

**List of students undertaking Student Projects
Academic Year – 2021 - 22**



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org website: www.egspec.org Ph: 04365-251112

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

This is to certify that the list of Students undertaking Student Projects in the last completed Academic year – 2021-22.

S.No	Program Name	Program Code	Students Name	Title	Place of Work
1.	BE – Computer Science and Engineering	CS	AAKASH A	Student Project: VIDEOLEGACY PREDICTION USING SCALAR FEATURES AND MACHINE LEARNING ALGORITHM	E.G.S.Pillay Engineering College
2.	BE – Computer Science and Engineering	CS	ABDUL AZEES A	Student Project: STEGNOGRAPHY TO PREVENT FROM PHOTOGRAPH SUBSTITUTION ATTACK	E.G.S.Pillay Engineering College
3.	BE – Computer Science and Engineering	CS	ABDUL HAMEED M	Student Project: FACEPIN: FACE BIOMETRIC AUTHENTICATION SYSTEM FOR ATM USING DEEP LEARNING	E.G.S.Pillay Engineering College
4.	BE – Computer Science and Engineering	CS	ABINESH B	Student Project: STEGNOGRAPHY TO PREVENT FROM PHOTOGRAPH SUBSTITUTION ATTACK	E.G.S.Pillay Engineering College
5.	BE – Computer Science and Engineering	CS	AJAYVENGATESH S	Student Project: BRAIN TUMOUR DETECTION FROM MRI IMAGES USING DEEP LEARNING TECHNIQUES	E.G.S.Pillay Engineering College
6.	BE – Computer Science and Engineering	CS	AKALYA L	Student Project: SENTIMENT ANALYSIS USING FACIAL	E.G.S.Pillay Engineering College

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu.



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				EXPRESSION AND DEEP NEURAL NETWORKS	
7.	BE – Computer Science and Engineering	CS	AKASH U	Student Project: TIME BASED ACCESS CONTROL FOR DATA SECURITY TO AVOID THREATS IN CLOUD ENVIRONMENT	E.G.S.Pillay Engineering College
8.	BE – Computer Science and Engineering	CS	AKILA A	Student Project: PRIVACY PRESERVING SEARCHABLE ENCRYPTION WITH ROLE BASED ACCESS CONTROL	E.G.S.Pillay Engineering College
9.	BE – Computer Science and Engineering	CS	AMEEN MARZOOK S	Student Project: TIME BASED ACCESS CONTROL FOR DATA SECURITY TO AVOID THREATS IN CLOUD ENVIRONMENT	E.G.S.Pillay Engineering College
10.	BE – Computer Science and Engineering	CS	ANBU DEVI R	Student Project: DESIGN AND IMPLEMENTATION OF CERTIFICATE VERIFICATION SYSTEM USING QR CODE	E.G.S.Pillay Engineering College
11.	BE – Computer Science and Engineering	CS	ANUSUYA S	Student Project: CLOUD SECURE STORAGE MECHANISM BASED ON DATA DISPERSION AND ENCRYPTION	E.G.S.Pillay Engineering College
12.	BE – Computer Science and Engineering	CS	ARULRAJ G	Student Project: FAST AND ACCURATE LIKELIHOOD RATIO-BASED	E.G.S.Pillay Engineering College

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PRINCIPAL

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				BIOMETRIC VERIFICATION SECURE AGAINST MALICIOUS ADVERSARIES	
13.	BE – Computer Science and Engineering	CS	ARUNESH D	Student Project: DEGRADED FACTOR ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORITHM	E.G.S.Pillay Engineering College
14.	BE – Computer Science and Engineering	CS	AYYAPPAN S	Student Project: BRAIN TUMOUR DETECTION FROM MRI IMAGES USING DEEP LEARNING TECHNIQUES	E.G.S.Pillay Engineering College
15.	BE – Computer Science and Engineering	CS	BALA B	Student Project: VIDEOLEGACY PREDICTION USING SCALAR FEATURES AND MACHINE LEARNING ALGORITHM	E.G.S.Pillay Engineering College
16.	BE – Computer Science and Engineering	CS	BANU PRIYA B	Student Project: SMART COLLEGE ENQUIRY CHATBOT AND FEEDBACK MANAGER USING DEEP LEARNING	E.G.S.Pillay Engineering College
17.	BE – Computer Science and Engineering	CS	BAVADHARANI I	Student Project: SENTIMENT ANALYSIS USING FACIAL EXPRESSION AND DEEP NEURAL NETWORKS	E.G.S.Pillay Engineering College
18.	BE – Computer Science and Engineering	CS	CHITRA S	Student Project: SATCHAIN: GEO NETWORK SECURITY MECHANISM	E.G.S.Pillay Engineering College

