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering Degree.

Mr. Kumar swamy R

Assistant Professor Sir MVIT, Bangalore Dr. K S Shanmukharadhya

Professor and Head of

Mech. Dept., Sir MVIT, Bangalore Krishnadevet (1)

m. Hordover (1975) Iunasamaranahalli Hahmadaver (1976) Iunasamaranahalli Waaturida (1976) Iunasamaranahalli Waaturida (1976) Iunasamaranahalli

Names of the Examiners

Dr. Dradbant Ha

2.00. B. S. PRAVERY KUMAR

BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "DESIGN AND FABRICATION OF AUTOMATIC SIDE STAND" bonafide work carried out by KOUSTUBHA VISHNU S 1MV21ME417, MAHESH R 1MV21ME421, UMESH S 1MV21ME446 and YOGESH H K 1MV21ME417 in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Dr. G Balakumar

Dr. K S Shanmukharadhya

Prof. Rakesh S G

Associate professor

Professor and Head

PRINCIPAL

Mech Engg

Dept of Mech Engg

Sir M V I T,

Sir M V I T, Bengaluru

Sir M V I T, Bengaluru

Bengaluru

Names of the Examiner

1 Dr G Balakeman

2 ABhilach . S. 4

Signature with date

M-19/7/23

19/07/23

[i]

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU - 562157 DEPARTMENT OF MECHANICAL ENGINEERING



Certified that the project work entitled "FABRICATION OF HYDRAULIC ARM" bonafide work carried out by MAHANTHESH H M (1MV21ME420), NITHIN A(1MV21ME428), TEJAS S (1MV21ME443), VIJAYA KUMAR K R

(1MV21ME447) in partialfulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Dr.K S Shanmukharadhya

1.2003

Professor and HOD Dept. of Mech Eng

Sir MVIT, Bengaluru

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Dr. K S Shanmukharadh a ma Rakesh S G Bangalore-562 157

Professor and HOD

Dept. of Mech Engg

Sir M V I T,

Sir M V I T, Bengaluru

Bengaluru

Principal

Names of the Examiner Signature with date

2 AGNilara 8.4 2 19/03/23

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project work entitled "DESIGN & FABRICATION OF SHAFT DRIVEN BICYCLE" is a bonafide work carried out by Dev Prakash Pandey 1MV20ME011, Karan Rathore 1MV20ME019, Pranoy Jason D'Souza 1MV20ME028 and Shantaveer 1MV20ME035 in partial fulfilment for the award of Degree of Bachelor of Engineering in Mechanical Engineering under Visvesvaraya Technological University, Belgaum during the year 2020-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the department library. The mini project report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelors of Engineering Degree.

Signature with date

Signature with date

Dr. K S Shanmukharadhya

Professor & HOD

Dept. of Mechanical Engineering

Sir MVIT, Bangalore

Dr. K S Shanmukharadhya

Professor & HOD

Dept. of Mechanical Engineering

Sir MVIT, Bangaiore

PRINCIPAL

SIR M. VISVESYARAYA INSTITUTE OF TECHNOLOGY Krishnadeverayanagar, Hunasamaranahalli International Aircort Road, Bangalore-562 157
Prof Rakesh S G

Principal Sir MVIT, Bangalore

Name Of Examiner

MP 19/3/23 Rg. 19/07/23

SIR M. VISVESVARAYAINSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "LPG LEAKAGE ALERT USING **NITHISH KUMAR** bonafide work carried out by GSM" 1MV21ME418, MADHU J S 1MV21ME419, NAVEED PASHA 1MV21ME427, RAVITEJA B 1MV21ME433 in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Dr. Hanamantraygouda M B Dr. K S Shanmukhara

International Airport Post Bangalore-562 157

Assistant professor

Professor and Head

Sir M V I T,

Mech Engg

Dept of Mech Engg

Sir M V I T, Bengaluru

Sir M V I T, Bengaluru

Bengaluru

Names of the Examiner

1 Dr. G. Balduwar 2 Abhilash 5.9

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Mini project entitled "DESIGN AND FABRICATION OF SOLAR BASED SAFETY MONITORING SYSTEM" is a bonafide work carried out by, HARISH VERMA (1MV20ME017), JEEVAN KUMAR C R (1MV20ME018), M S PRAVEEN SAI (1MV20ME023), MALLIKARJUNA SAJJAN (1MV20ME024) are students of VI Semester in fulfilment for the Course of degree of Bachelor of Engineering in Mechanical Engineering at Sir M Visvesvaraya Institute of Technology, Bengaluru during the year 2022-2023 has successfully submitted the report. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The Mini Project Report has been approved and it satisfies the academic requirements in respect of Mini Project (18MEMP68) prescribed for the Bachelor of Engineering degree.

