

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "IMPROVING OUTDOOR EMERGENCY LOCATION IDENTIFICATION WITH RURAL AND REMOTE CONNECTIVITY FOR EFFICIENT ROUTING" carried out by ARYA SINHA (1SG20CS016), AVEEK CHAKRABORTY (1SG20CS018), CHANDANA D S (1SG20CS025), CHANDANA V (1SG20CS026), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

Signature of the Guide
Dr. Kamalakshi Naganna
Professor & Head

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Mrs. Mani B. A.
2. Dr. Kamalakshi Naganna

Signature with Date

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

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Bengaluru-560057

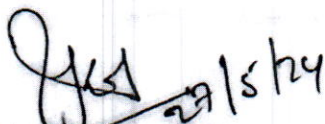
Department of Computer Science and Engineering

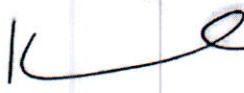
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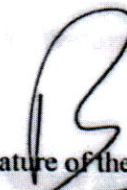


Certificate

Certified that the Project Work entitled "INTELLIGENT MULTI-CHANNEL THREAT DETECTION FOR ENHANCED DATA SECURITY USING DEEP LEARNING" carried out by ARPITHA R (1SG20CS015), CHAITRA D (1SG20CS023), DIVYA B S (1SG20CS033), HRUTHKARSHA D S (1SG20CS047), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Dr. Praveen Kumar K V
Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

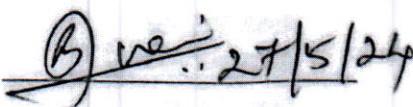
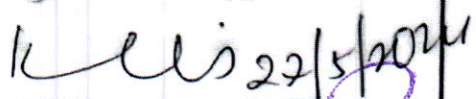

Signature of the Principal
Dr. H. Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Mrs. Vani B. A.
2. Dr. Kamalakshi Naganna

Signature with Date


27/5/24

22/5/2024

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "PREDICTIVE ANALYSIS OF POLYCYSTIC OVARY SYNDROME DAIGNOSIS WITH MACHINE LEARNING" carried out by ARCHANA G (1SG20CS012), ARCHANA S (1SG20CS013), ARPITHA M N (1SG20CS014), JYOTHI N (1SG20CS050), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work (18CSP83) prescribed for the said degree.

H.K. 25/05/24
Signature of the Guide
Prof. Hemalatha K
Assistant Professor

K. L.
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

B.
Signature of the Principal
Dr. H Ramakrishna
Principal

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

EXTERNAL EXAMINATION:

Name of the Examiners

1. Mrs. Vani B-A-
Dr. Kamalakshi Naganna

Signature with Date

B. 27/5/24
K. L. 27/05/2024
Principal

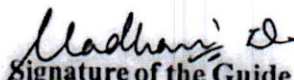
Department of Computer Science and Engineering


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Certificate

Certified that the Project Work entitled "AUTISM SPECTRUM DISORDER PREDICTION USING MACHINE LEARNING" carried out by MONISHA P S (1SG20CS062), NISARGA S (1SG20CS068), NUHUSHAN SHAREEF S (1SG20CS070), SNEHA S (1SG20CS102) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Dr. Madhavi Dasari
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

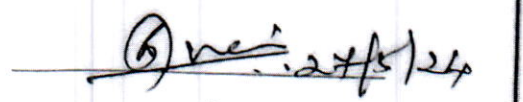


Signature of the Principal
Dr. H Ramkrishna
Principal

EXTERNAL EXAMINATION:

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Principal

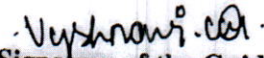
Department of Computer Science and Engineering


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Certificate

Certified that the Project Work entitled "Arrhythmia Disease Diagnosis Based on ECG Time-Frequency Domain Fusion and CNN" carried out by KUMUDHA H I (ISG20CS059), NISARGA S (ISG20CS115), SANDHYA M (ISG19CS407), TEJASWINI M (ISG21CS415), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Vyshnavi M
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

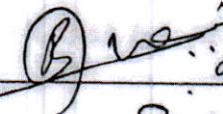


Signature of the Principal
Dr. H. Ramakrishna
Principal
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Chikkasandra, Hesareghatta Road,
Bangalore-560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Mrs. Vani B.A.
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Signature with Date

