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



### Department of Civil Engineering

# Certificate

This is to certify that the project work entitled Slope Stability Analysis of Madikeri district and Landslide Mitigation is a bonafide work carried out by

Anil Kumar T	1KG16CV006
Chethana C R	1KG18CV007
Lavanya S	1KG18CV011
Narasimha Shenoy K P	1KG18CV014

in partial fulfilment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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Dr. Vyshali Bhat

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University Examiners:

Tuchma. M

W. Kelle



# K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING

#### **CERTIFICATE**

This is to certify that the project work entitled "SMART IRRIGATION SYSTEM USING IOT IN DRIP IRRIGATION" is a bonafide work carried out by

RAVI V 1KG18CV020 T M ROHIT YADAV 1KG18CV029 VARUN C J 1KG18CV032 ABHINANDAN BHAGAT 1KG18CV033

in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (18CVP83) prescribed for the degree.

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### Department of Civil Engineering

#### Certificate

This is to certify that the project work entitled Generating Alternative Energy Provide Uninterrupted power supply to Rural Villages is a bonafide work carried out by

> **AKASH K MURTHY** 1KG17CV003 **PRABIN SINGH** 1KG18CV016 PRAJWAL M 1KG18CV017 CHAITRA J 1KG18CV034

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#### Department of Civil Engineering CERTIFICATE

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#### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING

#### **CERTIFICATE**

This is to certify that the project work entitled "CASE STUDY ON BULLET TRAIN TRACK FROM MUMBAI-AHMEDABAD" is a bonafide work carried out by

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### **Department of Civil Engineering**

#### CERTIFICATE

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### **Department of Civil Engineering**

# Certificate

This is to certify that the project work entitled Design of Pile foundation for High Rise Structure and Numerical Validation is a bonafide work carried out by

Aishwarya M	1KG18CV001
Reemashree Das	1KG18CV021
Sunitha T U	1KG18CV027
Tejaswini Shivaram	1KG18CV030

in partial fulfilment for the award of Batchelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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#### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING

#### CERTIFICATE

This is to certify that the project work entitled SUSTAINABILITY OF TRADITIONAL VERNACULAR MUD HOUSES USING AUTODESK ECOTECT a bonafide work carried out by

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Sachin Sangappa Kagal

1KG18CV022

Chaitanya K N

1KG19CV400

Pradeep Kumar S T

1KG19CV405

in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (18CVP83) prescribed for the degree.

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Name and Signature of Examiner-1



# K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

This is to certify that the project work entitled "UTILIZATION OF WASTE PLASTIC IN BITUMINOUS PAVEMENTS WITH LOCAL AGGREGATES BY DRY BLENDING" is a Bonafide work carried out by

VARSHA A

1KG18CV031

**AISHWARYAS** 

1KG18CV002

NIRMITHA S

1KG18CV015

in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of Viswesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (18CVP83) prescribed for the degree.

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Quehma . M

28/07/2022

Name and Signature of Examiner-1

Wycelle 7/2022





# K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

This is to certify that the project work entitled TO MANUFACTURE AND STUDY THE STRENGTH PROPERTIES OF DIFFERENT BLOCKS USING STRAW is a bonafide work carried out by

ARUNAGOUDA SHIVANAGOUDA KADUR	1KG16CV060
MARY AISHWARYA B	1KG18CV013
SANTHOSH CHANDRASHEKARA HARAVI	1KG18CV025
SWATHI K	1KG18CV028

in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (18CVP83) prescribed for the degree.

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Dushma · M 28/7/22

Name and Signature of Examiner-1



#### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF CIVIL ENGINEERING CERTIFICATE

This is to certify that the project work entitled PARAMETRIC STUDY OF AIR QUALITY INDEX AT SALIENT POINTS IN BENGALURU is a bonafide work carried out by

> 1KG15CV054 **UZAIR IFTEKHAR** 1KG16CV028 MADHUSUDHAN R 1KG16CV048 SANJAY S

in partial fulfillment for the award of Bachelor of Engineering in Civil Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (15CVP85) prescribed for the degree.

**Internal Guide** 

Head of the Department

Principal

Associate Professor

Dept. of Civil

**Examiners** 

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**Principal/Director** K S School of Engineering and Management

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Justina . M 29/7/22 Name and Signature of Examiner-1

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "STRENGTH CHARACTERISTICS OF CONCRETE PRISM WRAPPED WITH CARBON FIBER" is a bonafide work carried out by

> SANJAY M V 1KG16CV047 RAHUL K 1KG17CV029 NIRANJAN K 1KG18CV411

> SUKHVEER K ACHARYA 1KG18CV413

in partial fulfilment for the award of "Bachelor of engineering in civil engineering" of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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Name and Signature of Examiner-1

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "SEISMIC ANALYSIS OF MULTI STORED BUILDING WITH SHEAR WALLS AT DIFFERENT LOCATION" is a bonafide work carried out by

NAVEEN J

1KG20CSE03

in partial fulfilment for the award of "MASTER OF TECHNOLOGY" of Visvesvaraya Technological University, Belgaum, during the year 20121-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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SHASHI PRASAD. N

Name and Signature of Examiner-1

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "TO INVESTIGATE THE ELASTIC CONSTANT AND JIND ULTIMATE STRENGTH OF ACACIA WOOD FOR DIFFERENT GRAIN ANGLES" is a bonafide work carried out by

### NEERAJN 1KG20CSE04

in partial fulfilment for the award of MASTER OF TECHNOLOGY" of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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Duhma. M 24/12/22

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "Evaluation of seismic performance of dajji diwari timber wall frame using Ansys" is a bonafide work carried out by

#### ATHAR NAYEEM

#### 1KG20CSE08

in partial fulfilment for the award of "MASTER OF TECHNOLOGY" of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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12. Roma fo Dr. K. RAMA NARASIMHA Dr. KP Recipal/Nicoscimha

Sushma M.

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled EVALUATION OF SEISMIC CAPACITY OF BUILDING STRUCTURES RESTING ON SLOPING GROUND BY PUSHOVER ANALYSIS" is a bonafide work carried out by

#### ZAIBA FATHIMA

#### 1KG20CSE07

in partial fulfilment for the award of "MASTER OF TECHNOLOGY" of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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10/2022

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Name and Signature of Examiner-1

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "STUDY ON CHARACTERISTICS OF CEMENT MORTAR AND CONCRETE WITH GEOPOLYMER FINE AGGREGATE AS A REPLACEMENT OF M-SAND" is a bonafide work carried out by

#### RAMYAM 1KG17CSE11

in partial fulfillment for the award of "Master of Technology in Structural Engineering" of Visvesvaraya Technological University, Belgaum, during the year 2015-16. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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#### Department of Civil Engineering

### Certificate

This is to certify that the project work entitled "STUDIES ON EFFECT OF NATURAL ADMIXTURE ON PROPERTIES OF CEMENT CONCRETE" is a bonafide work carried out by

VASUKI B M

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Name and Signature of Examiner-1

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "SEISMIC ANALYSIS OF RC STRUCTURES WITH AND WITHOUT BASE ISOLATION" is a bonafide work carried out by

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1KG20CSE06

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#### Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "PUSHOVER ANALYSIS ON G+7" REINFORCED CONCRETE BUILDING USING E-TABS" is a bonafide work carried out by

#### **ZESHAN AJAZ**

#### 1KG20CSE12

in partial fulfilment for the award of "MASTER OF TECHNOLOGY" of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "COMPARKTIVE STUDY OF SLAB SYSTEM AND FLAT SLAB SYSTEM WITH AND CONVENTIONAL WITHOUT SHEAR WALL USING ETABS" is a bonafide work carried out by

#### JAGADEESHAN Y

#### 1KG20CSE01

in partial fulfilment for the award of "MASTER OF TECHNOLOGY" of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

Melle

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Principal/Director

Principal

Dr. KSSEM Bengaluru

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Dr.K Rama Narasimha

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Professor and Head Dept. of Civil Engg. KSSEM, Bengaluru.

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K.S. Group of Institutions

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Name and Signature of Examiner-2

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Department of Civil Engineering

# Certificate

This is to certify that the project work entitled "COMPARITIVE ANALYSIS OF TRANSMISSION TOWER FOR DIFFERENT WIND ZONES USING E-TABS" is a bonafide work carried out by

DEEPAK GOWDA B T

1KG20CSE09

in partial fulfilment for the award of MASTER OF TECHNOLOGY" of Visvesvaraya Technological University, Belgaum, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this thesis satisfies the academic requirement in respect of project work prescribed for the degree.

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Principal/PireatRASIMHA

Principalu - 560 109

Name and Signature of Examiner-1

#### Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "Scheduling Department Activities and Timetable" is a bonafide work carried out by:

> 1KG18CS003 Adithi M C 1KG18CS005 Aishwarya S Brundha P 1KG18CS020 Chinmye H H 1KG18CS025

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal

[Mr. Deepak M D]

[Dr. K Venkata Rao]

[Dr. K Rama Narasimha]

HOD \_

Dept. of Computer Science & Engineering

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Dr. K. RAMA NARASIMHA Principal/Director K.S. School of Engineering & Management S School of Engineering and Management Bengaluru - 560 109

## Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Emotion Recognition of students during project review" is a bonafide work carried out by:

C Amruta Gayatri

1KG18CS021

Durgi Sobha

1KG19CS402

Dhanushree D.B

IKG18CS030

Bhashyam Keerthikumar

IKG18CS018

in partial fulfillment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering. degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal

[Mrs. R S Geethanjali]

[Dr. K Venkata Rao]

[Dr. K Rama Narasimha]

Dept. of Computer Science & Engineering

Dr. K. RAMA NARASIMHA

Principal/Director K.S. School of Engineering & Management, is School of Engineering and Managem Bengaluru - 560 109 Eangalore-560 062

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Mood Recognition and Timepoint Identification of Faculty in Classroom" is a bonafide work carried out by:

> Meghana A S Meghana K V

1KG18CS055

1KG18CS056

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the HOD

Signature of the Principal

[Mrs. Kavitha K S]

[Dr. K Venkata Rao]

[Dr. K Rama Narasimha]

Dept. of Computer Science & Engine K School of Engineering and Management Bengaluru - 560 109

Bangalore-560 062

Dr. K. RAMA NARASIMHA

#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109

#### Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "Message Forwarding Using Hand Gesture" is a bonafide work carried out by:

Chandana R K 1KG18CS023

Goutham R P 1KG18CS038

Guru Prasad K A 1KG18CS039

Jayanth N 1KG18CS042

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal Dr. K. RAMA NARASIMHA

enkata Raol "[Dr. K.

(Dr. K Ramar Navastastas)
K S School of Engineering and Management
Bengaluru - 560 100

[Mrs. Chandana V S]

[Dr. K Venkata Rao]

Dept. of Computer Science & Engineering K.S. School of Engineering & Management

Bangalore-560 062

# Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Location Detection Using Surrounding" is a bonafide work carried out by:

N. Jaswanth sai 1KG18CS062

Prajwal N 1KG18CS080

Praveen P.S 1KG18CS082

Sanjay Subramanya Bhat 1KG18CS097

in partial fulfillment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature oftheGuide

Signature of the HOD

Signature of the Principal

[Mr. Deepak M.D]

[Dr. K Venkata Rao]

[Dr. K Rama Narasimha]

- HOT

Dr. K. RAMA NARASIMHA

Dept. of Computer Science & Engineering S School of Engineering and Managering
K.S. School of Engineering and Managering
Bengaluru - 560 109

Bangmara - sada4

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Student Marks Prediction Using Machine Learning Techniques" is a bonafide work carried out by:

A Harika 1KG18CS001
Akshatha K A 1KG18CS006
Anirudh A 1KG18CS011
Eesha B S 1KG18CS034

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Mrs. Sandhya A Kulkarni

Assistant Professor

K.S.S.E.M, Bengaluru

Signature of the HOD

Dr. K Venkata Rao

Professor, Head of Department.,

K.S.S.E.M, Bengaluru

Signa HITE BLADE CTOP CIPAL

K S School of Excellent to and Magagem Bengaluru - 560 109

Principal and Director

K.S.S.E.M., Benguluru

HOD

Dept. of Computer Science & Engineering K.S. School of Engineering & Management Bangalore-560 062

# Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Audio de-noising of a classroom lecture" is a bonafide work carried out by:

Deepak T N

1KG18CS027

Dravid B

1KG18CS032

Javanth J

1KG18CS041

Bharath P

1KG19CS401

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature oftheGuide

Signature of the HOD

Signature of the Principal

[Mrs. Shalini K V]

[Dr. K Venkata Rao]

HOD

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Dept. of Computer Science & Engineering K.S. School of Engineering & Management

Bangalore-560 052

### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Development of Mobile Application for College Information using Android" is a bonafide work carried out by:

Pawan R 1KG18CS073

Purushotham Reddy J 1KG18CS085

T Sandhya 1KG18CS114

Vijaya Lakshmi S 1KG18CS122

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal

[Mrs. Gargi N]

[Dr. K Venkata Rao]

Dr. K. RAMA NARASIMDE [Dr. KrRappa Narasimba]

K S School of Engineering and Manager

Bengalulu - 556 169

HOD

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



### Department of Computer Science and Engineering

## Certificate

This is to certify that the project work entitled "Quiz Conduction App With QR Code" is a bonafide work carried out by

Pagadala Hemanth	1KG18CS071
G Poorna Chandra	1KG18CS078
Sabhyath B	1KG18CS094
Sean Kevin S	1KG18CS098

in partial fulfilment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-22. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report which satisfies the academic requirement in respect of project work prescribed for the degree.

Mrs.Jayashubha J Associate Professor

Internal Guide

Dr. K Venkata Rao Professor and Head

Dept. HOESE

Dept. of Computer Science & Engineering

K.S. School of Engineering & Management

Bangalore-560 062 University Examiners:

Dr. K. Rama Narasimha

Principal/Director

KSSEM

Dr. K. RAMA NARASIMHA

Principal/Director K S School of Engineering and Managemen

Bengaluru - 560 109

Name and Signature of Examiner-1

## Department of Computer Science & Engineering



Cortified that the Project Work Phase-II (18C5P83) entitled "Deletion of Duplicate files and images using hashing algorithm" is a bonafide work carried out by:

> 1KG18CS066 Nisarga P 1KG18CS101 Shilpa G R

> 1KG18CS102 Shivani B Kulkarni

> 1KG18CS117 Usha R

in partial fulfillment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the HOD

Signature of the Principal

Signature of the Guide

[Mrs.Nagaveni B Nimbal]

Depl of Computer Science & Engineering

[Dr. K Rama Narasimha]

K.S. School of Engineering & Management & S School of Eng

Dr. K. RAMA NARA

Bangalore-550 062

Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Text Summarization of Covid Data using Machine Learning Techniques" is a bonafide work carried out by:

AMITHA S M	1KG18CS008
AMULYA D M	1KG18CS009
DEEKSHITHA V REDDY	1KG18CS026
DEEPTHI T E	1KG18CS028

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal
Dr. K. RAMA NARASIMHA

[Mrs. Sandhya A Kulkarni]

[Dr. K Venkata Rao]

[Dr. K Raineibhildisisches]

- HOD

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Dept. of Computer Science & Engineering , K.S. School of Engineering & Management Bangalore-560 062

#### Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "Advanced Navigation System and Detection of Speed Breakers" is a bonafide work carried out by:

Atul Thakur

1KG17CS008

Anusha Ramnath

1KG18CS014

Manisha Rai

1KG18CS052

Nafeesa Banu

1KG18CS060

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal

Mrs. Nita Meshram

Dr. K Venkata Rao HOU

Dept. of Computer Science & Engineering School of Engineering and Management

K.S. School of Engineering & Management Bengaturu - 560 109

Dr. K. RAMA NARASIMHA

Bungarus - 200 062

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Detection of Masked Faces using OpenCV and Tensorflow" is a bonafide work carried out by:

Adarsh P

1KG18CS002

Sai Rohit

1KG18CS033

Jeevan Sai G

1KG18CS043

Kruthika B

1KG18CS048

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal

[Mrs. Amitha S]

[Dr. K Venkata Rao]

[Dr. K Rama Narasimha]

Dept. of Computer Science & Engineering K.S. School of Engineering & Management Bangalore-560 062

Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Detection Of Road With Less Air Quality Index and Alert The Best Route" is a bonafide work carried out by:

LAKSHMI J	1KG18CS049	
MALAVIKA	1KG18CS051	
MEGHA M L	1KG18CS054	
MONICA V	11/0190906	

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the Principal

[Mrs. Meena G]

[Dr. K. Venkata Rao]

[Dr. K Rama Narasimha] Dr. K. RAMA NARASIMHA Principal/Director

Dept. of Computer Science & Engineering Bengaluru - 560 109 K.S. School of Engineering & Management

Bangalore-580 062.

## Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Predict the Usage of WhatsApp Using Machine Learning" is a bonafide work carried out by:

Adithi N

1KG18CS004

Anusha H

1KG18CS012

Anusha N

1KG18CS013

Athmika H R

1KG18CS016

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the HOD

[Meena G]

[Dr. K Venkata Rao] HOD

Dept. of Computer Science & Engineering K.S. School of Engineering & Management

Bangaiore-560 062

#### Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "DYNAMIC PRICING SAAS APPLICATION WITH STUDENTS DATA MANAGEMENT USING CLOUD COMPUTING" is a bonafide work carried out by:

PRAJWAL P ACHARYA	(IKG18CS081)
RAGHAVENDRA S N	(1KG18CS086)
SRIHARI P N	(1KG18CS109)
VENKATESH V	(1KG18CS118)

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

[Mrs. Nita Meshram]

Signature of the HOD

[Dr. K Venkata Rao]

Signature of the Principal Principal Director

N. b. School baghsacaing a Menagement

HOD

Dept. of Computer Science & Engineering K.S. School of Engineering & Management Bangalore-560 062

#### Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "Converting attendance register image to excel file using OCR technique" is a bonafide work carried out by:

> Adithya U 1KG17CS003 Mayurjit Borkakoty 1KG18CS053 Mithun M 1KG18CS057 P C Chandana 1KG18CS070

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signatulcerof maen Participal HA Principal/Director

[Mrs Amitha S]

[Dr. K Venkata Rao] KS Spholofic Radia Rangaluru - 560 109

Dept. of Computer Science & Engineering K.S. School of Engineering & Management Bangalore-560 062.

