K.S. INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROJECT PHASE 1 BATCH LIST

VII SEMESTER (2023-2024)

Sl. No	Batch No	Team Members	USN	Guide Allotted	Project Title
1	2023_CSE_01	Ashrit Madhav Vadiraj	1KS20CS116	Mr.Prashanth H S	Smart Unusual Event Detection Using Low Resolution Camera for Enhanced Security
2		Deepak S	1KS20CS117		
3		Ajay Girish	1KS20CS120		
4		Saksham Singh	1KS20CS121		
5	2023_CSE_02	Ananya Patil	1KS20CS004	Mr.Raghavendrachar S	Computer Aided Diagnosis of Pancreatic Tumor based on CT Images
6		Jahnavi P	1KS20CS041		
7		Jnanesh A S	1KS20CS043		
8		Kushal K	1KS20CS047		
9	2023_CSE_03	Anirudha K K	1KS20CS005	Mr.Roopesh Kumar B N	Automated Reporting and Dashboards for Cloud Security Audits using AI and ML
10		Dhanush Y	1KS20CS021		
11		Dhanvin C Bhargav	1KS20CS022		
12		H A Sankeerthan	1KS20CS036		
13	2023_CSE_04	N Keerthana	1KS20CS058	Mr.Kumar K	Sugarcane Disease Detection using Deep Learning
14		Sahana R	1KS20CS086		
15		Shilpa M	1KS20CS091		
16		Vanadana N	1KS20CS108		
17	2023_CSE_05	Rakshitha P	1KS20CS081	Mr.Roopesh Kumar B N	DHRISHTI-- Empowering Quality Analysis of Rice Grains with Computer Vision
18		S Sai Shankari	1KS20CS083		
19		Vandana N	1KS20CS109		
20		Y Jhansi	1KS20CS114		
21	2023_CSE_06	Dhanya Sharanya Shree R	1KS20CS023	Dr.Rekha B Venkatapur	Kaanunu Neravu
22		Ganashree G M	1KS20CS030		
23		Ganashree K	1KS20CS031		
24	2023_CSE_07	Nuthanapati Devitha	1KS20CS066	Mr.Laxmikantha K	A Hybrid Deep Learning Framework for Early Diagnosis of Alzheimer's Disease
25		Raghavi C S	1KS20CS079		
26		Shshwatha H M	1KS20CS090		
27		Spoorthy N	1KS20CS096		

Sl. No	Batch No	Team Members	USN	Guide Allotted	Project Title
28	2023_CSE_08	Najeeb Muthaheed Arin Ul Haq	1KS20CS059	Mrs.Kavya M S	Galactical Image detection and Identification
29		R Kushal Sai	1KS20CS078		
30		Rakshith C Mahaladkar	1KS20CS080		
31		Talib Mukthar Choda	1KS20CS101		
32	2023_CSE_09	Moniesh S	1KS20CS056	Mr.Somasekhar T	Machine Learning based intrusion Detection
33		Monika N	1KS20CS057		
34		Pavithra R	1KS20CS073		
35		Sindhura H	1KS20CS093		
36	2023_CSE_10	Divakar M	1KS20CS024	Mrs.Kavya M S	HYDROGUARD-Intelligent Hydration for a Smart Life
37		Pavan Kumar S	1KS20CS070		
38		Prajwal Naik U	1KS20CS077		
39		Mohammed Taha	1KS20CS115		
40	2023_CSE_11	Parvashree H M	1KS20CS067	Mrs.Suma Rajesh	Music Recommendation System based on Emotion Detection Using Image Precessing and Deep Networks
41		Poonam	1KS20CS075		
42		Srishti Srivastava	1KS20CS097		
43		Sushma Srikanta Kurandwad	1KS20CS099		
44	2023_CSE_12	Pavan M	1KS20CS071	Mr.Roopesh Kumar B N	Yoga Posture Estimation & Correction
45		Pavan P	1KS20CS072		
46		Shravya M R	1KS20CS092		
47		Vikas Kashyap	1KS20CS111		
48	2023_CSE_13	Vaishnavi M	1KS20CS107	Mr.Harshavardhan J R	Vitamin Defeciency Detection
49		K R Sahana	1KS20CS118		
50		Sneha A S	1KS20CS119		
51		Sanjana G	1KS20CS123		
52	2023_CSE_14	Narasimha N	1KS20CS061	Mr.Krishna Gudi	SleepApnea Detection using ECG
53		Pradhyumna K	1KS20CS076		
54		Saahil D	1KS20CS084		
55		Trupthi G B	1KS20CS104		