 27/5/24
 27/5/2024

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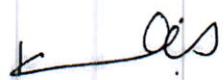
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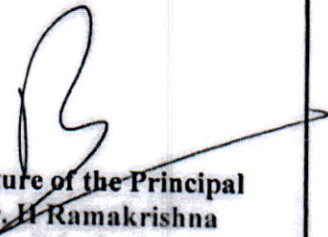


Certificate

Certified that the Project Work entitled "DISTRACTED DRIVER RECOGNITION USING KNOWLEDGE DISTILLATION FRAMEWORK" carried out by APOORVA V (ISG20CS011), BHOOMIKA D K (ISG20CS022), DIVYA N (ISG20CS034), KHUSHI SHEKHAR T C (ISG20CS055), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof Anuradha B
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

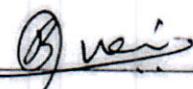
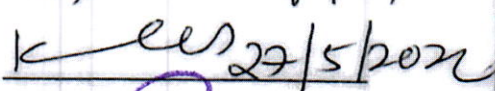
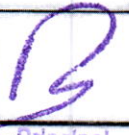

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

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2. Dr. Kamalakshi Naganna

Signature with Date

 27/5/24
 27/5/2024



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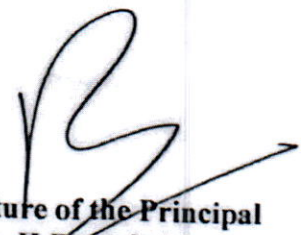


Certificate

Certified that the Project Work entitled "SKIN CANCER DETECTION REDEFINED : HARNESSING THE POWER OF IMAGE PROCESSING AND MACHINE LEARNING" carried out by KAVANA V (1SG21CS408), K S TANMAYI (1SG21CS406), VINDHYA G (1SG20CS111), SANGEETHA G (1SG20CS093), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Shwetha K
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

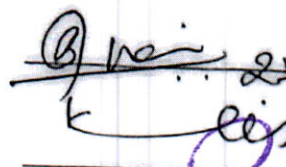

Signature of the Principal
Dr. H Ramakrishna
Principal
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Mrs. Vanis B.D.
2. Dr Kamalakshi Naganna

Signature with Date


24/5/24

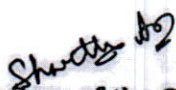
Department of Computer Science and Engineering

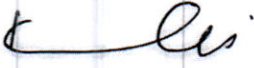
(Accredited by NBA)




Certificate

Certified that the Project Work entitled "A HOLISTIC APPROACH ON AIRFARE PRICE PREDICTION" carried out by PAVITHRA B L (ISG20CS074), SHARATH Y P (ISG20CS095), SHILPA G P (ISG20CS098), VIPIN K S (ISG20CS112), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Shwetha A B
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. H Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Mrs. Vani B. A.
2. Dr. Kamalakshi Naganna

B. Vani 27/5/24
K. A. 27/05/2024

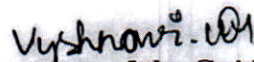
Department of Computer Science and Engineering


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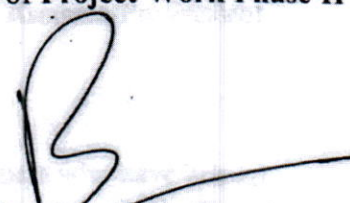


Certificate

Certified that the Project Work entitled "Unified Framework for Safeguarding Cloud Computing through Blockchain Integration" carried out by ANKUSH GOWDA R (1SG20CS009), BHASKAR P (1SG20CS021), CHANDU T R (1SG20CS027), K SARAVANAN (1SG20CS051), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Vyshnavi M
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

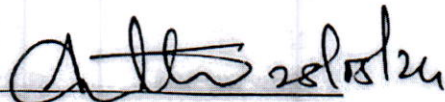
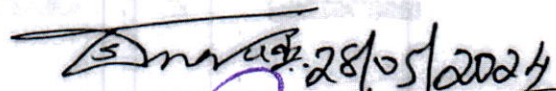

Signature of the Principal
Dr. H Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T-G
2. Dr. S. R. Nayak

Signature with Date



Principal

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14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

