



CERTIFICATE OF PARTICIPATION

This is to certify that

Abdul Wajid Sahib.M

has participated in the course: **Certificate Masterclass - Database and SQL**
of duration 8 weeks.



Mousum Dutta

Program Director

Dated: **2020-12-03**

Certificate ID: **CF9F15367BE24744**

Certificate of Participation

THIS IS TO RECOGNISE

Mohamed Rehhan

as an attendee of our webinar

BEYOND 9-TO-5

held on March 4th, 2021



SIDD AHMED
CEO, VDart

siddahmed.com

Certificate of Participation

THIS IS TO RECOGNISE

Mohamed Rehhan

as an attendee of our webinar

BEYOND 9-TO-5

held on March 4th, 2021



SIDD AHMED
CEO, VDart

siddahmed.com



Date – 8.3.2021

TO WHOM IT MAY CONCERN

This is to certify that SINDHUJA K
studying B.Tech Information Technology in EGS Pillay
Engineering College, Nagapattinam has successfully completed
his/her one month Virtual Internship from 1.2.2021 to 27.2.2021 at
OneYes Technologies

All the best for your future Endeavors

A handwritten signature in black ink, appearing to read "Vadivelu", is positioned above the printed name.

Mr. Vadivelu,
Director, OneYes Technologies





CERTIFICATE OF COMPLETION

Presented to

Umamaheswari E

For successfully completing a free online course
Introduction to programming

Provided by

Great Learning Academy

(On January 2021)



CERTIFICATE OF COMPLETION

Presented to

Madhumitha Kandhan

For successfully completing a free online course
Java Programming

Provided by

Great Learning Academy

(On February 2021)



CERTIFICATE OF COMPLETION

Presented to

A. AGALYA

For successfully completing a free online course
Cloud Foundations

Provided by
Great Learning Academy
(On February 2021)

To verify this certificate visit verify.greatlearning.in/WX8KQWTR



Tools



Mobile View



Play



Share



PDF to PPT



CERTIFICATE OF COMPLETION

Presented to

Pavithra Asokan

For successfully completing a free online course
Java Programming

Provided by

Great Learning Academy

(On February 2021)



CERTIFICATE OF COMPLETION

Presented to

Saranya. T

For successfully completing a free online course
Python for Machine Learning

Provided by

Great Learning Academy

(On February 2021)



CERTIFICATE OF COMPLETION

Presented to

Sindhuja

For successfully completing a free online course

Ethical Hacking - Mobile Platforms and Network Architecture

Provided by

Great Learning Academy

(On February 2021)



CERTIFICATE OF COMPLETION

Presented to

Saranya. T

For successfully completing a free online course
Supervised Machine Learning with Tree Based Models

Provided by

Great Learning Academy

(On February 2021)

greatlearning
Power Ahead

CERTIFICATE OF COMPLETION

Presented to

Jayabharathi

For successfully completing a free online course
Content Marketing Basics

Provided by

Great Learning Academy

(On February 2021)

greatlearning
Power Ahead

CERTIFICATE OF COMPLETION

Presented to

Jayabharathi

For successfully completing a free online course
Intro to Graphic Design with Photoshop

Provided by

Great Learning Academy

(On February 2021)

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greatlearning
Power Ahead

CERTIFICATE OF COMPLETION

Presented to

Jayabharathi

For successfully completing a free online course
Basics of Exploratory Data Analysis

Provided by
Great Learning Academy
(On February 2021)

To verify this certificate visit verify.greatlearning.in/GT.DXTNFX

CERTIFICATE

Issued 27 February, 2021

This is to certify that

Madhumitha Kandhan

has successfully completed the

C course



Yeva Hyusyan
Chief Executive Officer



CERTIFICATE OF PARTICIPATION

This is to certify that

Abdul Wajid Sahib.M

has participated in the course: **Certificate Masterclass - Database and SQL**
of duration 8 weeks.

A handwritten signature in blue ink that reads "Mousum Dutta".

Mousum Dutta

Program Director

Dated: **2020-12-03**

Certificate ID: **CF9F15367BE24744**



CERTIFICATE OF PARTICIPATION

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of duration 8 weeks.



Mousum Dutta

Program Director

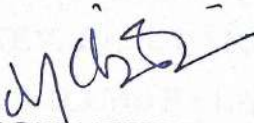
Dated: **2020-12-03**

Certificate ID: **CF9F15367BE24744**

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "VIDEO LEGACY PREDICTION USING SCALAR FEATURES AND MACHINE LEARNING" is the bonafide work of "A.AAKASH (E18CSR001), B.BALA (E18CSR016), S.VISHWA (E18CSR085)" who carried out the project work under my supervision.



SIGNATURE

**Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT**

Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**



SIGNATURE

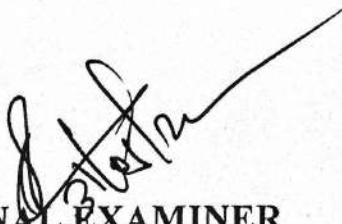
**Mr. A. BASKAR, B.E., M.E.,
SUPERVISOR**

Assistant Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on 21.05.2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "STEGANOGRAPHY TO PREVENT FROM PHOTOGRAPH SUBSTITUTION ATTACK" is the bonafide work of "A.ABDUL AZEES (E18CSR002), B.ABINESH (E18CSR004), M.MUNIYANDI (E18CSR046)" who carried out the project work under my supervision.



SIGNATURE



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

Mr. A. BASKAR, M.E.,(Ph.D),
SUPERVISOR

Asst. PROFESSOR

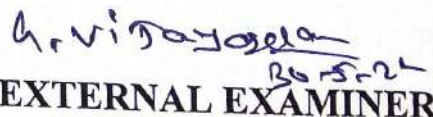
Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.5.22
at E.G.S Pillay Engineering College, Nagapattinam.



INTERNAL EXAMINER


20.5.22

EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "FACEPIN : FACE BIOMETRIC AUTHENTICATION FOR ATM BY USING DEEP LEARNING" is the bonafide work of " M.ABDULHAMEED (E18CSR003), N.LOGESHWARAN (E18CSR039), S.RAJAVEL (E18CSR058)" who carried out the project work under my supervision.


SIGNATURE


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Dr. M. CHINNADURAI, M.E., Ph.D.,

**Mr. S. PALANI MURUGAN,
M.E.,(Ph.D).,**

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

**E.G.S Pillay Engineering College
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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

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SIGNATURE



SIGNATURE

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PROFESSOR

Department of CSE

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Nagapattinam.

Mr. A. BASKAR, M.E.,(Ph.D),
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Asst. PROFESSOR

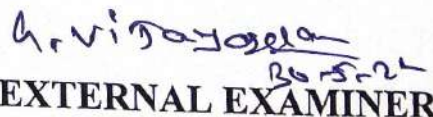
Department of CSE

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INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "BRAIN TUMOR DETECTION USING CONVOLUTIONAL NEURAL NETWORK" is the bonafide work of AJAY VENKATESH.S (E18CSR005), AYYAPPAN.S (E18CSR015), KUBERAN R(E18CSR037) who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.



SIGNATURE

Mr. P. ANANDRAJ, M.E

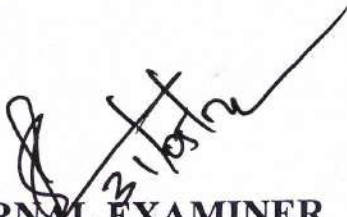
SUPERVISOR

Assistant Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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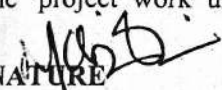


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SENTIMENT ANALYSIS USING FACIAL EXPRESSION AND DEEP NEURAL NETWORK" is the bonafide work of "L.AKALY (E18CSR006),I.BAVADHARNI (E18CSR018),B.SUSMITHA(E18CSL311)"who carried out the project work under my supervision.


SIGNATURE

Dr.M.CHINNADURAI, M.E., Ph.D

**HEAD OF THE DEPARTMENT
PROFESSOR**

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**


SIGNATURE

Dr.M.PRIYA M.E.,(Ph.D),,

**SUPERVISOR
PROFESSOR**

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "TIME BASED ACCESS CONTROL FOR DATA SECURITY TO AVOID THREATS IN CLOUD ENVIRONMENT" is the bonafide work of " U.AKASH (E18CSR007), S.AMEEN MARZOOK (E18CSR010), D.MANIMARAN (E18CSR043)" who carried out the project work under my supervision.