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Language Pronunciation Translator For Better Understanding" is a bonafide work carried out by:

> 1KG18CS040 Hamsaveena S

> Karthik Gowda D 1KG18CS045

> 1KG18CS089 Rama Reddy B T

> Shankar K S 1KG18CS099

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Significantha Lausidala

Principal/Director

[Jayashubha J]

[Dr. K Venkata Rao] KS Solent Mr Rogine Wing sind Manage Bengaluru - 560 109

- HOD

Dept. of Computer Science & Engineering K.S. School of Engineering & Management

Bangalore-560 062

#### Department of Computer Science & Engineering



ertified that the Project Work Phase-II (18CSP83) entitled "Real Time Face Mask Detector sing Machine Learning" is a bonafide work carried out by:

PRERANA R	1KG18CS083	
RUTHVIK R	1KG18CS093	
SUHAS KR	1KG18CS110	

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

SUHASS

Mrs. K. V Shalimi

signature of the HOD

Dr. K Venkata Rao

Signature of the Principal

1KG18CS111

Dr. K Rama Narasimha

Principal/Director

Dept. of Computer Science & Engineering & School of Engineering and Management

V. S. School of Engineering & Management

Bengaluru - 560 109 Bangalore-560 052

Principal/Director

Dr. K. RAMA NARASIMHA

# Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "An Android Application For Tracking And Locating a Person From Group of People" is a bonafide work carried out by:

Sai Shwetha R	1KG18CS095
Samartha C Shetty	1KG18CS096
Shruthi M S	1KG18CS105
Sneha Y T	1KG18CS107

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

KOWE, 21-192.

Signature of the HOD

Signature of the Principal

[Mrs. Kavitha K S]

[Dr. KMonkata Rao]

[Dr. K Rama Narasimha]

Pest. of Computer Science & Engineering K.S. School of Engineering & Management

Dr. K. RAMA NARASIMH Principal/Director

Bangalere-550 962

Principas Director

K S School of Engineering and Ma

Bengaluru - 560 109

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Seat Occupancy Detection using Machine Learning" is a bonafide work carried out by:

Amith Upadhya.K.C

1KG18CS007

Ashish Kumar

1KG18CS015

Charith Bhat

1KG18CS024

Kalyan Venkatesh.B.S

1KG18CS044

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Mrs.Swathi Darla

Assistant Professor

K.S.S.E.M., Bengaluru

Signature of the H.O.D.

Dr. K.Venkata Rao

Professor, Head of the Dept.,

K.S.S.E.M., Bengaluru

Signature of the Principal

Dr. K. Rama Narasimba

Principal/Director,

K.S.S.E.M., Bengaluru

Dr. K. RAMA NARASIMHA

Principal/Director

Bengaluru - 560 109

Dept. of Computer Science & Engineering K S School of Engineering and Management K.S. School of Engineering & Management

Bangalore-560 062

#### Department of Computer Science & Engineering



This is certified that the Project Work Phase-II (18CSP83) entitled "Alert the driver by detecting the movement of vehicles ahead using Arduino" is a bonafide work carried out

Sinchana KR	1KG18CS105
Vaishnavi V Vagdale	1KG17CS102
Ravikiran C Kuratti	1KG18CS092
Shriinch Suh	1KG18CS103

in partial fulfillment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature oftheGuide

Signature of the HOD

[Mrs. Swathi Darla]

[Dr. K. Venkata Rao] HOD

Dept. of Computer Science & Engineering K.S. School of Engineering & Management Bangalore-560 062

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Pot Hole Detection with Sensor Robot " is a bonafide work carried out by:

> Rakshitha Katti 1KG18CS088 Ranjitha.V 1KG18CS090 Sowmya.Y.J 1KG18CS108 Veena.H 1KG18CS121

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

[Dr. K Venkata Rao]

Signature of the HOD

Signature of the Principal [Dr. K Rama Narasimha]

[R.S.Geethanjali]

HOD

Dept. of Computer Science & Engineering K.S. School of Engineering & Management S School of Engineering and Management

Dr. K. RAMA NARASIN HA Principal/Director

Bangalore-560 062.

Bengaluru - 560 109

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Securing Attendance Data Using Blockchain Technology" is a bonafide work carried out by:

KOTAPATI SUSHMA CHOWDARY		1KG18CS046
NAGA VAISHNAVI P		1KG18CS061
NANDEESH S	7	1KG18CS063
OPRATHVISHA		1KG18CS069

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

gnature of the Principal Dr. K. RAMA NARASIMH

Mrs. Dakshayini .G.R

Dr. K Venkata Rao

Dr. K Raminoinal Silingtor
K S School of Engineering and Ma
Bengaluru - 560 109

Dept. of Computer Science & Engineering K.S. School of Engineering & Management

Bangarure-360 062

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Blind Assistant using Machine learning" is a bonafide work carried out by:

Kruthi M	1KG18CS047
Pooja C	1KG18CS074
Poorvika J	1KG18CS079
Penthyi R	1KG18CS084

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree

Sulvette

Signature of the Guide

Signature of the HOD

SIGNATURANTA BLAPAGENINA Principal/Director

Mrs. Boyapati Sahithi

Dr. K. Venkata Rao

K S School M Roung TRASSMIN Rendalury -

Dept. of Computer Science & Engineering K.S. School of Engineering & Management Bangalore-560 062

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Design and Development of a Framework for building a Messaging Application (DMgram) with Alert System" is a bonafide work carried out by:

 Bhavitha D
 1KG18CS019

 Chandana M
 1KG18CS022

 Devapoojitaa
 1KG18CS029

 Gayana H G
 1KG18CS036

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

K S School of Engineering and Manag

[Mrs. Gargi N]

[Dr. K Venkata Rao]

Dept. of Computer Science & Engineering K.S. School of Engineering & Management

Bangalore-560 062.

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Identifying Food is Stale or Fresh using Internet of Things" is a bonafide work carried out by:

Madhumathi P	1KG18CS050
Varshitha M	1KG18CS119
Vedhavathi R	1KG18CS120
Vamuna P	1KG18CS123

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Mrs. Boyapati Sahithi Assistant Professor

K.S.S.E.M. Bangalore

Signature of the HOD

Dr. K Venkata Rao

Professor, Head of Department

K.S.S.E.M, Bangalore

HOD Dept. of Computer Science & Engineering

Signature of the Principal

Dr. K Rama Narasimha Principal and Director K.S.S.E.M., Bangalore

Dr. K. RAMA NARASIMHA Principal/Director K.S. School of Engineering & Management S School of Engineering and Management Bengaluru - 560 109

Bangalore-560 062.

#### Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Attendance Prediction Based on Weather Condition" is a bonafide work carried out by:

Navya M H	1KG18CS065
Nisha R	1KG18CS068
Pooja J	1KG18CS075
Pooja P	1KG18CS076

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal

[Mrs. Sushmitha Suresh]

[Dr. K Venkata Rao]

Dr. K. RAMA NARASIMHA [Dr. K. Rama Namuunha]

K S School of Engineering and Manageme Bennature - 560 109

HOU

Dept. of Computer Science & Engineering K.S. School of Engineering & Management Bangatore-560 062

## Department of Computer Science & Engineering



Certified that the Project Work Phase-II (18CSP83) entitled "Predicting Time management for Exam preparation using Machine Learning" is a bonafide work carried out by:

Rashmi. K	1KG18CS091
Sneha. S	1KG18CS106
Surabhi. BN	1KG18CS112
Sushil Singh	1KC18CS113

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal-

[Mrs. Sushmitha Suresh]

[Dr. K Venkata Rao]

[Dr. K Rama Narasimha]

HOD

Dr. K. RAMA NARASIMHA Principal/Director Dept. of Computer Science & Engineering S School of Engineering and Manag Bengaluru - 560 1

K.S. School of Engineering & Management Bangalore-560 062.

#### Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (17CSP85) entitled "Automated Toll Management With Smart Light System" is a bonafide work carried out by:

 Sharath B S
 1KG16CS094

 Suyog L
 1KG16CS110

 Bharadwaj B S
 1KG17CS012

 Bhargav Swamy P M
 1KG17CS015

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of April 2022 to June 2022. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

Signature of the HOD

Signature of the Principal

[Mrs. Chandana V S]

[Dr. K Venkata Rao]

[Dr. K RapraiNarasinahaARASinin

Principal/Director
K S School of Engineering and Ma
Bengaluru - 560 109

Dept. of Computer Science & Engineering K.S. School of Engineering & Management

Bangalore-560 062

# DESIGN AND DEVELOPMENT OF SMART ROBOTIC ARM FOR HANDLING LOW WEIGHTED OBJECTS

Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING

**ELECTRONICS & COMMUNICATION ENGINEERING** 

#### Submitted by

JASWANTH BS

1KG18EC024

MOHIT SINTRE H

1KG18EC034

NANDAKUMAR M N

1KG18EC035

SANJAY B

1KG18EC048

Under the Guidance of

Mr. Puneeth S
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Department of Electronics and Communication Engineering K.S. School of Engineering and Management No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109 2021-2022



#### CERTIFICATE

This is to certify that the project work entitled Design and Development of Smart Robotic Arm for Handling Low Weighted Objects is a bonafide work carried out by

JASWANTH BS

1KG18EC024

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1KG18EC034

NANDAKUMAR M N

1KG18EC035

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Head of the Department

Principal/Director

Mr. Puneeth S Assistant professor Dept. of ECE

Dr. Girish V Attimarad

Head & Professor

Dept. of ECE

Dr. K. Rama Narasimha

**KSSEM** 

Professor & Head

Dr. K. RAMA NARASIMHA Principal/Director

Dept. of Electronics & Communication Engineering of Engineering and Management R. S. School of Engineering & Management Bengaluru - 560 100

Bangalore-560 109

**Examiners** 

Name and Signature of Examiner-1

# IMPLEMENTATION OF VEHICLE TRACKING AND LOCKING SYSTEM USING GPS & GSM

Project Work submitted to



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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RAKSHITHA M R 1KG18EC044
ABHILASH P R 1KG19EC401
PAVAN V 1KG19EC406

Under the Guidance of

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Associate Professor, ECE, KSSEM
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Department of Electronics and Communication Engineering
K.S. School of Engineering and Management
No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109
2021-2022



#### **CERTIFICATE**

This is to certify that the project work entitled Implementation of Vehicle Tracking and Locking System using GPS & GSM is a bonafide work carried out by

MAYAMMA N

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Internal Guide

Head of the Department

Principal

Mr. Sasindran Prabhu

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Dr. Girish V Attimarad

Dr. K. Rama Narasimha

Associate Professor

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Dr. K. RKASEMARASIMHA

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Principal/Director K S School of Engineering and Management

Dept. of Electronics & Communication Engineering K. S. School of Engineering & Management

Bengaluru - 560 109

Examiners

Bangalore-560 109

Name and Signature of Examiner-1

# IMPLEMENTATION OF PASSWORD AUTHENTICATION SYSTEM USING BRAIN WAVE FOR PARALYZED PEPOLE

Project Work submitted to



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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J R PAVANAJAKHI 1KG18EC023

TALLURUGOPIPRAVALIKA 1KG18EC059

R YASHAS 1KG17EC060

Under the Guidance of

Dr. KARTHIK P
Professor
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Department of Electronics and Communication Engineering K.S. School of Engineering and Management No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109 2021-2022



#### CERTIFICATE

This is to certify that the project work entitled "Password Authentication using Brain signals for Paralyzed people is a bonafide work carried out by

BHANUPRIYA C N	1KG18EC008
J R PAVANAJAKSHI	1KG18EC023
TALLURUGOPIPRAVILKA	1KG18EC059
R YASHAS	1KG17EC060

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

**Internal Guide** Head of the Department Principal

Dr. Karthik P Dr. Girish V Attimarad Professor Dept. of ECE

Professor & Head, Dept. of ECE

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Dr. K. Rama Narasimha

Principal, KSSEM

Dr. K. RAMA NARASIMHA

Dept. of Electronics & Communication Engineering rancip at/Director

K. S. School of Engineering & Management of Engineering and Management Bengaluru - 560 109 Bangalore-568 109

Name and Signature of Examiner-1

Examiners

## IMPLEMENTATION OF AN EYE TRACKING SYSTEM FOR CURSOR CONTROL

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING In ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

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**SAMYUKTHA** 

1KG18EC047

SHARAN KUMAR M

1KG18EC051

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Internal Guide

Head of the Department

Principal

BARUL Mr. Ravikiran B A

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Dr. Girish V Attimarad

Professor & Head Dept. of ECE

Dr. K. Rama Narasimha

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**KSSEM** 

Professor & Head

Dept. of Electronics & Communication Engineering K. S. School of Engineering & Management

Bangalore-560 109

Examiners

# "Handwritten Text Recognition Using Artificial Intelligence"

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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Sumanth BL 1KG18EC057
O Haritha 1KG18EC039
Aaira Fathima 1KG17EC002

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2021-2022



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Sumanth BL	1KG18EC057
O Haritha	1KG18EC039
Aaira Fathima	1KG17EC002

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Head of the Department Principal **Internal Guide** 

Sasindran M Prabhu

Associate Professor Dept. of ECE

Examiners

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HOD Dept. of ECE Dr. K. Rama Narasimha

Principal KSSEM

Dr. K. RAMA NARASIMHA

Principal/Director

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K. S. School of Engineering & Management

Bengaluru - 560 109

Bangalore-560 109

Professor & Head

Name and Signature of Examiner-1

# LOCALIZATION AND MAPPING OF UNKNOWN ENVIRONMENT USING AUTONOMOUS ROBOT

Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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JYOTISHWAR M 1KG18EC025

PARA LOKESH 1KG18EC041

REVANTH A 1KG18EC045

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#### CERTIFICATE

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Internal Guide

Head of the Department

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Name and Signature of Examiner-1

Name and Signature of Examiner-2

Dr. Karflik F

# SOLAR OUTDOOR AIR-PURIFIER USING AIR QUALITY MONITORING SYSTEM

Project Work Submitted to



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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### BACHELOR OF ENGINEERING

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1KG18EC055

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**Internal Guide** 

**Head of the Department** 

Principal

Associate Professor Dept. of ECE

Professor and Head

Dept. of ECE

Brincipal & SARMSIMHA Principal/Director

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Bengaluru - 560 109

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Name and Signature of Examiner-1

### Home Security System using GSM

Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

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Sinchana K P 1KG18EC053
Varsha H 1KG18EC060
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This is to certify that the project work entitled Home Security System using GSM is a bonafide work carried out by

> Siddanth Sand 1KG18EC052 Sinchana K P 1KG18EC053 Varsha H 1KG18EC060 Vignesh B 1KG18EC063

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Internal Guide

Head of the Department

Principal

Girish V Attimarad

Professor & Head Dept. of ECE

Girish V Attimarad

Professor & Head Dept. of ECE

Dr. K. Rama Narasimha

Professor & Head

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Dept. of Electronics & Communication Engineering Bengaluru - 560 109 K. S. School of Engineering & Management Examiners

Bangalore-560 109

## Detection of Fake Accounts in Twitter using Machine Learning Techniques

Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING

in

#### **ELECTRONICS & COMMUNICATION ENGINEERING**

#### Submitted by

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Veluru Harish 1KG18EC061

Venkatesh N 1KG18EC062

Y Dhanush 1KG18EC066

Under the Guidance of

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#### CERTIFICATE

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

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1KG18EC009

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Internal Guide

Head of the Department

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Professor & Head Dept. of ECE

Dr. K. Rama Narasimha KSSEM

Dr. K. RAMA NARASIMHA

Examiners

Dept. of Electronics & Communication Engineering Principal/Director

K. S. School of Engineering & Management School of Engineering and Management Bengalupt - 550 400

Bangalore-560 109

## IMPLEMENTATION OF BRAIN CONTROLLED MINIATURE WHEELCHAIR

Project Work submitted to



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

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MARU ASWINI 1KG18EC032

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Professor
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Department of Electronics and Communication Engineering K.S. School of Engineering and Management No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109 2021-2022



## CERTIFICATE

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

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

Internal Guide

Head of the Department

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Examiners

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Dr. K. Rama Narasimha

Dr. KPRIANIPANARASIMHA REBSEANDirector

K S School of Engineering and Management Bengaluru - 560 109

Dept. of Electronics & Communication Engineering K. S. School of Engineering & Management

Bangalore-568 109

Name and Signature of Examiner-1

Dr Kartlik P

P -25/7/22

## A Secure IoT Based Health Monitoring System with Mechanical Ventilator

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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

Under the Guidance of
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Asst. Professor, ECE
K S School of Engineering and Management



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



### CERTIFICATE

This is to certify that the project work entitled A Secure IoT Based Health Monitoring System with Mechanical Ventilator is a bonafide work carried out by

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> KAVYASHREE K 1KG18EC028

> PRIYANKA NAG G V 1KG18EC043

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

Internal Guide

Head of the Department

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Mr. Gopalakrishna Murthy CR Dr. Girish V Attimarad

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Professor & Head

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Dr. K. Rama Narasimha

DE RARA RARASIMHA

Professor & Head K S School of Engineering and Management

Dept. of Electronics & Communication Engineering Bengaluru - 560 109

K. S. School of Engineering & Management

Bangalore-560 109

Name and Signature of Examiner-1

Drikarthik P Name and Signature of Examiner-2

## SOLDIER HEALTH MONITORING AND TRACKING SYSTEM USING LORS WAN

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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

