

Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

### "INDISIGHT"

Project Phase Report submitted in partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

EN

## COMPUTER SCIENCE AND ENGINEERING

Submitted by

Hemanth M - 1KG20CS045

J R Chandan - 1KG20CS047

Preetham K - 1KG20CS052

Kiran C D -1KG20CS056

Under the guidance of

Mrs. BELJI T

Assistant Prof, CSE,

KSSEM

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



K. S. School of Engineering and Management

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 – 2024

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY



Juana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

# "EXCESS FOOD MANAGEMENT AND DONATION APP"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of

#### BACHELOR OF ENGINEERING

IN

### COMPUTER SCIENCE AND ENGINEERING

Submitted by

Samyuktha Madhav 1KG20CS098

Sidapara Nancy Arvindkumar 1KG20CS101

Vibha M 1KG20CS118

Yashitha T 1KG20CS123

Under the guidance of

Mrs. Jayashubha J

Associate Professor

Department of Computer Science & Engineering

KSSEM, Bengaluru-56010



# K. S. School of Engineering and Management

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

#15, Maliasandra, off. Kanakapura Road, Bengaluru – 560109

2023 - 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "EXCESS FOOD MANAGEMENT AND BONATION APP" is a bonafide work carried out by:

Samyuktha Madhav	1KG20CS098
Sidapara Nancy Arvindkumar	1KG20CS101
Vibha M	1KG20CS118
Vashitha T	1KG20CS123

partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and ingineering prescribed by Visvesvaraya Technological University, Belagavi during the period of abruary 2024 to May 2024. It is certified that all the corrections and suggestions indicated for internal recsament have been incorporated. The Project Work Phase-2 Report has been approved as it satisfies the ademic requirements in report of project work prescribed for the Bachelor of Engineering degree.

gnature of the Guide (Mrs. Jayashubha J] aociate Professor, CSE KSSEM

(Signature of the HOD [Dr. K Venkata Rao] Professor & Head, CSE KSEM

KSSEM
HOD
Department of Committee Salamon Engineering
K.S School of Linguistics by A Management
Bargulery-140129

Signature of the Principal

[Dr. K Rama Narasimha]

Principal KSSEM

Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Manageme
Bengaluru - 560 100

Jnana Sangama, Belagavi - 590018



A Project Work Phase-2 (18CSP83)

Report on

"AUTOMATIC VISUAL SURVEILLANCE SYSTEM TO DETECT

DROWNING INCIDENTS IN SWIMMING POOLS"

Project Phase 2 Report submitted in partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

INI

# COMPUTER SCIENCE AND ENGINEERING Submitted by

Gautham Narkodu 1KG20CS039

Eshwar Sai Chandra 1KG20CS036

Divya Lakshmi J.H. 1KG20CS032

Chinmay N.M. 1KG20CS021

Under the guidance of Mrs.Nita Meshram

Associate Professor

Department of Computer Science & Engineering

KSSEM - 560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

K. S. School of Engineering and Management #15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 – 2024

#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE



Certified that the Project Work Phase-2 (18CSP83) entitled "AUTOMATIC VISUAL SURVEILLANCE SYSTEM TO DETECT DROWNING INCIDENTS IN SWIMMING POOLS" is a bona fide work carried out by:

Gautham Narkodu 1KG20CS039

Eshwar Sai Chandra 1KG20CS036

Divya Lakshmi J.H. 1KG20CS032

Chinmay N.M. 1KG20CS021

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 September 2023 to January 2024. It is certified that all the corrections and suggestions indicated by Mrs. Supriya Suresh, Assistant Professor, Mrs. Nita Meshram, Associate Professor, Mrs. Meena G, Associate Professor, Mrs. Nagaveni Nimbal, Associate Professor, Department of Computer Science & Engineering 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

Mrs.Nita Meshram Dr. K Venkata Rao

Associate Professor, CSE Profesor & Head, CSE

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

Signature of the Principa

Dr. K Rama Narasimha

Principal / Director

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

HOD

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

Dr. K. RAMA NARASIMHA

Department of Computer Science Engineering Principal/Director

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

Rengaluru - 560 109

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY



### Juana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

# "MUSIC GENERATION USING DEEP LEARNING"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of

#### BACHELOR OF ENGINEERING

IN

### COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

Rakshitha R

1KG20CS090

Sahana H S

1KG20CS096

Sriraksha

1KG20CS103

Vanditha

1KG20CS114

Under the guidance of

Mrs. Amitha S

Associate Professor

Department of Computer Science & Engineering

KSSEM, Bengaluru-56010



## K. S. School of Engineering and Management

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

2023 - 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "MUSIC GENERATION USING DEEP LEARNING" is a bonafide work carried out by:

Rakshitha R	1KG20CS090	
Sahana H S	1KG20CS096	
Sriraksha	1KG20CS103	
Vanditha	1KG20CS114	

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 February 2024 to May 2024. 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. Amitha S] Associate Professor, CSE KSSEM

Signature of the HOD

[Dr. K Venkata Rao] Professor & Head, CSE KSSEM

HOD Department of Computer Science Engineering
K.S. School of Engineering & Management
Bangulore-560109
Bengelore - 580 109

Signature of the Principal

[Dr. K Rama Narasimha] Principal KSSEM

Dr. K. RAMA NARASIMHA

Juana Sangama, Belagavi - 590018



A Project Work Phase-2 (18CSP83) Report on

"SmartCrop: Agriculture Crop Recommendation based on future demand"

Project Report submitted in partial fulfilment of the requirement for the

award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING Submitted by

HARSHAL V PAI 1KG20CS044

JOSHNA MJ

1KG20CS051

KAVYA S

1KG20CS055

M JESWANTH

1KG20CS060

Under the guidance of
Mrs. Amitha S
Assoc.Prof,
Department of Computer Science & Engineering
KSSEM, Bengaluru-560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
K. S. School of Engineering and Management
#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109
2023 - 2024



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

#### Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "SMARTCROP:AGRICULTURE CROP RECOMMENDATION BASED ON FUTURE DEMAND" is a bonafide work carried out by:

> HARSHAL V PAI 1KG20CS044 JOSHNA MJ 1KG20CS051 KAVYA S 1KG20CS055

M JESWANTH

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 February 2024 to May 2024. 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 a satisfies the academic requirements in report of project work prescribed for the Bachelor of

1KG20CS060

Signature of the Guide

Engineering degree.

Mrs. Amitha S. Assoc Professor, CSE

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

Dr. K Venkata Rao Professor and Head, CSE

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

Signature of the Principal

Dr. K Rama Narasimha Principal/Director

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

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Manager
Bengaturu - 560 109

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY "Janana Sangama", Belagavi-590018



Project Work Phase-2 (18CSP77) Report on

# "EV SMART CHARGING STATION"

Project Phase 2 Report submitted in partial fulfilment of the requirement for the award of the degree of

### BACHELOR OF ENGINEERING

TN

### COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

Shruthi M 1KG20CS100 Vadiraj R Nadig 1KG20CS112 Veluru Bhanuprasad 1KG20CS116 Vinay A 1KG20CS121

Under the guidance of

### Mrs.N Deepashree

Assistant Professor

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



K. S. School of Engineering and Management
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
#15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109
2023 – 2024

# K. S. School of Engineering and Management #15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109

# Department of Computer Science & Engineering



### CERTIFICATE

Certified that the Project Work Phase-2 (18CSP77) entitled "EV SMART CHARGING STATION" is a bonafide work carried out by:

Shruthi M Vadiraj R Nadig Veluru Bhanuprasad Vinay A	1KG20CS100
	1KG20CS112
	1KG20CS116
	1KG20CS121

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 January 2024 to May 2024. 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.N Deepashree Assistant Professor, CSE K.S.S.E.M., Bengaluru.

Signature of the HOD

Dr.K VenkataRao Professor & Head, CSE K.S.S.E.M., Bengaluru.

Department of Computer Science Engineering
K.S School of Engineering & Management K S School of Engineering and Management K S School of Engineering Bangalore-560109

Signature of the Principal

Dr.K Rama Narasimha Principal / Director K.S.S.E.M., Bengaluru.

