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14/5, Chikkasandra, Hesaragatta Main Road, Bengaluru-560057



Department of Information Science and Engineering

Project Work 18CSP83

Batch No	Guide	Student Names	USN	Project title
B1	Dr H R Ranganatha	ADITYA PRAKASH MISHRA	1SG20IS004	AI ASSISTED TELE MEDICINE KIOSK IN RURAL INDIA
		GANESH R	1SG20IS033	
		NAVNEETH K	1SG20IS055	
		SACHIN K N	1SG20IS077	
B2	Prof. Gayathri R	HARSHITH M P	1SG20IS036	LUMPY DISEASE CLASSIFICATION USING DEEP LEARNING
		K M SUMUKH KASHYAP	1SG20IS041	
		KARTIK VIRUPAKSHAPPA RODAGAI	1SG20IS043	
		KEERTHAN KUMAR NAYAK	1SG20IS044	
B3	Prof. Ramya R	DHANUSH V R	1SG20IS027	DEEP NEURAL NETWORK-BASED GRAIN ADULTERATION DETECTION
		DUSHYANTH R	1SG20IS030	
		GAGAN S ADITYA	1SG20IS031	
		HEMANTH GOWDA M	1SG20IS038	
B4	Prof. Swetha K B	DISHA S	1SG20IS028	AUTOMATED INVIOABLE SKULL CAP USING UBIQUITOUS COMPUTING
		MANJUNATHA A	1SG20IS051	
		NAMRATHA H	1SG20IS054	
		NISCHITHA S M	1SG20IS060	
B5	Prof. Ambika S	ADITI ARYA	1SG20IS002	VICTIM DETECTION UNDER DEBRIS ENVIRONMENT USING DEEP LEARNING FEATURES
		B S VINAY KRISHNA	1SG20IS013	
		KRUTHIKA K P	1SG20IS046	
		NEHA K	1SG20IS056	

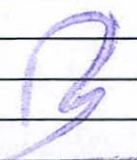
Principal

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	Prof.Vasanthalakshmi M	BHOOMIKA B N	1SG20IS018	KNEE OSTEOARTHRITIS DETECTION USING MACHINE LEARNING AND RADIOGRAPHIC IMAGES
B6		DIVYA B N	1SG20IS029	
		HANSHIKA VIJETA	1SG20IS034	
		HITHA R SHETTY	1SG20IS039	
		ADITYA KUMAR GUPTA	1SG20IS003	DETECTION OF PARTICULATE MATTER IN AIR IN DIFFERENT TIERS OF CITIES USING ML ALGORITHMS
B 7	Dr H R Ranganatha	ANKITHA HATWAR K K	1SG20IS010	
		APURVA ANAND	1SG20IS012	
		BHISHAM NARAYAN	1SG20IS017	
B8		ANIMESH DWIVEDI	1SG20IS008	
	Prof. Priyanka M R	CHIRAG TILWANI	1SG20IS023	PHISHING DETECTION OF MALICIOUS URL USING MACHINE LEARNING
		HARDIK SINGH	1SG20IS035	
		LAVKESH PRASAD	1SG20IS048	
		CHANDAN R	1SG20IS021	SELF GUIDED MACHINE LEARNING APPLICATION FOR RAILWAY SAFETY IMPROVEMENTS
B9	Prof. Roopa K T	CHETHAN S	1SG20IS022	
		LOHITH REDDY V K	1SG20IS049	
		MADHUSUDHAN E	1SG20IS050	
B10	Prof. Nandini Gowda P	AISHWARYA L	1SG20IS006	LUNG RETINANET : LUNG CANCER PREDICATION AND CLASSIFICATION
		DEEKSHA S	1SG20IS025	
		DEVIKA V NAYAK	1SG20IS026	
		NAGAVENI R	1SG20IS053	
B11	Dr .Bhagya D	ADARSH C	1SG20IS001	
		AKASH KURARA	1SG20IS007	MULTI LABEL MULTIMODAL EMOTION RECOGNITION SYSTEM
		ANIRUDH N R	1SG20IS009	
		NIKHIL P JINGADE	1SG20IS057	