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



#### CERTIFICATE

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

ABH	ISHEK	M
-----	-------	---

1KG18EC001

ANU A

1KG18EC006

NAVEEN R

1KG18EC036

NIKITHA C M

1KG18EC037

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

Head of the Department

Principal/Director

Mr. Puneeth S Asst. Professor Dept. of ECE

Dr. Girish V Attimarad

Professor & Head

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Dr. K. Rama Narasimha

Dr. K. KASTAMIARASIMHA

Principal/Director

Professor & Head

K S School of Engineering and Management Bengaluru - 560 109

Dept. of Electronics & Communication Engineering

K. S. School of Engineering & Management

Bangalore-560 100

Examiners

Name and Signature of Examiner-1

## OBSTACLE DETECTION AND PATH STRATAGEM IN AUTONOMOUS VEHICLE

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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Under the Guidance of

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Professor

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### CERTIFICATE

This is to certify that the project work entitled OBSTACLE DETECTION AND PATH STRATAGEM IN AUTONOMOUS VEHICLE is a bonafide work carried out by

HRITHIK V

1KG18EC021

KAVANA H

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KAVYA S

1KG18EC027

KISHORE KUMAR S

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Internal Guide

Head of the Department

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Dr. Girish V Attimarad

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K. S. School of Engineering & Management

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Name and Signature of Examiner-1

C. TEIBER

DO Kasthir P

Name and Signature of Examiner-2

Proxitor

## Design and Implementation of Image Encryption and Analysis using Dynamic AES

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

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### CERTIFICATE

This is to certify that the project work entitled Design and Implementation of Image Encryption and Analysis using Dynamic AES is a bonafide work carried out by

> Akshay C Kashyap 1KG18EC004 Sadhana H C 1KG18EC046 Sushma R 1KG18EC058 Vishal K 1KG18EC065

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

Internal Guide

Head of the Department

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Examiners

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Dr. K. RAMA NARASIMHA

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Dept. of Electronics & Communication Engineering and Management

Professor & Head

K. S. School of Engineering & Management Bangalore-560 10

Name and Signature of Examiner-1

## OBJECT IDENTIFICATION THROUGH SMART ROBOT USING VOICE COMMAND

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

CHANDRASHEKAR N 1KG18EC010
GURUKIRAN K 1KG18EC017
HARISH S 1KG18EC018
HRISHIKESH K M 1KG18EC020

Under the Guidance of

Dr. KISHORE M
Assistant Professor
K S School of Engineering and Management



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



#### CERTIFICATE

This is to certify that the project work entitled OBJECT IDENTIFICATION THROUGH SMART ROBOT USING VOICE COMMAND is a bonafide work carried out by

> CHANDRASHEKAR N 1KG18EC010 **GURUKIRAN K** 1KG18EC017 HARISH S 1KG18EC018 HRISHIKESH K M 1KG18EC020

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

Internal Guide

Head of the Department

Principal

Dr. Kishore M

Asst Professor Dept. of ECE

Examiners

Dr. Girish V Attimarad

Professor & Head Dept. of ECE

Professor & Head

A NARASIMHA

Principal/Director

Dept. of Electronics & Communication Engineering Bengaluru - 560 109

K. S School of Engineering & Management

Bangalore-560 109

DY. Kartlik P

Name and Signature of Examiner-2

## SIGN LANGUAGE INTERPRETATION USING MACHINE LEARNING

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## **BACHELOR OF ENGINEERING ELECTRONICS & COMMUNICATION ENGINEERING**

#### Submitted by

EDULLA BASHA 1KG18EC014 YOGESH K 1KG18EC069 CHANDAN GOWDA S 1KG19EC403 MADHU NARASIMHA 1KG19EC404

Under the Guidance of

Mrs. Jayashree GR Asst. Professor K S School of Engineering and Management



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





#### CERTIFICATE

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

**EDULLA BASHA** 

1KG18EC014

YOGESH K

1KG18EC069

CHANDAN GOWDA S

1KG19EC403

MADHU NARASIMHA

1KG19EC404

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

Internal Guide

Head of the Department

Principal

Mrs. Javashree G R

Asst. Professor Dept. of ECE

Examiners

Dr. Girish V Attimaraad

Professor & Head

Dept. of ECE Professor & Head Dr. M. RAMANANAMAN

Pr. Dr. KATAMA ANARASIMHA Kristi Dal Director

K S School of Engineering and Management

Bengaluru - 560 109

Dept. of Electronics & Communication Engineering

K. S. School of Engineering & Management

Bannelore-560 109

Name and Signature of Examiner-1

Do-Karothik P

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

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

SREERAKSHA G S
VINISHA R P
1KG18EC064
VASHASWINI G
1KG18EC067
VASHASWINI G M
1KG18EC068

Under the Guidance of Mrs. Renuka V Tali
Asst. Professor, ECE
K S School of Engineering and Management



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



#### CERTIFICATE

This is to certify that the project work entitled Implementation of Smart Door System for Monitoring Body Temperature and Face Mask Detection is a bonafide work carried out by

SREERAKSHA G S

1KG18EC054

VINISHA R P

1KG18EC064

YASHASWINI G

1KG18EC067

YASHASWINI G M

1KG18EC068

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

Internal Guide

Head of the Department

Principal/Director

Mrs. Renuka V Tali

Asst. Professor Dept. of ECE

Examiners

Dr. Girish V Attimarad

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Dept. of ECE

15. Romor Dr. K. Rama Narasimha

KSSEM

Dr. K. RAMA NARASIMHA

Principal/Director

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Dept. of Electronics & Communication Engineering Bengaluru - 580 109 K. S. School of Engineering & Management

Bangalore-560 109

Name and Signature of Examiner-1

Dr. Kartik P Name and Signature of Examiner-2

## "IoT-based Approach for Fully Automated Greenhouse System"

Project Work submitted to



### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## BACHELOR OF ENGINEERING

in

## **ELECTRONICS & COMMUNICATION ENGINEERING**

#### Submitted by

Doma Devisree

1KG18EC013

J Akila

1KG18EC022

Niraj Nishant

1KG18EC038

Asmat Bashir

1KG19EC402

Under the Guidance of

Mr. Gopalakrishna Murthy C R Assistant Professor, Dept. of ECE K S School of Engineering and Management



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



## CERTIFICATE

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

> Doma Devisree DECIMECTOLS J Akila 1KG18EC022 Niraj Nishant TRCHRECOM Asmat Bashir 1KG19EC402

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

Internal Guide

Head of the Department

Principal

Mr. Gopalakrishina Murthy C R

Assistant Professor Dept. of ECE

Examiners

Dr. Girish V-Attimarad

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Dept. of ECE Professor & Head

1= Com Dr. K. Rama Narasimha

Principal/Director

KSSEM

Dept. of Electronics & Communication Engineering Dr. K. RAMA NARASIMHA

K. S. School of Engineering & Management Bangalore 500 100

Principal/Director

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Bengaluru - 560 109

Pr. Kartler P

9 -20 1/2

## Implementation of Warfield Surveillance Robot Using Night Vision Wireless Camera

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

Submitted by

MOHAMMED ANAS 1KG16EC057
TAURAYS FATIMA 1KG16EC107

Under the Guidance of

Mrs. Shilpa A P
Assistant Professor,
Dept. of ECE
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Department of Electronics and Communication Engineering K.S. School of Engineering and Management No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109 2021-2022



### CERTIFICATE

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

MOHAMMED ANAS

1KG16EC057

TAURAYS FATIMA

1KG16EC107

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

Internal Guide

Head of the Department

Principal

Mrs. Shilpa A P Assistant professor Dept. of ECE

Examiners

Dr. Girish V Attimarad Professor and Head

Dept. of ECE

Dr. K. Rama Narasimha

Dr. K.STSANA NARASIMHA Principal/Director

Professor & nead

K S School of Engineering and Management

Dept. of Electronics & Communication Engineering Bengaiuru - 560 109 K. S. School of Engineering & Management

Bangalore-560 109

## CLOUD BASED CAR PARKING SYSTEM

Project Work Submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

Skanda S

1KG16EC093

Bharath A

1KG17EC013

Keerthi Mallesh

1KG17EC034

Nandini K

1KG17EC052

Under the Guidance of

Mr. Manu D K

Associate Professor

K.S School of Engineering and Management



Department of Electronics and Communication Engineering

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

2021-2022



### CERTIFICATE

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

Skanda S

1KG16EC093

Bharath A

1KG17EC013

Keerthi Mallesh

1KG17EC034

Nandini K

1KG17EC052

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

Internal Guide

Head of the Department

Principal

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Principal/Director

Dept. of ECE K S School of Engineering and Manager

Professor & Head

Bengaluru - 560 1090

DEPt. of Electronics & Communication Engineering

K. S. School of Engineering & Management

Bangalore-560 109

## Design Of IoT Based Landmine Detection Robot

Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## BACHELOR OF ENGINEERING in ELECTRONICS & COMMUNICATION ENGINEERING

#### Submitted by

Anarghya BG 1KG17EC008

Bhargavi KV 1KG17EC014

Mrunalini Girish Antin 1KG17EC049

Karthikeyan T J 1KG17EC032

Under the Guidance of

Mrs. Swati Sarkar
Assistant Professor
Department Of Electronics and Communication
K S School of Engineering and Management



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



#### CERTIFICATE

This is to certify that the project work entitled Design of IOT Based Landmine Detection Robot is a bonafide work carried out by

Anarghya BG

1KG17EC008

Bhargavi KV

1KG17EC014

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1KG17EC049

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1KG17EC032

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

Internal Guide

Head of the Department

Principal

Swati Sarkar 09/07/22

Examiners

Mrs. Swati Sarkar Assistant Professor Dept. of ECE

Dr. Girish V Attimatad

Professor & Head Dept. of ECE

Dr. K. Rama Narasimha

KSSEM

Dr. K. RAMA NARASIMHA Principal/Director

Professor & Head

Dept. of Electronics & Communication Engineering School of Engineering and Managemen Bengaluru - 560 109

K. S. School of Engineering & Management

Bangalore-560 109

## IoT Based Food Monitoring System Using Low-Cost Sensors

A Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# Bachelor of Engineering in Electronics & Communication Engineering

#### Submitted by

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Kavitha B R 1KG17EC099

Shreyas R 1KG17EC075

Harsha 1KG16EC029

Under the Guidance of
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Department of Electronics and Communication Engineering
K.S. School of Engineering and Management
No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109
2021-2022



### CERTIFICATE

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

Jayanth Hegde

1KG17EC098

Kavitha B R

1KG17EC099

Shreyas R

1KG17EC075

Harsha

1KG16EC029

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

Internal Guide

Head of the Department

Principal

Mrs. Bhargavi Vijendra

Sangam Assistant Prof Dept. of ECE Dr. Girish v Attimarad

Prof & Head Dept. of ECE

Professor & nead

Dr. K. Rama Narasimha

DK.8SRMMA NARASIMHA

Bengaluru - 560 109

Dringing Cireman K.S. School of Engineering and Manager

Dept. of Electronics & Communication Engineering

K. S. School of Engineering & Management Bangalore-560 109

Examiners

#### SOLAR POWERED INDOOR AIR PURIFIER

Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

# BACHELOR OF ENGINEERING in ELECTRICAL AND ELECTRONICS ENGINEERING

#### Submitted by

DHANUSH R 1KG18EE002 DIVYA M 1KG18EE004 KEERTHANA M 1KG18EE007

Under the Guidance of

Dr Arun Kumar M
Associate & Head
Dept of Electrical & Electronics
K S School of Engineering and Management



Department of Electrical and Electronics Engineering K.S. School of Engineering and Management No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109 **2021-2022** 



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## CERTIFICATE

This is to certify that the project work entitled Solar Powered Indoor Air Purifier is a bonafide work carried out by

**DHANUSH R** 

1KG18EE002

DIVYA M

1KG18EE004

KEERTHANA M

1KG18EE007

in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (18EEP83) prescribed for the degree.

**Internal Guide** 

Head of the Department

Principal

Dr Arun Kumar M

Associate & Head Dept. of EEE

Dr Arun Kumar M

Associate & Head

Dept. of EEE

Dr. K. Rama Narasimha Dr. KKRAMAINARASIMHA

Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

**Examiners** 

Head of the Department

Department of Electrical & Electronics Engineering KS School of Engineering and Management

Associate Professor

Bengaluru-560 109

Name and Signature of Examiner-1



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### DECLARATION

We

DHANUSH R 1KG18EE002 DIVYA M 1KG18EE004 KEERTHANA M 1KG18EE007

the students of BE VIII Semester (Electrical and Electronics Engineering) declare that the project entitled "Solar Powered Indoor Air Purifier" is carried out by us as a partial fulfillment of academic requirement of degree under Visvesvaraya Technological University. The content in the report are original and are free from plagiarism and other academic dishonesty and are not submitted to any other University either partially or wholly for the award of any other degree.

NAME	USN	Signature
DHANUSH R	1KG18EE002	Dawish P
DIVYA M	1KG18EE004	Daya H
KEERTHANA M	1KG18EE007	Chuthane M

Date: 31 07 2023 Place: Bengaluru

## Design and Development of Power Generation Model using Power Humps

Project Work submitted to



## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

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

## BACHELOR OF ENGINEERING in ELECTRICAL AND ELECTRONICS ENGINEERING

#### Submitted by

Nikitha P 1KG18EE009

Sai Darshan G 1KG18EE011

Varshini K 1KG18EE013

Under the Guidance of
Mrs. Manjula B G
Associate Professor
Electrical and Electronics Engineering
K S School of Engineering and Management



Department of Electrical and Electronics Engineering K.S. School of Engineering and Management #15, Mallasandra, off Kanakapura Road, Bengaluru-560109 **2021-2022** 



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS **ENGINEERING**

## CERTIFICATE

This is to certify that the project work entitled Design and Development of Power Generation Model using Power Humps is a bonafide work carried out by

Nikitha P

1KG18EE009

Sai Darshan G

1KG18EE011

Varshini K

1KG18EE013

in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (18EEP83) prescribed for the degree.

Guide	Head of the Department	Principal/Director
Mrs. Manjula B G Associate Professor Dept. of EEE	Dr. Arun Kumar. M Associate Professor & Head of the Department Dept. of EEE	Dr. K. Rama Narasimha KSSEM
	Associate Professor	Dr. K. DAMA NADAGO

Examiners

Associate Professor Head of the Department Dr. K. RAMA NARASIMHA Principal/Director

Department of Electrical & Electronics Engineering hool of Engineering and Management

KS School of Engineering and Management

Rennaturu - 560 100

Bengaluru-560 109



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## **DECLARATION**

We

Nikitha P

1KG18EE009

Sai Darshan G

1KG18EE011

Varshini K

IKG18EE013

the students of BE VIII Semester (Electrical and Electronics Engineering) declare that the project entitled "Design and Development of Power Generation Model using Power Humps" is carried out by us as a partial fulfillment of academic requirement of degree under Visvesvaraya Technological University. The content in the report are original and are free from plagiarism and other academic dishonesty and are not submitted to any other University either partially or wholly for the award of any other degree.

NAME USN Signature

Nikitha P 1KG18EE009 Sai Darshan G 1KG18EE011 San Oglufus

Varshini K IKG18EE013 Va Shamini K

Date: 30-06-2022

Place: Bengaluru

## DESIGN AND DEVELOPMENT OF IOT SURVEILLANCE SYSTEM

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## **BACHELOR OF ENGINEERING**

in

## ELECTRICAL AND ELECTRONICS ENGINEERING Submitted by

JAYAWANTH B SUSHMA UDUPA K S

1KG18EE005 1KG18EE012

Under the Guidance of

Mrs. Hemapriya M
Assistant Professor
Department of EEE
K S School of Engineering and Management



Department of Electrical and Electronics Engineering K.S. School of Engineering and Management No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109 2021-2022



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## **CERTIFICATE**

This is to certify that the project work entitled DESIGN AND DEVELOPMENT OF IOT SURVEILLANCE SYSTEM is a bonafide work carried out by

1KG18EE005

**JAYAWANTH B** 

1KG18EE012

SUSHMA UDUPA K S

in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Final year Project (18EEP83) prescribed for the degree.

Internal Guide	Head of the Department	Principal
Vinja	Hol	1 Raro 2
Mrs. Hemapriya M	Dr. Arun Kumar M	Dr. K. Rama
Assistant professor Dept. of EEE	Head of the Department	Narasimha
	Dept. of EEE	KSHMRAMA NARASIN
	ABSOCIATE Projessor	Principal/Director

Head of the Department K S School of Engineering and Managements of Electrical & Electronics Engineering

K S School of Engineering and Management

Bengaluru-560 109

Name and Signature of Examiner-1



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### **DECLARATION**

We.

JAYAWANTH B SUSHMA UDUPA K S 1KG18EE005 1KG18EE012

the students of BE VIII Semester (Electrical and Electronics Engineering) declare that the project entitled DESIGN AND DEVELOPMENT OF IOT SURVEILLANCE SYSTEM is carried out by us as a partial fulfillment of academic requirement of degree under Visvesvaraya Technological University. The content in the report are original and are free from plagiarism and other academic dishonesty and are not submitted to any other University either partially or wholly for the award of any other degree.

NAME JAYAWANTH B SUSHMA UDUPA KS USN 1KG18EE005 1KG18EE012

Signature

Date:

30-06-2022

Place

: Bengaluru

## DESIGN AND DEVELOPMENT OF SUBSTATION MONITORING AND CONTROL SYSTEM USING IOT

Project Work submitted to



#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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

## BACHELOR OF ENGINEERING in ELECTRICAL AND ELECTRONICS ENGINEERING

#### Submitted by

ARJUN A 1KG17EE002 DHEENA P 1KG18EE003 SAGAR K 1KG18EE010

Under the Guidance of

Mrs. Manjula B G
Associate Professor
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K S School of Engineering and Management



Department of Electrical and Electronics Engineering
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2021-2022



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### CERTIFICATE

This is to certify that the project work entitled DESIGN AND DEVELOPMENT OF SUBSTATION MONITORING AND CONTROL SYSTEM USING IoT is a bonafide work carried out by

ARJUN A

1KG17EE002

DHEENA P

1KG18EE003

SAGAR K

1KG18EE010

in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Final year Project (18EEP83) prescribed for the degree.