SIGNATURE


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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Mr. A. RAJESH, M.E.,
SUPERVISOR
Asst. PROFESSOR


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INTERNAL EXAMINER


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EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "PRIVACY PRESERVING SEARCHABLE ENCRYPTION WITH ROLE BASED ACCESS CONTROL" is the bonafide work of "A.AKILA (E18CSR008), A.JAYA(E18CSR031), M.THAMIZH PRIYA (E18CSR078)" who carried out the project work under my supervision.



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Ph.D.,**

**HEAD OF THE DEPARTMENT
PROFESSOR**

Department of CSE

**E.G.S Pillay Engineering
College(autonomous)
Nagapattinam.**



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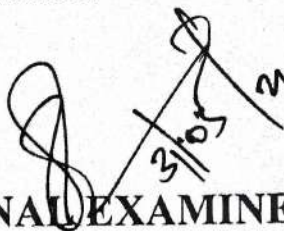
Dr.T.GANESAN,M.E.,Ph.D

**SUPERVISOR
PROFESSOR**

Department of CSE

**E.G.S Pillay Engineering
College(autonomous)
Nagapattinam.**

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SUPERVISOR
Asst. PROFESSOR


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INTERNAL EXAMINER


30.05.22
EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND IMPLEMENTATION OF A CERTIFICATE VERIFICATION SYSTEM USING QUICK RESPONSE (QR) CODE" is the bonafide work of "R.ANBUDEVI (E18CSR011), S.SUBHASHINI (E18CSR72)" who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**



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DR.S.KANNAN

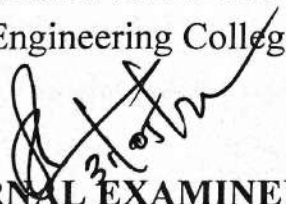
SUPERVISOR

Assistant Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on at E.G.S Pillay Engineering College, Nagapattinam. 31/05/2022



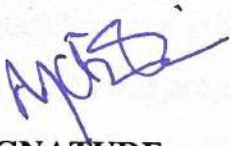
INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "HYBRID CLOUD STORAGE SYSTEM WITH SECURE CRYPTOGRAPHY USING ECC ALGORITHM AND DATA FRAGMENTATION APPROACH" is the bonafide work of ANUSUYA.S (E18CSR012), S.SUSHMA (E18CSR074), SUVETHA.B (E18CSR075) who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

E.G.S Pillay Engineering
College(autonomous) Nagapattinam.



SIGNATURE

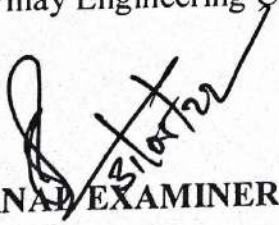
Mrs.S.SUBHASREE

SUPERVISOR
Asst. PROFESSOR

Department of CSE

E.G.S Pillay Engineering College(autonomous)
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voice examination held on 31.05.22 at E.G.S Pillay Engineering College (autonomous) Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CLIENT CENTRIC FS AND BIOCRYP FOR SECURE ACCESS OVER OUTSOURCED DATA IN CLOUD SERVER" is the bonafide work of " G.ARUL RAJ (E18CSR013), G.KARTHIKESAN (E18CSR035), A.SAYAD ABDUL RAHMAN (E18CSR065)"who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

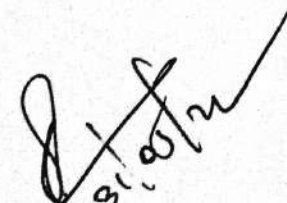
E.G.S Pillay Engineering College
Nagapattinam.

Mr. A. BASKAR, M.E.,(Ph.D),
SUPERVISOR
ASSISTANT PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voice examination held on 31-05-2022 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "DEGRADED FACTORS ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORITHM" is the bonafide work of "D.ARUNESH (E18CSR014), V.HARISH (E18CSR029), M.NOORMOHAMED (E18CSR051)" who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

Mrs. B. RANJANI, M.E.,

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

ASSISTANT PROFESSOR

Department of CSE

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**E.G.S Pillay Engineering College
Nagapattinam.**

**E.G.S Pillay Engineering College
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INTERNAL EXAMINER


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BONAFIDE CERTIFICATE

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SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.



SIGNATURE

Mr. P. ANANDRAJ, M.E

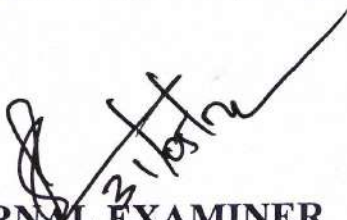
SUPERVISOR

Assistant Professor

Department of CSE

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Nagapattinam.

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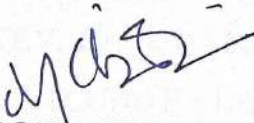


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

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Nagapattinam.**



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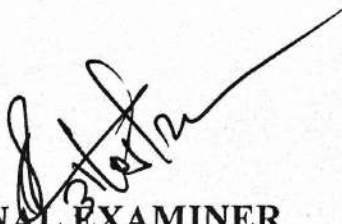
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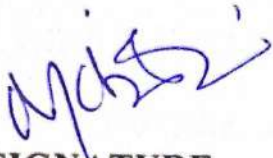


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART COLLEGE ENQUIRY CHATBOT AND FEEDBACK MANAGER USING DEEP LEARNING" is the bonafide work of BANUPRIYA.B(E18CSR017),SAILAKSHMI.S(E18CSR060)&TAMILMATHI.S(E18CSR076) who carried out the project work under my supervision.



SIGNATURE



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Dr. R. MANIVANNAN, M.Tech, Ph.D.

SUPERVISOR

ASSOCIATE PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

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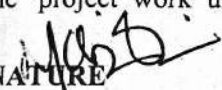
C. V. Rajasekara
30.05.2022

EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

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SIGNATURE

Dr.M.CHINNADURAI, M.E., Ph.D


SIGNATURE

Dr.M.PRIYA M.E.,(Ph.D),,

HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

SUPERVISOR

PROFESSOR

Department of CSE

E.G.S Pillay Engineering College

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SATCHAIN: GEO NETWORK SECURITY MECHANISM BASED ON BLOCKCHAIN AND QKD PROTOCOL" is the bonafide work of "S.CHITRA (E18CSR020), K.GAYATHRI (E18CSR023), V.NITHYA (E18CSR050)" who carried out the project work under my supervision.



SIGNATURE



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

**Dr. S. AMBIKA M.E.,
(Ph.D),,**

HEAD OF THE DEPARTMENT

SUPERVISOR

Professor

Assistant Professor

Department of CSE

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Submitted for the ANNA UNIVERSITY viva-voce examination held on 31/05/2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "VIRTUAL ASSISTANT MIMIC MODEL FOR CLOUD DATA SECURITY BASED ON BLOCKCHAIN" is the bonafide work of "D.DINESH (E18CSR022), R.PARTHASARATHI (E18CSR052), K.PASUPATHI (E18CSR053)" who carried out the project work under my supervision.


SIGNATURE


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Dr. M.CHINNADURAI, M.E., Ph.D.,

Mr. M.RAJAKUMARAN, M.E.,(Ph.D).,

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

ASSISTANT PROFESSOR

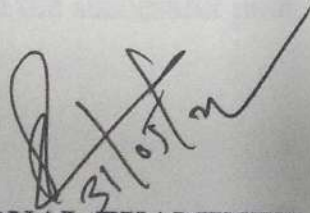
Department of CSE

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**E.G.S Pillay Engineering College
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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SATCHAIN: GEO NETWORK SECURITY MECHANISM BASED ON BLOCKCHAIN AND QKD PROTOCOL" is the bonafide work of "S.CHITRA (E18CSR020), K.GAYATHRI (E18CSR023), V.NITHYA (E18CSR050)" who carried out the project work under my supervision.