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	Prof. Chandrashekar C M	DARSHAN S	1SG20IS024	BRAIN STROKE PREDICTION USING MACHINE LEARNING
B12		HEMANTH B C	1SG20IS037	
		K RAGHU	1SG20IS042	
		N CHARAN REDDY	1SG20IS052	
		AISHWARYA	1SG20IS005	
B13	Prof. Ramya R	ANKITHA M S	1SG20IS011	ANOMALY DETECTION IN VIDEOS FOR VIDEO SURVEILLANCE USING NEURAL NETWORKS
		CHAITHRA S	1SG20IS019	
		GANAVI J	1SG20IS032	
B14	Prof. Suma J	BAZGHA DASTAGIR	1SG20IS014	ML AND CNN BASED INSIGHTS INTO AUTISM SPECTRUM DISORDER
		JEEVITHA J HEGDE	1SG20IS040	
		KRUTHAGNA G	1SG20IS045	
		LAKSHMITHA N R	1SG20IS047	
B15	Prof. Manasa P M	BHARATHI D	1SG20IS015	DEEP LEARNING FOR OVARIAN CANCER SUBTYPE CLASSIFICATION USING HISTOPATHOLOGICAL IMAGES
		BHAVYA G	1SG20IS016	
		CHAITRAASHREE C	1SG20IS020	
		NIRANJANA SURESH	1SG20IS058	
		R S RAHUL	1SG20IS072	DETECTION OF PARKINSON'S DISEASE USING DEEP LEARNING
B16	Dr H R Ranganatha	SHREYAS A P	1SG20IS085	
		SUHAS S	1SG20IS096	
		VASISTA DATTATREYA BHAT	1SG20IS110	
		PRAVEEN NARAYAN HEGDE	1SG20IS069	
B17	Prof. Gayathri R	SURYANSH KUMARSRIVASTAVA	1SG20IS100	BONE FRACTURE DETECTION SYSTEM USING IMAGE PROCESSING AND MACHINE LEARNING
		UTKARSH KUMAR	1SG20IS105	
		YASHASWINI B N	1SG20IS116	


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		NISHA SHETTY	1SG20IS061	OPTIMIZED LIGHT WEIGHT FRAMEWORK FOR CLIENT DRIVEN VIDEO
B18	Prof. Ramya R	PYDIPALLA RASHMI	1SG20IS071	SUMMARIZATION USING 2D CNN
		RAKSHA	1SG20IS074	
		SATVIKA K	1SG20IS080	
		SHALINI H	1SG20IS081	
B19	Dr .Bhagya D	SHARANYA N S	1SG20IS082	BREAST CANCER PREDICTION USING MACHINE LEARNING TECHNIQUES
		SHREERAKSHA GANESH	1SG20IS084	
		SUKEERTHI REDDY K	1SG20IS097	
		SMITHA S V	1SG20IS092	AUTOMATED VISION-BASED SURVEILLANCE SYSTEM TO DETECT AND UPLIFT
B20	Prof. Ambika S	SNEHA E	1SG20IS093	DROWNING INCIDENTS IN SWIMMING POOLS
		SUPRIYA B	1SG20IS098	
		SUPRIYA N R	1SG20IS099	
B21	Prof. Gayathri R	RAHUL ADITHYA B M	1SG20IS073	VISION BASED SYSTEM FOR ACCIDENT DETECTION USING AI/ML
		SHYAM G	1SG20IS090	
		THANUSH T D	1SG20IS102	
		VIVEK C	1SG20IS115	
B22	Dr. Bhagya D	PRASHANTH L	1SG20IS068	TUBERCULOSIS DETECTION FROM CHEST X-RAY IMAGES
		RANJITH R	1SG20IS075	
		RUTHWIK D J	1SG20IS076	
		SANDESH HN	1SG20IS079	
		PAVAN R	1SG20IS066	
B23	Prof. Priyanka M R	SUDHASH R	1SG20IS095	GPS BASED VEHICLE MONITORING SYSTEM USING IOT
		THARUN S PETKAR	1SG20IS103	
		BHAVYA H V	1SG20IS400	




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		NITHIN SEERAPPA R	1SG20IS063	SECURE FILE STORAGE USING HYBRID CRYPTOGRAPHY ON CLOUD
B24	Prof. Roopa K T	PRACHI SINHA	1SG20IS067	
		SWEETY BOURI	1SG20IS101	
		VIPIN KUMAR YADAV	1SG20IS113	
		NISHI SINGH	1SG20IS062	GREEN HOUSE MONITORING AND CONTROLLING USING IOT AND ML
B25	Prof. Nandini Gowda P	PALLAVI V B	1SG20IS065	
		VARSHITHA Y B	1SG20IS109	
		YASHASWINI M KORI	1SG20IS117	
		SAFIYABI	1SG20IS078	UNRAVELING MALICIOUS CO-EXISTENCE IN ANDROID APPLICATIONS
B26	Prof. Swetha K B	SHRUTI JAISWAL	1SG20IS086	
		SHRUTI KISHORE	1SG20IS087	
		VARSHITHA S	1SG20IS108	
B27	Prof. Chandrashekar C M	SHWETA VIRUPAKSHJALALAPURE	1SG20IS088	EARLY DETECTION OF CARDIAC ARRHYTHMIAS USING ENSEMBLE
		SHWETHA M	1SG20IS089	TECHNIQUE WITH SMART IOT WEARABLE DEVICE.
		VAISHNAVI U	1SG20IS106	
		YUKTHA R	1SG20IS118	
	Prof.Vasanthalakshmi M	NITHIN T S	ISG20IS064	AI BASED MALARIA DETECTION USING CNN
B28		SHASHANK M	ISG20IS083	
		VENKATESH K	ISG20IS111	
		VENU M	1SG20IS112	
B29	Prof. Suma J	PREETI GALAGALI	1SG20IS070	VEHICLE MOVEMENT MONITORING IN FLOODED UNDERPASS USING IOT
		SINCHANA G	1SG20IS091	AND ML
		SRUSHTI BASAVARADDI	1SG20IS094	
		VANDANA A	1SG20IS107	