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Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "DEEP CONVOLUTIONAL CURVELET TRANSFORM-BASED MRI APPROACH FOR EARLY DETECTION OF ALZHEIMER'S DISEASE" carried out by DEEPTHI S(1SG20CS028), DEEPTHI S HEGDE(1SG20CS029), HARSHITHA J (1SG20CS044), HITHAISHI S(1SG20CS045) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

Signature of the Guide
Dr. Anitha T G
Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

Signature of the Principal
Dr. H Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T G.
2. Dr. S R. Nayak

Signature with Date

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

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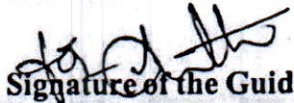
Department of Computer Science and Engineering

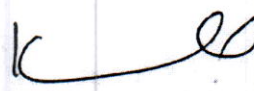
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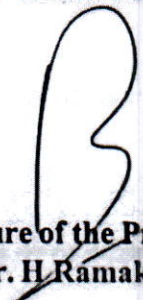


Certificate

Certified that the Project Work entitled "Militant Intrusion Detection using Machine Learning" carried out by CHETHAN K M (1SG20CS404), K KIRAN KUMAR (1SG21CS405), NISHCHITHA B G (1SG21CS412), YASHASWINI P REDDY (1SG21CS417), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Dr. Praveen Kumar K V
Professor


Signature of the HOD
Dr. Kamalakshi
Naganna
Professor & Head

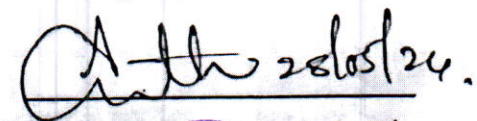
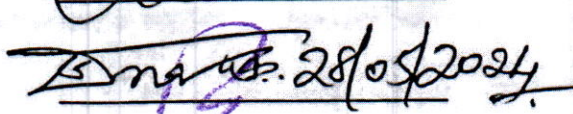

Signature of the Principal
Dr. H. Ramakrishna
Principal
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anisha T. G.
2. Dr. S. R. Nayak

Signature with Date



Principal


Department of Computer Science and Engineering


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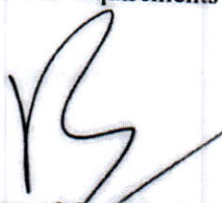


Certificate

Certified that the Project Work entitled "HEART DISEASE PREDICTION USING NOVELQUINE McCLUSKEY BINARY CLASSIFIER" carried out by PREETHAM S G (ISG20CS082), SANTHOSH D (ISG20CS094), SHRAVAN L (ISG20CS100), VIVAN KUSHAL HENEGER (ISG20CS114), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof Shwetha K
Assistant Professor


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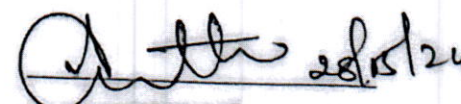
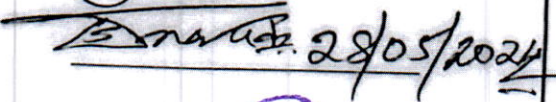

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T.G.
2. Dr. S. R. Nayak

Signature with Date



28/05/2024

Principal

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14/5, Chikkasandra, Hesarghatta Main Road
Bengaluru - 560 057

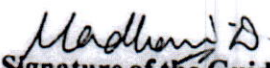
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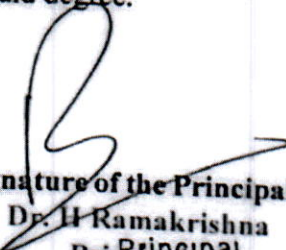


Certificate

Certified that the Project Work entitled "MaJPEG DETECTION USING MACHINE LEARNING" carried out by BADAL KUMAR (ISG20CS019), FAHAD MOHAMMED (ISG20CS036), GAURAV SINGH (ISG20CS039), GAURAV YADAV (ISG20SG040), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


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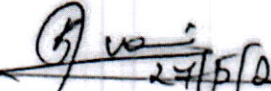


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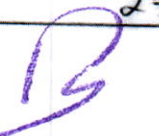
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(Accredited by NBA)



Certificate

Certified that the Project Work entitled "DIAGNOSIS OF VITAMIN DEFECIENCY IN HUMAN BEINGS USING DNN ALGORITHM" carried out by N.PANDURANGE GOWD (ISG20CS063), NAVNEET NAMAN (ISG20CS065), PRAKHAR SURAJ (ISG20CS078), VIDISH GUPTA (ISG20CS110), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