Head of the Department	Principal / Director
Hd	15. com 5
Dr. Arun Kumar M Associate Professor & Head of the Department Department of EEE	Dr. K. RAMA NABASHMHA Dr. K. Rama Narasimha K S School ok SSEMering and Managemer Bengaluru - 560 109
	Dr. Arun Kumar M Associate Professor & Head of the Department

Examiners

Head of the Department
Department of Electrical & Mectronics Engineering

K S School of Engineering and Management

Bengaluru-560 109



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS **ENGINEERING**

### DECLARATION

We

ARJUN A

1KG17EE002

DHEENA P

1KG18EE003

SAGAR K

1KG18EE010

the students of BE VIII Semester (Electrical and Electronics Engineering) declare that the project entitled DESIGN AND DEVELOPMENT OF SUBSTATION MONITORING AND CONTROL SYSTEM USING IoT is carried out by us as a partial fulfillment of academic requirement of degree under Visvesvaraya Technological University. The content in the report is original and are free from plagiarism and other academic dishonesty and are not submitted to any other University either partially or wholly for the award of any other degree.

NAME	USN	Signature
ARJUN A	1KG17EE002	Agi
DHEENA P	1KG18EE003	P. Shrene
SAGAR K	1KG18EE010	Sagask
		V

Date: 30/6/2022 Place: Bengaluru

# Project Proposal Reference Number: 45S\_BE\_3323 DESIGN AND DEVELOPMENT OF COST-EFFECTIVE 3D PRINTER

A Project sponsored by



## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

## INDIAN INSTITUTE OF SCIENCE CAMPUS BENGALURU -560012

In partial fulfilment

Submitted by

SARVESH M

1KG16EE025

ANILKUMAR S

1KG17EE001

Under the Guidance of

#### Mrs. TEJASWINI G V

Assistant Professor

Dept. of Electrical and Electronics Engineering

KSSEM, Bengaluru



Department of Electrical and Electronics Engineering
K.S. School of Engineering and Management
No. 15, Mallasandra, off Kanakapura Road, Bengaluru – 560109
2021-2022



#### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS **ENGINEERING**

#### CERTIFICATE

This is to certify that the project work entitled DESIGN AND DEVELOPMENT OF COST-EFFECTIVE 3D PRINTER is a bona fide work carried out by

SARVESH M

1KG16EE025

ANILKUMAR S

1KG17EE001

in partial fulfillment for the award of Bachelor of Engineering in Electrical and Electronics Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Final year Project (17EEP85) prescribed for the degree.

Guide

Head of the Department

Principal / Director

Mrs. Tejaswini G V Assistant Professor Department of EEE

Dr. Arun Kumar M Associate Professor & Head of the Department Department of EEE

Head of the Department

Dr. K. Rama Narasimha

1 < Romo

KSSEM

Dr. K. RAMA NARASIMHA

Principal/Director

Department of Electrical & Electronics Engineering S School of Engineering and Management KS School of Engineering and Management

Bengaluru-560 109

Bengaluru - 560 109

Examiners

Name and Signature of Examiner-I

Name and Signature of Examiner-2



#### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS **ENGINEERING**

## **DECLARATION**

We

SARVESH M

1KG16EE025

ANILKUMAR S

1KG17EE001

the students of BE VIII Semester (Electrical and Electronics Engineering) declare that the project entitled DESIGN AND DEVELOPMENT OF COST-EFFECTIVE 3D PRINTER is carried out by us as a partial fulfillment of academic requirement of degree under Visvesvaraya Technological University. The content in the report are original and are free from plagiarism and other academic dishonesty and are not submitted to any other University either partially or wholly for the award of any other degree.

NAME	USN	Signature
SARVESH M	1KG16EE025	JOHEM.
ANILKUMAR S	1KG17EE001	S. Anikumar

Date: 30/6/2022 Place: Bengaluru

# HYDROPOWER GENERATION USING MICROTURBINE IN THE PLUMBING SYSTEM OF THE BUILDING

Project Work submitted to



## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

in partial fulfilment of the requirements for the award of a degree of

# BACHELOR OF ENGINEERING in ELECTRICAL AND ELECTRONICS ENGINEERING

Submitted by

DEEPAK A S

1KG16EE010

KIRAN KUMAR G

1KG16EE015

Under the Guidance of

Mrs Tejaswini G V
Assistant Professor
Dept. Of E&E Engineering
K. S. School of Engineering and Management



Department of Electrical and Electronics Engineering K.S. School of Engineering and Management No. 15, Mallasandra, off Kanakapura Road, Bengaluru-560109 2021-2022



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### CERTIFICATE

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## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### DECLARATION

We.

DEEPAK A S 1KG16EE010 KIRAN KUMAR G 1KG16EE015

the students of BE VIII Semester (Electrical and Electronics Engineering) declare that the project entitled "Hydropower generation using microturbine in the plumbing system of the building" is carried out by us as partial fulfillment of academic requirement of degree under Visvesvaraya Technological University. The content in the report is original and are free from plagiarism and other academic dishonesty and are not submitted to any other University either partially or wholly for the award of any other degree.

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Date: 30/6/2022

Place: Bengaluru



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT MECHANICAL ENGINEERING

#### CERTIFICATE

This is to certify that the project work entitled Design & Development Of Fixed Wing Multirotor UAV For Quick Medical Response is a bonafide work carried out by

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The present automotive industries are focusing on developing such aerial vehicle which operates with minimal human interaction and in a more stable manner.

VTOL is one of the technologies which fulfils these requirements. Due to their high payload capacity and automation with sensors make them more suitable for applications like military, rescue tasks, delivery task and aerial photography. The use of these UAVs is more economic than using a manned aircraft for a certain application.

In this project we are focusing on, a VTOL UAV system design, build, and fly a quadcopter mode and aircraft mode considered for transportation of medicines & health care products through the developed UAV. Providing a quick medical response.



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT MECHANICAL ENGINEERING

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In larger cities, quality of indoor air is completely affected due to growing industrialization that pollutes the air we breathe with contaminants like industrial dust, smog and other particles from traffic. The solution from a user perspective is to use an air purifier that cleans the air from these particles inside the user's home. An air purifier can also be used to ease annoyance for people suffer from allergies.

However, most of air purifiers available in the market are very costly and filters used are onetime use filter that eventually ends up In landfill, which becomes tides work to replace the filters more frequently In this concern, our project aims in developing and fabricating a lowcost air purifiers for indoor operated by solar energy. The air purifier model uses two filters one is activated carbon tubes, which can be reused after easily cleaning and other filter is made by natural ingredients, available in home but this has to replaced frequently and process of replacing is also is easy.

This Air Purifier is uses natural fibres & powered by solar energy results in less cost. Air quality achieved has been improved and is within the WHO standards.



#### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF MECHANICAL ENGINEERING

#### CERTIFICATE

This is to certify that the project work entitled "DESIGN AND FABRICATION OF LOW EFFORT RUNNING CYCLE" is a bonafide work carried out by

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Being Healthy is one of the most basic concerns of all human beings. People these days with advancement in technology have mostly forgotten to be fit and healthy. People believe that the advanced hospitality available in the market can easily cure them from any disease. It is sure that available medicines and technology in the market can cure any disease. Elders believe in the say that "Prevention is the better than cure". Yes, the word is true prevention of any disease is better than its cure. If we talk about daily facing problems, related to health, the word obesity comes to our mind. Obesity is defined as a problem related to overweight in humans. Obesity occurs mainly because of two reasons. Nowadays due to busy schedule people don't even get a chance to think of exercising. Although a few people exercise, they are just in countable numbers.

Many companies have developed many exercising equipment's such as cross trainers, treadmill, etc. In spite of so many exercising equipment's in the market people don't go for it because of their cost which tends as a burden to them and the time spent on that. So, to overcome this problem we have built an automobile type exercising equipment named "Low effort running cycle". This cycle is an automobile type exercising equipment as it even travels with exercising. This equipment is actually a combination of a cross-trainer and a bi cycle, i.e., the motion of cross trainer is collated with a bi-cycle to make it an automobile type exercise equipment.

The equipment is provided with kinematic link, i.e., the linear motion is converted to rotary motion. In simple words, a person walks on the pedal mounted on the connecting rod which creates a linear motion. The kinematic link is provided from the connecting rod to the sprocket, this kinematic link provides the rotary motion of the sprocket which is mounted behind the cycle. A chain link is used to transmit the torque from the sprocket to the wheels.

The materials used in making the cycle is so economical that even a common person can buy it. The cycle is of portable type. The entire weight of the cycle is comparatively less than a separate cross-trainer. Bearings are provided for the friction free moment. The angle of inclination provided to the block gives a comfort of walking on it. Guideways is used inside the block so that any wear and tear occurring should not affect the block.



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT MECHANICAL ENGINEERING

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An electric powered incubator using a forced draft principle was developed using the available local materials and it was tested with hatchable hen egg. The aim was to produce a poultry farmers. The incubator has the hatching capacity of 40 eggs. Factors that were considered during the performance evaluation of the incubator were humidity, 55% and Turning of eggs was achieved with the use of tilting trays mechanism using an electric gear every hour and lasted for four minutes.



# K.S. SCHOOL OF ENGINEERING AND MANAGEMENT MECHANICAL ENGINEERING

## **CERTIFICATE**

This is to certify that the project work entitled Investigation of Mechanical Properties of Aluminum 6061 Matrix Composites Reinforced With Nano Gr Particulates Using Stir Casting Process is a bonafide work carried out by

**RAJA SAJID** 

1KG19ME408

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The growing requirement for the product having low cost along with excellent quality has moved work towards composite materials in recent years. Composite materials are very important materials nowadays. A composite material is the mixture of two or more materials. which are having distinct phases and characteristics as well as superior to the base material. Metal matrix composites (MMCs) are constantly evolving due to innovative and exciting technologies and are widely used as well as recognized as a potential material for many industrial applications in various industries. MMCs are having excellent properties in comparison with conventional metals and alloys, in MMCs, a new class of composites. aluminium metal matrix composites (AlMMCs) are gaining increasing attention, AlMMCs are very important for a wide array of applications in industries because of excellent mechanical characteristics, low weight and cost. In the production of MMC materials, there are several production methods available as well as AlMMCs also can be manufactured through a variety of techniques. By changing the methods of the fabrication process and by adding the reinforcement material, different characteristic profiles can be obtained although the materials having the same composition and same quantities. Among several methods to fabricate Aluminium metal matrix composites, stir-casting technique is used for large-scale production due to its being less expensive. This research is concerned with the fabrication of Aluminium composites with Gr nano particles at different volume fraction (0, 0.5, 1, 1.5 and 2 wt.%) as reinforcement material, for sake of producing a cost-effective composite with enhanced properties. The microstructural observation was carried out using optical and scanning electron microscopy. Tensile Strength was escalated with the introduction of reinforcement as load is transferred to strongly bonded reinforcement particles. Al6061/2 wt.% Gr Nano particles AMC exhibited 168.29% higher microhardness and 43.69% and 45.19 % higher YTS and UTS respectively compared to unreinforced Al6061 alloy. The reduction in toughness and elongation were attributed by 3.23 J and 6.44% respectively. Compressive test analysis revealed that there was an improvement of compressive strength from 322 MPa (alloy matrix) to 628 MPa (at 2 wt.% Gr Nano particles). The forgeability test disclosed that due to the presence of hard and brittle nanoparticles (Gr Nano particles), the forgeability property of the fabricated nanocomposite deteriorated on employing Gr Nano particles. SEM and XRD were done and the presence of reinforcing particles was confirmed. The interface bonding mechanisms and strengthening mechanisms were studied in detail.



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT MECHANICAL ENGINEERING

#### CERTIFICATE

This is to certify that the project work entitled "A Study On Effect Of Inorganic Nano Filler On Wear Behaviour Of Glass Fiber Reinforced Polymer Nanocomposites" is a bonafide work carried out by

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Nanocomposites are new composite materials in which the Polymer material is reinforced by one or more separate nanomaterials in order to improve performance properties. Polymer nanocomposites are another class of material in which inorganic nanoparticles are joined with polymer matrix enhance mechanical, fire and temperature resistance properties. Such change in the properties happen as a result of their predominant phase morphology and more prominent interfacial properties. The most generally utilized nanoparticles are nanotubes, nano clay, silica particles and electro-spun polymeric nano-strands.

In this work an improvement in microhardness value was observed in the all-nanoparticles G+E nanocomposites. This may be attributed to the high intrinsic hardness of the glass fiber and nanoparticles. During indentation, nanoparticles fill in the gap between the fibre and the matrix and form a denser structure. And Addition of nanoparticles in G+E nanocomposites increases the both tensile strength and modulus due to uniform dispersion an interaction developed between filler with fibre-matrix. Thus, the improved properties of the prepared nanocomposites. In this project we can conclude that composite G+E-III has better mechanical properties than any other composites.



#### K.S. SCHOOL OF ENGINEERING AND MANAGEMENT DEPARTMENT OF MECHANICAL ENGINEERING

#### CERTIFICATE

This is to certify that the project work entitled Experimental Analysis of Heat Exchanger with Perforated Discs Inserts using MWCNT is a bonafide work carried out by

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Heat exchanger is a device which transfers the energy from a hot fluid medium to a cold fluid medium with maximum rate, minimum investment and low running costs.

Perforated discs are provided to improve the capabilities of double pipe heat exchangers. Typically, one or more tubes or binding posts pass through the discs. The discs are attached to the tube or post by press fitting, furnace or torch brazing, welding, or other method of mechanical bonding. The perforations allow heat exchange with the contents of a tube of a fluid flowing essentially parallel to the axis of the tube, in contrast to conventional disc-tube heat exchangers.

The idea behind development of nanofluids is to use them as thermo fluids in heat exchangers for enhancement of heat transfer coefficient and thus to minimize the size of heat transfer equipments. The important parameters which influence the heat transfer characteristics of nanofluids are its properties which include thermal conductivity, viscosity, specific heat and density. The thermo physical properties of nanofluids also depend on operating temperature of nanofluids. Hence, the accurate measurement of temperature dependent properties of nanofluids is essential. This project summarizes recent developments in research on nanofluids and experimental analysis of nano fluids and their results.

The main objective of the present work includes preparation of the nanofluids using Multi Walled Carbon Nano Tube (MWCNT) and composition of carbon nano tubes by dispersing in base fluidas distilled water. The nanofluid is expected to produce better thermal properties compared to individual basefluid. The prepared sample is used as a heat transfer fluid in the double pipe heat exchanger inserted with perforated dics. Performance analysis of the heat exchanger is carried out to determine the heat transfer rate and effectiveness in parallel and counter flow orientation. The results obtained are compared with the performance of base fluid and suitable conclusions are drawn.



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT Department of Mechanical Engineering

#### CERTIFICATE

This is to certify that the project work entitled Experimental investigation of forced convection heat transfer through solid and perforated fins is a bonafide work carried out by

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1KG18ME003

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MANJUNATH K

1KG18ME007

THARUN ADHITHYA C R

1KG18ME011

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Signature of Guide Mr. VINOD A

Assistant professor Department of

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**Examiners:** 

Signature of HOD Dr. Balaji B

Professor & Head

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Signature of Principal/Director

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Dr. K. Rama Narasimha Dr. Ringing Diagrasimha

Principal MARASIMHA
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Dr. BALATT. B. (Luly, 197/7/22)
Name and Signature of Examiner-1

27/7/22 Name and Signature of Examiner-27 To haz

Fins are extensions on exterior surfaces of objects that increase the rate of heat transfer to or from the object by increasing convection. This is achieved by increasing the surface area of the body, which in turn increases the heat transfer rate by a sufficient degree. This is an efficient way of increasing the rate, since the alternative way of doing so is by increasing either the heat transfer coefficient (which depends on the nature of materials being used and the conditions of use). Fins are therefore a very popular solution to increase the heat transfer from surfaces and are widely used in a number of objects.

The fin material should preferably have high thermal conductivity. These fins are arranged in an order in such a way that the heat dissipated by a system will immediately enter into the surroundings with the help of perforated fins.

Perforated fins are a set of fins arranged in an order with holes on it to make the system run without any disturbance The main objective of this project is to develop keyways onto a block of Aluminum that provides flexibility in heat transfer through fins arranged in a sequence order. This is mostly useful in electronic system with slow running capacity. Extending fins improve the rate of heat transfer or increase convection.

#### K.S. School of Engineering and Management

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



#### Department of Mechanical Engineering

## Certificate

This is to certify that the project work entitled "Experimental Investigation on Performance Analysis of a VCR with Nano-Refrigerant" is a bonafide work carried out by

> 1KG15ME028 NIKHILESH R P PRAJWAL K 1KG15ME030 SENTHIL KUMAR A B 1KG15ME045 TAMIL SELVAN A 1KG15ME051

are the bonafide students of Department of Mechanical Engineering in partial fulfilment for the award of Bachelor of Engineering in Visvesvaraya Technological University, Belagavi, during the year 2018-19. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement in respect of project work prescribed for the degree.

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g. Dept. of Mechanical Engg Professor & Head Department of Mechanical Engineering

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Dr. K. RAMA NARASIMHA

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Performance enhancement of refrigeration is an emerging research topic recent technological developments in the fields of electronics, transportation, medical and HVAC systems have resulted in a pressing need for a performance enhanced cooling system. Now days, refrigeration has become one of the most important systems for people's daily lives. Based from some research, the use of refrigeration & air conditioning systems consumes 30 to 40% of total electricity consumed. The traditional method for increasing heat dissipation is to increase the area available for exchanging heat, However, this approach involves an undesirable increase in the size of a thermal management system; therefore, there is an urgent need for new and novel coolants with improved performance. The innovative concept of 'nanofluids' heat transfer fluids consisting of suspended of nanoparticles has been proposed as a prospect for these challenges. In this review, we summarize the Performance enhance of Vapour Compression System Using Nanofluids. Moreover, challenges and future directions of Performance enhance of VCRs and to try finding some challenging issues that need to be solved for future research.