Project Co-ordinator

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Dr H R Ranganatna
HOD - ISE
Prof. & H.O.D
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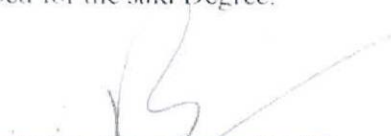
Department of Information Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "AI ASSISTED TELE-MEDICINE KIOSK IN RURAL INDIA" carried out by Mr. Aditya Prakash Mishra (1SG20IS004), Mr. Ganesh R (1SG20IS033), Mr. Navneeth K (1SG20IS055), Mr. Sachin K N (1SG20IS077), bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.



Signature of HOD and guide
 Dr. H R Ranganatha
 Professor and Head


Signature of Principal
 Dr. H Ramakrishna
 Principal

Name of the Examiners

1. N. YOGESH
 2. GAYATHRI R

Signature with date

N. YOGESH 27/5/24
GAYATHRI R 27/5/24


 Principal

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CERTIFICATE

Certified that the **Project Work Phase-2 (18CSP83)** entitled "Deep Neural Network-Based Grain Adulteration Detection" carried out by **Dhanush V.R (1SG20IS027)**, **Dushyanth R (1SG20IS030)**, **Gagan S Aditya (1SG20IS031)**, **Hemanth Gowda M (1SG20IS038)**, bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.

Signature of the Guide

Prof. Ramya R
Assistant Professor

Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head

Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. N. YOGESH
2. GAYATHRI R

Signature with date

N. Yogesh 27/5/24
Gayathri R 27/5/24

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Department of Information Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "AUTOMATED INVIOLEABLE SKULL CAP USING UBIQUITOUS COMPUTING" carried out by DISHA S [ISG20IS028],
SUNILNATH A [ISG20IS050], NAMRATHA H [ISG20IS054], NISCHITHA S M [ISG20IS060]
side students of 8th semester, Department of Information Science & Engineering was carried out
at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of
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University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for
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prescribed for the said Degree.

Signature of the Guide
Dr. Swetha KB
Assistant Professor

Signature of the HOD
Dr. H.R. Ranganatha
Professor & Head

Signature of Principal
Dr. H. Ramakrishna
Principal

Name of the Examiners

N. Yogesh H

GAYATHRI R

Principal

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N. Yogesh 27/5/24

Gayathri R 27/5/24




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Certified that the Project Work Phase-2 (18CSP83) entitled "A Novel Method Using Deep Learning Features for Disaster Victim Detection in Debris Environments" carried out by Ms. ADITI ARYA (1SG20IS002), Mr. B S VINAY KRISHNA (1SG20IS013), Ms. KRUTHIKA K P (1SG20IS046), Ms. NEHA K (1SG20IS056) bonafide students of 5th semester, Department of Information Science & Engineering was carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.


Signature of the Guide

Prof. Ambika S
Assistant Professor

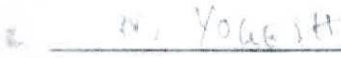


Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head

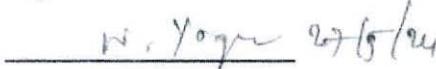


Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. 
2. 