HB 27/05/24
Signature of the Guide
Prof Hemalatha K
Assistant Professor

K 28/05/2024
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

HB
Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T-G
2. Dr. S. R. Nayak

Signature with Date

Anitha 28/05/24
S.R. Nayak 28/05/2024

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
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Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "SMART AEROPONICS SYTEM USING IOT AND ML" carried out by PAVITHRA H(1SG20CS075), SHILPA BIRADAR(1SG20CS097), VANDANA M S (1SG20CS108), VARSHITHA C(1SG20CS109), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

Madhushree
28/5/24
Signature of the Guide
Prof. Madhushree
Assistant Professor

K. Des
28/05/2024
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

B
Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. *Dr. Anitha T. G.*
2. *Dr. S. R. Nayak*

Signature with Date

Anitha 28/05/24.
S. R. Nayak 28/05/2024
B
Principal


Department of Computer Science and Engineering

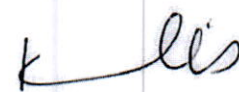
(Accredited by NBA)




CERTIFICATE

Certified that the Project Work entitled "PARKINSON'S DISEASE PREDICTION FROM MRI IMAGES USING THE EFFICIENTNET B3 DEEP LEARNING MODEL" carried out by AISHWARYA LAKSHMI R (ISG20CS005), DYUTHI A I (ISG20CS035), KEERTHANA S (ISG20CS054), NIKSHITHA K (ISG20CS067), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Nagarathna C
Assistant Professor
Dept of CSE, SCE


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head
Dept of CSE, SCE


Signature of the Principal
Dr. H. Ramakrishna
Principal
SCE
Principal

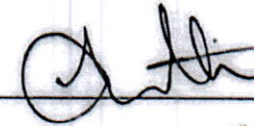
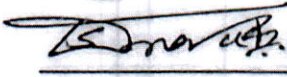
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore - 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Dr. Anitha T. G.
2. Dr. S. R. Nayak

 28/05/24
 28/05/2024

SAPTHAGIRI COLLEGE OF ENGINEERING

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Bengaluru - 560057

Department Of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "EARLY DETECTION OF CARDIAC ARREST IN NEWBORN BABIES AND RECOMMENDATION OF TREATMENT IN CICU" carried out by H N NITHYASREE (1SG20CS041), KAVYA S (1SG20CS053), KRUTHI S (1SG20CS057), MANASA K G (1SG20CS061), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

Bein
27/5/24

Signature of the Guide
Prof. Sheela Rani C M
Assistant Professor

K

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

B

Signature of the Principal
Dr. H Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Ro.
Bangalore-560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T G
2. Dr. S. R. Nayak

Signature with date

A 28/05/2024
Dr. S. R. Nayak 28/05/2024

SAPTHAGIRI COLLEGE OF ENGINEERING

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Bengaluru-560057


Department of Computer Science and Engineering


(Accredited by NBA)




Certificate

Certified that the Project Work entitled "IOT BASED - BED CONTROL AND HEALTH MONITORING SYSTEM" carried out by AISHWARYA S (ISG21CS400), DUSHYANTH G (ISG21CS402), H V MANOJ KUMAR (ISG21CS403), KARAN S NAIDU (ISG21CS407), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof Nagarathna C
Assistant Professor
Dept. of CS&E, SCE


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head
Dept. of CS&E, SCE

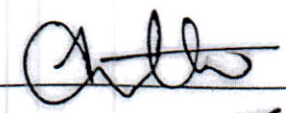

Signature of the Principal
Dr. H. Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Arivitha TG
2. Dr. S. R. Nayak

Signature with Date


28/05/2024
Principal


Department of Computer Science and Engineering

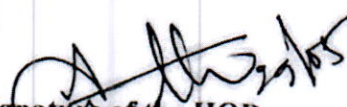
(Accredited by NBA)




Certificate

Certified that the Project work entitled "OPTIMIZED META-HEURISTICS ALGORITHMS FOR ORAL CANCER DETECTION" carried out by NAGARAJU K (1SG20CS064), MANISHA K (1SG21CS409), RACHANA N B (1SG21CS413), S VINODKUMAR (1SG20CS089) bonafide students of Sapthagiri College of Engineering Bengaluru, in partial fulfillment of the award of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi during the year 2023-24. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said Degree.