Dr. V. Shantha.

Dr. K. S. Shanmukharadhya

Prof. Rakesh S G

Professor

Professor & Head

PRINCIPAL

Dept. of Mechanical Engg

Dept. of Mechanical Engg

Sir MVIT

Sir MVIT, Bengaluru

Sir MVIT, Bengaluru

Bengaluru

Name of the Examiners

Signature with Date

1. Dr G Balakuman 2. Abhilash S.4

B_ 19/08/23

SIR M.VISVESVARAYAINSTITUTE OF TECHNOLOGY BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "MOTORIZED SOCOTI YOKE MECHANISM PISTON" bonafide work carried out by SYED SUHIL SIDDIQH 1MV21ME442, YOGESH G E 1MV21ME449, in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY Dr. K S Shanmukharadhyikrishnodeynmyanagar, Hunasamaranahali International Amburthoda Chilagaiche 562 157

PRINCIPAL

PRINCIPAL

Associate professor

Professor and Head

Mech Engg

Dept of Mech Engg

Sir M VIT.

Sir M V I T, Bengaluru

Sir M V I T, Bengaluru

Bengaluru

Names of the Examiner

1 Shirelings 5

2. PIPTanhantha.

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "HOME AUTOMATION SYSTEM USING GSM TECHNOLOGY" bonafide work carried out by MEENA H.E (1MV21ME423), PAVANKUMAR D.A (1MV21ME430), RISHEEK KAMBLE (1MV21ME434), SAGAR P KALLAPUR (1MV21ME436) in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Mr. K Madhukumar

Assistant professor

Dr. K S Shanmukharadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbirahadhymernatbira Professor and Head

Principal

Mech Engg

of Mech Dept

Sir MVIT,

PRINCIPAL SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Sir MVIT, Bengaluru

Sir MVIT, Bengaluru

Bengaluru

Names of the Examiner

1 Dr. G. Belakumar 2 Abh: lash: 5.9

Signature with date

A SA DE SE A COMPANY DE SE L'AND SE L'A

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU-562157

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the mini project work entitled TESTING OF METAL MATRIX COMPOSITES (A16061-ZrO2) DEVELOPED **COMPOSITES** FOR **HARDNESS** MICROSTRUCTURE ANALYSIS is a bonafide work carried out by ABHISHEK S (1MV20ME002), DHANUSH S (1MV20ME012), NISHANTH KALYAN N (1MV20ME026), SUHAS N M (1MV20ME039) in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Assistant professor Dept of Mech Engg

Sir MVIT, Bengaluru

Dr K S Shanmukharadhya

Professor and Head

Dept of Mech Engg

Sir MVIT, Bengaluru

Prof. Rakesh S G

Principal

Sir MVIT,

Bengaluru

Names of the Examiners

1 Dr. G. Bola Keewar 2. Abhilosh S. G

Signature with Date

MQ TS 13/23

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY **BENGALURU - 562 157 DEPARTMENT OF MECHANICAL ENGINEERING**



CERTIFICATE

Certified that the Mini Project Work [18MEMP68] entitled "SOLENOID ENGINE" is a Bonafide work carried out by Aravind C B (1MV21ME403), Danesh U (1MV21ME429) and Sachin Patil (1MV21ME407), Pavan K A (1MV21ME435) in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022 - 2023. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of Mini Project Work prescribed for the Bachelor of Engineering Degree.

Assistant Professor

Dept. Of Mech Engg. Sir MVIT, Bengaluru

Dr. K. S. Shanmukharadhya

Professor And HOD

Dept. Of Mech Engg.

Sir MVIT, Bengaluru

Prof. Rakesh S. G

Principal

Sir MVIT, Bengaluru

Name of the Examiners

1. Dr GBelakurar 2. Abhilosh. s.g

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE-562157

Department of Mechanical Engineering



CERTIFICATE

This is to certify that the project entitled "ALCOHOL DETECTION SYSTEM FOR THE SAFETY OF AUTOMOBILE USERS" is a bonafide Work carried out by ABHILASH G S (1MV20ME001), BHUVANESHWARA P(1MV20ME010), KUBER(1MV20ME021),

SACHIN AGRAWAL(1MV20ME034).of Sir M. Visvesvaraya Institute of Technology, Bangalore, in partial fulfillment for the award of degreeof Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the academic year 2022-2023. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report submitted to department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for Bachelor of Engineering degree.