Dr. K. RAMA NARASIMHA

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY



Juana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

#### "INDIAN CURRENCY RECOGNITION SYSTEM FOR VISUALLY IMPAIRED PEOPLE USING MACHINE LEARNING"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

IN

# COMPUTER SCIENCE AND ENGINEERING

Submitted by

Bharani B 1KG20CS009

Chandana B N 1KG20CS016

Divyalakshmi K 1KG20CS033

Kalpana C 1KG20CS053

Under the guidance of

Dr.K.Venkata Rao

Professor&Head,CSE

#### Department of Computer Science & Engineering

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15, Mallasandra, off. Kanakapura Road, Bengaluru - 568109 2023 - 2024

ers, Staffmandra, off. Kanakapura Road, Bengaluru - Santuo Department of Computer Science & Engineering



Conflict that the Project Work Phase-II (18CSP83) entitled "INDIAN CURRENCY RECOGNITION SYSTEM FOR VISUALLY IMPAIRED PEOPLE USING MACHINE LEARNING", is a bound lide work carried out by:

> Bharani B 1KG20CS009

> Chandana B N 1KG20CS016

> Divyalakshmi K 1KG20CS033

> Kalpana C 1KG20CS053

partial fulfillment for VIII semester B.E., Project Work in the branch of Computer Science and represering prescribed by Visvesvaraya Technological University, Belagavi during the period of obrusry 2024 to May 2024. It is certified that all the corrections and suggestions indicated for ternal assessment have been incorporated. The Project Work Phase-2 Report has been approved as satisfies the academic requirements in report of project work prescribed for the Hachelor of gineering degree.

mature of the Guide

Dr.K.VenkataRao ofessor&Head,CSE S.S.F.M.,Bengaluru. Signature of the HOD

Dr.K.VenkataRao Professor&Head,CSE K.S.S.E.M., Bengaluru. Signature of the Principal

Dr.K.Rama Narasimha Principal/Director Br & Folk Heapstamer

Principal/Director

K 8 School of Engineering and Manager sturu - 560 109

Jnana Sangama, Belagavi - 590018



Report on

# "IOT BASED ANIMAL DETECTION SYSTEM"

Project Report submitted in partial fulfilment of the requirement for the

award of the degree of

### BACHELOR OF ENGINEERING

IN

# COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

J Bindu Priya

1KG20CS046

Anjali R Shastry

1KG21CS400

Dakshayini D S

1KG21CS401

Pallavi E

1KG21CS402

Under the guidance of Dr. K Venkata Rao Professor & Head, CSE Department of Computer Science & Engineering KSSEM, Bengaluru-560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING K. S. School of Engineering and Management

#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 - 2024

# K. S. School of Engineering and Management #15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering



## CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "IOT BASED ANIMAL DETECTION SYSTEM" is a bonafide work carried out by:

J Bindu Priya	1KG20CS046
Anjali R Shastry	1KG21CS400
Dakshayini D S	1KG21CS401
Pallavi E	1KG21CS402

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 February 2024 to May 2024. 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

Dr.K.Venkata Rao Professor & Head, CSE K.S.S.E.M., Bengaluru. Signature of the HOD

Dr.K.Venkata Rao Professor & Head, CSE K.S.S.E.M., Bengaluru. Signature of the Principal

Dr. K Rama Narasimha Principal / Director K.S.S.E.M., Bengaluru.

IOD Dr. K. RAMA NARASIMHA

Department of Computer Science Engineering K.S School of Engineering & Managem K.S School of Engineering & Managem K.S Science Seption 100 Principal/Director of of Engineering and Manager Repositury - 560 109

#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY



#### Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

### "ASTHMA PREDICTION AND MONITORING"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of

#### BACHELOR OF ENGINEERING

IN

#### COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

RAKSHITHA A IKG20CS088 NISCHITHA M IKG20CS074 MONISHA M IKG20CS067 NISHA M IKG20CS075

Under the guidance of

Mrs. KAVITHA K S

ASSISTANT PROFESSOR

Department of Computer Science & Engineering

KSSEM, Bengaluru-560109



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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 – 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "Asthma Prediction and Monitoring" is a bonafide work carried out by:

RAKSHITHA A	1KG20CS088
NISCHITHA M	1KG20CS074
MONISHA M	1KG20CS067
NISHA M	1KG20CS075

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 February 2024 to May 2024. 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.