Signature of the Guide
Dr. Kamalakshi Naganna
Professor & Head


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

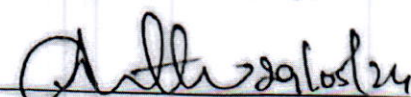
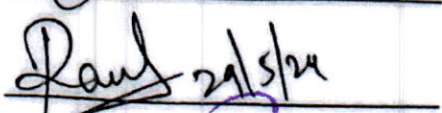

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Dr. Anitha T.G.
2. Ranjana H. 79

Principal

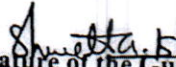
Department of Computer Science and Engineering

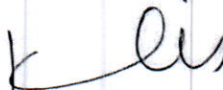
(Accredited by NBA)




Certificate

Certified that the Project Work entitled "MALARIA DETECTION USING CNN AND ELM" carried out by ABHISHEK G B (ISG20CS001), ABHISHEK K J (ISG20CS002), CHANDAN C S (ISG20CS024), GANESH H P (ISG20CS037), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Shwetha K
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. H Kamakrishna
Principal

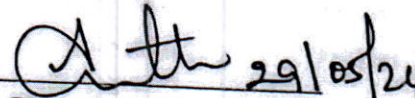
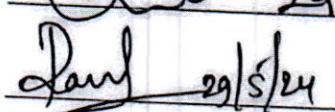
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T. G
2. Dr. Ganesh H. M

Signature with Date

 29/05/24
 29/5/24

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "ENSEMBLE-LEARNING FRAMEWORK FOR INTRUSION DETECTION TO ENHANCE INTERNET OF THINGS' DEVICES SECURITY" carried out by POORNIMA T (1SG20CS076), S MEHAK AFREEN (1SG20CS088), SAHANA N (1SG20CS091), SHREYA SHETTY S (1SG20CS101), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

Signature of the Guide
Prof. Kokila B P
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T-G
2. Ranjitha. H.M

Signature with Date

SAPTHAGIRI COLLEGE OF ENGINEERING

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Bengaluru-560057

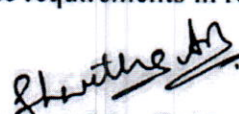
Department of Computer Science and Engineering


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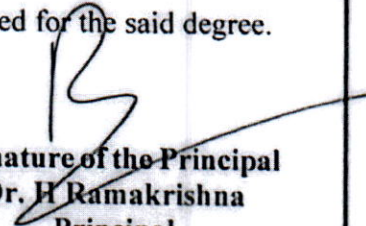


Certificate

Certified that the Project Work entitled "A NOVEL COLLABORATIVE LEARNING MODEL FOR CYBERATTACK DETECTION SYSTEMS IN IOT NETWORKS" carried out by AISHWARYA SINGH (1SG20CS006), ANSTIN GEORGE (1SG20CS010), DEEPTI KULKARNI (1SG20CS030), JISHNU JAYADEVAN (1SG20CS049), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Mrs. Shwetha A B
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

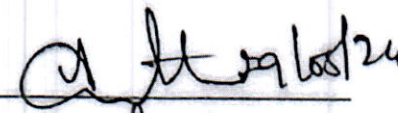
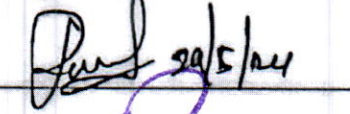

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha TG
2. Dr. H. Ramakrishna

Signature with Date



Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)

(Accredited by NAAC with 'A' Grade) (ISO 9001-2015 & 14001-2015 Certified)

#14/5, Chikkasandra, Hesaraghatta Main Road,

Bengaluru- 560 057

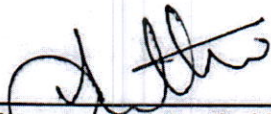
Department of Computer Science and Engineering

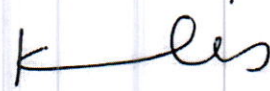
(Accredited by NBA)