Signature with date

 27/5/24
 27/5/24


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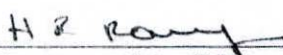
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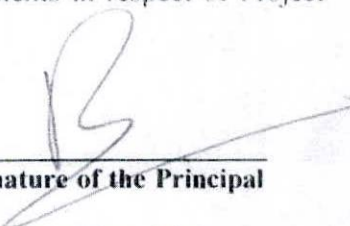
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Signature of the Guide

Prof. Vasanthalakshmi M
Assistant Professor


Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head



Signature of the Principal
Dr. H Ramakrishna
Principal

Name of the Examiners

1. N. YOGESH

2. GAYATHRI R



Signature with date

 N. Yogesh 27/5/24

 Gayathri R 27/5/24

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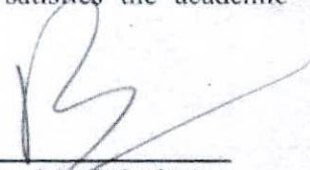
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Signature of the Guide
 Dr. H.R. Ranganatha
 Professor & Head


Signature of the HOD
 Dr. H.R. Ranganatha
 Professor & Head



Signature of the Principal
 Dr. H. Ramakrishna
 Principal


Name of the Examiners

1. N. YOGESH

2. GAYATHRI

Signature with date

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 Gayathri 22/5/24

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Certified that the **Project Work Phase-2 (18CSP83)** entitled "**SELF-GUIDED MACHINE LEARNING APPLICATIONS FOR RAILWAY SAFETY IMPROVEMENTS**" carried out by **Mr. Chandan R (1SG20IS021), Mr. Chethan S (1SG20IS022), Mr. Lohith Reddy V K (1SG20IS049), Mr. Madhusudhan E (1SG20IS050)**, bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college **Sapthagiri College of Engineering, Bengaluru** in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.

Roopa K T

Signature of the Guide
Prof. Roopa K T
Assistant Professor

H R Ranganatha

Signature of the HOD
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Professor & Head

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Signature of the Principal
Dr. H Ramakrishna
Principal

Name of the Examiners

1.

Mr. Yogesh

2.

GAYATHRI R

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Gayathri R 22/5/24

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for A.G.S

Signature of the Guide
Prof. Nandini Gowda P
Assistant Professor

H.R.

Signature of the HOD
Dr.H R Ranganatha
Professor & Head

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Dr.H Ramakrishna
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Signature with Date

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2. GAYATHRI R

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Bengaluru - 560 057

N. Yogesh 28/5/24
Gayathri R 28/5/24



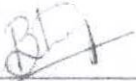
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DEPARTMENT OF ISE





Department of Information Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "MULTI-LABEL MULTIMODAL EMOTION RECOGNITION SYSTEM" carried out by Mr. Adarsh C (1SG20IS001), Mr. Akash Kurara (1SG20IS007), Mr. Anirudh N R (1SG20IS009), Mr. Nikhil P Jingade (1SG20IS057), bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.


Signature of the Guide
Dr. Bhagya D
Assistant Professor


Signature of the HOD
Dr. H R Ranganatha
Professor & Head



Signature of the Principal
Dr. H Ramakrishna
Principal


Name of the Examiners

1. N. YOGESH

2. GAYATHRI R



Signature with date

 N. Yogesh 28/5/24

 Gayathri R 28/5/24

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

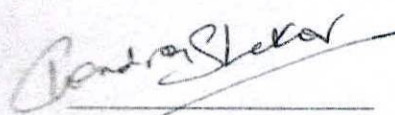
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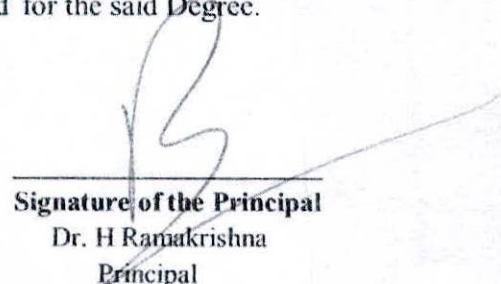
Certified that the **Project Work Phase-2 (18CSP83)** entitled **"BRAIN STROKE PREDICTION USING MACHINE LEARNING"** carried out by **Mr. Darshan S (1SG20IS024), Mr. Hemanth B C (1SG20IS037), Mr. K Raghu (1SG20IS042), Mr. N Charan Reddy (1SG20IS052)**, bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college **Sapthagiri College of Engineering, Bengaluru** in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.



Signature of the Guide
Prof. Chandrashekar C M
Assistant Professor



Signature of the HOD
Dr. H R Ranganatha
Professor & Head



Signature of the Principal
Dr. H Ramakrishna
Principal


Name of the Examiners

Signature with date

1. Mr. Yogesh

Mr. Yogesh 20/5/24

2. Gayathri R

 Gayathri R 28/5/24

Principal

Sapthagiri College of Engineering
 14/5, Chikkasandra, Hesarghatta Main Road
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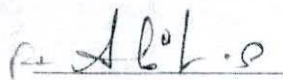
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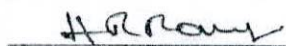
Department of Information Science & Engineering

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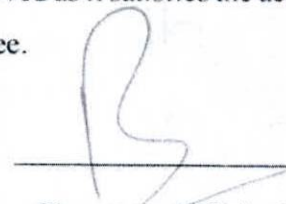
Certified that the Project Work Phase-2(18CSP83) entitled "ANOMALY DETECTION FOR VIDEO SURVEILLANCE USING CNN" carried out by AISHWARYA (1SG20IS005), ANKITHA MS (1SG20IS011), CHAITHRA S(1SG20IS019), GANAVI J(1SG20IS032) bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.