SIGNATURE



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Dr. M. CHINNADURAI, M.E., Ph.D.,

**Dr. S. AMBIKA M.E.,
(Ph.D),,**

HEAD OF THE DEPARTMENT

SUPERVISOR

Professor

Assistant Professor

Department of CSE

Department of CSE

E.G.S Pillay Engineering College

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INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "TASK SCHEDULING AND DYNAMIC RESOURCE ALLOCATION USING HEURISTICS ALGORITHM IN CLOUD COMPUTING" is the bonafide work of GOWSALYA.R (E18CSR025), PAVITHRA.A (E18CSR054), PRATHEESHA.E (E18CSR055) who carried out the project work under my supervision.


SIGNATURE


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Dr. M. CHINNADURAI, M.E., Ph.D.,

Mr. J. NOORUL AMEEN M.E, (Ph.D).,

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

Department of CSE

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "STOCHASTIC AUTO QUERY AND FACE RECOGNITION ATTENDANCE SYSTEM FOR VIRTUAL MEET USING DEEPLARNING" is the bonafide work of "M.GUNASUNDARI(E18CSR026), A.KEERTHANA(E18CSR036)"whocarried out theproject work under my supervision.


SIGNATURE


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Dr. M. CHINNADURAI, M.E., Ph.D.,

Mr. M .MARKCO, M.E.

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR


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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "INTELLIGENT WATER QUALITY MONITORING SYSTEM USING IOT" is the bonafide work of "K.HARINI (E18CSR028), L.SANTHIYA (E18CSR063), U.UDHAYAPRIYA (E18CSR079)" who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D

HEAD OF THE DEPARTMENT

Professor

Department of CSE

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**Mr. S. PRAVEEN KUMAR, M.E.,
(Ph.D)**

SUPERVISOR

Assistant Professor

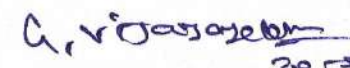
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INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "DEGRADED FACTORS ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORITHM" is the bonafide work of "D.ARUNESH (E18CSR014), V.HARISH (E18CSR029), M.NOORMOHAMED (E18CSR051)" who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,

Mrs. B. RANJANI, M.E.,

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SUPERVISOR

PROFESSOR

ASSISTANT PROFESSOR

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "AN EFFICIENT APPROACH TO PREDICT EXACT DATA USING MACHINE LEARNING BASED ON YIELDING DATASET" is the bonafide work of "C.HENCY SOWMIYA (E18CSR030), R.RAGAVI (E18CSR056), R.SNEKA (E18CSR071)" who carried out the project work under my supervision.



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Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.



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Mr. G. ARUL SELAVN, M.E.,

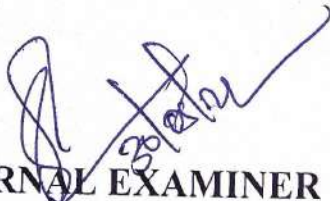
SUPERVISOR

Assistant Professor

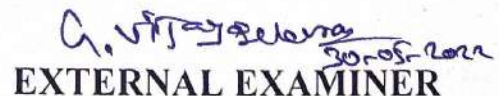
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Submitted for the ANNA UNIVERSITY viva-voce examination held on 20/05/22 at E.G.S Pillay Engineering College, Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "PRIVACY PRESERVING SEARCHABLE ENCRYPTION WITH ROLE BASED ACCESS CONTROL" is the bonafide work of "A.AKILA (E18CSR008), A.JAYA(E18CSR031), M.THAMIZH PRIYA (E18CSR078)" who carried out the project work under my supervision.



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**Dr. M. CHINNADURAI, M.E.,
Ph.D.,**

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PROFESSOR**

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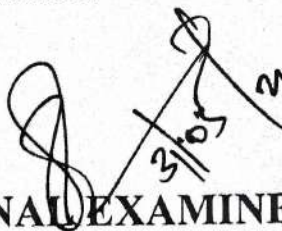
Dr. T. GANESAN, M.E., Ph.D

**SUPERVISOR
PROFESSOR**

Department of CSE

**E.G.S Pillay Engineering
College(autonomous)
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voice examination held on 31/05/2022 at E.G.S Pillay Engineering College (autonomous) Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "ACCIDENT DETECTION : IOT BASED ACCIDENT IDENTIFICATION AND RESCUE SYSTEM" is the bonafide work of " G.JAYAPREETHI (E18CSR032), S.VIJAYAKUMARY (E18CSR083), S.VISHNUPRIYA (E18CSR084)" who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,

**Dr. M. CHINNADURAI,
M.E.,(Ph.D).,**

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

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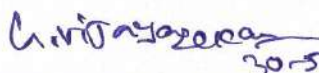
Department of CSE

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Nagapattinam.**

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INTERNAL EXAMINER


30-5-2022
EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CYBERBULLYING DETECTION AND BLOCKING SYSTEM FOR ONLINE SOCIAL NETWORK" is the bonafide work of "M.JAYASRI (E18CSR033), K.MUTHULAKSHMI (E18CSR047), A.SUGANDHINI (E18CSR073)" who carried out the project work under my supervision.



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Dr. M. CHINNADURAI, M.E., Ph.D

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.



SIGNATURE

Mrs. K.RAJAMMAL, M.E.

SUPERVISOR

Assistant Professor

Department of CSE

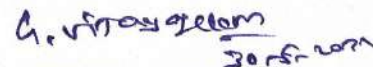
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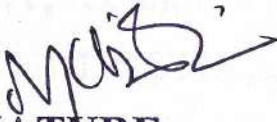


EXTERNAL EXAMINEE

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **“RECOMMENDATION SYSTEM USING DEEP LEARNING WITH TEXT MINING ALGORITHM IN E-COMMERCE FRAMEWORK”** is the bonafide work of **“G.KABILAN (E18CSR034), S.SANTHOSHRAJ (E18CSR064),P.R.SELVAMANIKANDAN (E18CSR066)”**who carried out the project work under my supervision.



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Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Dr.K.KALAIIVANI, M.E.,Ph.D.,

SUPERVISOR

Associate Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on ~~30/05/2022~~ at E.G.S Pillay Engineering College, (Autonomous) Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CLIENT CENTRIC FS AND BIOCRYP FOR SECURE ACCESS OVER OUTSOURCED DATA IN CLOUD SERVER" is the bonafide work of " G.ARUL RAJ (E18CSR013), G.KARTHIKESAN (E18CSR035), A.SAYAD ABDUL RAHMAN (E18CSR065)"who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,
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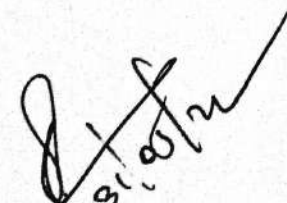
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Mr. A. BASKAR, M.E.,(Ph.D),
SUPERVISOR
ASSISTANT PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voice examination held on 31-05-2022 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "STOCHASTIC AUTO QUERY AND FACE RECOGNITION ATTENDANCE SYSTEM FOR VIRTUAL MEET USING DEEPLARING" is the bonafide work of "M.GUNASUNDARI(E18CSR026), A.KEERTHANA(E18CSR036)"whocarried out theproject work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,

Mr. M .MARKCO, M.E.

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR


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Submitted for the ANNA UNIVERSITY viva-voce examination held on 31/05/22 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "BRAIN TUMOR DETECTION USING CONVOLUTIONAL NEURAL NETWORK" is the bonafide work of AJAY VENKATESH.S (E18CSR005), AYYAPPAN.S (E18CSR015), KUBERAN R(E18CSR037) who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.



SIGNATURE

Mr. P. ANANDRAJ, M.E

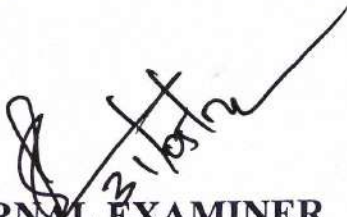
SUPERVISOR

Assistant Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31.05.2022 at E.G.S Pillay Engineering College, Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "FACEPIN : FACE BIOMETRIC AUTHENTICATION FOR ATM BY USING DEEP LEARNING" is the bonafide work of " M.ABDULHAMEED (E18CSR003), N.LOGESHWARAN (E18CSR039), S.RAJAVEL (E18CSR058)" who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

**Mr. S. PALANI MURUGAN,
M.E.,(Ph.D).,**

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

Department of CSE

**E.G.S Pillay Engineering College
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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EMAIL SERVER DATA PROTECTION SYSTEM USING GEO-FENCE TECHNOLOGY AND MACHINE LEARNING" is the bonafide work of "M.MANIKANDAN (E18CSR041), V.SIVASURYA (E18CSR070), K.VARUN KUMAR (E18CSR080)" who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.