Sl. No	Batch No	Team Members	USN	Guide Allotted	Project Title
56	2023_CSE_15	Sanket Ganapati Hegde	1KS20CS088	Mr.Kumar K	Speech Recognition using Machine Learning
57		Shashikanth N G	1KS20CS089		
58		Vishal N Korabu	1KS20CS112		
59		VummaneniCharan	1KS20CS113		
60	2023_CSE_16	Namratha R	1KS20CS060	Mr.Prashanth H S	Fruit Classifiation and Quality assessment for Precision Agriculture
61		Nirmitha N	1KS20CS064		
62		Thanusha K	1KS20CS103		
63		Ravivamshi D N	1KS20CS122		
64	2023_CSE_17	Honoksharathna B	1KS20CS039	Dr.Sunita Chalageri	Beyond the Booth
65		Hrithika S	1KS20CS040		
66		Parvathy P S	1KS20CS068		
67		Vibhav Kaushik V	1KS20CS110		
68	2023_CSE_18	Aaqib Bashir	1KS20CS002	Mrs.Pallavi K N	E-Vault for Legal Records Using Blockchain
69		Ankita Choudhary	1KS20CS006		
70		Goel Ananya Devendra	1KS20CS033		
71		Manish Pikhan	1KS20CS052		
72	2023_CSE_19	Archit Ganapati Avadhani	1KS20CS011	Dr.Kusuma T	Multi-model Medical Image Fusion Based on Two-Scale Image Decomposition
73		Basavesh V L	1KS20CS013		
74		Bhuvan N Gowda	1KS20CS015		
75		H A Trishala	1KS20CS037		
76	2023_CSE_20	Chethan S	1KS20CS019	Mrs.Shruthi T S	Blockchain Revolutionizing Agriculture Supply Chain
77		Darshan M S	1KS20CS020		
78		M Santhosh Kumar M Hampanna	1KS20CS049		
79	2023_CSE_21	Bhumika MahadevappaUmachagi	1KS20CS014	Mr.Krishna Gudi	Gesture Controlled Virtual Mouse
80		Edimudi Abhinaya	1KS20CS026		
81		Guru Kashyap N S	1KS20CS034		
82		Guru Kiran S	1KS20CS035		
83	2023_CSE_22	Chaitra R	1KS20CS018	Mrs.Pallavi K N	Colloqui AI Transformer: A New Era for Higher Education
84		Jeevan	1KS20CS042		
85		Kavitha R	1KS20CS045		
86		Kavya R	1KS20CS046		

Sl. No	Batch No	Team Members	USN	Guide Allotted	Project Title
87	2023_CSE_23	Anushree G M	1KS20CS008	Mr.Abhilash L Bhat	College Chatbot
88		Mandara K S	1KS20CS051		
89		Manisha G N	1KS20CS053		
90		Pavithra A S	1KS21CS401		
91	2023_CSE_24	Brunda B	1KS20CS017	Mr.Somasekhar T	Visualization of Air Quality Prediction with mixed Gas Analysis using ML
92		Divya V Chikkamath	1KS20CS025		
93		Gagana C L Naik	1KS20CS028		
94		Gagana R	1KS20CS029		
95	2023_CSE_25	Anupriya C	1KS20CS007	Ms.Namyapriya D	FoodieFinds Tailoring Local Dining Experience through Videos
96		Apeksha M	1KS20CS010		
97		G Sanjana Raju	1KS20CS027		
98		Harhitha B R	1KS20CS038		
99	2023_CSE_26	Sanjeev Kulakarni	1KS21CS403	Mrs.Rashmi H	SciExploreAR
100		Suhas R	1KS21CS405		
101		Vaishnavi S Sharma	1KS21CS406		
102		Vidhya J	1KS21CS407		
103	2023_CSE_27	A Akash	1KS20CS001	Mr.Raghavendrachar S	Image Text to Speech Conversion in desired Language
104		B Jaidev	1KS20CS012		
105		Girish G	1KS20CS032		
106		Jonna Dileep	1KS20CS044		
107	2023_CSE_28	Pavan C	1KS20CS069	Dr. R Senkamalavalli	Enhancement and Restoration of underwater Images
108		Sameer Kulkarni	1KS20CS087		
109		Sudeep D M	1KS20CS098		
110		Tahreem Imad Pasha	1KS20CS100		
111	2023_CSE_29	Nidhi K V	1KS20CS063	Mrs. Swapna Subash Banasode	Cyberbullying Detection on Social Media
112		Sabhareesh Balaji P	1KS20CS085		
113		Tanvi Kamath	1KS20CS102		
114		Tushar S	1KS20CS105		