Signature of the Guide
Prof. Ramya R
Assistant Professor



Signature of the HOD
Dr H R Ranganatha
Professor & Head



Signature of Principal
Dr H Ramakrishna
Principal

Name of the Examiners

1. N. YOGESH
2. GAYATHRI R

Signature with Date

N. YOGESH 28/5/24
GAYATHRI R 28/5/24



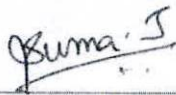
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hosaraghatta Main Road
Bengaluru - 560 057



Department of Information Science & Engineering

CERTIFICATE

Certified that the **Project Work Phase-2 (18CSP83)** entitled "**ML AND CNN BASED INSIGHTS INTO AUTISM SPECTRUM DISORDER**" carried out by **Bazgha Dastagir (1SG20IS014)**, **Jeevitha J Hegde (1SG20IS040)**, **Kruthagna G (1SG20IS045)**, **Lakshmitha NR (1SG20IS047)**, bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college **Sapthagiri College of Engineering, Bengaluru** in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023-2024. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said degree.



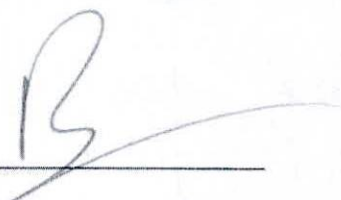
Signature of the Guide

Prof. Suma J
Assistant Professor



Signature of the HOD

Dr. H R Ranganatha
Professor & Head



Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. N. YOGESH
2. GAYATHRI R

Signature with date

N. Yogesh 28/5/24
Gayathri R 28/5/24



Principal

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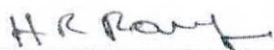


Department of Information Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "A COMPARATIVE STUDY OF
EARLY DETECTION OF PARKINSON'S DISEASE USING MACHINE LEARNING
TECHNIQUES" carried out by **RAHUL R S** (1SG20IS072), **SHREYAS A P** (1SG20IS085), **SUHAS S**
(1SG20IS096) and **VASIST BHAT** (1SG20IS110)

bonafide students of 8th semester, Department of Information Science & Engineering was carried out
at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of
Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya
Technological University, Belagavi during the year 2023-24. It is certified that all
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academic requirements in respect of Project work Phase-2 prescribed for the said Degree.



Signature of the Guide

Dr. H.R. Ranganatha
Professor & Head



Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head


Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. N. Yogesh

2. GAYATHRI





Principal

Sapthagiri College of Engineering
14/5, Chikkagandra, Hesaraghatta Main Road
Bengaluru - 560 057

Signature with date

N. Yogesh 28/5/24

Gayathri 28/5/24

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Department of Information Science & Engineering

CERTIFICATE

Certified that the Project Work Phase-2 (18CSP83) entitled "BONE FRACTURE DETECTION SYSTEM USING IMAGE PROCESSING AND MACHINE LEARNING" carried out by Mr. Praveen N Hegde (1SG20IS069), Mr. Suryansh Kumar Srivastava (1SG20IS100), Mr. Utkarsh Kumar (1SG20IS105), Ms. Yashaswini B N (1SG20IS116), bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during theyear 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report hasbeen approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.

Gayathri R
Signature of the Guide

Prof. Gayathri R
Assistant Professor

H R Ranganatha
Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head

[Signature]
Signature of the Principal
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560 057

Name of the Examiners

1. N. YOGESH

2. GAYATHRI R

Signature with date

N. Yogan 28/5/24

Gayathri R 28/5/24

Principal
Sapthagiri College of Engineering
 14/5, Chikkasandra, Hesaraghatta Main Road
 Bengaluru - 560 057



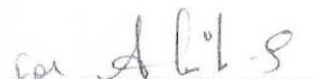
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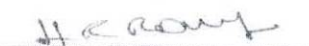
Department of Information Science & Engineering

CERTIFICATE


Certified that the **Project Work Phase-2 (18CSP83)** entitled "**OPTIMIZED LIGHTWEIGHT FRAMEWORK FOR CLIENT-DRIVEN VIDEO SUMMARIZATION USING 2D CNN**" carried out by Ms. Nisha Shetty (1SG20IS061), Ms. Pydipalla Rashmi (1SG20IS071), Ms. Raksha (1SG20IS074) and Ms. Satvika K (1SG20IS080) bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.