Mrs. Kavitha K S Assistant Professor, CSE K.S.S.E.M., Bengaluru

Dr. K Venkata Rao Head of Department, CSE

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

HOD

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

Bangalore-500109

Signature of the Principal

Dr. K Rama Narasimha Principal/Director,

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

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Manager
Bengaluru - 560 109

Jnana Sangama, Belagavi - 590018



#### PROJECT WORK PHASE-2 REPORT ON

# "STRESS AND MENTAL HEALTH DETECTION USING MACHINE LEARNING"

Project Phase 2 Report submitted in partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

IN

#### COMPUTER SCIENCE AND ENGINEERING

Submitted by

M YASASWANI 1KG20CS062

T VYSHNAVI 1KG20CS110

V LAXMI PRIYA 1KG20CS115

YASHWANTH B 1KG20CS124

Under the guidance of

Mrs. Sushmitha Suresh

**Assistant Professor** 

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



K. S. School of Engineering and Management
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109

2023 - 2024

# K. S. School of Engineering and Management #15, Mallasandra, off. Kanakapura Road, Bengaluru 560109

#### Department of Computer Science & Engineering



#### CERTIFICATE

This is to certify that the Project Work Phase-2 (18CSP77) entitled "Stress and Mental Health Detection using Machine Learning" is a bonafide work carried out by:

M YASASWANI	1KG20CS062	
T VYSHNAVI	1KG20CS110	
V LAXMI PRIYA	1KG20CS115	
YASHWANTH B	1KG20CS124	

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 February 2024 to May 2024. 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.

Sulhmitta Signature of the Guide

Mrs. Sushmitha Suresh Assistant Professor K.S.S.E.M., Bengaluru

Signature of the HOD

Signature of the Principal

Dr. K Venkata Rae
Professor & Head, CSE
K.S.S.P.M. Diseagulary

Department of Computer Science Engineering
K.S.S.Chool of Engineering & Management 8 School of Engineering a Management 8 School of Engineering and Management 8 School of Engineering 8 M

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY



Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

# "LAND REGISTRY USING BLOCKCHAIN"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

IN

### COMPUTER SCIENCE AND ENGINEERING

Submitted by

Ranjithaa MA - 1KG20CS092

Suchitha R - 1KG20CS104

Thanushree R - 1KG20CS109

Under the guidance of

Mrs.Chandana VS

Assistant Professor

Department of Computer Science & Engineering
KSSEM, Bengaluru-56010



# K. S. School of Engineering and Management

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 - 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "LAND REGISTRY USING BLOCKCHAIN" is a bonafide work carried out by:

Ranjithaa MA - 1KG20CS092 Suchitha R - 1KG20CS104 Thanushree R - 1KG20CS109

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 February 2024 to May 2024. 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.Chandana VS] [Dr. K Venkata Rao] Signature of the Principal [Dr. K Rama Narasimha]

Dr. K. RAMA NARASIMHA

Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-560109

R.S School of Engineering and Management
Bengaluru - 560 109



Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

## "WASTE SEGREGATION USING DEEP LEARNING AND IOT"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

IN

## COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

Bhushan P 1KG20CS013
Kumara Swamy N 1KG20CS057
Lavanya M 1KG20CS058
Likhitha L Mahesh 1KG20CS059

Under the guidance of

Mrs. Jayashubha J.

Associate Professor
Department of Computer Science & Engineering
KSSEM, Bengaluru-560109



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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 – 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "WASTE SEGREGATION USING DEEP LEARNING AND IOT" is a bonafide work carried out by:

> 1KG20CS013 Bhushan P Kumara Swamy N 1KG20CS057 1KG20CS058 Lavanya M 1KG20CS059 Likhitha L Mahesh

In partial fulfilment for VII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the profession of September 2023 to January 2024. 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 requirement in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

[Mrs. Jayashubha J] Associate Professor, CSE

KSSEM

[Dr. K Venkata Rao] Professor & Head, CSE

> KSSEM HOD

Signature of the Principal [Dr. K Rama Narasimha]

Dr. K.RAMA NARASIMHA
Principal/Director
K S School of Spanioning and Manage
Bengaluru - 560 109

Department of Computer Science Engineering K.S School of Engineering & Management Bangalore-500103

Jnana Sangama, Belagavi - 590018



A Project Work Phase-II (18CSP83)

Report on

"Finding the missing person using Artificial Intelligence(AI)"

Project Report submitted in partial fulfilment of the requirement for the

award of the degree of

#### BACHELOR OF ENGINEERING

TN

#### COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

Gagan.R 1KG20CS037 Monali.B.Pipaliya 1KG20CS066 Pathipati Harshitha 1KG20CS080

Under the guidance of
Mrs. Prasanna.N
Assistant Professor
Department of Computer Science & Engineering
KSSEM, Bengaluru-560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