Sl. No	Batch No	Team Members	USN	Guide Allotted	Project Title
115	2023_CSE_30	Anand V S	1KS20CS003	Mr. Raghavendrachar S	E-Learning Management System with AI assistance
116		Anushree H	1KS20CS009		
117		Manjunath R	1KS20CS054		
118	2023_CSE_31	Tejswini	1KS20CS016	Mrs. Rashmi H	SignExplainer: AI-Enabled Sign Language Recognition
119		Monica C S	1KS20CS055		
120		Neha Reddy S	1KS20CS062		
121		S Poornachandra	1KS21CS402		
122	2023_CSE_32	N Nithesh Kumar	1KS20CS065	Mr. Abhilash L Bhat	Age Invariant Face Recognition using Convolutional Neural Network
123		Y Poojitha	1KS20CS074		
124		Siripi Reddy Thulasi	1KS20CS094		
125		V Aravind	1KS20CS106		
126	2023_CSE_33	Lisha Nidhi A M	1KS20CS048	Mr. Kushal Kumar B N	Enhancing and Securing Internet of Things by Virtue of a Machine Learning Enabled Intrution Detection System
127		Mahim Akhawat	1KS20CS050		
128		Roshan Kumar B	1KS20CS082		
129		Skanda Swaroopa B V	1KS20CS095		

Project Coordinators

Prof. Roopesh Kumar B N

Prof. Raghavendrachar S

HOD

Head of the Department
Dept. of Computer Science & Engg
K.S. Institute of Technology
Bengaluru -560 109

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"AGE INVARIANT FACIAL RECOGNITION USING MTCNN"** is a bonafide work carried out by:

N NITHESH KUMAR	**1KS20CS065**
POOJITHA Y	**1KS20CS074**
SIRIPIREDDY THULASI	**1KS20CS094**
V ARVIND	**1KS20CS106**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Abhilah L Bhat]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi . M.C	30/5/24
2. RAGHAVENDRACHAR S	30/5/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"YOGA POSTURE ESTIMATION & CORRECTION"** is a bonafide work carried out by:

PAVAN M	**1KS20CS071**
PAVAN P	**1KS20CS072**
SHRAVYA M R	**1KS20CS092**
VIKAS KASHYAP R	**1KS20CS111**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Roopesh Kumar B N]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

External Viva

Name of the Examiners	**Signature with Date**
1. BharanaNagaraj	28/5/24
2. Dr. Rekha B. Venkatapur	28/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

KSIT

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"Image Text to Speech Translator in Specified Language"** is a bonafide work carried out by:

A AKASH	**1KS20CS001**
B JAIDEV	**1KS20CS012**
GIRISH G	**1KS20CS032**
JONNA DILEEP	**1KS20CS044**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Raghavendrachar S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi. M.C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"EVAULT FOR LEGAL RECORDS USING BLOCKCHAIN"** is a bonafide work carried out by:

AAQIB BASHIR	**1KS20CS002**
ANKITA CHOUDHARY	**1KS20CS006**
GOEL ANANYA DEVENDRA	**1KS20CS033**
MANISH PIKHAN	**1KS20CS052**

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 in the report deposited in the department library. 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.

Pallavi KN 14/05/24		
.....	.....	.....
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal & Director**
[Mrs. Pallavi K N]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Bhavana Nagaraj	28/5/24
2. Dr. Rekha B. Venkatapur	28/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"E-LEARNING MANAGEMENT SYSTEM WITH AI ASSISTANCE"** is a bonafide work carried out by:

ANAND V S	**1KS20CS003**
ANUSHREE H	**1KS20CS009**
MANJUNATH R	**1KS20CS054**

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 Report has been approved as it satisfies the academic requirements in the report of project work prescribed for the Bachelor of Engineering degree.

