

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled **"INDIAN SIGN LANGUAGE TRANSLATION USING COMPUTER VISION"** carried out by PRAJWAL G REDDY (ISG15CS071), RHEA SANJAN B R (ISG15CS085), SHARON PHYLIS L (ISG15CS099), VARSHA N URS (ISG15CS120), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.

Madhushree
21/5/19

Signature of the Guide
Mrs. Madhushree
Assistant Professor

K. L. S. 21/5/19

Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head

[Signature] 21/5/19

Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Dr. Kamalakshi Naganna

[Signature]

[Signature] 13/6/19

2. Rajkumar

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560057

[Signature] 13/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled "EFFECTIVE HEART DISEASE PREDICTION SYSTEM USING MACHINE LEARNING" carried out by Madhukesh D (1SG15CS047), Manish Kumar Giri (1SG15CS049), Nirmith S Rai (1SG15CS061), Nitesh Jaiswal (1SG15CS064), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.

cha 20/5/19
Signature of the Guide
Mrs. Chaithra
Associate Professor

K L S 23/5/19
Signature of the HOD
Dr. Kamalakshi Naggana
Professor & Head (IC)

[Signature]
Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Kamalakshi Naggana

2. [Signature]

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

Signature with Date

K L S 14/6/19

[Signature] 14/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

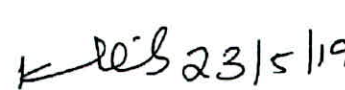
Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled "**DETECTION OF DIABETIC RETINOPATHY IN EARLIER STAGES**" carried out by HARSHITHA Y (ISG15CS029), KUSUMALATHA K (ISG15CS043), NEHALAKSHMI P A (ISG15CS058), NIRMALA G (ISG15CS060), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mrs. Sneha G
Assistant professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057

EXTERNAL EXAMINATION:


Name of the Examiners

1. Dr. Kamalakshi Naganna

2. Dr. Kumar


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

Signature with Date


13/6/19


13/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled **"FARMER ADVISORY: A CROP DISEASE DETECTION"** carried out by AISHWARYA C (ISG15CS006), ASHWINI N (ISG15CS012), NAVITHA K SINGH (ISG15CS057), NEHA VIJAYANANDA (ISG15CS059) 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mrs. Anuradha Badage
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head



Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:


Name of the Examiners

Signature with Date

1. Dr. Kamalakshi Naganna

 14/6/19

2. Dr. K L Shivabasappa


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering

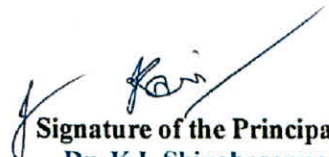


Certificate

Certified that the Project Work entitled **"ELASTIC SEARCH IN CACHE BASED SERVICE MANAGEMENT FOR HEALTH CARE AUTOMATION"** carried out by **PRAGATHI M P** (ISG15CS070), **TEJASHWINI K** (ISG15CS115), **VARSHA M B** (ISG15CS121), **VIBHA J** (ISG15CS123), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mrs Kavitha G
Assistant professor

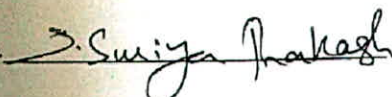

Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

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

EXTERNAL EXAMINATION:


Name of the Examiners

1. 

2. 

Signature with Date


22/6/19


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


22/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled **"FOG-BASED CRIME ASSISTANCE IN SMART IOT TRANSPORTATION SYSTEM"** carried out by THEJASHREE M (ISG16CS420), UZMA TAHASEEN (ISG15CS117), VARSHITHA R (ISG16CS422), VEENA M (ISG15CS122), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.