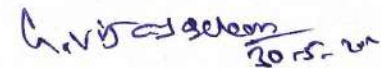
SIGNATURE

Mrs. B. RANJANI, B.E., M.E.,
SUPERVISOR
Assistant Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PRIVACY PRESERVING ON DATA USING REVERSIBLE DATA HIDING" is the bonafide work of "R.MANIKANDAN (E18CSR042), S.NIRANJAN (E18CSR049), L.SAKTHIVEL (E18CSR062)" who carried out the project work under my supervision.

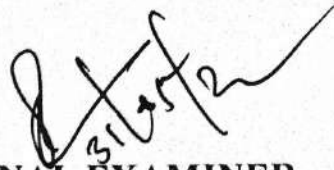

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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.


SIGNATURE

Mrs. P. VENNILA, M.E.,
SUPERVISOR
Assistant Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "TIME BASED ACCESS CONTROL FOR DATA SECURITY TO AVOID THREATS IN CLOUD ENVIRONMENT" is the bonafide work of " U.AKASH (E18CSR007), S.AMEEN MARZOOK (E18CSR010), D.MANIMARAN (E18CSR043)" who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Mr. A. RAJESH, M.E.,
SUPERVISOR
Asst. PROFESSOR


Department of CSE


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INTERNAL EXAMINER


30.05.22
EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025
BONAFIDE CERTIFICATE

Certified that this project report "DRIVER FATIGUE PREDICTION WITH REAL TIME ALERT SYSTEM USING DEEP LEARNING" is the bonafide work of "B.MOHAMED FARVEEZ (E18CSR044), B.RAJAGOPAL (E18CSR057), D.SASI PRINCE (E18CSL310)" who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor

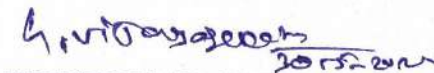
Department of CSE
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Nagapattinam.

Mrs. K. RAJAMMAL, M.E.,
SUPERVISOR
Associate Professor

Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30/1/2022 at E.G.S Pillay Engineering College, (Autonomous) Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "STEGANOGRAPHY TO PREVENT FROM PHOTOGRAPH SUBSTITUTION ATTACK" is the bonafide work of "A.ABDUL AZEES (E18CSR002), B.ABINESH (E18CSR004), M.MUNIYANDI (E18CSR046)" who carried out the project work under my supervision.



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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

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Nagapattinam.

Mr. A. BASKAR, M.E.,(Ph.D),
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Asst. PROFESSOR

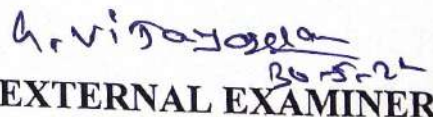
Department of CSE

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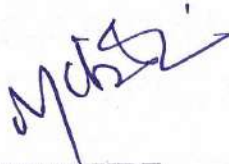
INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CYBERBULLYING DETECTION AND BLOCKING SYSTEM FOR ONLINE SOCIAL NETWORK" is the bonafide work of "M.JAYASRI (E18CSR033), K.MUTHULAKSHMI (E18CSR047), A.SUGANDHINI (E18CSR073)" who carried out the project work under my supervision.



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Dr. M. CHINNADURAI, M.E., Ph.D

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.



SIGNATURE

Mrs. K.RAJAMMAL, M.E.

SUPERVISOR

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Department of CSE

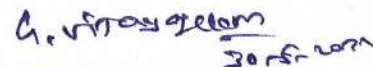
E.G.S Pillay Engineering College

Nagapattinam.

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INTERNAL EXAMINER



EXTERNAL EXAMINEE

BONAFIDE CERTIFICATE

Certified that this project report "TOWARDS CYBER SECURITY: MACHINE LEARNING MALWARE METHODS FOR DETECTION AND CLASSIFICATION" is the bonafide work of "S.NAVEEN (E18CSR048), S.GOKULNATH (E18CSL302), "who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Mrs. B. RANJANI, M.E.,
SUPERVISOR
ASSISTANT PROFESSOR

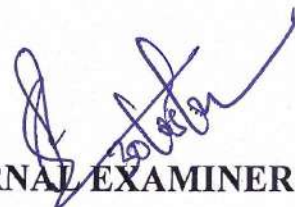
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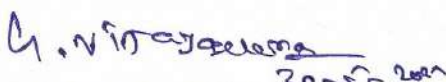
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E.G.S Pillay Engineering College
Nagapattinam.

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.5.2022
at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PRIVACY PRESERVING ON DATA USING REVERSIBLE DATA HIDING" is the bonafide work of "R.MANIKANDAN (E18CSR042), S.NIRANJAN (E18CSR049), L.SAKTHIVEL (E18CSR062)" who carried out the project work under my supervision.

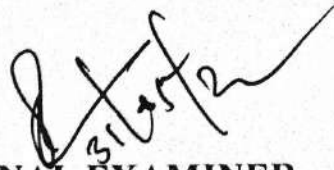

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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.


SIGNATURE

Mrs. P. VENNILA, M.E.,
SUPERVISOR
Assistant Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SATCHAIN: GEO NETWORK SECURITY MECHANISM BASED ON BLOCKCHAIN AND QKD PROTOCOL" is the bonafide work of "S.CHITRA (E18CSR020), K.GAYATHRI (E18CSR023), V.NITHYA (E18CSR050)" who carried out the project work under my supervision.



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SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

Dr. S. AMBIKA M.E.,

(Ph.D),,

SUPERVISOR

Assistant Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

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INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "DEGRADED FACTORS ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORITHM" is the bonafide work of "D.ARUNESH (E18CSR014), V.HARISH (E18CSR029), M.NOORMOHAMED (E18CSR051)" who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,

Mrs. B. RANJANI, M.E.,

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

ASSISTANT PROFESSOR

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "VIRTUAL ASSISTANT MIMIC MODEL FOR CLOUD DATA SECURITY BASED ON BLOCKCHAIN" is the bonafide work of "D.DINESH (E18CSR022), R.PARTHASARATHI (E18CSR052), K.PASUPATHI (E18CSR053)" who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr. M.CHINNADURAI, M.E., Ph.D.,

Mr. M.RAJAKUMARAN, M.E.,(Ph.D).,

HEAD OF THE DEPARTMENT

SUPERVISOR

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ASSISTANT PROFESSOR

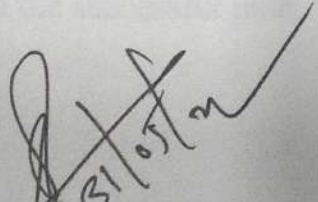
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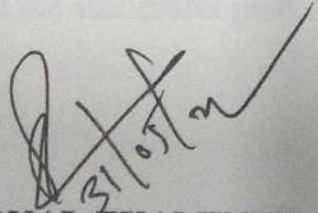
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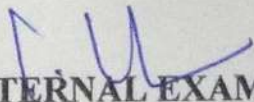
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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "TASK SCHEDULING AND DYNAMIC RESOURCE ALLOCATION USING HEURISTICS ALGORITHM IN CLOUD COMPUTING" is the bonafide work of GOWSALYA.R (E18CSR025), PAVITHRA.A (E18CSR054), PRATHEESHA.E (E18CSR055) who carried out the project work under my supervision.


SIGNATURE


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Dr. M. CHINNADURAI, M.E., Ph.D.,

Mr. J. NOORUL AMEEN M.E, (Ph.D).,

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

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HEAD OF THE DEPARTMENT

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Asst. PROFESSOR

Department of CSE

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER


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ANNA UNIVERSITY: CHENNAI 600 025

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Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.