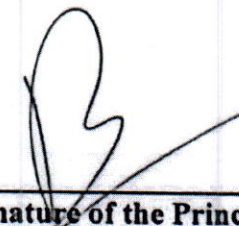


Certificate

Certified that the Project Work entitled "Morse code based Authentication employing Gaze based password entry using Machine Learning" carried out by Akshay Kumar Joshi (1SG20CS008), Devadutta B R (1SG20CS031), Dhanraj P (1SG20CS032), Jayanth M (1SG20CS048), bonafide students of Sapthagiri college of engineering in the partial fulfillment for the award of Bachelor of Engineering degree in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

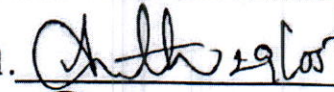
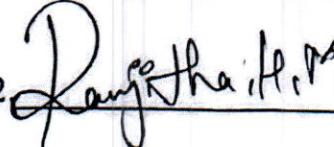

Signature of the Guide
Dr. Anitha T G
Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

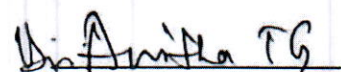
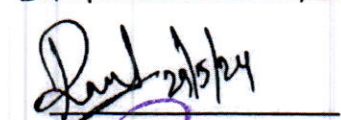

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION

Name of the Examiners

1.  29/05/24
2. 

Signature with date

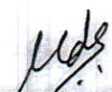
Department of Computer Science and Engineering


(Accredited by NBA)




Certificate

Certified that the Project Work entitled "DIABETES EARLY READMISSION PREDICTION" carried out by ADITYA SINGH (1SG20CS004), AKASH PUJARI (1SG20CS007), HARSH KUMAR (1SG20CS042), KISHAN KUMAR (1SG20SG056), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Dr. Madhavi Dasari
Assistant Professor

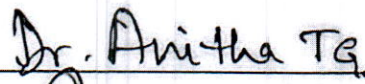
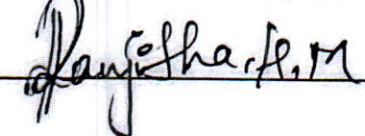

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. H Ramakrishna
Principal
Principal

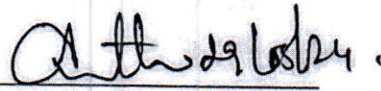
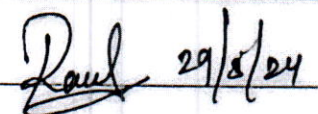
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

1. 
Dr. Anitha TG
2. 
Dr. Anitha TG

Signature with Date


29/8/24

29/8/24

SAPTHAGIRI COLLEGE OF ENGINEERING

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Bengaluru-560057


Department of Computer Science and Engineering

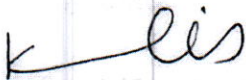
(Accredited by NBA)




Certificate

Certified that the Project Work entitled "IoT Based Railway Safety Management System" carried out by MANOJ S (1SG21CS410), MARUTHI G (1SG21CS411), SAGAR T (1SG21CS414), TRIVENI B G (1SG21CS416), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Anuradha B
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

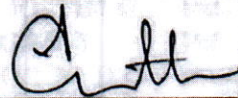

Signature of the Principal
Dr. H. Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

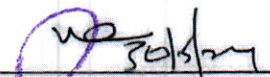
EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha TG
2. Varalakshmi R

Signature with Date

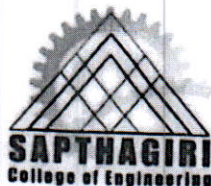
 30/1/24

 30/1/24

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


Department of Computer Science and Engineering

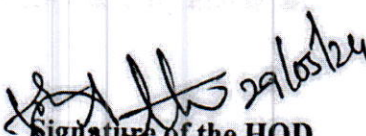
(Accredited by NBA)




CERTIFICATE

Certified that the Project Work' entitled "KNEE OSTEOARTHRITIS DETECTION USING IMPROVED CENTERNET AND PIXEL-WISE VOTING SCHEME" carried out by PRADEEPAKUMAR S (1SG20CS077), SHIVUROOPESH M (1SG20CS099), SURYAKANT (1SG20CS105), VISHWAS H R (1SG20CS113) bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof Nagarathna C
Assistant Professor
Dept of CSE, SCE


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head
Dept of CSE, SCE

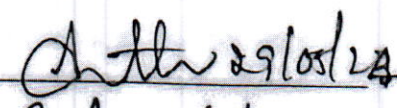
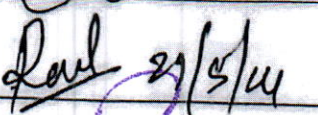