Signature of the Guide

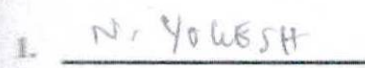
Prof. Ramya R
Assistant Professor


Signature of the HOD

Dr. H R Ranganatha
Professor & Head

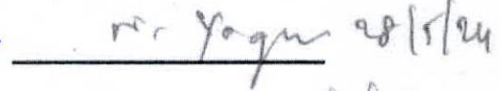

Signature of the Principal

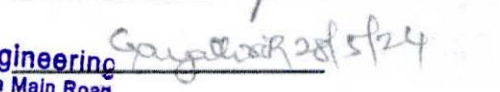
Dr. H Ramakrishna
Principal

Name of the Examiners
1. 

2. 


Principal

Signature with date
 28/5/24

 28/5/24

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
Bengaluru - 560 057




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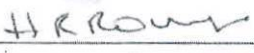
Department of Information Science & Engineering

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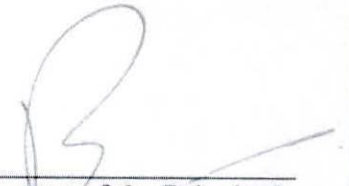
Certified that the Project Work Phase-2 (18CSP83) entitled "PREDICTION OF BREAST CANCER AND ITS STAGES" carried out by Ms. Shalini H (1SG20IS081), Ms. Sharanya NS(1SG20IS082), Ms. Shreeraksha Ganesh Naik (1SG20IS084) and Ms. Sukeerthi Reddy K (1SG20IS097) bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.


Signature of the Guide

Dr Bhagya D
Assistant Professor

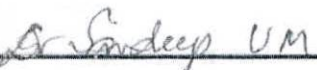
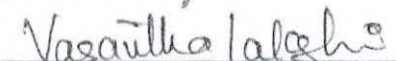

Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head



Signature of the Principal


Dr. H Ramakrishna
Principal

Name of the Examiners

1. 
Dr. Sandeep UM
2. 
Vasanthika Lalitha

Signature with date


29/5


29/5


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
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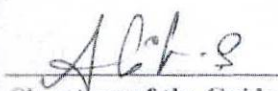
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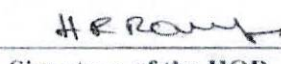


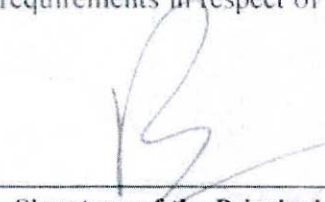
Department of Information Science & Engineering

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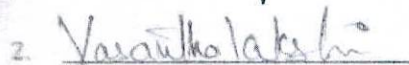
Certified that the Project Work Phase-2 (18CSP83) entitled "AUTOMATED VISION-BASED SURVEILLANCE SYSTEM TO DETECT AND UPLIFT DROWNING INCIDENTS IN SWIMMING POOLS" carried out by Ms. Smitha S V (1SG20IS092), Ms. Sneha E (1SG20IS093), Ms. Supriya B (1SG20IS098), Ms. Supriya N R (1SG20IS099), bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.


Signature of the Guide
Prof. Ambika S
Assistant Professor


Signature of the HOD
Dr. H.R. Ranganatha
Professor & Head


Signature of the Principal
Dr. H. Ramakrishna
Principal

Name of the Examiners


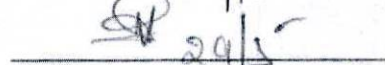
1. 
2. 



Principal

Sapthagiri College of Engineering
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Bengaluru - 560 057

Signature with date



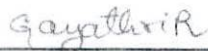
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Department of Information Science & Engineering

CERTIFICATE

Certified that the **Project Work Phase-2 (18CSP83)** entitled "**VISION BASED ACCIDENT DETECTION SYSTEM USING AI/ML**" carried out by Mr. Rahul Adithya B M (1SG20IS073), Mr. Shyam G (1SG20IS090), Mr. Thanush T D (1SG20IS102) and Mr. Vivek C (1SG20IS115) bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.



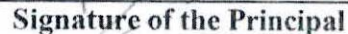
Signature of the Guide

Prof. Gayathri R
Assistant Professor



Signature of the HOD



Dr. H.R. Ranganatha
Professor & Head



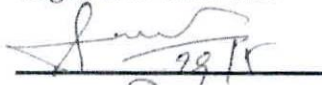

Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. 
2. 

