Visvesvaraya Technological University

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

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

Hemanth M   - 1KG20CS045

J R Chandan   - 1KG20CS047

Preetham K   - 1KG20CS052

Kiran C D   - 1KG20CS056

Under the guidance of

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2023 – 2024

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana 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

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2023 - 2024

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Department of Computer Science & Engineering

CERTIFICATE

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

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

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. Jayashubha J]
Associate Professor, CSE
KSSEM

Signature of the HOD
[Dr. K Venkata Rao]
Professor & Head, CSE
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HOD
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Signature of the Principal
[Dr. K Rama Narasimha]
Principal
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Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

Visvesvaraya Technological University

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

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

Gautham Narkodu	**1KG20CS039**
Eshwar Sai Chandra	**1KG20CS036**
Divya Lakshmi J.H.	**1KG20CS032**
Chinmay N.M.	**1KG20CS021**

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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**
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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.

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana 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

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K. S. School of Engineering and Management
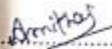#15, Mallasandra, off. Kanakapura Road, Bengaluru - 560109
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Certified that the Project Work Phase-II (18CSP83) entitled **"MUSIC GENERATION USING DEEP LEARNING"** is a bonafide work carried out by:

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	**Signature of the HOD**	**Signature of the Principal**
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	HOD	Dr. K. RAMA NARASIMHA
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Visvesvaraya Technological University
Jnana 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
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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**
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M JESWANTH	**1KG20CS060**

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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
IN
COMPUTER SCIENCE AND ENGINEERING

Submitted by

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

Under the guidance of

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Vadiraj R Nadig	**1KG20CS112**
Veluru Bhanuprasad	**1KG20CS116**
Vinay A	**1KG20CS121**

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VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana 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**
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Kalpana C	**1KG20CS053**

Under the guidance of

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2023 - 2024

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CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "INDIAN CURRENCY RECOGNITION SYSTEM FOR VISUALLY IMPAIRED PEOPLE USING MACHINE LEARNING", is a bonafide

work carried out by:

Bharani B	**1KG20CS009**
Chandana B N	**1KG20CS016**
Divyalakshmi K	**1KG20CS033**
Kalpana C	**1KG20CS053**

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 satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide

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A Project Work Phase-2 (18CSP83)

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

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Anjali R Shastry	1KG21CS400
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Certified that the Project Work Phase-2 (18CSP83) entitled "IOT BASED ANIMAL DETECTION SYSTEM " is a bonafide work carried out by:

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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

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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	**1KG20CS088**
NISCHITHA M	**1KG20CS074**
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NISHA M	**1KG20CS075**

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Mrs. KAVITHA K S

ASSISTANT PROFESSOR

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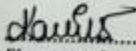2023 – 2024

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

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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.

Signature of the Guide

Mrs. Kavitha K S

Assistant Professor, CSE

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Signature of the HOD

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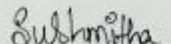#15, Mallasandra, off. Kanakapura Road, Bengaluru – 560109
2023 – 2024

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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:

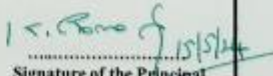|	
M YASASWANI	1KG20CS062
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in partial fulfilment for VIII semester B.E., Project Work in the branch of Computer Science and Engineering prescribed by **Visvesvaraya Technological University, Belagavi** during the period of February 2024 to May 2024. 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	**Signature of the HOD**	**Signature of the Principal**
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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

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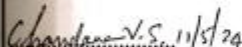
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Certified that the Project Work Phase-II (18CSP83) entitled "LAND REGISTRY USING BLOCKCHAIN" is a bonafide work carried out by:

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.

Chandana V.S., 11/5/24

Signature of the Guide

[Mrs.Chandana VS]

Signature of the HOD

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[Dr. K Rama Narasimha]

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

Bhushan P	**1KG20CS013**
Kumara Swamy N	**1KG20CS057**
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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 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	**Signature of the HOD**	**Signature of the Principal**
[Mrs. Jayashubha J]	[Dr. K Venkata Rao]	[Dr. K Rama Narasimha]
Associate Professor, CSE	Professor & Head, CSE	Dr. K. RAMA NARASIMHA
KSSEM	KSSEM	Principal/Director
	HOD	K S School of Engineering and Management
	Department of Computer Science Engineering	Bengaluru - 560 109
	K.S School of Engineering & Management	
	Bangalore-560109	

Visvesvaraya Technological University
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

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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

Under the guidance of
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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 Univeersity, 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

[Mrs. Prasanna N]

....
Signature of the HOD

[Dr. K Venkata Rao]

....
Signature of the Principal

[Dr. K Rama Narasimha]