/23	Sulamb
Dr. KS SHANMUKHARADHYA Professor and HOD,	PRINCIPAL SIR M. VISVESVARIYA DISTITUTE OF TECHNOL Krishnabet A. Frank Holless Grand Internation of the part of th
Dept. of Mech Engg.	SIR MVIT
Sir MVIT Bengaluru	Bengaluru
	Professor and HOD, Dept. of Mech Engg.

Name of the Examiners	Signature with Date
1,	1,
2	2

SIR M.VISVESVARAYAINSTITUTE OF TECHNOLOGY BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "OBSTACLE AVOIDING ROBOT" bonafide work carried out by ADARSH DR 1MV20ME003, ADITYA S PATIL 1MV20ME004, SHREYAS BELLIAPPA 1MV20ME037, SURAJ CHAVAN 1ME20ME041 in partial fulfillment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Dr KIRAN KUMAR M Assistant Professor

Mechanical engineering
Sir M V I T, Bengaluru

Dr. KS SHANMUKHARADHYA

Professor and HOD

Dept of Mechanical Engg

Sir M V I T, Bengaluru

Prof. RAKESHSG

Principal

Sir M VIT,

Bengaluru

Names of the Examiner

2. Chrodenned.

Signature with date

A) 20/7/27

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY BENGALURU - 562 157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Mini Project Work [18MEMP68] entitled "MODELLING AND DEVELOPMENT OF TOOLS FOR SOLID STATE WELDING" is a Bonafide work carried out by BHARATHA(1MV21ME404), DIVAKARA BABU G S(1MV21ME410), GURUKIRAN(1MV21ME411), KIRAN(1MV21ME416) in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022 - 2023. It is certified that all corrections suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The mini project report has been approved as it satisfies the academic requirements in respect of Mini Project Work prescribed for the Bachelor of Engineering Degree.

Mr. Chandrasekhar B **Assistant Professor**

Dr. K. S. Shanmukharadhya Professor and HOD

Prof. Rakesh S. G Principal

Name of the Examiners

Signature with Date

Les 20/0/20

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY **BENGALURU - 562 157** DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "FABRICATION OF BENCH TAPPING MACHINE" is a bonafide work carried out by ANIRUDH B 1MV20ME006, DHARSHAN YADAV K 1MV20ME013, VARUNA B 1MV20ME043, VISHWAS RAO K 1MV20ME045 in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Mr. Ramesh C G

Assistant Professor

Mechanical Engg.

Sir MVIT, Bengaluru

18.7.2023 Dr. K S Shanmukharadhya

Professor and Head

Department of Mech Engg.

Sir MVIT, Bengaluru

SIR M. VISVESVARAYA KrishnadevarBJBLbLOTPlanesamaranahalli International Airport Road, Bangalore-562 157 SIF MVIT,

Bengaluru

Name of the Examiners

2 Abhilach : S. G

Signature with Date

M1977/23

SIR M.VISVESVARAYAINSTITUTE OF TECHNOLOGY BENGALURU-562157 DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "FLOUR FILTER SIEVE MACHINE" bonafide work carried out by AKSHAY KUMAR 1MV21ME401, APSAR G M 1MV21ME402, RAKSHITHA B 1MV21ME432, and SAI TARAKARAM V1MV21ME437, in partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering /Industrial Engineering and Management of the Visvesvaraya Technological University, Belagavi during the year 2022-2023. It is certified that all correction suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work prescribed for the Bachelor of Engineering degree.

Mr. Prashanth L

Assistant professor

Mech Engg

Sir M V I T, Bengaluru

18.7.2023

Professor and Head

Dept of Mech Engg

Sir M V I T, Bengaluru

PRINCIPAL

SIR AL VISVĖSVARAYA INSTITUTE OF TECHNOLOGY Dr. KS Shanmukharadhya Krishnadevarayanagar, Hunasamaranaha Intern Prod A Rakeshi, Sangalore-562

PRINCIPAL

Sir M V I T,

Bengaluru

Names of the Examiner

Signature with date

2 Stivaleness

12/2/27