K. S. School of Engineering and Management

#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 - 2024

#### K. S. School of Engineering and Management #15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109

#### Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "Finding the missing person using Artificial Intelligence(AI)" is a bonafide work carried out by:

> Gagan.R 1KG20CS037 Monali.B.Pipaliya 1KG20CS066 Pathipati Harshitha 1KG20CS080

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 March 2024 to May 2024. 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. Prasanna N] [Dr. K Venkata Rao] [Dr. K Rama Narasimha]

Jnana Sangama, Belagavi - 590018



A Project Work Phase - 2 (18CSP83)

#### Report on

"RO Wastewater Management-Smart Drip Irrigation and Real-time Water Quality Monitoring using IoT"

Project Report submitted in partial fulfillment of the requirements for the award of the degree of

#### BACHELOR OF ENGINEERING

IN

#### COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

Anurag Appaji Patil 1KG20CS005 Aravind M 1KG20CS006 C P Omkar Rawath 1KG20CS015 Charan M J 1KG20CS018

Under the Guidance of Mrs. Sougandhika Narayan Assistant Professor, Department of Computer Science & Engineering KSSEM, Bengaluru - 560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

#15, Mallasandra, Off, Kanakapura Road, Bengaluru - 560109 2023-2024

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

# Department of Computer Science & Engineering



#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "RO Wastewater Management-Smart Drip Irrigation and Real-time Water Quality Monitoring using IoT" is a bonafide work carried out by:

> Anurag Appaji Patil -1KG20CS005 Aravind M -1KG20CS006 C P Omkar Rawath -1KG20CS015 Charan MJ -1KG20CS018

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 February 2024 to May 2024. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-II 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. Sougandhika Narayan ]

Assistant Professor, CSE

K.S.S.E.M. Bengaluru

Signature of the HOD

[ Dr. K Venkata Rao ]

Professor & Head, CSE

K.S.S.E.M. Bengaluru

Signature of the Principal

[ Dr. K Rama Narasimha]

Principal Director

K.S.S.E.M. Bengaluru

Dr. K. RAMA NARASIMHA Principal/Director

K S School of Engineering and Manage
Bengeluru - 550 109

Department of Camputar Science Engineerin K.S. School of Engineering & Management "Bangaiere-560123"

### VISVESVARAYA TECHNOLOGICAL UNIVERSITY



Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

## "IMAGE CAPTION GENERATOR USING CNN AND LSTM"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of

#### BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING

Submitted by

M Rohini

1KG20CS061

Prajwal Gowda M

1KG20CS081

Under the guidance of
Mrs. Bindu K P
Assistant Professor
Department of Computer Science & Engineering
KSSEM, Bengaluru-56010



# K. S. School of Engineering and Management

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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

2023 - 2024



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

Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "IMAGE CAPTION GENERATOR USING CNN AND LSTM" is a bonafide work carried out by:

M Rohini

1KG20CS061

Prajwal Gowda M

1KG20CS081

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 February 2024 to May 2024. 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. Bindu K P] Assistant Professor, CSE KSSEM Signature of the HOD

[Dr. K Venkata Rao] Professor & Head, CSE KSSEM

HOD

Department of Computer Science Engineering K.S School of Engineering & Management Bangalore-560109 Signature of the Principal

[Dr. K Rama Narasimha]

Dr. ICTRAMA NARASIMHA IPRIBIDIA/Director K S School of Engineering and Managem Bengaluru - 560 109

"Jnana Sangama", Belagavi - 590018



#### PROJECT WORK PHASE-2 (18CSP83) REPORT ON

"PREDICTION OF WINE QUALITY USING MACHINE LEARNING"

Project Phase 2 Report submitted in partial fulfilment of the requirement for
the award of the degree of

# BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

Ananya P 1KG20CS003 Ashritha M 1KG20CS007 Bhavana H S 1KG20CS010 Chethana B M 1KG20CS020

Under the guidance of
Ms. Puneetha M R
Asst. Prof, CSE, KSSEM
Department of Computer Science & Engineering
KSSEM, Bengaluru-560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

K. S. School of Engineering and Management

#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 – 2024



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

### Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "PREDICTION OF WINE QUALITY USING MACHINE LEARNING" is a bonafide work carried out by:

> Ananya P 1KG20CS003 1KG20CS007 Ashritha M 1KG20CS010 Bhavana H S 1KG20CS020 Chethana B M

in partial fulfilment for VIII semester of Bachelor of Engineering, Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of February 2024 to May 2024. 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

Ms. Puncetha M R Assistant Professor, CSE K.S.S.E.M., Bengaluru

Signature of the HOD

Dr. K Venkata Rao Professor & Head, CSE K.S.S.E.M., Bengaluru

HOD

Signature of the Principal

Dr. K Rama Narasimha Principal/Director K.S.S.E.M., Bengaluru

Dr. K. RAMA NARASIMHA

Department of Computer Science Engineering Principal/Director

K.S School of Engineering & Manager & School of Engineering and Manager Bangatore-500109 Bengaluru - 560 109



Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

"A PUF-based Lightweight and Secure Mutual Authentication Mechanism for Remote Keyless Entry Systems"

Project Report submitted in partial fulfilment of the requirement for the w4award of the degree of BACHELOR OF ENGINEERING

COMPUTER SCIENCE AND ENGINEERING

Submitted by

- 1KG20CS087 Rajath K

- 1KG20CS097 Sahana S Hegde

-1KG20CS099 Shreya S

- 1KG20CS108 Swetha M

Under the guidance of

### Mrs. SUPRIYA SURESH

Assistant Professor

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



K. S. School of Engineering and Management DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15,Mallasandra, off. Kanakapura Road, Bengaluru-560109 2023-2024



# K. S. School of Engineering and Management #15, Mallasandra, off. Kanakapura Road, Bengaluru- 560109

Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "A PUF-based Lightweight and Secure Mutual Authentication Mechanism for Remote Keyless Entry Systems" is a bonafide workcarried out by:

RAJATH K	1KG20CS087
SAHANA S HEGDE	1KG20CS097
SHREYA S	1KG20CS099
SWETHA M	1KG20CS108

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 . 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. Supriya Suresh]

[Dr. K Venkata Rao] Department of Computer Science Engineering
K.S School of Engineering & Management
Bangalore-550109

Signature of the Principal

[Dr. K Rama Narasimha]

Dr. K. RAMA NARASIMIN

Principal/Director

K S School of Engineering and Man

Bengaluru - 560 109

#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY



Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (17CSP85)

Report on

#### "IOT BASED SMART CRADLE SYSTEM"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

TN

COMPUTER SCIENCE AND ENGINEERING Submitted by

SANJANA URS.D 1KG17CS072

Under the guidance of

Ms.Nethravathi K G
Department of Computer Science & Engineering
KSSEM, Bengaluru-560109



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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 - 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (17CSP85) entitled "IOT Based Smart Cradle System " is a bonafide work carried out by: SANJANA URS .D (1KG17CS072) 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 February 2024 to May 2024. 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

[Ms. Nethravathi K G]

Assistant Professor, CSE KSSEM

Signature of the HOD

[Dr. K Venkata Rao]

Professor & Head, CSE

KSSEM

HOD

Department of Computer Science Engineering Sci K.S School of Engineering & Kanagement Bangalore-560109

Signature of the Principal

[Dr. K Rama Narasimba]

Principal

KSSEM

Dr. K. RAMA NARASIMHA Principal/Director
of Engineering and M

Jnana Sangama, Belagavi - 590018



A Project Work Phase-2 (18CSP83)

Report on

#### "Sepsis Prediction"

Project Report submitted in partial fulfilment of the requirement for the

award of the degree of

#### BACHELOR OF ENGINEERING

IN

### COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

Nikhil KH 1KG20CS073
Prithvi Raj 1KG20CS085
Rahul BM 1KG20CS086
Sagar Naidu 1KG20CS095

Under the guidance of
Mrs. Nagaveni B Nimbal
Associate Professor
Department of Computer Science & Engineering
KSSEM, Bengaluru-560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
K. S. School of Engineering and Management
#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109
2023 - 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "SEPSIS PREDICTION" is a bonafide work carried out by: Nikhil KH (1KG20CS073), Prithvi Raj (1KG20CS085), Rahul BM (1KG20CS086), Sagar Naidu N (1KG20CS095) in partial fulfilment for VII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Visvesvaraya Technological University, Belagavi during the period of February 2024 to May 2024. 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. Nagaveni B Nimbal Associate Professor K.S.S.E.M. Bengaluru Signature of the HOD Dr. K Venkata Rao Professor, Head of the Dept., K.S.E.M, Bengaluru