Visvesvaraya Technological University
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
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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:

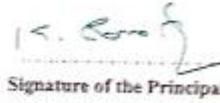|	
Anurag Appaji Patil	-1KG20CS005
Aravind M	-1KG20CS006
C P Omkar Rawath	-1KG20CS015
Charan M J	-1KG20CS018

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
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Signature of the HOD
[Dr. K Venkata Rao]
Professor & Head, CSE
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Signature of the Principal
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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
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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
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Department of Computer Science Engineering
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Bangalore-560109

....
Signature of the Principal

[Dr. K Rama Narasimha]

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

Visvesvaraya Technological University

"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
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2023 – 2024

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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**
Ashritha M	**1KG20CS007**
Bhavana H S	**1KG20CS010**
Chethana B M	**1KG20CS020**

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	**Signature of the HOD**	**Signature of the Principal**
Ms. Puneetha M R	Dr. K Venkata Rao	Dr. K Rama Narasimha
Assistant Professor, CSE	Professor & Head, CSE	Principal/Director
K.S.S.E.M., Bengaluru	K.S.S.E.M., Bengaluru	K.S.S.E.M., Bengaluru
	HOD	Dr. K. RAMA NARASIMHA
	Department of Computer Science Engineering	Principal/Director
	K.S School of Engineering & Management	K S School of Engineering and Management
	Bangalore-560109	Bengaluru - 560 109

Visvesvaraya Technological University

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

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

Rajath K	**- 1KG20CS087**
Sahana S Hegde	**- 1KG20CS097**
Shreya S	**- 1KG20CS099**
Swetha M	**- 1KG20CS108**

Under the guidance of

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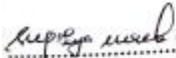#15, Mallasandra, off. Kanakapura Road, Bengaluru– 560109
2023 – 2024

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]

Signature of the HOD

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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

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

SANJANA URS.D   1KG17CS072

Under the guidance of

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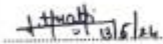## K. S. School of Engineering and Management

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K. S. School of Engineering and Management
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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

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Signature of the HOD

[Dr. K Venkata Rao]

Professor & Head, CSE

KSSEM

HOD

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Signature of the Principal

[Dr. K Rama Narasimha]

Principal

KSSEM

Dr. K. RAMA NARASiMHA
Principal/Director
K B School of Engineering and Management
Bengaluru - 560 109

Visvesvaraya Technological University
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
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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

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Signature of the HOD
Dr. K Venkata Rao
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Signature of the Principal
Dr. K Rama Narasimha
Principal Director,
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Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109

Visvesvaraya Technological University

"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
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Certified that the Project Work Phase-II (18CSP83) 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

Signature of the HOD

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Prof.& Head,CSE

K.S.S.E.M, Bengaluru

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Signature of the Principal

Dr. K Rama Narasimha
Principal/Director

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Dr. K. RAMA NARASIMHA
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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

IN

COMPUTER SCIENCE AND ENGINEERING

Submitted by

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

Under the guidance of

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2023 - 2024

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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
J SASIDHAR		1KG20CS048

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 Belji T]
Assistant professor,CSE,
KSSEM, Bengaluru

....
Signature of the HOD

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Professor & Head, CSE,
KSSEM,Bengaluru
HOD
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....
Signature of the Principal

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KSSEM,Bengaluru
Dr. K. RAMA NARASIMHA
Principal/Director
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Bengaluru - 560 109

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana 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

IN

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

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CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "**Early Detection of ocd 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 **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.

R.S.Geethanjali 15/5/04

Signature of the Guide

[Mrs. R.S.Geethanjali]
Assistant Professor, CSE
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Signature of the HOD

[Dr. K Venkata Rao]
Professor & Head, CSE
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Signature of the Principal

[Dr. K Rama Narasimha]
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Principal/Director
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Visvesvaraya Technological University

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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

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2023 – 2024

K. S. School of Engineering and Management

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Department of Computer Science & Engineering
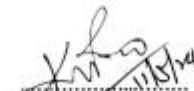

<u>CERTIFICATE</u>

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
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....
Signature of the Principal

Dr. K Rama Narasimha
Principal / Director
K.S.S.E.M., Bengaluru
Dr. K.M. RAMANARASIMHA
Principal/Director
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Bengaluru- 560 109

Visvesvaraya Technological University

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

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Assistant Professor
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2023 – 2024

K. S. School of Engineering and Management

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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:
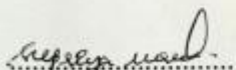
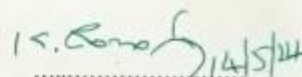|	
MEGHANA M	**1KG20CS063**
VAISHNAVI N BHAT	**1KG20CS113**

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.

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