SIGNATURE

Mr. G. ARUL SELAVN, M.E.,

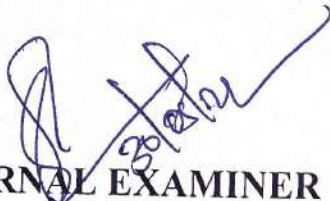
SUPERVISOR

Assistant Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 20/05/22 at E.G.S Pillay Engineering College, Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025
BONAFIDE CERTIFICATE

Certified that this project report "DRIVER FATIGUE PREDICTION WITH REAL TIME ALERT SYSTEM USING DEEP LEARNING" is the bonafide work of "B.MOHAMED FARVEEZ (E18CSR044), B.RAJAGOPAL (E18CSR057), D.SASI PRINCE (E18CSL310)" who carried out the project work under my supervision.


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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor

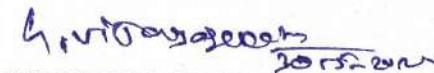
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

Mrs. K. RAJAMMAL, M.E.,
SUPERVISOR
Associate Professor

Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "FACEPIN : FACE BIOMETRIC AUTHENTICATION FOR ATM BY USING DEEP LEARNING" is the bonafide work of " M.ABDULHAMEED (E18CSR003), N.LOGESHWARAN (E18CSR039), S.RAJAVEL (E18CSR058)" who carried out the project work under my supervision.


SIGNATURE


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Dr. M. CHINNADURAI, M.E., Ph.D.,

**Mr. S. PALANI MURUGAN,
M.E.,(Ph.D).,**

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

Department of CSE

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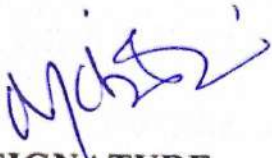

INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART COLLEGE ENQUIRY CHATBOT AND FEEDBACK MANAGER USING DEEP LEARNING" is the bonafide work of BANUPRIYA.B(E18CSR017),SAILAKSHMI.S(E18CSR060)&TAMILMATHI.S(E18CSR076) who carried out the project work under my supervision.



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Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Dr. R. MANIVANNAN, M.Tech, Ph.D.

SUPERVISOR

ASSOCIATE PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30/5/22 at E.G.S Pillay Engineering College, Nagapattinam.



INTERNAL EXAMINER

C. V. Rajasekara
30/05/2022

EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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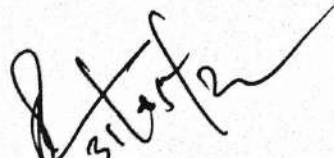

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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.


SIGNATURE

Mrs. P. VENNILA, M.E.,
SUPERVISOR
Assistant Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "INTELLIGENT WATER QUALITY MONITORING SYSTEM USING IOT" is the bonafide work of "K.HARINI (E18CSR028), L.SANTHIYA (E18CSR063), U.UDHAYAPRIYA (E18CSR079)" who carried out the project work under my supervision.


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.


SIGNATURE

**Mr. S. PRAVEEN KUMAR, M.E.,
(Ph.D)**

SUPERVISOR


Assistant Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30-5-2022 at E.G.S Pillay Engineering College (Autonomous) Nagapattinam.

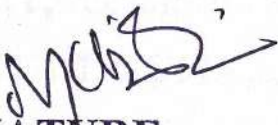

INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **“RECOMMENDATION SYSTEM USING DEEP LEARNING WITH TEXT MINING ALGORITHM IN E-COMMERCE FRAMEWORK”** is the bonafide work of **“G.KABILAN (E18CSR034), S.SANTHOSHRAJ (E18CSR064),P.R.SELVAMANIKANDAN (E18CSR066)”**who carried out the project work under my supervision.



SIGNATURE



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Dr.K.KALAIIVANI, M.E.,Ph.D.,

SUPERVISOR

Associate Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

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INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CLIENT CENTRIC FS AND BIOCRYP FOR SECURE ACCESS OVER OUTSOURCED DATA IN CLOUD SERVER" is the bonafide work of " G.ARUL RAJ (E18CSR013), G.KARTHIKESAN (E18CSR035), A.SAYAD ABDUL RAHMAN (E18CSR065)"who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

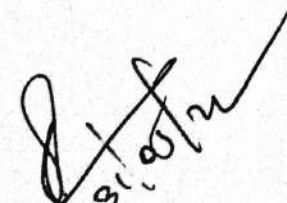
E.G.S Pillay Engineering College
Nagapattinam.

Mr. A. BASKAR, M.E.,(Ph.D),
SUPERVISOR
ASSISTANT PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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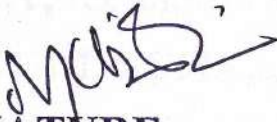

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ANNA UNIVERSITY : CHENNAI 600 025

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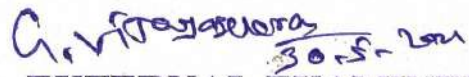
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INTERNAL EXAMINER




EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MULTI SECURE: INTEGRATION OF BIG DATA AND CLOUD FOR EFFECTIVE MULTI SECURE DATA UTILITY WITH ACCESS VERIFICATION USING ABE" is the bonafide work of SHAFEEQ S (E18CSR067) & TAMILMARAN D (E18CSR077) who carried out the project work under my supervision.



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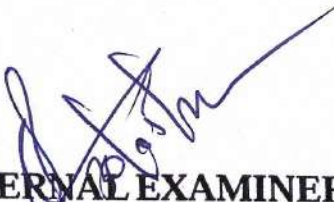
Dr. M. CHINNADURAI, M.E., Ph.D.,
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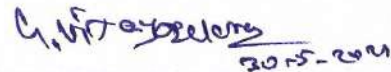
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SUPERVISOR
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Department of CSE
E.G.S Pillay Engineering College
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INTERNAL EXAMINER



30.5.2022

EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EMAIL SERVER DATA PROTECTION SYSTEM USING GEO-FENCE TECHNOLOGY AND MACHINE LEARNING" is the bonafide work of "M.MANIKANDAN (E18CSR041), V.SIVASURYA (E18CSR070), K.VARUN KUMAR (E18CSR080)" who carried out the project work under my supervision.



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Dr. M. CHINNADURAI, M.E., Ph.D.,
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Department of CSE
E.G.S Pillay Engineering College
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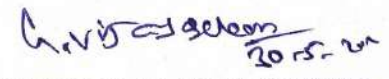
SIGNATURE

Mrs. B. RANJANI, B.E., M.E.,
SUPERVISOR
Assistant Professor
Department of CSE
E.G.S Pillay Engineering College
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INTERNAL EXAMINER



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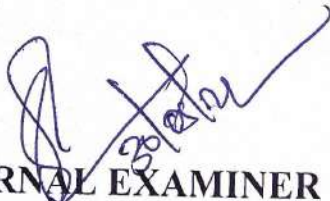
SUPERVISOR

Assistant Professor

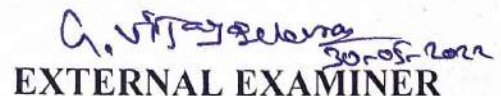
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INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND IMPLEMENTATION OF A CERTIFICATE VERIFICATION SYSTEM USING QUICK RESPONSE (QR) CODE" is the bonafide work of "R.ANBUDEVI (E18CSR011), S.SUBHASHINI (E18CSR72)" who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**



SIGNATURE

DR.S.KANNAN

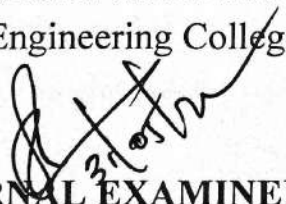
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Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on at E.G.S Pillay Engineering College, Nagapattinam. 31/05/2022



INTERNAL EXAMINER

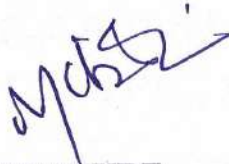


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "CYBERBULLYING DETECTION AND BLOCKING SYSTEM FOR ONLINE SOCIAL NETWORK" is the bonafide work of "M.JAYASRI (E18CSR033), K.MUTHULAKSHMI (E18CSR047), A.SUGANDHINI (E18CSR073)" who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.



SIGNATURE

Mrs. K.RAJAMMAL, M.E.

SUPERVISOR

Assistant Professor

Department of CSE

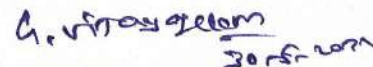
E.G.S Pillay Engineering College

Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.5.2022 at E.G.S Pillay Engineering College (Autonomous) Nagapattinam.