Signature of the Guide	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Raghavendrachar S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiner	**Signature with Date**
1. Laxmi. M.C	20/5/24
2. RAGHAVENDRACHAR S	30/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"COMPUTER AIDED DIAGNOSIS OF PANCRETIC TUMOR BASED ON CT IMAGES"** is a bonafide work carried out by:

ANANYA PATIL	**1KS20CS004**
JAHNAVI P	**1KS20CS041**
JNANESH A S	**1KS20CS043**
KUSHAL K	**1KS20CS047**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Raghavendrachar S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S.C	27/5/24
2. Dr. Rekha. B. Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"Real-Time AWS Resource Surveillance with Reporting and Dashboard Solution for Student Placement Dataset"** is a bonafide work carried out by:

ANIRUDHA K K	**1KS20CS005**
DHANUSH Y	**1KS20CS021**
DHANVIN C BHARGAV	**1KS20CS022**
H A SANKEERTHAN	**1KS20CS036**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Roopesh Kumar B N]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S.C	29/5/24
2. Dr. Rekha. B Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"FOODIE-FINDS"** is a bonafide work carried out by:

ANUPRIYA C	**1KS20CS007**
APEKSHA M	**1KS20CS010**
G SANJANA RAJU	**1KS20CS027**
HARSHITHA B R	**1KS20CS038**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Ms.Namyapriya D]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi. M.C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"COLLEGE CHATBOT"** is a bonafide work carried out by:

ANUSHREE G M	**1KS20CS008**
MANDARA K S	**1KS20CS051**
MANISHA G N	**1KS20CS053**
PAVITHRA A S	**1KS21CS401**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Abhilash L Bhat]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi - M.C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"MULTI-MODAL MEDICAL IMAGE FUSION"** is a bonafide work carried out by:

ARCHIT GANAPATI AVADHANI	**1KS20CS011**
BASAVESH V L	**1KS20CS013**
BHUVAN N GOWDA	**1KS20CS015**
H A TRISHALA	**1KS20CS037**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Dr. Kusuma T]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi. M.C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

KSIT

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"GESTURE CONTROLLED VIRTUAL MOUSE"** is a bonafide work carried out by:

Bhumika Mahadevappa Umachagi	**1KS20CS014**
Edimudi Abhinaya	**1KS20CS026**
Guru Kashyap N S	**1KS20CS034**
Guru Kiran S	**1KS20CS035**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr.Krishna Gudi]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi - M.C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K.S. Institute of Technology

#14,Raghuvanahalli,KanakapuraRoad,Bengaluru-560109

Department of Computer Science &Engineering

CERTIFICATE

Certified that the Project Work Phase-II(18CSP83)entitled **"Automatic Dance Pose Estimation from the Hand Signs using Deep Learning"** is a bonafide work carried out by:

BOMMINENI TEJASWINI	**1KS20CS016**
MONICA C S	**1KS20CS055**
NEHA REDDY S	**1KS20CS062**
S POORNACHANDRA	**1KS21CS402**

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 in the report deposited in the department library. 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	Signature of the HOD	Signature of the Principal & Director
[Rashmi H]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

External Viva

Name of the Examiners	Signature with Date
1. Rashmi. M. C	30/5/24
2. RAGHAVENDRA ELIAR S	30/05/2024

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"VISUALIZATION OF AIR QUALITY PREDICTION WITH MIXED GAS ANALYSIS USING ML"** is a bonafide work carried out by:

BRUNDA B	**[1KS20CS017]**
DIVYA V CHIKKAMATH	**[1KS20CS025]**
GAGANA C L NAIK	**[1KS20CS028]**
GAGANA R	**[1KS20CS029]**

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	**Signature of the HOD**	**Signature of the Principal &Director**
[Mr. Somasekhar T]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva:

Name of the Examiners	**Signature with Date**
1. Laxmi-M-C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"Colloqui AI Transformer: A New Era for HigherEducation"** is a bonafide work carried out by:

CHAITRA R	**1KS20CS018**
JEEVAN	**1KS20CS042**
KAVITHA R	**1KS20CS045**
KAVYA R	**1KS20CS046**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mrs. Pallavi K N]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi M.C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"BLOCKCHAIN TECHNOLOGY IN AGRICULTURE SUPPLY CHAIN"** is a bonafide work carried out by:

CHETHAN S	**1KS20CS019**
DARSHAN M S	**1KS20CS020**
M SANTOSH KUMAR M HAMPANNA	**1KS20CS049**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mrs. Shruthi T S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi .M.C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024

K.S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"CYBER APARADHA SAMBANDITHA KAANUNU SALAHE(CAS-KS)"** is a bonafide work carried out by:

DHANYA SHARANYA SHREE R	**[1KS20CS023]**
GANASHREE G M	**[1KS20CS030]**
GANASHREE K	**[1KS20CS031]**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal &Director**
[Dr. Rekha B. Venkatapur]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S C	27/5/24
2. Dr. Rekha B Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled "HYDROGUARD-Intelligent Hydration for A Smart Life" is a bonafide work carried out by:

DIVAKAR M	**1KS20CS024**
PAVAN KUMAR S	**1KS20CS070**
PRAJWAL NAIK U	**1KS20CS077**
MOHAMMED TAHA	**1KS20CS115**

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 in the report deposited in the department library. 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.