Signature with date



Principal
Sapthagiri College of Engineering
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Bengaluru - 560 057



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DEPARTMENT OF ISE



Department of Information Science & Engineering

CERTIFICATE

Certified that the **Project Work Phase-2 (18CSP83)** entitled "**Tuberculosis Detection From Chest X-Ray Images**" carried out by **Mr. Prashanth L(1SG20IS068)**, **Mr. Ranjith R (1SG20IS075)**, **Mr. Ruthwik D J (1SG20IS076)** and **Mr. Sandesh H N(1SG20IS079)** bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.

Signature of the Guide

Dr. Bhagya D
Assistant Professor

Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head

Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. Dr. Sudeep VM
2. Vasanthakalaksh

Signature with date

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Rd.
Bengaluru - 560 057


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Department of Information Science & Engineering

CERTIFICATE

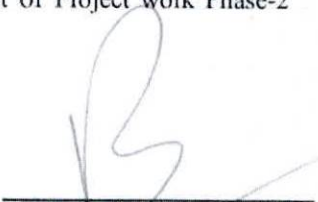
Certified that the **Project Work Phase-2 (18CSP83)** entitled —**GPS BASED VEHICLE MONITORING SYSTEM USING IOT** carried out by **Mr. Pavan R (1SG20IS066)**, **Mr. Sudhash R (1SG20IS095)**, **Mr. Tharun S Petkar (1SG20IS103)** and **Ms. Bhavya H V (1SG21IS400)** bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.


 Signature of the Guide

Prof. Priyanka MR
Assistant Professor

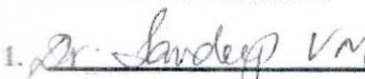


 Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head

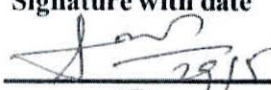


 Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. 
2. 

Signature with date

 29/5
 29/5

Principal
Sapthagiri College of Engineering
 14/5, Chikkasandra, Hesaraghatta Main Road
 Bengaluru - 560 057



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Department of Information Science & Engineering

CERTIFICATE

Certified that the **Project Work Phase-2 (18CSP83)** entitled "**SECURE FILE STORAGE USING HYBRID CRYPTOGRAPHY ON CLOUD**" carried out by **Mr. NITHIN SEERAPA R (1SG20IS063)**, **Ms Prachi Sinha (1SG20IS067)**, **Ms. Sweety Bouri (1SG20IS101)**, **Mr. Vpin Kumar Yadav (1SG20IS113)**, bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.

Roopa KT

Signature of the Guide

Prof. ROOPA K T
Assistant Professor

H R Ranganatha

Signature of the HOD

Dr. H R. Ranganatha
Professor & Head

H Ramakrishna

Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. *Dr. Sandeep VM*

2. *Vasanthakalakshi*

Signature with date

[Signature] 29/5

[Signature] 29/5

[Signature]
Principal

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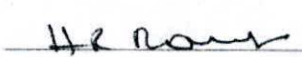
Department of Information Science & Engineering

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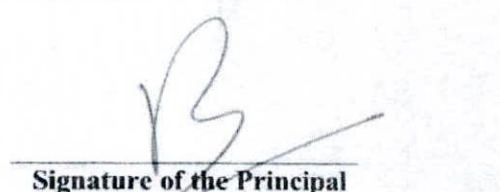
Certified that the **Project Work Phase-2 (18CSP83)** entitled "**GREEN HOUSE MONITORING AND CONTROL USING IOT AND ML**" carried out by **Ms. Nishi Singh (1SG20IS062), Ms.Pallavi V B (1SG20IS065) ,Ms. Varshitha Y B (1SG20IS109) and Ms.Yashaswini M Kori (1SG20IS117)** bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Project Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase-2 prescribed for the said Degree.

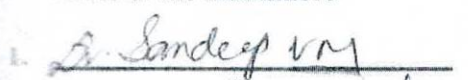
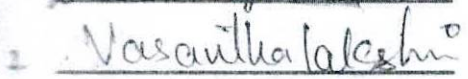

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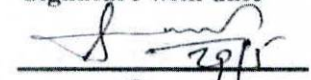

Prof. Nandini Gowda P
 Assistant Professor


Signature of the HOD



Dr.HR.Ranganatha
 Professor & Head


Signature of the Principal
 Principal
 Sapthagiri College of Engineering
 Chikkasandra, Hesaraghatta Road,
 Bangalore-560 057

Name of the Examiners
 1. 
 2. 