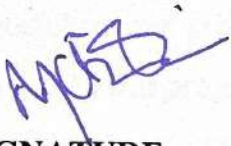
INTERNAL EXAMINER



EXTERNAL EXAMINEE

BONAFIDE CERTIFICATE

Certified that this project report "HYBRID CLOUD STORAGE SYSTEM WITH SECURE CRYPTOGRAPHY USING ECC ALGORITHM AND DATA FRAGMENTATION APPROACH" is the bonafide work of ANUSUYA.S (E18CSR012), S.SUSHMA (E18CSR074), SUVETHA.B (E18CSR075) who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

E.G.S Pillay Engineering
College(autonomous) Nagapattinam.



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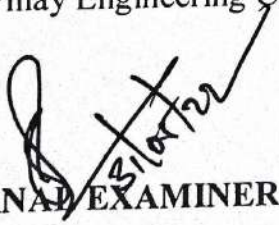
Mrs.S.SUBHASREE

SUPERVISOR
Asst. PROFESSOR

Department of CSE

E.G.S Pillay Engineering College(autonomous)
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voice examination held on 31.05.22 at E.G.S Pillay Engineering College (autonomous) Nagapattinam.



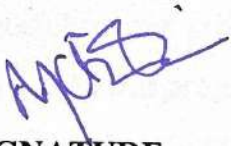
INTERNAL EXAMINER



EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

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SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

E.G.S Pillay Engineering
College(autonomous) Nagapattinam.



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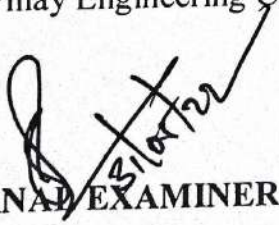
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Asst. PROFESSOR

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INTERNAL EXAMINER

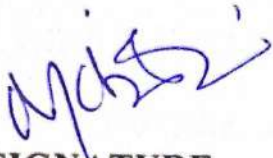


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART COLLEGE ENQUIRY CHATBOT AND FEEDBACK MANAGER USING DEEP LEARNING" is the bonafide work of BANUPRIYA.B(E18CSR017),SAILAKSHMI.S(E18CSR060)&TAMILMATHI.S(E18CSR076) who carried out the project work under my supervision.



SIGNATURE



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Dr. R. MANIVANNAN, M.Tech, Ph.D.

SUPERVISOR

ASSOCIATE PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30/5/22 at E.G.S Pillay Engineering College, Nagapattinam.



INTERNAL EXAMINER


C. V. Rajasekara
30/05/2022

EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MULTI SECURE: INTEGRATION OF BIG DATA AND CLOUD FOR EFFECTIVE MULTI SECURE DATA UTILITY WITH ACCESS VERIFICATION USING ABE" is the bonafide work of SHAFEEQ S (E18CSR067) & TAMILMARAN D (E18CSR077) who carried out the project work under my supervision.



SIGNATURE

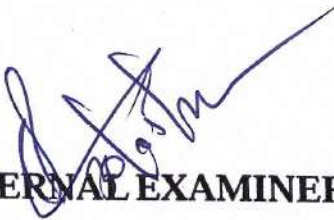
Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.



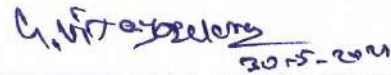
SIGNATURE

Mr. J. NOORUL AMEEN M.E.,
SUPERVISOR
Asst. PROFESSOR
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30/5/2022 at E.G.S Pillay Engineering College, Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report "PRIVACY PRESERVING SEARCHABLE ENCRYPTION WITH ROLE BASED ACCESS CONTROL" is the bonafide work of "A.AKILA (E18CSR008), A.JAYA(E18CSR031), M.THAMIZH PRIYA (E18CSR078)" who carried out the project work under my supervision.



SIGNATURE

**Dr. M. CHINNADURAI, M.E.,
Ph.D.,**

**HEAD OF THE DEPARTMENT
PROFESSOR**

Department of CSE

**E.G.S Pillay Engineering
College(autonomous)
Nagapattinam.**



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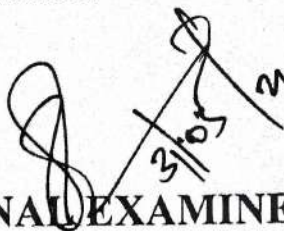
Dr. T. GANESAN, M.E., Ph.D

**SUPERVISOR
PROFESSOR**

Department of CSE

**E.G.S Pillay Engineering
College(autonomous)
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voice examination held on 31/05/2022 at E.G.S Pillay Engineering College (autonomous) Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "INTELLIGENT WATER QUALITY MONITORING SYSTEM USING IOT" is the bonafide work of "K.HARINI (E18CSR028), L.SANTHIYA (E18CSR063), U.UDHAYAPRIYA (E18CSR079)" who carried out the project work under my supervision.


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.


SIGNATURE

**Mr. S. PRAVEEN KUMAR, M.E.,
(Ph.D)**

SUPERVISOR

Assistant Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30-5-2022 at E.G.S Pillay Engineering College (Autonomous) Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EMAIL SERVER DATA PROTECTION SYSTEM USING GEO-FENCE TECHNOLOGY AND MACHINE LEARNING" is the bonafide work of "M.MANIKANDAN (E18CSR041), V.SIVASURYA (E18CSR070), K.VARUN KUMAR (E18CSR080)" who carried out the project work under my supervision.



SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.



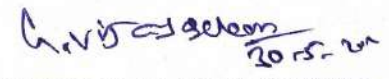
SIGNATURE

Mrs. B. RANJANI, B.E., M.E.,
SUPERVISOR
Assistant Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30/03/2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "POTHOLE DETECTION USING YOLO V3: A DEEP LEARNING APPROACH" is the bonafide work of "VELAYUTHAM K (E18CSR081), SASHWAR MOSES S (E18CSL309), VIKNESH M (E18CSL312)" who carried out the project work under my supervision.


SIGNATURE

SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,


Dr. N.MURALI, M.E., (Ph.D.),

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31/05/22 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "ACCIDENT DETECTION : IOT BASED ACCIDENT IDENTIFICATION AND RESCUE SYSTEM" is the bonafide work of " G.JAYAPREETHI (E18CSR032), S.VIJAYAKUMARY (E18CSR083), S.VISHNUPRIYA (E18CSR084)" who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

**Dr. M. CHINNADURAI,
M.E.,(Ph.D).,**

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

HEAD OF THE DEPARTMENT

Department of CSE

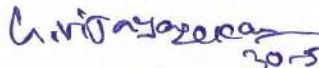
Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

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Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on at E.G.S 30-5-22 Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


30-5-2022
EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

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Dr. M. CHINNADURAI, M.E., Ph.D.,

Dr. M. CHINNADURAI,
M.E.,(Ph.D).,

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

HEAD OF THE DEPARTMENT

Department of CSE

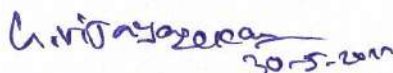
Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on at E.G.S
30-5-22 Pillay Engineering College, Nagapattinam.

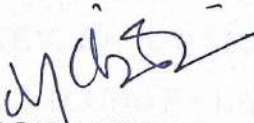

INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "VIDEO LEGACY PREDICTION USING SCALAR FEATURES AND MACHINE LEARNING" is the bonafide work of "A.AAKASH (E18CSR001), B.BALA (E18CSR016), S.VISHWA (E18CSR085)" who carried out the project work under my supervision.



SIGNATURE

**Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT**

Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**



SIGNATURE

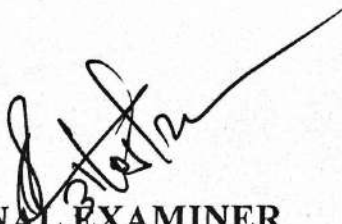
**Mr. A. BASKAR, B.E., M.E.,
SUPERVISOR**

Assistant Professor

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on 21.05.2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.