The use of conventional refrigerants such as R600a (Methyl propane) and R134a (Tetrafluoroethane) in domestic refrigerators has led to a continuous increase in global power consumption as well as the rate of global warming. In recent times, more efficient and eco friendly working fluids are being sought after. This work investigated the effectiveness of a monometallic nanofluids; Aluminium Oxide ( $Al_2O_3$ ) when used with refrigerant R134a refrigerant in vapour compression refrigerators. The nano-refrigerants were used in a vapour compression refrigerator without any system reconstruction. The refrigerator performance was then investigated using energy consumption test and freeze capacity test. The results indicated that the performance of three nano refrigerants when used in the vapour compression system, surpassed that obtained when the pure R134a and Aluminium Oxide ( $Al_2O_3$ ) were used. The best refrigerator performance was however achieved with R134a –  $Al_2O_3$  with 15.9% less power consumed and about 6.62 % more COP overall compared to the R134a working fluid.



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT MECHANICAL **ENGINEERING**

## CERTIFICATE

This is to certify that the project work entitled analysis on Friction Stir Welding of Al 5052 and Al 7075 using hexagonal tool Profile is a bonafide work carried out by

SATWIK K C

1KG17ME032

SUHAS M

1KG17ME038

in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belagavi, during the year 2021-2022. It is certified that all the suggestions indicated during internal assessment have been incorporated in the report and this report satisfies the academic requirement with respect to Project Work (17MEP85) prescribed for the degree.

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Head of the Department

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Examiners

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Friction stir welding is a solid-state welding process that involves joining similar or dissimilar metals using a rotating tool. Tool geometry and traverse speed and rotating speed of motion of the tool, tool axial force, and tilt angle are some of the variables in this process. Friction stir welding of aluminum alloys has been conducted for the past 20 years. A non-consumable tool with a pin is made to traverse through the joint line of the material to be joined. Heat is produced due to friction between tool shoulder and workpiece which softens the material around the pin and produces a few microstructural changes in and around the weld zone. The resultant microstructure of the weld cross-section, the size, and distribution of the precipitates in the case of precipitation strengthened alloys, mechanical properties of the weldment, and other microstructural features are dependent on the welding parameters, tool dimensions, initial microstructure of workpiece material, and temperature distribution during welding.

We have chosen Aluminium 5052 and aluminium 7075 as our dissimilar aluminium materials at the rotational speed of tool 1000 rpm and feed rate of 40 mm/min and 50 mm/min using hexagonal tool profile. Tribological testing of the Friction stir welded joints are taken into consideration and compared to both the feed rate.



## K.S. SCHOOL OF ENGINEERING AND MANAGEMENT MECHANICAL ENGINEERING

#### CERTIFICATE

This is to certify that the project work entitled Study on Friction Stir Welding of Al 5052 and Al 6061 using hexagonal tool Profile is a bonafide work carried out by

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1KG16ME004

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Friction stir welding is a solid-state welding process which involves joining similar or dissimilar metals using a rotating tool. Tool geometry and traverse speed and rotating speed of motion of the tool, tool axial force and tilt angle are some of the variables in this process. Friction stir welding of aluminum alloys has been conducted for the past 20 years. A nonconsumable tool with a pin is made to traverse through the joint line of the material to be joined. Heat is produced due to friction between tool shoulder and workpiece which softens the material around the pin and produces a few microstructural changes in and around weld zone. Resultant microstructure of the weld cross-section, the size and distribution of the precipitates in the case of precipitation strengthened alloys, mechanical properties of the weldment, and other microstructural features are dependent on the welding parameters, tool dimensions, initial microstructure of workpiece material, and temperature distribution during welding.

We have chosen Aluminium 5052 and aluminium 6061 as our dissimilar aluminium materials at the rotational speed of tool 1000 rpm and feed rate of 40 mm/min and 50 mm/min using hexagonal tool profile.

Tribological testing of the Friction stir welded joints are taken into consideration and compared to both the feed rate.

#### PROJECT REPORT ON

"An Study on Inventory Management System at Weir Minerals Pvt Ltd"

By

AKSHAY R

1KG20BA002

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



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

#### MASTER OF BUSINESS ADMINISTRATION

(20MBAPR407)

Under the guidance of

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Assistant Prof. of K S School

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**JULY 2022** 



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May 07, 2022

## TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr.Akshay R** USN No: 1KG20BA002 a student of K S School of Engineering and Management, Bangalore has completed his Internship with us in Finance Department. He had undergone internship with us from 26<sup>th</sup> March to 07<sup>th</sup> May 2022.

During Internship we found him punctual, sincere & hardworking in his work.

We wish him all success in his future professional endeavors.

For Weir Minerals (India) Pvt. Ltd.,

Shula N.N

Sheela N N

Assistant Manager-Human Resource



Minerals

Weir Minerals (India) Pvt. Ltd. Survey No. 28/2, Nagarur Village Huskur Road, Dasanapura Hobli Bengaluru - 562 123 Karnataka, India

T +91 80 4137 2777 F +91 80 4117 9230 www.global.weir

May 07, 2022

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This is to certify that **Mr.Akshay R** USN No: 1KG20BA002 a student of K S School of Engineering and Management, Bangalore has completed his Internship with us in Finance Department. He had undergone internship with us from 26<sup>th</sup> March to 07<sup>th</sup> May 2022.

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We wish him all success in his future professional endeavors.

For Weir Minerals (India) Pvt. Ltd.,

Shula N.N

Sheela N N

Assistant Manager-Human Resource

#### PROJECT REPORT (20MBAPR407)

On

"A Study on Effectiveness of Radio as an Advertising Medium" At Radio city 91.1 FM Bengaluru

By ALLU BINDU MADHAVI USN: 1KG20BA003

Submitted to
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

#### INTERNAL GUIDE

Prof. Arundhati KL Assistant Professor

KS School of Engineering and Management

#### EXTERNAL GUIDE

Mr. Raghavendra Marketing Manager

Radio City 91.1 FM



Department of Management Studies
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
July- 2022



#### TO WHOM SO EVER IT MAY CONCERN

17/06/2022

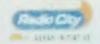
#### Project certificate

This is to certify that Ms. Allu Bindu Madhavi, from K.S School of Engineering and Management Bangalore, has successfully completed her project titled "A Study on Effectiveness of Radio as an Advertising Medium" in the marketing department with our organization for 6 weeks starting from 1 Apr 2022 to 16 May 2022.

We wish her all the success in future endeavours.

Marketing manager

Radio city





# SEM

## K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. ALLU BINDU MADHAVI bearing USN 1KG20BA003, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Effectiveness of Radio as an Advertising Medium at Radiocity 91.1FM, Bengaluru" is prepared by her under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

K.S. School of Engineering & management, \$15. Mellesandra, Off Kanakaputa Road,

Bennaluru - 560 109.

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

Viva-voce Examination

Date:

28 10 2022

Signature of Internal Examiner Name & Affiliation

Arandathi Kh.

KSSEM.

Signature of External Examiner Name & Affiliation

Dr. M. Sendlikumez

#### PROJECT REPORT ON

"An Study on Inventory Management System at Weir Minerals Pvt Ltd"

By

AKSHAY R

1KG20BA002

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



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

#### MASTER OF BUSINESS ADMINISTRATION

(20MBAPR407)

Under the guidance of

## INTERNAL GUIDE ROOPA BALAVENU

Assistant Prof. of K S School

of Engineering and Management

EXTERNAL GUIDE

Mr. Lohith H V

HR Manager

Weir Minerals Pvt Ltd. Peenya 2nd Stage



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109

**JULY 2022** 



Minerals

Weir Minerals (India) Pvt. Ltd. Survey No. 28/2, Nagarur Village Huskur Road, Dasanapura Hobli Bengaluru - 562 123

Bengaluru - 562 123 Karnataka, India

**T** +91 80 4137 2777 **F** +91 80 4117 9230 www.global.weir

May 07, 2022

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We wish him all success in his future professional endeavors.

For Weir Minerals (India) Pvt. Ltd.,

Shula N.N

Sheela N N

Assistant Manager-Human Resource



Minerals

Weir Minerals (India) Pvt. Ltd. Survey No. 28/Z, Nagarur Village Huskur Road, Dasanapura Hobli Bengaluru - 562 123 Karnataka, India

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May 07, 2022

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During Internship we found him punctual, sincere & hardworking in his work.

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For Weir Minerals (India) Pvt. Ltd.,

Shula N.N

Sheela N N

Assistant Manager-Human Resource

On

"A Study on Effectiveness of Radio as an Advertising Medium" At Radio city 91.1 FM Bengaluru

By ALLU BINDU MADHAVI USN: 1KG20BA003

# Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

#### INTERNAL GUIDE

Prof. Arundhati KL Assistant Professor

KS School of Engineering and Management

#### **EXTERNAL GUIDE**

Mr. Raghavendra Marketing Manager

Radio City 91.1 FM



Department of Management Studies
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
July- 2022



#### TO WHOM SO EVER IT MAY CONCERN

17/06/2022

#### Project certificate

This is to certify that Ms. Allu Bindu Madhavi, from K.S School of Engineering and Management Bangalore, has successfully completed her project titled "A Study on Effectiveness of Radio as an Advertising Medium" in the marketing department with our organization for 6 weeks starting from 1 Apr 2022 to 16 May 2022.

We wish her all the success in future endeavours.

Marketing manager

Radio city





#### CENTIFICATE

This is to certify that Ms. ALLU BINDU MADHAVI bearing USN 1KG20BA003, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Effectiveness of Radio as an Advertising Medium at Radiocity 91.1FM, Bengaluru" is prepared by her under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

K.S. School of Engineering & management, #15. Mallasandra, Olf Kanakapura Road,

Bennaluru - 560 109.

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

of Engineering and Managar

K S School of Engineering and Management

Viva-voce Examination

Date:

: 28 10 2022

Signature of Internal Examiner
Name & Affiliation

Agandathi Kh.

KSSEM.

Signature of External Examiner

Name & Affiliation

AP, ADT, - MBA

on

"A Comparative Study on Indirect Tax of India with Other Developed Countries at MGM Association, Bengaluru"

> By ANUSHA S 1KG20BA004

Submitted to
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfillment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

#### INTERNAL GUIDE

Prof. Roopa Balavenu Assistant Professor K S School of Engineering and Management

#### EXTERNAL GUIDE

Mamatha N Finance Manager MGM Association



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 JULY 2022

Mob: 9611358769



# **MGM ASSOCIATES**

### **Group Auditors & Tax Consultants**

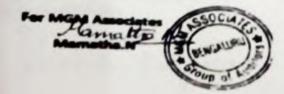
#1, 2nd floor,1st Cross, 6th E main, Geursva Nagar, J.P Nagar 7th phase, Near BESCOM Office, Bengalore \$60078. Ph : 080 - 4370 1107 Email : mgmassociates2016@gmail.com

#### TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. ANUSHA S (USN: 1KG20BA004) from K S School of Engineering and Management, Bangalore, Karnataka has successfully completed an Internship project tittle "A COMPARATIVE STUDY ON INDIRECT TAX IN INDIA WITH OTHER DEVELOPED COUNTRIES" with "MGM ASSOCIATES" in partial fulfillment of the requirement for the MBA from Visvesvaraya Technological university(VTU) for a period of Six(6) weeks from 28th March 2022 to 6th May 2022.

During the above period performance of Ms. ANUSHA 8 (USN: 1KG20BA004) has been very good and satisfactory.

Date: 06/05/2022 Place: Bangalore





# Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURI - 560109

#### DECLARATION

I. Anusha S. hereby declare that the Project report entitled "A COMPARATIVE STUDY ON INDIRECT TAX OF INDIA WITH OTHER DEVELOPED COUNTRIES", Bengaluru" with reference to "MGM ASSOCIATES, Bengaluru" prepared by me under the guidance of Roopa Balavenu. Assistant professor, Department of Management Studies, K. S. School of Engineering and Management. Bengaluru and external assistance by Mamatha N. Finance Manager, MGM Associates, Bengaluru. I also declare that this Project work is towards the partial fulfilment of the University Regulations for the award of degree of Master of Business Administration by Visvesvaraya Technological University. Belagavi. I have undergone a Project Work for a period of Six weeks. I further declare that this Project is based on the original study undertaken by me and has not been submitted for the award of any degree/diploma from any other University Institution.

Place: Bangalore Date: 19/07/2022

Signature of the Student

on

"A STUDY ON CUSTOMER SATISFACTION AT RAPSRI PVT LTD, HORAHALLI"

> By ARPITHA R 1KG20BA005

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE

ARUNDATHI K L ASSISTANT PROFESSOR, MANAGEMENT STUDIES KSSEM

EXTERNAL GUIDE

**PRAVEEN JB** HR AND PRODUCT DEVELOPERS RAPSRI PVT LTD



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 July-2022

# CERTIFICATE

This is to certify that Miss Arpitha R (USN 1KG20BA005) has completed her project with Rapsri product co, ltd, Bannikuppe, Harohalli for a period of 6 weeks from 5th April 2022 to 17th May 2022. She has working on the project "Study of customer satisfaction on Rapsri product co, Itd" under guidance of Mr. Praveen JB.

We have found her conduct to be good during her project phase and her respective project has been completed.

We wish her all the best for her future endeavors.

Regards



### KAMMAVARI SANGHAM (R), 1952 K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. ARPITHA R bearing USN 1KG20BA005, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Customer Satisfaction at Rapsri Pvt Ltd, Harohalli" is prepared by her under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HO

Tolessor & HOD-MBA

K.S. School of Engineering & management. #15, Malias andra, Off Kanakapura Road,

Bengallou - 560 109

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management Berngaturu - 560 109

Viva-voce Examination

Date: 28 10/2022

Name & Affiliation

Arundathi Kho.

KSSEM

Signature of External Examiner

Name & Affiliation

Dr.M. Send of tumes

#### PROJECT REPORT 20MBAPR407

on

"A Study of Customer Relationship Management at Arvind Limited"

> By BHASKAR Y 1KG20BA006

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE
PROF.ARUNDATHI KL
ASSISTANT PROFESSOR
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

EXTERNAL GUIDE MRS PRATIBHAARYA EXECUTIVE ARVIND LIMITED



Department of Management Studies
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
JULY - 2022



Date: 9th May 2022

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Bhaskar Y, from K.S School of Engineering and Management Bangalore has successfully completed his Project titled "A study on Customer Relationship Management" in merchandising and marketing department with our organization for 6 weeks starting from 29<sup>th</sup> March 2022 to 9<sup>th</sup> May 2022.

His conduct and commitment during the project was found to be GOOD.

We wish him all the best in his future endeavours.

For Arvind Limited

Suma A

Senior Manager - Human Resource

Arvind Limited
Lifestyle Apparel - Shirts
63/9, Dodda Thogur Village, Begur Hobli,
Electronic City Post, Bangalore 560 100, India
7 +91 80 40715000

Registered Office Arvind Limited, Naroda Road, Ahmedabad, 380 025, India Tel.:+91 79 68268000 CIN: L17119GJ1931PLC000093

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# SEM

# K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. BHASKAR Y bearing USN 1KG20BA006, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Customer Relationship Management at Arvind Limited, Bengaluru" is prepared by him under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD-MBA.

K.S. School of Engineering & management.

Bennaluru - Son 1011

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Date: 28 10/2022

Signature of Internal Examiner
Name & Affiliation

Arundatli Koh.

Signature of External Examiner

Dr. M. Sendhil Kumer AP, AIT-MBA.

# PROJECT REPORT (20MBAPR407) ON A STUDY ON "EMPLOYEE WELFARE MEASURES" CONCERNING SIMATECH CNC SERVICES

Ву

CHAITHANYA.N

1KG20BA007

Submitted to

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of

# MASTER OF BUSINESS ADMINISTRATION

### Under the guidance of

# INTERNAL GUIDE

Dr. Shekhar. H S Professor & Head of Department Department of Management Studies, KSSEM

### EXTERNAL GUIDE

Mr⊾ A. Sivdas Manager-Admin SIMATECH CNC SERVICES



Department of Management Studies

K.S. SCHOOL OF ENGINEERING AND MANAGEMENT # 15, Mallasandra, Off Kanakapura Road, Bangalore-560109 (2022)



06 May 2022 Bangalore

#### INTERNSHIP CERTIFICATE

**Subject**: Internship and Project completion Letter on the topic of " Employee Welfare measures "

This is to certify that Ms.Chaithanya. N USN No:1KG20BA007 studying Master of Business Administration KS School of Engineering and Management under Visvesvaraya Technological University, Belgaum has successfully completed the internship project in Simatech CNC Services, Bangalore from 26-Mar-22 to

# 4 Beereshwara Complex, 77, Karivobanahalli Main Road,

07-May-22.

For Simatech CNC Services

**Authorised Signatory** 

A.Sivadas

Manager - Admin





06 May 2022 Bangalore

#### INTERNSHIP CERTIFICATE

**Subject**: Internship and Project completion Letter on the topic of " Employee Welfare measures "

This is to certify that Ms.Chaithanya. N USN No:1KG20BA007 studying Master of Business Administration KS School of Engineering and Management under Visvesvaraya Technological University, Belgaum has successfully completed the internship project in Simatech CNC Services, Bangalore from 26-Mar-22 to 07-May-22.

For Simatech CNC Services

**Authorised Signatory** 

A.Sivadas

Manager - Admin

"A Study on Home Loan Process and their Customer Satisfaction at Cholamandalam Investment and Finance Company ltd, Bengaluru"

> By CHAITHRA A C 1KG20BA008

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE Prof. Roopa Balavenu **Assistant Professor KSSEM** 

EXTERNAL GUIDE Mr. Shivaraj Sales Manager Cholamandalam Investment And Finance Company LTD



**Department of Management Studies** K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 JULY 2022



#### Cholamandalam Investment And Finance Company Ltd.

Municipal No.45, (Old Nos. 45& 45/1 Second Floor, Lal Bagh Main Rd, Lalbagh, Bengaluru, Kamataka 560027

Date: 7th May 20222

#### **Project Certificate**

This is to certify that CHAITHRA AC being registration number "1KG20BA008" from "KS School of engineering and management has carried out her project work from 28-03-2022 to 07-05-2022 in our organization under the guidance of Mr. shivaraj sales manager, submitted report on "A Study on home loan process and their customer satisfaction at cholamandalam investment and finance company" Indian Bangalore.