..... 17/5/24	.....	.....
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal & Director**
[Mrs. Kavya M S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Bhavana Nagaraj	28/5/24
2. Dr. Rekha. B Venkatapur	28/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"BEYOND THE BOOTH"** is a bonafide work carried out by:

HONOKSHARATHNA B	**1KS20CS039**
HRITHIKA S	**1KS20CS040**
PARATHY P S	**IKS20CS068**
VIBHAV KAUSHIK V	**1KS20CS110**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Dr. Sunita Chalageri]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1.	
2. Dr. Rekha. B. Venkatapur	28/5/24

K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP77) entitled **"ENHANCING AND SECURING IoT BY VIRTUE OF DEEP LEARNING ENABLED INTRUSION DETECTION SYSTEM"** is a Bonafede work carried out by:

LISHANIDHI A M	**[1KS20CS048]**
MAHIM AKHAWAT	**[1KS20CS050]**
ROSHAN KUMAR B	**[1KS20CS082]**
SKANDA SWAROOPA B V	**[1KS20CS095]**

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	**Signature of the HOD**	**Signature of the Principal &Director**
[Mr. Kushal Kumar BN]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

Name of the Examiners	**External Viva**	**Signature with Date**
1. Laxmi-M.C		30/5/24
2. RAGHAVENDRACHAR S		30/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"Machine Learning Based Intrusion Detection System"** is a bonafide work carried out by:

MONIESH S	**1KS20CS056**
MONIKA N	**1KS20CS057**
PAVITHRA R	**1KS20CS073**
SINDHURA H	**1KS20CS093**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Somasekhar T]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S.C	27/5/24
2. Dr. Rekha B Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"AN APPROACH TO RECOGNIZE DISEASE IN SUGARCANE CROP USING DEEP LEARNING"** is a bonafide work carried out by:

N KEERTHANA	**1KS20CS058**
SAHANA R	**1KS20CS086**
SHILPA M	**1KS20CS091**
VANDANA N	**1KS20CS108**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Kumar K]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S C	27/5/24
2. Dr. Rekha. B. Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"GALACTICAL IMAGE DETECTION AND IDENTIFICATION"** is a bonafide work carried out by:

NAJEEB MUTHAHEED ARIN UL HAQ	**1KS20CS059**
R KUSHAL SAI	**1KS20CS078**
RAKSHITH C MAHALADKAR	**1KS20CS080**
TALIB MUKHTAR CHODA	**1KS20CS101**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mrs. Kavya M S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S.C	29/5/24
2. Dr. Rekha. B. Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"Classification And Disease Detection Of Tomato Fruit"** is a bonafide work carried out by:

NAMRATHA R	**1KS20CS060**
NIRMITHA N	**1KS20CS064**
THANUSHA K	**1KS20CS103**
RAVI VAMSHI D N	**1KS20CS122**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Prashanth H S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Bhavana Nagaraj	28/5/24
2. Dr. Rekha B. Venkatapur	28/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"SLEEP APNEA DETECTION USING ECG"** is a bonafide work carried out by:

NARASIMHA N	**1KS20CS061**
PRADHYUMNA K	**1KS20CS076**
SAAHIL BHUJANG DHARMAJI	**1KS20CS084**
TRUPTHI G B	**1KS20CS104**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Krishna Gudi]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Bhavana Nagaraj	28/5/24
2. Dr. Rekha. B. Venkatapur	28/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP77) entitled **"CYBERBULLYING ON SOCIAL MEDIA"** is a bonafide work carried out by:

NIDHI K V	**1KS20CS063**
SABHAREESH BALAJI P	**1KS20CS085**
TANVI KAMATH	**1KS20CS102**
TUSHAR S	**1KS20CS105**

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 in the report deposited in the department library. 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.