INTERNAL EXAMINER

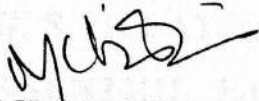


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PRESERVE SHARING OF MEDICAL DATA ROBUSTNESS TESTIMONY IN CLOUD SERVER FRAMEWORK" is the bonafide work of "ARAVINTH M (E18CSL301),SANJAY BHARATHI T (E18CSL307),SANKAR S (E18CSL308)"who carried out the project work under my supervision.


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

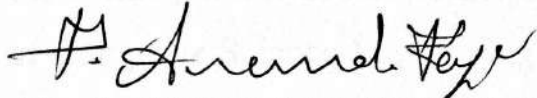
HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

SIGNATURE



Mr. P. ANAND RAJ, M.E.,(Ph.D).,

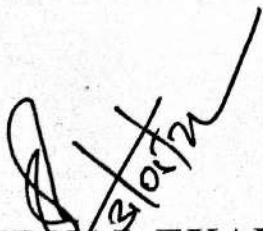
SUPERVISOR

Asst. PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31.05.22 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report "TOWARDS CYBER SECURITY: MACHINE LEARNING MALWARE METHODS FOR DETECTION AND CLASSIFICATION" is the bonafide work of "S.NAVEEN (E18CSR048), S.GOKULNATH (E18CSL302), "who carried out the project work under my supervision.


SIGNATURE


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Mrs. B. RANJANI, M.E.,
SUPERVISOR
ASSISTANT PROFESSOR

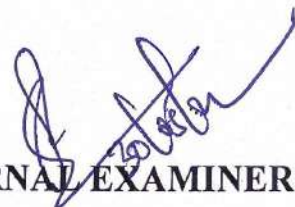
Department of CSE

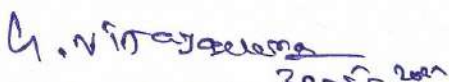
Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.5.2022
at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certify that this project report "TO DETECT FAKE VOTES AND ENORMOUS VOTING USING AADHAAR VERIFICATION USING ONLINE POOLING" is the bonafide work of "KEERTHIGA K(E18CSL303), NESAPRIYA M (E18CSL305), PADMASRI G (E18CSL306)" who carried out the project work under my supervision.


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

E.G.S. Pillay Engineering College
Nagapattinam.


SIGNATURE

Dr.K. BALASUBRAMANIAN, M.E., Ph.D.,
SUPERVISOR
ASSOCIATE PROFESSOR

Department of CSE

E.G.S. Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.05.22 at E.G.S. Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

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PROFESSOR

Department of CSE

E.G.S. Pillay Engineering College

Nagapattinam.


SIGNATURE

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SUPERVISOR

ASSOCIATE PROFESSOR

Department of CSE

E.G.S. Pillay Engineering College

Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.05.22 at E.G.S. Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

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PROFESSOR

Department of CSE

E.G.S. Pillay Engineering College

Nagapattinam.


SIGNATURE

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SUPERVISOR

ASSOCIATE PROFESSOR

Department of CSE

E.G.S. Pillay Engineering College

Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.05.22 at E.G.S. Pillay Engineering College, Nagapattinam.

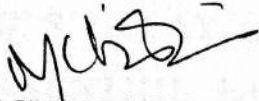

INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "PRESERVE SHARING OF MEDICAL DATA ROBUSTNESS TESTIMONY IN CLOUD SERVER FRAMEWORK" is the bonafide work of "ARAVINTH M (E18CSL301),SANJAY BHARATHI T (E18CSL307),SANKAR S (E18CSL308)"who carried out the project work under my supervision.


SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

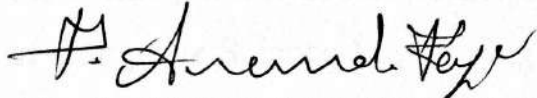
HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

SIGNATURE



Mr. P. ANAND RAJ, M.E.,(Ph.D).,

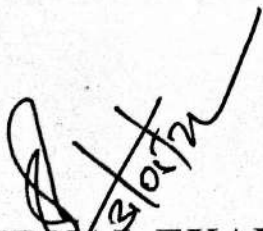
SUPERVISOR

Asst. PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31.05.22at E.G.S Pillay Engineering College,Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,

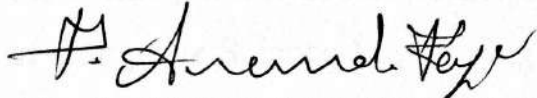
HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

SIGNATURE



Mr. P. ANAND RAJ, M.E.,(Ph.D).,

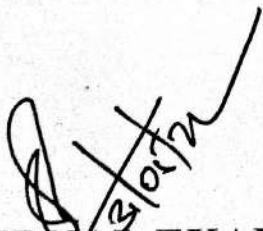
SUPERVISOR

Asst. PROFESSOR

Department of CSE

**E.G.S Pillay Engineering College
Nagapattinam.**

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31.05.22at E.G.S Pillay Engineering College,Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "POTHOLE DETECTION USING YOLO V3: A DEEP LEARNING APPROACH" is the bonafide work of "VELAYUTHAM K (E18CSR081), SASHWAR MOSES S (E18CSL309), VIKNESH M (E18CSL312)" who carried out the project work under my supervision.


SIGNATURE

SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,


Dr. N. MURALI, M.E., (Ph.D.),

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31/05/22 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600025
BONAFIDE CERTIFICATE

Certified that this project report "DRIVER FATIGUE PREDICTION WITH REAL TIME ALERT SYSTEM USING DEEP LEARNING" is the bonafide work of "B.MOHAMED FARVEEZ (E18CSR044), B.RAJAGOPAL (E18CSR057), D.SASI PRINCE (E18CSL310)" who carried out the project work under my supervision.


SIGNATURE


SIGNATURE


Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor

Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

Mrs. K. RAJAMMAL, M.E.,
SUPERVISOR
Associate Professor

Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30/1/2022 at E.G.S Pillay Engineering College, (Autonomous) Nagapattinam.

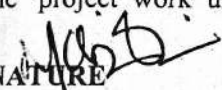

INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SENTIMENT ANALYSIS USING FACIAL EXPRESSION AND DEEP NEURAL NETWORK" is the bonafide work of "L.AKALY (E18CSR006),I.BAVADHARNI (E18CSR018),B.SUSMITHA(E18CSL311)"who carried out the project work under my supervision.


SIGNATURE

Dr.M.CHINNADURAI, M.E., Ph.D


SIGNATURE

Dr.M.PRIYA M.E.,(Ph.D),,

HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

SUPERVISOR

PROFESSOR

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31.5.22 at E.G.S Pillay Engineering College,Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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SIGNATURE

SIGNATURE

Dr. M. CHINNADURAI, M.E., Ph.D.,


Dr. N.MURALI, M.E., (Ph.D.),

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

Department of CSE

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

E.G.S Pillay Engineering College
Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 31/05/22 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

**LIFE TIME IDENTIFY BASED ON IMAGE
PROCESSING**

PHASE -I REPORT

Submitted by

M.D. ABINAYA (REGISTER NO: E20CPF001)

In partial fulfillment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY: CHENNAI 600 025

DECEMBER 2021

**DIABETES MELLITUS PREDICTION USING BACK
PROPOGATION**

NEURAL NETWORK ALGORITHM

PHASE-I REPORT

Submitted by

ABINAYA.G (REGISTER NO: E20CPF002)

*In partial fulfillment for the award of the degree
of*

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



**E.G.S. PILLAY ENGINEERING COLLEGE(Autonomous),
NAGAPATTINAM**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY :: CHENNAI 600 025

DECEMBER 2021

**PRODUCT RECOMMENDATION THROUGH SENTIMENT
ANALYSIS USING HYBRID TEXT MINING ALGORITHM IN
SOCIAL NETWORK**

PROJECT PHASE I REPORT

Submitted by

G.AJEETHA (REGISTerno: E20CPF003)

In partial fulfilment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS),

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE &

ENGINEERING

ANNAUNIVERSITY, CHENNAI 600025

DECEMBER2021

**INTRUSION DETECTION SYSTEM USING SUPPORT
VECTOR MACHINE AND ARTIFICIAL NEURAL NETWORK
ALGORITHM**

PROJECT PHASE I REPORT

Submitted by

S.AKALYA (REGISTER NO: E20CPF004)