Signature of the Principal Dr. K Rama Narasimha Principal Director, K.S.E.M, Bengaluru

K.S.S.E.M, Bengaluru

Dx. K. RAMA NARASIMINA
Principal Director

Department of Computer Science Engineering & School of Engineering and Management
(K.S.S.E.M, Bengaluru

Dx. K. RAMA NARASIMINA
Principal Director

Engineering & Management
Bangaluru - 560 109

Bangaluru - 560 109

"Jnana Sangama", Belagavi - 590018



A Project Work Phase-II (18CSP83)

#### Report on

# "ENDPOINT SECURITY AND SURVEILLANCE USING ZERO TRUST"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

IN

## COMPUTER SCIENCE AND ENGINEERING

### Submitted by

 Darshan M
 1KG20CS023

 Dhilip N
 1KG20CS030

 Durga Prashanth N
 1KG20CS035

 Govardhan AV
 1KG20CS040

Under the guidance of
Mrs.Prasanna N
Assistant Professor
Department of Computer Science & Engineering
KSSEM, Bengaluru-560109



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
K. S. School of Engineering and Management
#15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109
2023 - 2024

#15. Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering



Certified that the Project Work Phase-II (I8CSP83) entitled "ENDPOINT SECURITY AND SURVEILLANCE USING ZERO TRUST" is a bonafide work carried out by:

> Darshan M 1KG20CS023 Dhilip N 1KG20CS030 Durga Prashanth N 1KG20CS035 Govardhan AV 1KG20CS040

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 February 2024 to May 2024. It is certified that all the corrections and suggestions indicated for internal assessment have been incorporated. The Project Work Phase-II 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. Prasanna N Assistant Professor, CSE

K.S.S.E.M, Bengaluru

Sighafure of the HOD

Dr. K Venkata Rao Prof.& Head, CSE

K.S.S.E.M, Bengaluru

Signature of the Principal

Dr. K Rama Narasimha Principal/Director

K.S.S.E.M, Bengaluru

ace Engineering Dr. K. RAMA NARASIMHA K.5 School of Engineering in Luna jument. Bangalore-500100 Principal/Director

\* S School of Engineering and Manageme Bengaluru - 560 109

#### VISVESVARAYA TECHNOLOGICAL UNIVERSITY



#### Jnana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

#### "SMART STICK FOR BLIND PEOPLE"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of

#### BACHELOR OF ENGINEERING

IΝ

#### COMPUTER SCIENCE AND ENGINEERING

#### Submitted by

DHIKSHITH T 1KG20CS029
GAUTHAM BJ 1KG20CS038
D TEJESH 1KG20CS022
J SASIDHAR 1KG20CS048

Under the guidance of

#### Mrs.Belji.T Assistant Professor

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



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

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING #15,Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 - 2024



#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109 Department of Computer Science & Engineering

#### **CERTIFICATE**

Certified that the Project Work Phase-II (18CSP83) entitled "SMART STICK FOR BLIND PEOPLE" is a bonafide work carried out by:

DHIKSHITH	T	1KG20CS029
GAUTHAM BJ		1KG20CS038
D TEJESH		1KG20CS022
JSASIDHAR		1KG20CS048

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 February 2024 to May 2024. 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 neademic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

[Mrs Belji T]

Assistant professor, CSE, KSSEM, Bengaluru

[Dr. K Venkata Rao] Professor & Head, CSE, KSSEM,Bengaluru

HOD

Department of Computer Science Engineering Principal/Director
K.S School of Engineering & Management K S School of Engineering and M
Bangalore-560 109
Bengaluru - 580 109

Signature of the Principal

[Dr. K Rama Narasimha] Principal & Director KSSEM,Bengaluru

Dr. K. RAMA NARASIMHA

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY



Juana Sangama, Belagavi - 590018

A Project Work Phase-2 (18CSP83)

Report on

### "EARLY DETECTION OF OCD SYMPTOMS USING MACHINE LEARNING"

Project Report submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF ENGINEERING