During the period of the said programmed, she was exposed to different areas and was found diligent, hardworking.

We wish her all success in future endeavors

Shivaraj

Sales manager

Cholamandalam investment and finance company



#### KAMMAVARI SANGHAM (R), 1952 K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Chaitra A C bearing USN:1KG20BA008 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Home Loan Process and their Customer Satisfaction at Cholamandalam Investment and Finance Company Ltd., Bengaluru" is prepared by her under the guidance of Prof. Roopa Balavenu, Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD Professor & HOD-MBA.

ותפתוחת הבי ו הביידים

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Date: 29/10/22

Signature of Internal Examiner

Name & affillation

Dr. Shekar. H. S K. S. School of Engineering & Management & Engineering

Signature of External Examiner

AIT, Bengalura.

#### PROJECT REPORT 20MBAPR407

on

"A Study on Merchandising at Arvind Ltd"

#### By CHAKARVARTHI N 1KG20BA009

# Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE Arundathi Kl Assistant Professor K. S. SCHOOL OF ENGINEERING AND MANAGEMENT EXTERNAL GUIDE Mohan ram R Senior Executive Arvind ltd



Department of Management Studies
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
JULY - 2022



Date: 9th May 2022

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Chakarvarthi N, from K.S School of Engineering and Management Bangalore has successfully completed his Project titled "A study on Merchandising" in merchandising and marketing department with our organization for 6 weeks starting from 29th March 2022 to 9th May 2022.

His conduct and commitment during the project was found to be GOOD.

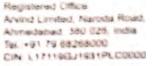
We wish him all the best in his future endeavours.

For Arvind Limited

Suma A C

Senior Manager - Human Resource

**Arvind Limited** Lifestyle Apparel - Shirts # 63/9, Dodde Thogur Village, Begur Hobil. Electronic City Post, Bangaiore 560 100, India T+91 80 40715000







### KAMMAVARI SANGHAM (R), 1952 K.S. School of Engineering and Management

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Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. CHAKARVARTHI N bearing USN 1KG20BA009, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Merchandising at Arvind Ltd, Bengaluru" is prepared by him under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Engineer og & management. Mallasandia (V. Endakaputa Read.

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Date: 28/10 2022

Signature of Internal Examiner Name & Affiliation

Arandathi Kh

KSSEM

Signature of External Examiner

Name & Affiliation
Dr.M. Sendliftumas
AP, AST, MBA,

on

# "A STUDY ON LOANS AND ADVANCES AT STATE BANK OF INDIA"

By CHANDANA T. Y 1KG20BA010

# Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE PROF.ROOPA BALAVENU ASSISTANT PROFESSOR KSSEM, BANGLORE EXTERNAL GUIDE

MIS. UMA

MANAGER

SBI BANK, KANAKAPURA



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU- 560109

JULY- 2022



MHS ROAD KANAKAPURABRANCH MHS ROAD KANAKAPURA DT RAMNAGARA PIN 562117

Date:08/06/2022

#### **PROJECT CERTIFICATE**

This is to certify that Mis. CHANDANA T Y, USN No 1KG20BA010. K.S School of Engineering and Management, Banglore-560109, has undergone an internship with us from 26/03/2022 to 07/05/2022.

Meanwhile he worked on project "A STUDY ON LOANA AND ADVANCES AT STATE BANK OF INDIA" with special reference to state bank of India.

We found she a self motivated, punctual and hardworking. Her performance was efficient.

We wish her Best of luck for her future career.

FOR STATE BANK OF INDIA

MHS Road, Kanakagura 562117

Chief Manager

### KAMMAVARI SANGHAM (R), 1952 K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Chandana T Y bearing USN:1KG20BA010 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Loans & Advances at State Bank of India, Kanakapura" is prepared by her under the guidance of Prof. Roopa Balavenu, Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD Professor & HOD-MBA.

K.S. School of Engineering & management, #15. Mallasandra, Oil. Kanakapura Road,

Benini 1 5 1 109

Signature of Principal Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Dr. Shekar. H. S KSSEM, Bangalore

Signature of External Examiner Name & affiliation

on

"A Study on Impact of Working Capital Management on Profitability at Purewell India Exturoto Pvt Ltd, Bengaluru"

> By CHETAN RAM S 1KG20BA011

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfillment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

### INTERNAL GUIDE

Prof. Roopa Balavenu Assistant Professor K S School of Engineering And Management

#### **EXTERNAL GUIDE**

Prakash Finance Manager Purewell India Exturoto Pvt. Ltd.



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
JULY 2022





Plot No. 2J-2K 3rd Phase, KIADB Obedenahalli, Doddaballapura Main Rd, Industrial Area, Bengaluru, Karnataka 562163

This is to certify that Mr. CHETAN RAM S (USN: 1KG20BA011) from K S School of Engineering and Management, Bangalore, Karnataka has successfully completed an Internship project tittle "A STUDY ON IMPACT OF WORKING CAPITAL MANAGEMENT ON PROFITABILITY AT PUREWELL INDIA EXTUROTO PVT LTD" with "Purewell India Exturoto Pvt Ltd" in partial fulfillment of the requirement for the MBA from Visvesvaraya Technological university(VTU) for a period of Six(6) weeks from 28th March 2022 to 6TH May 2022.

During the above period performance of Mr. CHETAN RAM S (USN: 1KG20BA011) has been very good and satisfactory

Date: 06/05/2022

Place: Bangalore

HR Operations.

Purewell India Exturoto Pvt.Ltd



# K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Chetan Ram S bearing USN:1KG20BA011 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Impact of Working Capital Management on Profitability at Purewell India Exturoto Pvt. Ltd." is prepared by him under the guidance of Prof. Roopa Balavenu. Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University. Belagavi. Karnataka.

Signature of Internal Guide

Signature of HOL

g spread and a season and a season a fixed.

Remaining - 260 100.

Signature of Principal

Principal/Director

K S School of Engineering and Management

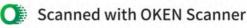
Bengaluru - 560 109

Viva-voce Examination

Date:

Signature of Internal Examiner Name & affiliation

Signature of External Examiner Name & affiliation



"A STUDY ON THE IMPACT OF GREEN BANKING PRACTICES ON BANK'S ENVIRONMENTAL PERFORMANCE WITH SPECIAL REFERENCE TO BANGALORE CITY AT SBI"

> By DARSHAN A 1KG20BA012

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

INTERNAL GUIDE

ROOPA BALAVENU ASSISTANT PROFESSOR MANAGEMENT STUDIES KSSEM

EXTERNAL GUIDE

**UMA** 

BANK MANGER

SBI BANK, KANAKAPURA



**Department of Management Studies** K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 **JULY 2022** 



MHS ROAD KANAKAPURABRANCH MHS ROAD KANAKAPURA DT RAMNAGARA PIN 562117

Date:08/06/2022

#### **PROJECT CERTIFICATE**

This is to certify that Mr. DARSHAN A, USN No 1KG20BA012. K.S School of Engineering and Management, Banglore-560109, has undergone an internship with us from 26/03/2022 to 07/05/2022.

Meanwhile he worked on project "A study on the impact of green banking practices on bank's environmental performance with special reference to Bangalore city" with special reference to state bank of India.

We found he a self motivated, punctual and hardworking. His performance was efficient.

We wish his Best of luck for his future career.

For STATE BANK OF INDIA

MHS Road, Kar

Chief Manager

### KAMMAVARI SANGHAM (R), 1952

# K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Darshan A bearing USN:1KG20BA012 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on the Impact of Green Banking Practices on Bank's Environmental Performance with special reference to Bangalore City at SBI" is prepared by him under the guidance of Prof. Roopa Balavenu, Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD-MBA, Prolessor & HOD-MBA,

K.S. School of Engineering & management, #15, Mallasandra, Off, Kanakapura Road,

Sengalury - 580, 109

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Dr. Shekar. H.S KSSEM, Bangalore

Name & affiliation

"A Study on Cash Management at Beloorbayir Biotech Ltd"

By

### DATTAKUMARA K N 1KG20BA013

Submitted to

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



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

# MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

# INTERNAL GUIDE

Dr. Shekar H S

Professor & Head of the Department

Department of Management Studies

KS School of Engineering and Management

## EXTERNAL GUIDE

Mr. Praveen shastry P M Asst. Finance Manager Beloorbayir Biotech Ltd



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU- 560109

JULY 2022



# beloorbayir biotech ltd.

Regd. Office: # 564. 4th Cross, Kempegowda HBCS, Opp: Water Tank Park. Kathriguppe. Banashankari 3rd Stage, Bengaluru - 560 085

↑91-80-43489900 upto 99 info@bayirextracts.com www.beloorbayir.com

CIN: U73100KA2005PLC035741

## **CERTIFICATE**

This is to certify that Mr. Dattakumara K.N. (USN No:1KG20BA013) Student of MBA 4<sup>th</sup> Sem from K S School of engineering and Management #15/1, Mallasandra, Near vajarahalli, Kanakapura Road, Banagalore -560109.

He has successfully completed his project in our esteemed "Organization study on Cash Management at Beloorbayir Biotech Ltd" from 26-Mar-22 to 07-May-22.

During this period his character was good. We wish him all success in his future endeavours.

Regards

For Beloorbayir Biotech Ltd.

(Praveen Shastry P M)

Asst. Finance Manager

# GSIM.

# KAMMAVARI SANGHAM (R), 1952 K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road Bengaluru - 560 109, www.kssem.edu.in Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob. 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Datta Kumara K N bearing USN 1KG20BA013, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi, Project report on "A Study on Cash Flow Management at BELOORBAYIR BIOTECH" is prepared by him under the guidance of Dr.Shekar H.S, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Bengaluru - 560 109

Date: 29/10/22

Signature of Internal Examiner

Name & affiliation

Dr. Shekar. H.S

KSSEM, Bangalore

Signature of External Examiner
Name & affiliation

"A Study On Employee Retention Techniques at Shri Lakshmi Steel Suppliers Pvt.Ltd"

> By DEEKSHA DATTA USN: 1KG20BA014

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

### INTERNAL GUIDE

Dr. Shekar H S

Professor & Head of the Department

Department of Management Studies

KS School of Engineering and Management

#### **EXTERNAL GUIDE**

KH Mahesh Kumar

Senior executive HR

Shri Lakshmi steel suppliers



Department of Management Studies K. S. SCHOOL OF ENGINEERING ANDMANAGEMENT BENGALURU- 560109 (July - 2022)



Date: 06-may-2022

#### Internship certificate

Subject: Project completion Letter at Shri Lakshmi steel suppliers Pvt. ltd.

This is to certify that Ms. Deeksha Datta USN No:1KG20BA014 studying Master of Business Administration at KS School of Engineering and Management under Visvesvaraya Technological University, Belgaum has successfully completed the project "A Study On Employee Retention Techniques at Shri Lakshmi steel suppliers pvt ltd," between 26-Mar-22 to 07-May-22.

Regards

Shri Lakshmi Steel Suppliers.

For Shri Lakshmi Steel Supplyace

Authorised Signatory

K H Mahesh Kumar

Senior executive HR



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in.

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Deeksha Datta bearing USN 1KG20BA014, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 butch. affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Employee Retention Techniques at SHRI LAKSHMI STEEL SUPPLIERS" is prepared by her under the guidance of Dr.Shekar H.S, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal Director

K S School of Engineering and Management

Bengaluru - 560 109

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation Shekar H. S

8. School of Management

Signature of External Examiner

Name & affiliation

SLATAS PATEL ALT, Bluze

110

"A Study On Customer Satisfaction At Axis Bank"

#### By GADDAM PAVAN IKG20BA016

# Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE
PROF. RUPA C DAS
ASSISTANT PROFESSOR
DEPARTMENT OF MANAGEMENT STUDIES
KSSEM, BANGLORE

EXTERNAL GUIDE
ASHOK KUMAR T
BRANCH MANAGER
AXIS BANK, ANANTAPUR



Department of Management Studies
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
July - 2022



#### TO WHOM SO EVER IT MAY CONCERN

17/06/2022

#### **Project Certificate**

This is to certify that Mr. Gaddam Pavan, bearing registration number 1KG20BA016 from K.S School of Engineering and Management Bangalore, has successfully completed his project titled "A Study of Customer Satisfaction" in the marketing department with our organization for 6 weeks starting from 1 Apr 2022 to 16 May 2022.

We wish him all the success in future endeavors.

Ashok Kumar T

Branch Manager-

Anantapur

Branch ID:332 Address: No 1946, Nithin Complex, Subhash Road, Saptagiri Circle, Anantapur, Andhra Pradesh, 515001 Contact Number:18605005555 Pincode:515001



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. GADDAM PAVAN bearing USN 1KG20BA016, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project "A Study Of Customer Satisfaction at Axis Bank, Anantapur -Andhra Pradesh" is prepared by her under the guidance of Prof. Rupa Chatterjee Das. in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Adiasan na Eli Kanikupula Rosd. Annaly - 560 100

Signature of Principal Dr. K. RAMA NAR

Principal/Director K S School of Engineering and Management

Bendaluru - 560 169

Viva-voce Examination

Date: 28 10 2022

Signature of Internal Examiner

Name & affiliation

AP-KSSEM-MISA.

Signature of External Examiner

Name & affiliation

Dr. M. Sendling trames

AP, AZT - MBA.

on

"A STUDY ON IMPACT OF ADVERTISEMENT ON SALES PERFORMANCE AT THE CARL BECHEM LUBRICANT INDIA PVT LTD"

#### By GAGANASHREE G R 1KG20BA017

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE PROF.RUPA C DAS ASSISTANT PROFESSOR KSSEM, BANGLORE

EXTERNAL GUIDE

Mr. MAHESH KUMAR

HR MANAGER

CARL BECHEM

LUBRICANTS PVT LTD, BIDADI



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
(May - 2022)



CARL BECHEM LUBRICANTS (INDIA) PRIVATE LIMITED, Bangalore

CARL BECHEM LUBRICANTS (INDIA) PRIVATE LIMITED

28-D, Bidadi Industrial Area, Bidadi-Harohalli Main Road, Bangalore - 562 109

Bangalore - 562 109
Tel. +91 80 6690 0800 / 01 / 02,
Fax +91 80 6690 0803

E-mail: info@bechemindia.com CIN: U23201KA2003PTC032976 www.bechemindia.com

7 May 2022

#### **Project Certificate**

This is to certify that Ms. Gaganashree G R bearing registration number 1KG20BA017 from K S School of Engineering and Management has undergone A Study on Impact of Advertisement on Sales Performance at our organization between 26 March 2022 to 7 May 2022.

During the period of the said programme she was exposed to different areas and was found diligent, hardworking and inquisitive.

We wish her every success in her life and career.

For Carl Bechem Lubricants (1) Private Limited

Mahesh Kumar K

Dy. Manager - Human Resource

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road,

Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Gaganashree G. R. bearing USN 1KG20BA017. is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Impact of Advertisement on Sales Performance at Carl Bechem Lubricants Pvt. Ltd., Bidadi" is prepared by her under the guidance of Prof. Rupa Chatterjee Das, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOLD

Mulessur & HUD-MBA.

K.S. School of Exposer no Emanagement Maralangia III Rahakapura Ross

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal Director K S School of Engineering and Management

Viva-voce Examination

Date: 28 10 2022

Signature of Internal Examiner

Name & affiliation

WASEM - MBA

Signature of External Examiner

Name & affiliation

Dr.M. Sendhit Kumac

AP, AIT-MBA.

on

"A Study on Customer Perception with Reference to the Products and Services at E K
Retail"

By Geethanjali D USN: 1KG20BA018

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE

Prof. Rupa C Das

**Assistant Professor** 

Department of Management Studies KS school of engineering and management **EXTERNAL GUIDE** 

Prashanth Krishnappa

E K Retail

Customer Relationship Manager



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
(JULY - 2022)

#### E. K. Retail

EK Retail 1st Main, JP

Nagar, Bangalore - 560078

#### **Project Certificate**

This is to certify that Ms. Geethanjali. D Bearing registration number IKG20BA018 from K.5 School of Engineering and Management has successfully completed her project titled." A STUDY ON CUSTOMER PERCEPTION WITH REFERENCE TO THE PRODUCTS AND SERVICES AT E K RETAIL." at our company for the period of 6 weeks from 26-Mar-2022 to 07-May-2022.

She was exposed to various areas during the duration of the program and was deemed to be conscientious, hardworking, and curious.

We wish her the best of luck in her future career.

Regards,

EK Retail, Bangalore

Prashanth Krishnappa

Title: Customer Relationship Manager

Geethay-ChD
Intern Signature



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road,

Bengaluru - 560 109, www.kssem.edu.in Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Geethanjali. D bearing USN 1KG20BA018, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study On Customer Perception With Reference To The Products And Services At EK RETAIL, Bengaluru" is prepared by her under the guidance of Prof. Rupa Chatterjee Das, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

of Internal Guide

k S. School of Engineering & management,

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

Viva-voce Examination

Date:

Signature of Internal Examiner

Name & affiliation

P-KSSEM-MBA.

Signature of External Examiner

Name & affiliation

Dr. M. Sendhol Kumar, AR ART-MAD.

on

### "A STUDY ON CASH FLOW ANALYSIS AT METRO CASH AND CARRY INDIA PVT LTD"

#### By GONUGUNTLA SANDEEP 1KG20BA019

#### Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

INTERNAL GUIDE DR SHEKAR H S PROFESSOR & HEAD OF THE DEPARTMENT KSSEM, BANGLORE

EXTERNAL GUIDE APPORVA D HR MANAGER METRO CASH AND CARRY, BANGLORE



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 (May - 2022)

METRO Cash & Carry India Pvt.Ltd.