13/05/24		
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal & Director**
[Ms. Swapna S Banasode].	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi. M-C	30/5/24
2. RAGHAVENDRACHAR S	30/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"A HYBRID DEEP LEARNING FRAMEWORK FOR EARLY DIAGNOSIS OF ALZEIMER' DISEASE** is a bonafide work carried out by:

NUTHANAPATI DEVITHA	**1KS20CS066**
RAGHAVI CS	**1KS20CS079**
SHASHWATHA HM	**1KS20CS090**
SPOORTHY N	**1KS20CS096**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Laxmikantha K]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S.C	27/5/24
2. Dr. Rekha. B. Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"MUSIC RECOMMENDATION SYSTEM BASED ON EMOTION DETECTION"** is a bonafide work carried out by:

PARVASHREE H M	**1KS20CS067**
POONAM	**1KS20CS075**
SRISHTI SRIVASTAVA	**1KS20CS097**
SUSHMA SRIKANTA KURANDWAD	**1KS20CS099**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mrs. Suma Rajesh A]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Bharana Nagaraj	28/9/24
2. Dr. Rekha B Venkatapur	28/9/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"ENHANCEMENT AND RESTORATION OF UNDERWATER IMAGES"** is a bonafide work carried out by:

PAVAN C	**1KS20CS069**
SAMEER KULKARNI	**1KS20CS087**
SUDEEP D M	**1KS20CS098**
TAHREEM IMAD PASHA	**1KS20CS100**

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 in the report deposited in the department library. 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.

13/5/24		
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal & Director**
[Dr. R Senkamalavalli]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi. M.C	30/5/24
2. RAGHAVENDRACHAR S	30/05/2024

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"DHRISHTI – Empowering Quality Analysis of Rice Grains with Computer Vision"** is a bonafide work carried out by:

RAKSHITHA P	**1KS20CS081**
S SAI SHANKARI	**1KS20CS083**
VANDANA N	**1KS20CS109**
Y JHANSI	**1KS20CS114**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Roopesh Kumar B N]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Vijaya. S.C	29/5/24
2. Dr. Rekha. B. Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"INTUITIVE PERCEPTION: SPEECH RECOGNITION USING MACHINE LEARNING"** is a bonafide work carried out by:

SANKET G HEGDE	**1KS20CS088**
SHASHIKANTH N G	**1KS20CS089**
VISHAL N KORABU	**1KS20CS112**
VUMMANENI CHARAN	**1KS20CS113**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Kumar K]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

External Viva

Name of the Examiners	**Signature with Date**
1. Bhavana Nagaraj	28/5/24
2. Dr. Rekha.B. Venkatapur	28/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"Vitamin C & B Deficiency Detection and Recommendation System Using Machine Learning"** is a bonafide work carried out by:

Vaishnavi M	**1KS20CS107**
K R Sahana	**1KS20CS118**
Sneha A S	**1KS20CS119**
Sanjana G	**1KS20CS123**

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 in the report deposited in the department library. 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	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr.Harshavardhan J R]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]
Name of the Examiners	**External viva**	**Signature with Date**
1. Bharana Nagaraj		28/5/24
2. Dr. Rekha. B. Venkatapur		28/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"Smart Unusual Event Detection Using Low Resolution Camera For Enhanced Security"** is a bonafide work carried out by:

ASHRIT MADHAV	**1KS20CS116**
DEEPAK S	**1KS20CS117**
AJAY GIRISH	**1KS20CS120**
SAKSHAM SINGH	**1KS20CS121**

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 requirementsin the report of project work prescribed for the Bachelor of Engineering degree.

.....	.....	.....
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal & Director**
[Mr. Prashanth H S]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiner	**Signature with Date**
1. Vijaya. S.C	29/5/24
2. Dr. Rekha. B. Venkatapur	27/5/24

K. S. Institute of Technology

#14, Raghuvanahalli, Kanakapura Road, Bengaluru - 560109

Department of Computer Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-II (18CSP83) entitled **"SciExploreAR: REVOLUTIONIZED LEARNING WITH AUGMENTED REALITY"** is a bonafide work carried out by:

SANJEEV KULKARNI	**1KS21CS403**
SUHAS R	**1KS21CS405**
VAISHNAVI S SHARMA	**1KS21CS406**
VIDHYA J	**1KS21CS407**

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 in the report deposited in the department library. 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.

Rashmi. H		
Signature of the Guide	**Signature of the HOD**	**Signature of the Principal & Director**
[Rashmi H]	[Dr. Rekha B. Venkatapur]	[Dr. Dilip Kumar K]

External Viva

Name of the Examiners	**Signature with Date**
1. Laxmi. M. C	29/5/24
2. RAGHAVENDRACHAR S	29/05/2024