Signature of the Principal
Dr. H Ramakrishna
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore - 560 057

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Dr. Anitha T-G
2. Dr. H. M



Principal

SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi.)
ISO 9001-2015 & 14001-2015 Certified, Accredited by NAAC with 'A' Grade
Bengaluru-560057

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "DEEPPFAKE DETECTION USING DEEP LEARNING ALGORITHMS" carried out by ADITYA ADIGA K (1SG20CS003), NAVEEN KUMAR M(1SG19CS067), PAVAN R (1SG20CS073), PRAMOD KUMAR S J(1SG20CS080), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

Madhushree
28/5/24
Signature of the Guide
Prof. Madhushree
Assistant Professor

Dr. Kamalakshi Naganna
Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

B
Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. *Dr. Anitha TG.*
2. *Rangitha H. M.*

Signature with Date

Anitha TG.
Rangitha H. M. 29/5/24

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

Department of Computer Science and Engineering

(Accredited by NBA)



Certificate

Certified that the Project Work entitled "DESIGN & DEVELOPING HYBRID MODEL FOR GLAUCOMA DETECTION" carried out by KAVIRAJ J (1SG20CS052), DHANUSH Y T (1SG21CS401), JASWANTH ARADHYA S (1SG21CS404), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.

Signature of the Guide
Prof Kokila B P
Assistant Professor

Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

Signature of the Principal
Dr. H Ramkrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha TG
2. Panjitha K M

Signature with Date

Principal

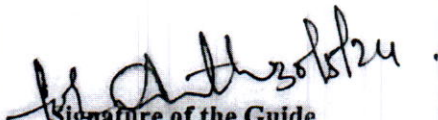
Department of Computer Science and Engineering


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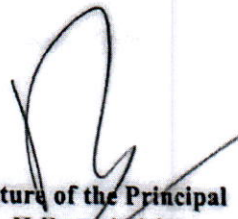


Certificate

Certified that the Project Work entitled "FORGERY FREE LEARNING OF DYNAMIC SIGNATURE REPRESENTATION BY SynSig2Vec & IDCNN" carried out by PRAMIT KUMAR MANDAL (ISG20CS079), RISHAV ANAND (ISG20CS086), SAKSHEE SINGH (ISG20CS092), TSEWANG CHOSKIT (ISG20CS106), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Dr. Praveen Kumar KV
Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

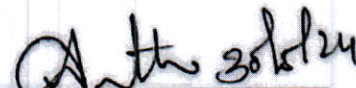

Signature of the Principal
Dr. H Ramakrishna
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha TG
2. Kamalakshi SD

Signature with Date


30/5/24


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

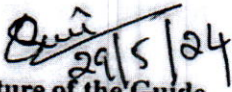
Department of Computer Science and Engineering

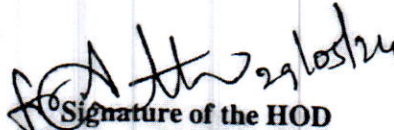
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Certificate

Certified that the Project Work entitled "OPTIMIZED SYSTEM FOR SECURE PASSWORD MANAGER USING HONEY ENCRYPTION" carried out by NAWHEEL MANJOOR (ISG20CS066), NISHANT P CHOUHAN (ISG20CS069), PUSHPENDER KUMAR (ISG20CS084), RAKSHITH GC (ISG20CS085), bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2023-2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the Department Library. The project report has been approved as it satisfies the academic requirements in respect of Project Work Phase II (18CSP83) prescribed for the said degree.


Signature of the Guide
Prof. Sheela Rani CM
Assistant Professor


Signature of the HOD
Dr. Kamalakshi Naganna
Professor & Head

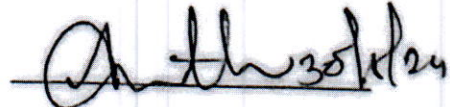
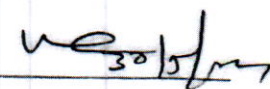

Signature of the Principal
Dr. H Ramakrishna
Principal

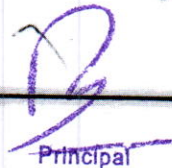
EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Anitha T.G
2. Kamalakshi M

Signature with Date


Principal