Nanda
18/5/19
Signature of the Guide
Mrs. Nanda M B
Assistant Professor
Dept. of CSE

KLB 23/5/19
Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head
Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

KLB
Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. *S. Swiga Prakash*
2. *Hansa, A.S*

Signature with Date

Principal
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road
Bangalore-560057

Principal
Principal
12/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled "**A PERSONALIZED MEDICAL ASSISTANT CHATBOT**" carried out by **SATVIK RANJAN (ISG15CS094)**, **TATHAGAT ANKIT (ISG15CS114)**, **VIVEK KUMAR (ISG15CS125)**, 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 2018-2019. 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 (15CSP85) prescribed for the said degree.

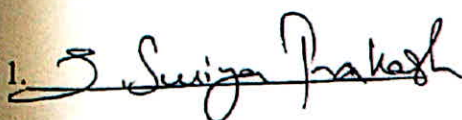

Signature of the Guide
Prof. Sneha G
Asst. Professor

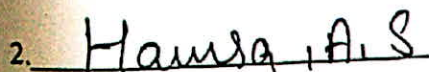

Signature of the HOD
Dr. Kamalakshi Naganna
(IC) Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

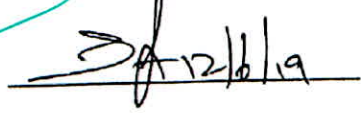
Name of the Examiners

1. 

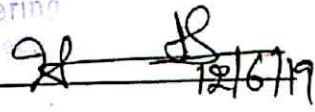
2. 



Signature with Date

 12/6/19

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057

 12/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.


Department of Computer Science and Engineering

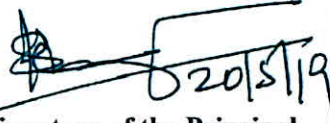


Certificate

Certified that the Project Work entitled “**EMOTION RECOGNITION FROM VOICE**” carried out by **ABHIJEETH V MADALGI (ISG15CS002)**, **BHYRAVI S (ISG15CS019)**, **HEMANTHKUMAR M (ISG15CS030)**, **JAGADISH D N (ISG15CS032)** 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 2018-2019. 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 (15CSP85)** prescribed for the said degree.



Signature of the Guide
Mrs. Kavya N L
Assistant Professor



Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal


EXTERNAL EXAMINATION:

Name of the Examiners

1.  Latha PTH

2.  S. Swamy Prakash

Signature with Date


Principal

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

 11/6/19

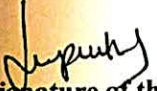
SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled **"DATA LEAKAGE DETECTION USING SEMANTIC ANALYSIS"** carried out by SURAJ S PANCHAKSHARI (ISG15CS112), SHARATH B S (ISG15CS097), ROHIT N K (ISG15CS089), SANJAY U K (ISG15CS093), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Ms. Supreetha S
Asst. Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Kamalakshi Naganna

2. Dr. K. L. Shivabasappa

Signature with Date


Principal

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


Principal

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled "Cancer Profiling using Machine Learning" carried out by AAYUSH SHRIVASTAVA (ISG15CS001), DAWAN P SWAMY (ISG15CS022), JITHENDRA C (ISG15CS034), MOHIT KUMAR (ISG15CS054), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.

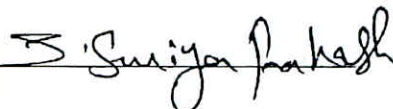

Signature of the Guide
Mrs. Veena K R
Assistant Professor



Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:


Name of the Examiners


1. 

2. 

Signature with Date

 12/1/19


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

 12/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

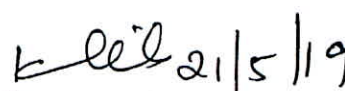
Department of Computer Science and Engineering

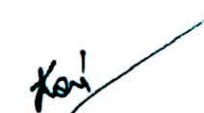


Certificate

Certified that the Project Work entitled "PNEUMONIA DETECTION USING CONVOLUTIONAL NEURAL NETWORK" carried out by RAJESHWARI S (1SG15CS077), RASHMI (1SG15CS081), SNEHA MALAV (1SG15CS104), VINAYA R (1SG15CS124), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mr. Suriya Prakash J
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1.  P H