# COMPUTER SCIENCE AND ENGINEERING

Submitted by

Bhanupriya B

1KG20CS008

Bhavani S

1KG20CS011

Kavya N

1KG20CS054

Under the guidance of

Mrs.R.S.Geethanjali

Assistant Professor

Department of Computer Science & Engineering

KSSEM, Bengaluru-56010



# K. S. School of Engineering and Management

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

815, Mallusandra, off. Kanakapura Road, Bengaluru - 560109

2023 - 2024



#15, Mallasandra, off. Kanskapura Road, Bengalura - 560109 Department of Computer Science & Engineering

#### CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "Early Detection of ood symptoms using machine learning" is a bonafide work carried out by

 Bhanupriya B
 1KG20CS008

 Bhavani S
 1KG20CS011

 Kavya N
 1KG20CS054

in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by Vinvesvaraya Technological University, Belagavi during the period of February 2024 to May 2024. 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.

RS Gentharist (5) stay

[Mrs. R.S. Geathanjali] Assistant Professor, CSE KSSEM Egidature of the HOD

[Or. K Venkina Rao] Professor & Head, CSE KSSEM

HCD
Department of Communic Science Engineering
N.S School of Engineering & Management
N.S School of Engineering At Management

Signature of the Principal

[Dr. K. Rama Narasimha]
Principal
KSSEM
Dr. K. RAMA NARASIMHA
Principal/Drector

Principal/Director
K 8 School of Engineering and Managemi Bengalum - 560 109

Jnana Sangama, Belagavi - 590018



#### PROJECT WORK PHASE- 2 REPORT ON

#### "IMAGE FORGERY DETECTION USING ADAPTIVE OVERSERGMENTATION AND KEY POINT FEATURE MATCHING"

Project Phase 2 Report submitted in partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

IN

#### COMPUTER SCIENCE AND ENGINEERING

Submitted by

JATIN SINGH 1KG20CS049
HARSH 1KG20CS043
MD. ZAYED 1KG20CS065

Under the guidance of

Mrs. N Deepashree

Assistant Professor

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



K. S. School of Engineering and Management DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109 2023 – 2024

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

### Department of Computer Science & Engineering



#### CERTIFICATE

This is to certify that the Project Work Phase-2 (18CSP77) entitled "IMAGE FORGERY DETECTION USING ADAPTIVE OVERSERGMENTATION AND KEY POINT FEATURE MATCHING" is a bonafide work carried out by:

JATIN SINGH

1KG20CS049

HARSH

1KG20CS043

ZAYED

1KG20CS065

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 February 2024 to May 2024. 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. N Deepashree Assistant Professor K.S.S.E.M., Bengaluru Signature of the HOD

Dr. K Venkata Rao Professor & Head, CSE K.S.S.E.M., Bengaluru Signature of the Principal

Dr. K Rama Narasimha Principal / Director K.S. K.M. Rengahara Simita

of Computer deline Engineering Principal/Director

TEngineering & Jamager K

Principal/Director

K & School of Engineering and Manage

Jnana Sangama, Belagavi - 590018



PROJECT WORK PHASE- 2 REPORT ON

#### "DEMENTIA PREDICTOR"

Project Phase 2 Report submitted in partial fulfillment of the requirement for the award of the degree of BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

MEGHANA M

1KG20CS063

VAISHNAVI N BHAT

1KG20CS113

Under the guidance of

Mrs. Supriya Suresh Assistant Professor

Department of Computer Science & Engineering KSSEM, Bengaluru-560109



K. S. School of Engineering and Management
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109
2023 – 2024

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

## Department of Computer Science & Engineering



#### CERTIFICATE

This is to certify that the Project Work Phase-2 (18CSP77) entitled "Dementia Predictor" is a bonafide work carried out by:

MEGHANA M VAISHNAVI N BHAT

1KG20CS063 1KG20CS113

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 February 2024 to May 2024. 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. Supriya Suresh Assistant Professor K.S.S.E.M., Bengaluru

Signature of the HOD

Dr. K Venkata Rao Professor & Head, CSE K.S.S.E.M., Bengaluru

Signature of the Principal

Dr. K Rama Narasimha Principal/Director K.S.S.E.M.,Bengaluru

Department of Computer Science Engineering Principal/Director
K.S School of Engineering & Management's School of Engineering and Mar
Bangalore-560109 Bengaluru - 560 109

Dr. K. RAMA NARASIMHA