Survey No36/28 Pattanagere Village, Kengeri Hobli. Bangalore-560059, India CIN U51909KA2001PTC028483

#### TO WHOM SO EVER IT MAY CONCERN

08/05/2022

#### Project Certificate

This is to certify that Gonuguntla Sandeep bearing registration number "IKG20BA019" from KS School of Engineering and Management" has carried out his project work from 26-03-2022 to 07-05-2022 in our organization under the guidance of Ms Apoorva D, HR Manager, submitted report on "A Study on Cash Flow Analysis at Metro Cash & Carry"

India Bangalore.

During the period of the said programme, he was exposed to different areas and was found diligent, hardworking and inquisitive.

We wish his all the success in future endeavours

Tro.

HR Operations.

Metro Cash & Carry India Pvt Ltd.





# K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Gonuguntla Sandeep bearing USN 1KG20BA019, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Cash Flow Analysis at METRO CASH AND CARRY" is prepared by him under the guidance of Dr.Shekar H.S, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

K.S. Schoold Englishing & management. #15, Mailbeant State Hanakapura Fload. Ber Jaruru - 560 109.

Signature of Principal

Dr. K. RAMO NARASIMITA Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

Date: 29

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Dr. Shekar. H. S KSSEM, Bangalore g. all 29 (10 /2022

Signature of External Examiner Name & affiliation

on

#### "A COMPARATIVE STUDY ON GOLD LOANS AND ADVANCES IN MANAPPURAM FINANCE LTD"

By **K.MOHANRAJ** 1KG20BA020

#### Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

INTERNAL GUIDE DR SHEKAR H S PROFESSOR & HEAD OF THE DEPARTMENT KSSEM BENGALURU

EXTERNAL GUIDE

R AJITH

MANAGER

MANAPPURAM FINANCE

PVT LTD CHITTOOR

ANDHRAPRADESH



**Department of Management Studies** K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 (July - 2022)



# MANAPPURAM

Make Life Easy

Date:7/5/2022

## TO WHOMSOEVER IT MAY CONCERN

This is certify that MR.K.MOHAN RAJ( Reg No: 1Kg20BA020) a student of MBA in K.S school of engineering & management, Bangalore has Satisfactory completed 6 weeks (26th Mar 2022 TO 7th May 2022) PROJECT IN STUDY ON GOLD LOANS AND ADVANCES in our MANAPPURAM FINANCE LTD

During his training he was found to be sincere and hardworking .He evinced keen interest in learning and involved his in all aspects of his study.

We wish his all the success in his future endeavors.

MANAPPURAM FINANCE LTD.

Authorized Signatory





Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. K Mohan Raj bearing USN 1KG20BA020, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Gold Loans and Advances at Manappuram Finance Limited" is prepared by him under the guidance of Dr.Shekar H.S, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

and management, - Bura Road.

1 < Caro Signature of Principal

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

Date: 29 10 22

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Dr. Shekar. H. S KSSEM, Bangalore

f. 9/10/2022

Signature of External Examiner Name & affiliation

# PROJECT REPORT (20MBAPR407) ON "A STUDY ON AUDIT PROCEDURE AT A GRSRA & CO, BENGALURU"

By KEERTHANA.C 1KG20BA022

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE

Prof. Arundathi K L
Assistant Professor
K S School of Engineering and Management

EXTERNAL GUIDE

S. Govinda Rao Founder & partner GRSRA & CO



Department of Management Studies
K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
JULY 2022



Date: 16th May 2022

## Company Certificate

To whom so it may concern

This is to certify that MS. KEERTHANA C USN(1KG20BA022) student pursuing MBA in K S school of Engineering and Management, has done her project work on "A Study on Audit procedure at GRSRA & CO, Bengaluru" This project is carried for a period of six weeks starting from 1st April 2022 to 16th May 2022.

During the above period the performance of Ms. KEERTHANA.C has been hardworking and satisfactory.

We wish you all the best for the future endeavors.

GRSRA & CO.

Seal and signature S Govinda Rao

(Founder and partner)

Place: Bangalore

www.grsra.com

#178, 1<sup>st</sup> Floor 5<sup>th</sup> Main 4<sup>th</sup> Cross J P Nagar, 3<sup>rd</sup> Phase Bangalore-560078

Email: grsraco@gmail.com

Tel: 080 26598989





Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. KEERTHANA. C bearing USN 1KG20BA022, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Audit procedure at GRSRA & CO, Bengaluru" is prepared by her under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

K.S. School of Engineering & management.

15. Malias arma Cili Panakapura Road.

Signature of Principal

15. Como 1

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Managemen

Viva-voce Examination

Signature of Internal Examiner

Name & Affiliation

Dr. Shekar. H. S Kssem, Bangalore

Signature of External Exami

Name & Affiliation

"A Study on Portfolio Management at Hiline Polymers LLP, Bengaluru"

#### By KRUTHIKA A 1KG20BA023

#### Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfillment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

**INTERNAL GUIDE** Prof. Arundathi K L **Assistant Professor** K S School of Engineering and Management

EXTERNAL GUIDE Siddaraju G Finance Manager Hiline Polymers LLP



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 **JULY 2022** 



# HILINE POLYMERS LLP

Reg: 146/01, 1st main KHB Main Road, Manorayanapalya, RT Nagar Post, Bangalore, Bangalore, Karnataka, 560032, India.

Branch: 18 Sumuka Nivas APC Circle Jigani Industrial Area Opp Canara Bank Anekal TQ Blore

E mail: hipolymers.llp@gmail.com Con: 080-42133330 M: 9900000506

## CERTIFICATE

This is to certify that Ms. KRUTHIKA A (USN: 1KG20BA023) from K S School of Engineering and Management, Bangalore, Karnataka has successfully completed an internship project titled "A STUDY ON PORTFOLIO MANAGEMENT" with "HILINE POLYMERS LLP" in partial fulfilment of the requirement for the MBA from Visvesvaraya Technological University (VTU) for a period of Six (6) weeks from 28th March 2022 to 6th May 2022.

During the above period performance of Ms. Kruthika, A (USN:1KG2BA023) has been very good and satisfactory.

We wish her All the very Best

Date: 06/05/2022

Place: Bangalore

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. KRUTHIKA A bearing USN IKG20BA023, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Portfolio Management at Hilinė Polymers LLP, Bengaluru" is prepared by her under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD

Signature of Principal

Dr. K. RAMA NARA Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Signature of Internal Examiner

Name & Affiliation

Dr. Shekar. H. S KSSEM, Bangalore

Signature of External Examiner Name & Affiliation

On

"A Study on Customer Satisfaction of Millet Food Marketing at Aiisiri"

By; Manju Manish Reddy M USN: 1KG20BA024

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfillment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE Prof. Rupa Chatterjee Das Assistant Professor KSSEM EXTERNAL GUIDE Tilak Shankar Marketing Manager Aiisiri Millet Health Mix



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
(July- 2022)



#### AIISIRI MILLET HEALTH MIX

Maruthi Plaza, #17, First Floor,

2nd Main Road, Vyalikaval, Bangalore - 560003

DATE: 15th May 2022

NAME: MANJU MANISH REDDY M CONTACT NUMBER: 7022269909

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Manju Manish Reddy M from K S School of Engineering and Management Bangalore has successfully completed his Project titled "A study of customer Satisfaction" In Aiisiri Millet Health Mix and marketing department with our organization for 6 weeks starting 1<sup>st</sup> April 2022 to 15<sup>th</sup> May 2022. You are required to report to the person in charge, TILAK SHANKAR for orientation and subsequent placement of these days.

His conduct and commitment during the project was found to be GOOD.

We wish him all the best in his future endeavors.

Yours faithfully

Name: Sathish R

MANAGING DIRECTOR

AIISIRI MILLET HEALTH MIX



Approved by AJCTE-1-5279601, Affiliated to VTU, Belagavi # 15. Near Vajarahalli. Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu in Tel: +91 80 28425012/013/163, Fax +91 80 28425164, Mob. 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Manju Manish Reddy M bearing USN 1KG20BA024, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Customer Satisfaction of Millet Food Marketing at Aiisiri. Bengaluru" is prepared by him under the guidance of Prof. Rupa Chatterjee Das. in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Internal Guide

Signature of Principal

and Management

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Signature of External Examiner

Name & affiliation

ADT - MBA

on

"A Study on Impact of Organization Culture on Employees Job Performance at AKARMAXS TECH PVT. LTD"

By

MONIKA.V

USN: 1KG20BA025

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

## INTERNAL GUIDE

Dr. Shekar H S

Professor & Head of the Department

Department of Management Studies

K S School of Engineering and Management

EXTERNAL GUIDE

Mrs. Jovitha.J.

HR Manager

Akarmaxs Tech Pvt Ltd



Department of Management Studies

KS. SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU- 560109

July - 2022





Date: 06-May-2022

#### INTERNSHIP CERTIFICATE

Subject: Internship and Project completion Letter on the topic of "Impact of Organization culture on Employees Job Performance"

This is to certify that Ms. Monika.V - USN No:1KG20BA025 studying Master of Business Administration KS School of Engineering and Management under Visvesvaraya Technological University, Belgaum has successfully completed the internship project in AKARMAXS TECH PVT LTD, Bangalore from 26-Mar-22 to 07-May-22.

Yours Sincerely

Accounts Department

Akarmaxs Tech Pvt Ltd

Bangalore

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Monika.V bearing USN 1KG20BA025, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Impact of Organization Culture on Employees Job Performance at AKARMAXS TECH PVT.LTD" is prepared by her under the guidance of Dr.Shekar H.S. in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Quide

Signature of HOD

1<. Com & Signature of Principal

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

Viva-voce Examination

Internal Examiner Signature

Name & affiliation

K.S. School Q

Signature of External Examiner Name & affiliation

SUHAS PATEL AIT, BILORE

A STUDY ON "CUSTOMERS USAGE BEHAVIOUR AND SATISFACTION TOWARDS CREDIT CARD AT BAJAJ FINANCE LIMITED, BENGALURU"

> By MUTHURAJU.G USN: 1KG20BA026

## Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE

Prof. Arundathi KL

Assistant Professor

Ks School Of Engineering And Management

EXTERNAL GUIDE

Mr Venkatesh

Finance Manager

Bajaj Finance Limited



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109

**JULY 2022** 



Date:11/07/2022

#### **CERTIFICATE**

This is to certify that Mr. MUTHURAJU G. (USN No:1KG20BA026) Student of MBA 4<sup>th</sup> Sem from K S School of engineering and Management #15/1, Mallasandra, near Vajarahalli, Kanakapura Road, Banagalore -560109. has undergone an internship with us from 26/03/2022 to 7/05/2022

He has successfully completed his project on "A Study On Customers Usage Behaviour and Satisfaction Towards Credit Card at Bajaj Finance Limited, Bengaluru "in our esteemedOrganization Bajaj Finance Limited, Bengaluru

During this period his character was good. We wish him all success in his future endeavours.

**BAJAJ FINANCE LIMITED** 

01 to 805, 8th Floor, Prestige Towers, Bangalore - 560025,

egistered Office: Mumbai - Pune Road, Akurdi, Pune - 411 035, Maharashtra, India Diporate Office: 4th Floor, Bojoj Finsery Corporate Office, Off Pune Ahmednagar Road, Iman Nagar, Pune - 411 014, Maharashtra, INDIA

Corporate ID No. L65910MH1987PLC042961





Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road. Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob. 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. MUTHURAJU G bearing USN 1KG20BA026, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on A Study on "Customers Usage Behaviour and Satisfaction towards Credit Card at Bajaj Finance Limited, Bengaluru" is prepared by him under the guidance of Arundathi K L, Assistant Professor, in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of Principal

Dr. K. RAMA NARASIMHA

may but north Managers

Viva-voce Examination

Date: 28 to 20 22

Name & Affiliation

Arundatli Kh.

KREM.

Signature of External Examiner

Name & Affiliation

Dr. M. Seadhilkumer, AF

AT7-MBA

on

"A STUDY ON IMPACT OF WORKING CAPITAL ON THE PROFITABILITY OF THE CARL BECHEM LUBRICANT INDIA PVT LTD"

#### By NISHCHITHA K R 1KG20BA027

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE PROF.ROOPA BALAVENU ASSISTANT PROFESSOR KSSEM, BANGLORE EXTERNAL GUIDE
Mr. MAHESH KUMAR
HR MANAGER
THE CARL BECHEM
LUBRICANTS PRIVATE
LTD, BIDADI



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU- 560109

(May - 2022)



CARL BECHEM LUBRICANTS (INDIA) PRIVATE LIMITED, Bangalore

CARL BECHEM LUBRICANTS (INDIA) PRIVATE LIMITED 28-D, Bidadi Industrial Area, Bidadi-Harohalli Main Road, Bangalore - 562 109 Tel. +91 80 6690 0800 / 01 / 02, Fax +91 80 6690 0803 E-mail: info@bechemindia.com CIN: U23201KA2003PTC032976 www.bechemindia.com

7 May 2022

#### **Project Certificate**

This is to certify that Ms. Nishchitha K R bearing registration number 1KG20BA027 from K S School of Engineering and Management has undergone A Study on Impact of Working Capital on the Profitability of the firm at our organization between 26 March 2022 to 7 May 2022.

During the period of the said programme she was exposed to different areas and was found diligent, hardworking and inquisitive.

We wish her every success in her life and career.

For Carl Bechem Lubricants (I) Private Limited

Mahesh Kumar K

Dy. Manager - Human Resource



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Nishchitha K R bearing USN:1KG20BA027 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "An Empirical Study of the Impact of Working Capital on Profitability of the Carl Bechem Lubricants India Private Ltd. at Bengaluru" is prepared by her under the guidance of Prof. Roopa Balavenu, Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD Professor & HOD-MBA.

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Bengaloro - 56/1/04

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Dr. Shekar. H. S KSSEM, Bangalore

folk 29/10/22.

Signature of External Examiner Name & affiliation

on

# "A STUDY ON BRAND AWARENESS AND PERCEPTION AT TATA AIG LIFE"

By Navyasree P USN: 1KG20BA028

# Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfillment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE
Prof. V Vidyashree
Assistant Professor
Department of Management Studies
K S School of engineering and management

EXTERNAL GUIDE Jagadeesh N Tata AIG Life Branch Manager



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
BENGALURU- 560109
JULY - 2022



#### TO WHOM SO EVER IT MAY CONCERN

20/06/2022

#### Project certificate

This is to certify that Ms. Navya Sree P, from K.S School of Engineering and Management Bangalore, has successfully completed her project titled "Brand Awareness and Perception of Tata Aig Life" in the marketing department with our organization for 6 weeks starting from 1 Apr 2022 to 16 May 2022.

TATA AIG INSURANCE COMPANY LIMITED, Building No 14-309 & 310, Sreeram Enclave, 2nd Floor, No

We wish her all the success in future endeavors.



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. Pathipati Navyasree, 1KG20BA028 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Brand Awareness and Perception at TATA AIG life" is prepared by her under the guidance of Ms. V. Vidyashree, Assistant Professor, Department of Management Studies, KSSEM in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

seedus y bir.v Signature of Internal Guide

Signature of HOI VIII

K.S. School of Engineering & management. in the Col Kanakapura Road,

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal/Director K S School of Engineering and Management

Viva-voce Examination

Date:

28/10/22

Signature of Internal Examiner

Name & affiliation V.VIDYASHREG

PROFFSSOR ASSISTANT

KSSEM

Signature of External Examiner Name & affiliation

> SUHAS PATEI AIT, B'lore.

# A study on performance evaluation on selected equity mutual funds SUBMITTED BY

Pawan N
(1KG20BA029)

SUBMITTED TO



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI

IN PARTIAL FULFILLEMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF

MASTER OF BUSINESS ADMINISTRATION

UNDER THE GUIDANCE OF

# INTERNAL GUIDE

ROOPA BALAVENU (ASSIT PROFESSOR)

#### EXTERNAL GUIDE

VISHAL GOUSAL (UNIT MANGER)



# DEPARTMENT OF MBA

KS SCHOOL OF ENGINEERING AND MANAGEMENT

Holiday Day Village Road Vajarhalli, Kankpura Main Road, Bangalore

SUBMISSION ON: 20, JULY, 2022

Ref. No.: HR/REC01/TR8861/25052022/09450

Date: 25th May 2022

#### CERTIFICATE

This is to certify that Mr. PAWAN N student of K S SCHOOL OF ENGINEERING AND MANAGEMENT has successfully completed his project on "PERFORMANCE EVALUATION OF EQUITY SCHEMES IN MUTUAL FUNDS". The project period was from 31st March 2022 to 12th May 2022.

During this period he was found to be regular and hard working. We wish him all the Best in his future endeavours.

Vatsal Soni

(Deputy General Manager - Human Resource)

This Letter is digitally generated and does not require signature.

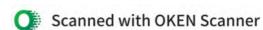
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STOCK BROKING | DEPOSITORY SERVICES | NPS

FINANCIAL PRODUCT DISTRIBUTION: MUTUAL FUNDS | LOANS | PMS | REAL ESTATE

NJ India Invest Private Limited, Registered & Corporate Office: Block No. 901 & 902, 6th Floor, B Tower, Udhna Udyognagar Sangh Commercial Complex, Central Road No. 10, Udhna, Surat - 394 210, Gujarat. ower, ugnna ugyoynayar sangn oonnissaa sonnjas, sonna noad ao. 10, ugnna, surat - 394 210, dujarar. Phone: 0261 4025901 | E-mail: email@njgroup in | Website: www.njwealth.in | CIN: U67120GJ2000PTC037674





Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Pawan N bearing USN:1KG20BA029 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Performance of selected Equity Mutual Funds at NJ Wealth in Bengaluru" is prepared by him under the guidance of Prof. Roopa Balavenu, Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

unakabura Road.