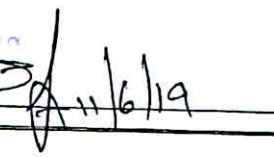
2.  S. Suriya Prakash


Principal

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

Signature with Date

 P H

 11/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering

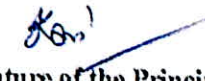


Certificate

Certified that the Project Work entitled "Emotion based music system" carried out by Rithik V Gopal (1SG15CS088), Soumyadeep Ghosh (1SG15CS105), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mrs. Nanda M B
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners


Signature with Date


1. Dr. Kamalakshi Naganna

2. Prof. Kumar

Principal

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

 13/6/19

 13/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

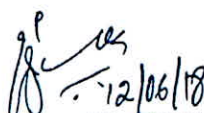
Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled "IMPLEMENTATION OF TIME-SENSITIVE DATA IN PUBLIC CLOUD USING TIME AND ATTRIBUTE FACTORS COMBINED ACCESS CONTROL" carried out by CHETHAN M (ISG15CS402), SHARATH KUMAR G M (ISG15CS421), SHRAVANI V (ISG15CS422) 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 2017-2018. 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 (10CS85) prescribed for the said degree.


Signature of the Guide
Kavya N L
Assistant Professor


Signature of the HOD
Dr. Yogish H K
Professor & Head
Department of Computer Science & Engg.
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru-560 057.


Signature of the Principal
Dr. K L Shivabasappa
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore- 560 057


EXTERNAL EXAMINATION:



Name of the Examiners

1. Dr. Ananda Babu T

2. VIDYA H A

Signature with Date


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


15/6

15/6

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled “**CHILD RESCUE SYSTEM AGAINST OPEN BOREWELLS**” carried out by **K. NAVEENA SHARMA (ISG15CS056), DIKSHA KESHRI (ISG15CS025), ANUSHA S. P (ISG15CS132), SNEHA G. N (ISG15CS131)**, 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 2018-2019. 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 (15CSP85) prescribed for the said degree.

Shilpa
23/5/19
Signature of the Guide
Shilpa. M
Assistant professor

K. L. S. 23/5/19
Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head

[Signature] 11/06
Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Dr. Kamalakshi Naganna

K. L. S. 13/6/19

2. Prof. Kunal

[Signature] 13/6/19

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560057

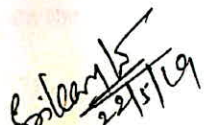
SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled “**Ambulance System with Intelligent Traffic Control Facility**” carried out by **AISHWARYA K Y (ISG14CS007)**, **KOTIREDDY RAJITHA (ISG15CS128)**, **SONIA S K (ISG15CS129)**, **GOWTHAMI G (ISG15CS130)**, 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mr. Srikantha Gowda R
Assistant professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Dr. Kamalakshi Naganna



14/6/19

Principal

2. Raj Kumar

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru - 560057

14/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING

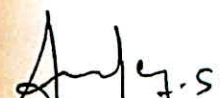
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled **"DETECTING AND ANALYSING URBAN REGIONS WITH HIGH IMPACT OF WEATHER CHANGES ON POLLUTION"** carried out by BHUVANASHREE V (1SG16CS401), JAYASHREE C Y (1SG16CS406), SWETHA S (1SG16CS419), THRIVENI L (1SG16CS421), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mr. Arun Kumar S
Assistant professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners


1. Hamsa A S

2. S. Swign Prakash


Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru - 560057

Signature with Date


12/6/19


12/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled **"PERFORMANCE ANALYSIS THROUGH DIMENSIONAL REDUCTION AND CLASSIFICATION ALGORITHM USING KDD CUP AND UNSW-NB15 DATASET"** carried out by CHARULATHA M (ISG16CS402), MANJUNATHA M (ISG16CS407), MANU V (ISG16CS409), MEGHANA K J (ISG16CS410), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Prof. Suriya Prakash J
Assistant professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal


EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Kamalakshi Naganna


2. Rajkumar

Signature with Date


14/6/19

Principal

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


14/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled "DATA DRIVEN INTELLIGENT PUBLIC TRANSPORTATION USING LoRa" carried out by KATHYAYANI LAXMAN NAYAK (ISG15CS039), KRUTHIKA HOLLA S B (ISG15CS042), MAJID EQUBAL AKHTAR (ISG15CS048), NISHANT YADAV (ISG15CS063), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Prof. Latha A
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

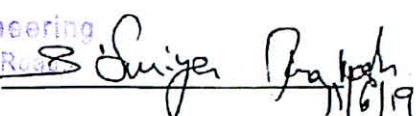
Signature with Date

1. Katha Jit


Principal

2. S. Swize Prakash

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057


S. Swize Prakash
11/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

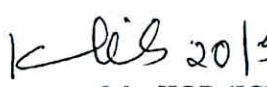
Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled “**DETECTING AND ANALYSING URBAN REGIONS WITH HIGH IMPACT OF WEATHER CHANGES ON POLLUTION**” carried out by BHUVANASHREE V (1SG16CS401), JAYASHREE C Y (1SG16CS406), SWETHA S (1SG16CS419), THRIVENI L (1SG16CS421), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mr. Arun Kumar S
Assistant professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

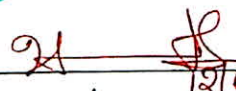
1. Hamsa. A. S


2. J. Sujay Prabash

Signature with Date


Principal

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


21/5/19


12/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING

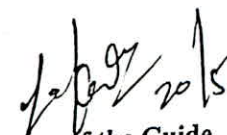
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.


Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled "**DEDUPLICATION OF ENCRYPTED BIG DATA ON CLOUD**" carried out by ANUSHA KAMATH (ISG15CS011), BATTULA SHEETAL (ISG15CS015), MEGHANA M KALYAN (ISG15CS051), MEGNANA S (ISG15CS052), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Srikanth M S
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal


EXTERNAL EXAMINATION:

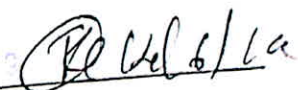
Name of the Examiners

1. Dr. Kamalakshi Naganna

2. Rajkumar

Signature with Date


14/6/19


14/6/19

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

SAPTHAGIRI COLLEGE OF ENGINEERING

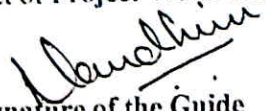
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

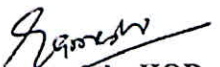
Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled "INTEGRATED SMART GOVERNMENT FAIR PRICE SHOP INVOICE SYSTEM" carried out by PRAVEEN R (1SG14CS081), SATHYA SAI M (1SG15CS095), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mrs. Nandhini N
Assistant Professor, CS&E


Signature of the HOD
Dr. Ramesh Shahabadkar
Professor & Head, CS&E

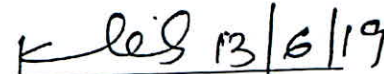

Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:


Name of the Examiners

Signature with Date

1. Dr. Kamalakshi Naganna


13/6/19

2. Raj Kumar


13/6/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560057


SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.


Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled “ANOMALY DETECTION SYSTEM IN CCTV DERIVED VIDEOS” carried out by ANKIT GUPTA (ISG15CS010), BARATH KUMAR M R (ISG15CS014), LALIT SHARMA (ISG15CS044), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mrs. Nandhini N
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head



Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Kamalakshi Naganna

Signature with Date


14/6/19

2. Dr. K L Shivabasappa

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru - 560057


14/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

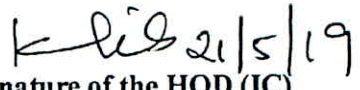
Department of Computer Science and Engineering