In partial fulfillment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS),

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY:: CHENNAI 600 025

DECEMBER 2021

**DYNAMIC ACCESS CONTROL POLICIES IN
CLOUD ENVIRONMENT USING ONION
ENCRYPTION**

A THESIS

Submitted by

A.BHARATHIDHASAN (REGISTER NO: E20CPF005)

In partial fulfillment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY:: CHENNAI 600 025

DECEMBER 2021

**NEGATIVE COMMENTS DETECTION USING DEEP
LEARNING ALGORITHM IN SOCIAL NETWORK
FRAMEWORK**

PHASE 1 REPORT

Submitted by

S.JAYASRI (REGISTER NO: E20CPF006)

In partial fulfillment for the award of the degree

Of

**MASTER OF ENGINEERING IN
COMPUTER SCIENCE AND ENGINEERING**



E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS),

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY:: CHENNAI 600 025

DECEMBER 2021

**CORONA (COVID-19) DISEASE PREDICTION FROM
CT-SCAN IMAGES USING DEEP LEARNING
ALGORITHM**

PROJECT PHASE-I REPORT

Submitted by

R.KAYALVIZHI (REGISTER NO: E20CPF007)

In partial fulfilment for the award of the degree

of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



**E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS),
NAGAPATTINAM**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY: CHENNAI 600 025

DECEMBER 2021

**ANOMALY DETECTION IN BANKING USING
A VIDEO SURVEILLANCE SYSTEM**

PROJECT PHASE I REPORT

Submitted by

A. MAHESH (REGISTER NO: E20CPF008)

In partial fulfillment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



**E.G.S PILLAY ENGINEERING COLLEGE(AUTONOMOUS)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
NAGAPATTINAM**

ANNA UNIVERSITY, CHENNAI 600 025

DECEMBER 2021

**AN IMPROVED METHOD FOR IMAGE DEGRADE METRICS
PREDICTION BASED ON DEEP LEARNING ALGORITHM IN TRAFFIC
SCENE PERCEPTION**

PHASE I REPORT

Submitted by

K.NIVEDHA (REGISTER NO: E20CPF009)

In partial fulfilment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS),
NAGAPATTINAM**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY::CHENNAI 600 025

DECEMBER 2021

**IMPROVED PASSWORD SECURITY SYSTEM BASED
ON USER BEHAVIOUR**

PHASE I REPORT

Submitted by

J.PRAGATHI (REGISTER NO: E20CPF010)

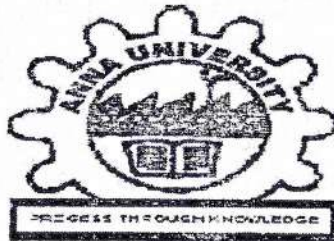
In partial fulfillment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



E.G.S. PILLAY ENGINEERING COLLEGE (AUTONOMOUS)

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY: CHENNAI 600 025

DECEMBER 2021

**DATA INTEGRITY CHECKING USING
FRAGMENTATION WITH CRYPTOGRAPHY**

PHASE I REPORT

Submitted by

K. PREETHI (REGISTERNO: E20CPF011)

In partial fulfillment for the award of the degree

Of

MASTER OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



E.G.S.PILLAY ENGINEERING COLLEGE (AUTONOMOUS),

NAGAPATTINAM

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ANNA UNIVERSITY::CHENNAI 600025

DECEMBER 2021

**WATERMARKING AND ENCRYPTION TECHNIQUE TO AVOID
DATA LEAKAGE IN CLOUD STORAGE**

PHASE I REPORT

Submitted by

B.SOWNDHARYA (REGISTER NO: E20CPF013)

In partial fulfilment for the award of the degree

Of

**MASTER OF ENGINEERING IN
COMPUTER SCIENCE AND ENGINEERING**



**E.G.S. PILLAY ENGINEERING COLLEGE(AUTONOMOUS),
NAGAPATTINAM
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ANNA UNIVERSITY::CHENNAI 600 025
DECEMBER 2021**



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Nagapattinam – 611 002



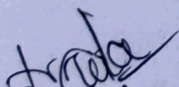
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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

BONAFIDE CERTIFICATE


Certified that this project report titled "APARTMENT VISITORS INFORMATION PORTAL" is the bonafide work of Mr. Navaneetha Krishnan R (E19CAR004) who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

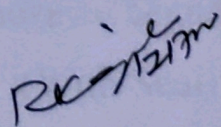

Supervisor




Dr. J. VANITHA, MCA, M.Phil., Ph.D.,
Professor / HOD
Department of MCA
E.G.S.Pillay Engineering College, (Autonomous)
Nagapattinam.

Submitted to Project and Viva Examination held on 12.07.2022


(Internal Examiner)


(External Examiner)



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DEPARTMENT OF COMPUTER APPLICATIONS

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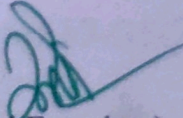
Certified that this project report titled "COMPUTER ACCESSORIES INVENTORY MANAGEMENT SYSTEM" is the bonafide work of Mr. R.RAGUVARAN (E19CAR005) who carried out the research under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

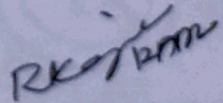

SUPERVISOR




HEAD OF THE DEPARTMENT
DR. J. VARNITHA, MCA, M.Phil., Ph.D.,
Professor / HOD
Department of MCA
E.G.S.Pillay Engineering College, (Autonomous)
Nagapattinam.

Submitted to paper and Viva Examination held on 12.07.22.....


(Internal Examiner)


(External Examiner)



E.G.S. PILLAY ENGINEERING COLLEGE
(Autonomous)
Nagapattinam – 611 002

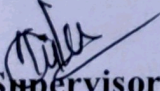


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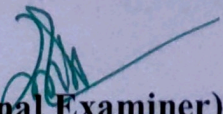
Certified that this project report titled “**KEYSTROKE WITH DATA LEAKAGE DETECTION SECURE EMAIL AUTHENTICATION**” is the bonafide work of **Mr. Ranjith kumar.R (E19CAR005)** who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

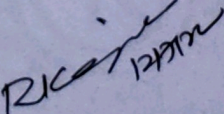

Supervisor




Head of the Department
Dr. J. VANITHA, MCA., M.Phil., Ph.D.,
Professor / HOD
Department of MCA
E.G.S.Pillay Engineering College, (Autonomous)
Nagapattinam.

Submitted to Project and Viva Examination held on 12.07.2022


(Internal Examiner)


(External Examiner)



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(Autonomous)
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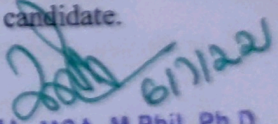
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

BONAFIDE CERTIFICATE

Certified that this project report titled "ALUMNI MANAGEMENT SYSTEM" is the bonafide work of Ms. SANKARADEVI R (E19CAR007) who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.

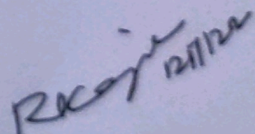

Supervisor




Dr. J. VANITHA, MCA, M.Phil., Ph.D.,
Professor / HOD
Head of the Department
E.G.S.Pillay Engineering College, (Autonomous)
Nagapattinam.

Submitted to Project and Viva Examination held on 12.07.2022


(Internal Examiner)


(External Examiner)



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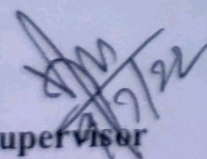
Delhi An ISO 9001:2015 Certified Institution

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

BONAFIDE CERTIFICATE

Certified that this project report titled “**ENHANCED ATM SECURITY USING FINGERPRINT**” is the bonafide work of Ms. **S.SASIREHA (E19CAR009)** who carried out the project under my supervision. Certified further, that to the best of my knowledge the work reported here in does not form part of any other project report or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.


Supervisor




Head of the Department

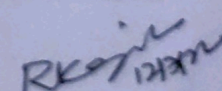
S. J. VANITHA M.C.A., M.Phil., (Ph.D.)

ASSOCIATE PROFESSOR

DEPARTMENT OF MCA

Submitted to Project and Viva Examination held on 12.07.2019 at **E.G.S. PILLAY ENGINEERING COLLEGE, NAGAPATTINAM**


(Internal Examiner)


(External Examiner)