Signature of Principal

Principal/Director

by and Management

Viva-voce Examination

Signature of Internal Examiner Name & affiliation

Dr. Shekar. H. S KSSEM, Bangalore

Signature of External Examiner Name & affiliation

"A Study on store layout design and consumer buying behavior at MERTO CASH AND CARRY"

> By RAKESHA G USN: 1KG20BA030

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

### INTERNAL GUIDE

Prof. V. Vidyashree

**Assistant Professor** 

#### **EXTERNAL GUIDE**

Miss. Apoorva D

Metro cash & carry

HR Manager

**Department of Management Studies** KS School of Engineering and Management



**Department of Management Studies** K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 (May - 2022)

METRO Cash & Carry India PVLLtd.
Survey No36/28
Pattanagere Village, Kengeri Hobli.
Bangalore-560059, India
ON U51909KA2001PTC028483

# TO WHOM SO EVER IT MAY CONCERN

08/05/2022

### **Project Certificate**

This is to certify that RAKESHA G bearing registration number "1KG20BA030" from KS School of Engineering and Management" has carried out his project work from 26-03-2022 to 07-05-2022 in our organization under the guidance of Ms Apoorva D, HR Manager, submitted report on "A Study on Store layout at Metro Cash & Carry" India Bangalore.

During the period of the said programme, he was exposed to different areas and was found diligent, hardworking and inquisitive.

We wish his all the success in future endeavours

Apoorva D

HR Operations.

Metro Cash & Carry India Pvt Ltd.







Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Rakesha G. 1KG20BA030, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A study on Store layout at Metro cash and carry " is prepared by him under the guidance of Ms. V. Vidyashree, Assistant Professor, Department of Management Studies, KSSEM in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

v. vidyashee Signature of Internal Guide

Professor & HUD-MBA,

K.S. School of Engineering & management. #15, Maliasandra, Off, Kanakapura Road,

Bengaluru - 350 109

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Date:

Signature of Internal Examiner

Name & affiliation

V.VIDYASHREE

ASSISTANT PROFESSOR

KSSEM

Signature of External Examiner

Name & affiliation

SUHAS PATEL ASSH:P

"A Study On Consumer Behavior at ShriLakshmi Steel Suppliers pvt.ltd"

By RAMYA G USN: 1KG20BA031

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfillment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

# INTERNAL GUIDE

Prof. V. Vidyashree

Assistant Professor

Department of Management Studies

KS school of engineering and management

## EXTERNAL GUIDE

K H Mahesh Kumar

Senior executive HR

Shri Lakshmi steel suppliers



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 (July - 2022)



Date: 06-may-2022

#### Internship certificate

Subject: Project completion Letter at Shri Lakshmi steel suppliers Pvt.ltd.

This is to certify that Ms. Ramya G USN No:1KG20BA031 studying Master of Business Administration at KS School of Engineering and Management under Visvesvaraya Technological University, Belgaum has successfully completed the project "A Study On Consumer Behavior at Shri Lakshmi steel suppliers pvt ltd," between 26-Mar-22 to 07-May-22.

Regards

Shri Lakshmi Steel Suppliers.

For Shri Lakshmi Steel Suppliars

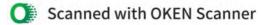
K H MahashhkrimuhBignatory

Senior executive HR

RANGALORE SOLUTION OF SOLUTION

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No. 305, 3rd Floor, Pride Hulkul, Lalbagh Road, Bangalore – 560027. Ph.: 080 22534700 / 22270919 email: sales@sigroup.in web: www.shrilakshmisteel.in



#### CERTIFICATE

This is to certify that Ms.Ramya G, 1KG20BA031, is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi, Project report on "A Study on Consumer Behaviour at Shrilakshmi Steel Suppliers Pvt Ltd " is prepared by her under the guidance of Ms. V. Vidyashree, Assistant Professor, Department of Management Studies, KSSEM in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

v. vidyastace Signature of Internal Guide

a S. Strock of Engineering & management, 815 Mail. Comp. Off Reparapara Road

Signature of Principal Dr. K. RAMA NARASIMHA

Prenogast Licector K 5 School of the year day and Managemen.

Bengaluro 560 tuy

Viva-voce Examination

Date: 28/10/22

1 219 Abor 35 10 /33 Signature of Internal Examiner Name & affiliation

A'N IDMITHREE

PROFESSIOR ACCIDIANT

KCCEM

Autol 38/10/22

Signature of External Examiner Name & affiliation

ASSA. POJEWEY ASSA. POJEWEY

"A Study on Determining Social Media Marketing strategies for Paper Play"

By SHREEDHAR USN: 1KG20BA032

### Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

INTERNAL GUIDE Prof. V. Vidyashree Assistant Professor Department of Management Studies KS School of Engineering and Management EXTERNAL GUIDE Miss. Karpur Paper Play Company Founder of the company



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 (May - 2022)



#### INTERNSHIP CERTIFICATE

25 May, 2022

Subject: Project completion Letter at Paper Play

This is to certify that Mr. Shreedhar USN No. 1KG20BA032, studying Master of Business Administration at K S School of Engineering & Management under Viswesvaraya Technological University, Belgaum has successfully completed the project 'A Study on Determining Social Media Marketing for Paper Play' between 26th March, 2022 to 7th May, 2022.

Sincerely

Raksha R Karpoor

Paper Play

Founder & Managing Director



# K.S. School of Engineering and Management

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in Tel : +91 80 28425012/013/163, Fax : +91 80 28425164, Mob : 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Sreedhar N . 1KG20BA032 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Determining Social Media Marketing Strategies for Paperplay" is prepared by him under the guidance of Ms. V.Vidyashree, Assistant Professor, Department of Management Studies, KSSEM in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOI

KS School of Engineering & management.

#15, Mallasandra, Off, Kanakapura Road, Bengaluru - 560 109.

Signature of Principal

Dr. K. RAMA NARASIMHA

Principal Director

K S School of Engineering and Management

Bangaluru - 500 109

Viva-voce Examination

Date:

28/10/22

78/10/22

Signature of Internal Examiner

Name & affiliation

V-VIDYASHPEE

ASSISTANT PROPESSOR

KSSEM

Signature of External Examiner

Name & affiliation

ASSI Protellor

O

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# "STUDY ON EFFECTIVENESS OF EMPLOYEE WELFARE MEASURES AT STOVEKRAFT LTD HAROHALLI"

By SOUNDARYA M USN: 1KG20BA033

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

INTERNAL GUIDE PROF. SREEDHAR. N KSSEM, BANGALURU EXTERNAL GUIDE Saraswathi D K HR manager Stovekraft Ltd



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT July - 2022



DATE: 19/07/2022

# CERTIFICATE

This is to certify that Ms. Soundarya M with USN 1KG20BA033 pursuing her Master in Business Administration at K 5 School of Engineering and Management, Visvesvaraya Technological University, Belagavi, has successfully completed her Project work on Effectiveness of Employee Welfare Measures at Stove Kraft Ltd., from 01/05/2022 to

She was disciplined and displayed keen interest in learning the HR aspects during her training

We wish her great success in her future endeavours.

For Stove Kraft Ltd.













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Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. SOUNDARYA M bearing USN 1KG20BA033 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Effectiveness of Employee Welfare Measures at Stovekarft Ltd" is prepared by her under the guidance of Prof. Sreedhar. N in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD-MBA,

K.S School of Engineering & management. #15, Mallasandra, Off, Kanakapura Road, 560 109

Signature of Principal

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Management

Bengaluru - 580 109

Date:

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Grudher M.

28/10/22

Signature of External Examiner Name & affiliation

> SUHAS PATEL AIT, B'lore

On

"AN EMPIRICAL STUDY ON CUSTOMER AWARENESS ON FIRE INSURANCE POLICIES WITH SPECIAL REFERENCE TO PARSONS NUTRITIONALS PVT LTD"

By Sumanth II C USN: 1KG20BA034

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE

EXTERNAL GUIDE

Prof. Roopa Balavenu

Mr.Chidanand Salagare

**Assistant Professor** 

Assistant manager

Management Studies KS School of Engineering and Management



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 July 2022

# PARSONS NUTRITIONALS PRIVATE LIMITED

Plot No. 319C, 320 A & B and 321, 2nd Phase, Harohalli Industrial Area. Kanakapura Tq., Ramanagar Dist - 562112, Karnataka,

e-mail: hrm@parsonsnutritionals.in web: www.mannventures.com

CIN: U65311DL2002PTC115025



20 June 2022

#### **Project Certificate**

This is to certify that Mr. Sumanth H C bearing registration number 1KG20BA034 from K S School of Engineering and Management has undergone "An Empirical Study on Customer Awareness on Fire Insurance Policies with special reference to Parsons Nutritionals Private Limited. Harohalli, From 26th March 2022 to 12th May 2022.

During the period of the said programme he was exposed to different areas and was found diligent, hardworking and inquisitive.

We wish him every success in his life and career.

For Parsons Nutritionals Pvt Ltd



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road. Bengaluru - 560 109, www.kssem.edu.in Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob. 8884444468 ( 96695566)

#### CERTIFICATE

This is to certify that Mr. Sumanth H C bearing USN:1KG20BA034 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch. affiliated to Visvesvaraya Technological University, Belagavi. Project report on "An Empirical Study On Customer Awareness On Fire Insurance at Parsons Nutritionals Pvt. Ltd, Bengaluru" is prepared by him under the guidance of Prof. Roopa Balavenu, Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HO

ngå menagement. vi. v. anakabu/a Road.

15.8000 Signature of Principal

RAME WITH SUMPLE Principal/Director

K S School of Engineering and Management

Viva-voce Examination

Signature of Internal Examiner

Name & affiliation

Dr. Shekar H.S KSSEM, Bangalore Signature of External Examiner Name & affiliation

A Study on "Impact of Green HRM practice on Employee job satisfaction at Nebo technical service private limited"

> By SUPREETHA H A 1KG20BA035

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

INTERNAL GUIDE

EXTERNAL GUIDE

Prof. Sreedhar. N. **KSSEM Bangalore** 

Arun HR Manager Nebo technical service Private limited Bangalore



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 JULY - 2022

# Crimical Service Private Limited

No. 5, 25th Main, 41st Cross, 9th Block, Javanagar, Bangalore - 560 069. Landmark : Near Jain College www.nebo.co.in Email ankitha nebo.co.in

Mob : +91 6366616655 CIN No : U29100KA2019PTC122335

# NEBO TECHNICAL SERVICE PRIVATE LIMITED

Date: 26th March 2022

# TO WHOMSOEVER IT MAY CONCERN

Name: SUPREETHA. HA

Emp.ID: Temp 021 (Intern)

Designation: HR-Trainee Executive

Place: Bangalore

Subject: Project Report on the Topic Impact of Green HRM practices on Job Satisfaction.

Dear Ms. SUPREETHA. HA

This is certifying that Ms. SUPREETHA. HA been associated with our organisation from 26th March 2022 to May 07th 2022.

We have pleasure in informing you that, you are being Identified to work as Intern Trainee in Our esteemed organisation for period of 6 - weeks starting from 26th March 2022.

While on assignment, you will observe and respect the rules and regulations with regards to working hours, discipline and work norms, as applicable to Nebo Technical Services India Ltd. You will devote yourself exclusively to the business of the company.

You will not at any time without the consent of the Business Head of the company, disclose or make public, except on legal obligations any information regarding the company affairs or administration or development / research carried out whether the same may be confined to you or become known to you in the course of assignments.

Please return a signed copy of this letter as an acknowledgement of the above terms and conditions.

We wish you all the best during the deputation period.

For Nebo Technical Service PVT LTD.

Arun Kumar Dorai

Director - HR

Employee Signature: Sty scello



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 019, www.kssem.edu.in Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408

#### CERTIFICATE

This is to certify that Ms. SUPREETHA H A bearing USN 1KG20BA035 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Impact of Green HRM Practices on Employee Job Satisfaction at Nebo Tech Service Pvt Ltd" is prepared by her under the guidance of Prof. Sreedhar. N in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of Principal

Viva-voce Examination

28/10/22 Date:

Signature of Internal Examiner

Name & affiliation

KSSEr

Signature of External Examiner

Name & affiliation SUHAS PATE LASSIPIOSEVA)

28/10/22

AIT, Blore.

"A Study on Career Planning and Development at Tasa Foods Pvt Ltd"

By V S BHAVI 1KG20BA038

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION Under the guidance of

# INTERNAL GUIDE

Prof. Sreedhar.N.

KSSEM, Bengaluru

# **EXTERNAL GUIDE**

Mr. Afreed

HR Manager

Tasa Foods Pvt Ltd



Department of Management Studies K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109 July - 2022



Date: 16.05.2022

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.V.S.BHAVI, (USN:1KG20MBA038) a student of MBA in K.S School of Engineering & Management has Satisfactory completed 42 Days (27<sup>TH</sup> MAR 2022 TO 7<sup>TH</sup> MAY 2022 ) Internship in "CAREER PLANNING & DEVELOPEMENT "in our TASA Foods Pvt Ltd.

During her training she was found to be sincere and hardworking. She evinced Keen interest in learning and involved her in all aspects of her study.

We wish her all the success in her future endeavors.

For TASA FOODS PVT LTD

**Authorized Signator** 

Factory: Sy. No. 117/1, 117/12, No.: 189 Kothapalle (Vil.), Basavapalle Panchayat,

Gudipaia Mandal, CHITTOOR (A.P.). PIN - 517 132. web: www.tasafoods.com

Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 019, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408

#### CERTIFICATE

This is to certify that Ms. V S BHAVI bearing USN 1KG20BA038 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Career Planning and Development at Tasa Foods Pvt Ltd" is prepared by her under the guidance of Prof. Sreedhar. N in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Signature of Internal Guide

for a HOD-MBA. K.S. School of Engineering & management. #15, Mallasandra, Off Kanakapura Road.

Bengalivy - 560 109

Signature of Principal

- Joseph Link of the component

14. Rom 6

Viva-voce Examination

Date:

28/10/12

Signature of Internal Examiner Name & affiliation

28/0/22 Signature of External Examiner

Name & affiliation

SUHAS PATEL ASST. Professor. AIT, Blire.

on

# "A STUDY ON TRAINING MANAGEMENT SYSTEM AT PAGARIYA FOOD PRODUCTS PVT PLD"

#### By TEJASWINI Y B 1KG20BA037

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

INTERNAL GUIDE Prof. SREEDHAR. N KSSEM, BENGALURU EXTERNAL GUIDE

MRS. MAMTHA BHARADWAJ

HR Manager

PAGARIYA FOOD PRODUCTS

PVT LTD



Department of Management Studies

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

BENGALURU- 560109

(July - 2022)

PAGARIYA FOOD PRODUCTS (P). LTD. An ISO 22000:2005 Certified Company

Corporate office: Pragathi Arcade, No. 243, 2nd Floor, 3rd Main Road,

Chamarajpet, Bangalore, Karnataka - 560018.

P: 080-26606204/205

CIN No: U15300KA2009PTC051190



7 MAY 2022

# PROJECT CERTIFICATE

This is to certify that Ms. Tejaswini Y B bearing registration number 1KG20BA037 from K S School of engineering and management has undergone A Study on training management system at our organization between 26th march 2022 to 7th may 2022.

During the period of the said program she was exposed to different areas and was found diligent, hardworking and inquisitive.

We wish her every success in her life and career.

For Pagariya food products Pvt ltd



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Ms. TEJASWINI Y B bearing USN 1KG20BA037 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "A Study on Training Management System at Pagariya Food Products Pvt Ltd" is prepared by her under the guidance of Prof. Sreedhar. N in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvarava Technological University, Belagavi, Karnataka.

Signature of Internal Guide

Signature of HOD Professor & HOD-MBA,

K.S School of Engineering & management, #15, Maliasandra, Off, Kanakapura Road,

Bennaluru - 560 109

14. Roma Signature of Principal

Dr. K. RAMA NARASHMHA

Principal/Director

K S School of Engineering and Management

Bengaluru - 560 109

Viva-voce Examination

Date:

28/10/22

08/10/22

Signature of Internal Examiner

Name & affiliation

Sidlat July

Signature of External Examiner

Name & affiliation

SUHAS PATEL ASST-Professor AIT, Blove.

"AN EMPIRICAL STUDY OF MUTUAL FUND INVESTOR PERCEPTION IN **BANGALORE" (FREELANCE)** 

> By **NATRAJS USN: 1KG20BA039**

Submitted to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI



In partial fulfilment of the requirements for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

Under the guidance of

EXTERNAL GUIDE

INTERNAL GUIDE

PROF. ROOPA BALAVENU ASSISTANT PROFESSOR MANAGEMENT STUDIES KSSEM, BANGALORE

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT BENGALURU- 560109



Approved by AICTE-1-5279601, Affiliated to VTU, Belagavi # 15, Near Vajarahalli, Mallasandra, off Kanakapura Road, Bengaluru - 560 109, www.kssem.edu.in

Tel: +91 80 28425012/013/163, Fax: +91 80 28425164, Mob: 8884444408 / 9606055906

#### CERTIFICATE

This is to certify that Mr. Natraj S bearing USN:1KG20BA039 is a bonafide student of Master of Business Administration course of the Institute 2020-2022 batch, affiliated to Visvesvaraya Technological University, Belagavi. Project report on "An Empirical study of Mutual Fund Investor Perceptions with special reference to Bengaluru" is prepared by him under the guidance of Prof. Roopa Balavenu, Asst. Prof., in partial fulfillment of the requirements for the award of the degree of Master of Business Administration of Visvesvaraya Technological University, Belagavi, Karnataka.

Rocal Signature of Internal Guide

Signature of HOD Prolessor & HOD-MBA,

K.S. School of Engineering & management, #15, Maltasandra Olf Kanakapura Road

Signature of Principal Dr. K. RAMA NARASIMHA

15. Boro &

Principal/Director K S School of Engineering and Management

Bengaluru - 560 109

Viva-voce Examination

Date: 29/10/22

Signature of Internal Examiner

Name & affiliation

Dr. Shekar. H. S KSSEM, Bangalore

Signature of External Examiner Name & affiliation