Certificate

Certified that the Project Work entitled "Opinion Mining of Twitter data for Hotel review analysis" carried out by HARSH RAJ (ISG15CS028), KAMAD BHATT (ISG15CS036) and MD. ADNAN AHMED (ISG15CS050), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Mr. Srikanth M S
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

Signature with Date

1. Dr. Kamalakshi Naganna



K L S 14/6/19

2. Ref Kumar

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

Ref 14/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

Department of Computer Science and Engineering



Certificate

Certified that the Project Work entitled "INTELLIGENT ANSWERING SYSTEM USING SIMILARITY MODEL BASED LEARNING" carried out by RACHEL BRITTO (ISG15CS076), SHWETHA S (ISG15CS101), DEEPAK N (ISG16CS404), 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


20/5/19

Signature of the Guide -
Dr. Ananda Babu J
Associate Professor


20/5/19

Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head

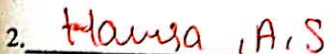

20/5/19

Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

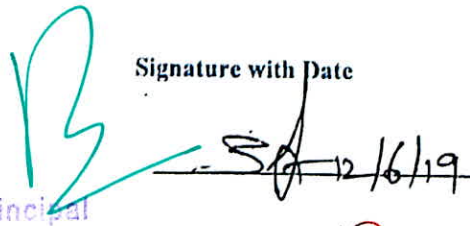
Name of the Examiners

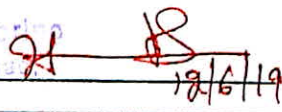
1. 

2. 

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

Signature with Date


12/6/19


12/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057.

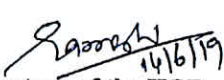
Department of Computer Science and Engineering

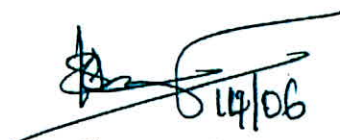


Certificate

Certified that the Project Work entitled "AN E-VOTING SYSTEM BASED ON BLOCKCHAIN AND RING SIGNATURE" carried out by PRANAB GUPTA(1SG14CS079), ONKAR PANSARE(1SG13CS068), SINDHU S (1SG14CS107), SHANKARAGOUDA S(1SG14CS421) 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 2018-2019. 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 (10CS85) prescribed for the said degree.


Signature of the Guide
Mrs. Chaithra
Associate Professor


Signature of the HOD
Dr. Ramesh Shahabadkar
Professor & Head CS&E

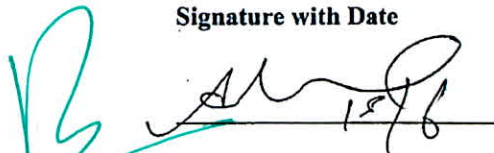

Signature of the Principal
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:


Name of the Examiners

Signature with Date

1. Dr. Ananda Basu


15/6/19

2. VIDYA - H. A.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road
Bangalore - 560057
15/6/19

SAPTHAGIRI COLLEGE OF ENGINEERING

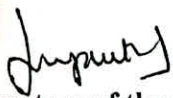
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.


Department of Computer Science and Engineering

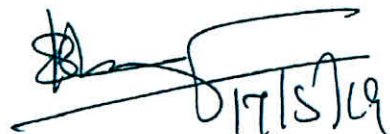


Certificate

Certified that the Project Work entitled **"A WORKFLOW MANAGEMENT SYSTEM FOR SCALABLE DATA MINING ON CLOUDS"** carried out by POOJA H R (1SG15CS068), ROSHAN S OLATY (1SG15CS090), BHUMIKA B R (1SG15CS017) 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 2018-2019. 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 (15CSP85) prescribed for the said degree.


Signature of the Guide
Prof. Supreetha S
Assistant Professor


Signature of the HOD (IC)
Dr. Kamalakshi Naganna
Professor & Head


Signature of the Principal
Dr. K L Shivabasappa
Principal


EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. Kamalakshi Naganna

2. Rajkumar

Signature with Date

 14/6/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057

 14/6/19