Signature with date




Principal
 Sapthagiri College of Engineering
 14/5, Chikkasandra, Hesaraghatta Main Road
 Bengaluru - 560 057

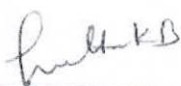
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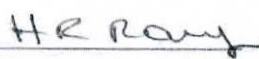
CERTIFICATE

Certified that the **Project Work Phase-2 (18CSP83)** entitled "**UNRAVELING MALICIOUS CO-EXISTENCE IN ANDROID APPLICATION**" carried out by **Ms. Safiya Bi (1SG20IS078)**, **Ms. Shruti Jaiswal (1SG20IS086)**, **Ms. Shruti Kishore (1SG20IS087)** and **Ms. Varshitha S (1SG20IS108)** bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college **Sapthagiri College of Engineering**, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering** of the **Visvesvaraya Technological University**, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Projectwork Phase-2 prescribed for the said Degree.



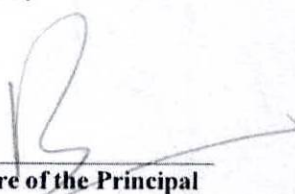
Signature of the Guide

Dr. Swetha K B
 Assistant Professor



Signature of the HOD

Dr. H.R. Ranganatha
 Professor & Head



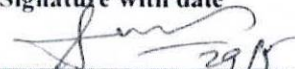
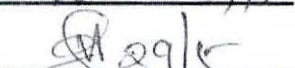
Signature of the Principal

Dr. H Ramakrishna
 Principal

Name of the Examiners

1. Dr. Sandeep VM
2. Vasanthakalashini

Signature with date

1.  29/5
2.  29/5



Principal
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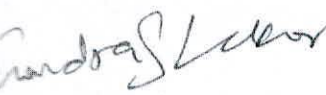
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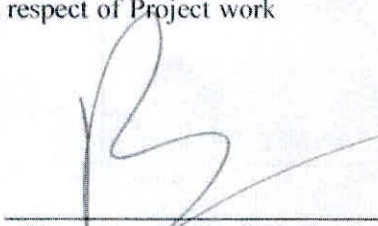
Certified that the Project work entitled "Early detection of cardiac arrhythmia using ensemble technique with smart iot wearable device" phase-2 carried out by **Shweta Jalalapure(1SG20IS088)**, **Shwetha M(1SG20IS089)**, **Vaishnavi U(1SG20IS106)** and **Yuktha R(1SG20IS118)** bonafide students of 8th semester, Department of Information Science & Engineering carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi** during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide

Prof. Chandrashekar C M
Assistant Professor

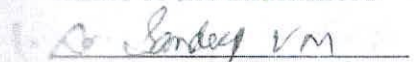


Signature of the HOD

Dr. H R Ranganatha
Professor & Head

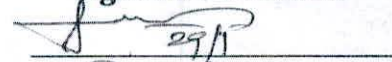
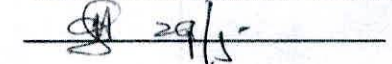

Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. 
2. 

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CERTIFICATE

Certified that the Project Work (18CSP83) entitled "AI BASED MALARIA DETECTION USING CNN" carried out by Mr. Nithin TS (1SG20IS064), Mr. Shashank M (1SG20IS083), Mr. Venkatesh K (1SG20IS111) and Mr. Venu M (1SG20IS112) bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Prof. Vasanthalakshmi M
Assistant Professor

Signature of the HOD

Dr. H.R. Ranganatha
Professor & Head

Signature of the Principal

Dr. H Ramakrishna
Principal

Name of the Examiners

1. Dr. Sandeep VM
2. Vasanthalakshmi

Signature with date

[Signature] 20/5
[Signature] 20/5

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CERTIFICATE

Certified that the **Project Work Phase-2 (18CSP83)** entitled **"VEHICLE MOVEMENT MONITORING IN FLOODED UNDERPASS USING IoT AND ML"** carried out by **Ms. Preeti Galagali (1SG20IS070), Ms. Sinchana G (1SG20IS091), Ms. Srushti Basavaraddi (1SG20IS094) and Ms. Vandana A (1SG20IS107)** bonafide students of 8th semester, Department of Information Science & Engineering was carried out at our college Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Information Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2022-23. It is certified that all corrections/suggestions indicated for Final Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work Phase-2 prescribed for the said Degree.

Signature of the Guide
Prof. Suma J
Assistant Professor

Signature of the HOD
Dr. H R Ranganatha
Professor & Head

Signature of the Principal
Dr. H Ramakrishna
Principal

Name of the Examiners

1. Dr. Sandeep V M
2. Vasanthakalakshi

Signature with date

20/5
 30/5

Principal
Sapthagiri College of Engineering
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