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PRINCIPAL

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				BASED ON BLOCKCHAIN USING QKD PROTOCOL	
19.	BE – Computer Science and Engineering	CS	DINESH D	Student Project: BLOCK CLOUD: VIRTUAL ASSISTANT MIMIC MODEL FOR CLOUD DATA SECURITY BASED ON BLOCKCHAIN	E.G.S.Pillay Engineering College
20.	BE – Computer Science and Engineering	CS	GAYATHRI K	Student Project: SATCHAIN: GEO NETWORK SECURITY MECHANISM BASED ON BLOCKCHAIN USING QKD PROTOCOL	E.G.S.Pillay Engineering College
21.	BE – Computer Science and Engineering	CS	GOWSALYA R	Student Project: TASK SCHEDULING AND DYNAMIC RESOURCE ALLOCATION USING HUERISTICS ALGORITHM IN CLOUD COMPUTING	E.G.S.Pillay Engineering College
22.	BE – Computer Science and Engineering	CS	GUNASUNDARI M	Student Project: STOCHASTIC AUTO QUERY AND FACE RECOGNITION ATTENDANCE SYSTEM FOR VIRTUAL MEET USING DEEP LEARNING	E.G.S.Pillay Engineering College
23.	BE – Computer Science and Engineering	CS	HARINI K	Student Project: INTELLIGENT WATER QUALITY MANAGEMENT	E.G.S.Pillay Engineering College

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PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi Nagore - 611 002

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				SYSTEM USING IOT	
24.	BE – Computer Science and Engineering	CS	HARISH V	Student Project: DEGRADED FACTOR ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORITHM	E.G.S.Pillay Engineering College
25.	BE – Computer Science and Engineering	CS	HENCYOWMIYA C	Student Project: AN EFFICIENT APPROACH TO PREDICT EXACT DATA USING MACHINE LEARNING BASED ON YEILDING DATASET	E.G.S.Pillay Engineering College
26.	BE – Computer Science and Engineering	CS	JAYA A	Student Project: PRIVACY PRESERVING SEARCHABLE ENCRYPTION WITH ROLE BASED ACCESS CONTROL	E.G.S.Pillay Engineering College
27.	BE – Computer Science and Engineering	CS	JAYAPREETHI G	Student Project: IOT BASED VEHICLE ACCIDENT DETECTION AND TRACKING SYSTEMs	E.G.S.Pillay Engineering College
28.	BE – Computer Science and Engineering	CS	JAYASRI M	Student Project: CYBERBULLYING DETECTION AND BLOCKING SYSYTEM FOR ONINE SOCIAL NETWORKSs	E.G.S.Pillay Engineering College
29.	BE – Computer Science and Engineering	CS	KABILAN G	Student Project: RECOMMENDATION SYSTEM USING DEEP LEARNING WITH TEXT MINING ALGORITHM IN E-	E.G.S.Pillay Engineering College

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PRINCIPAL
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				COMMERCE FRAMEWORK	
30.	BE – Computer Science and Engineering	CS	KARTHIKESAN G	Student Project: FAST AND ACCURATE LIKELIHOOD RATIO-BASED BIOMETRIC VERIFICATION SECURE AGAINST MALICIOUS ADVERSARIES	E.G.S.Pillay Engineering College
31.	BE – Computer Science and Engineering	CS	KEERTHANA A	Student Project: STOCHASTIC AUTO QUERY AND FACE RECOGNITION ATTENDANCE SYSTEM FOR VIRTUAL MEET USING DEEP LEARNING	E.G.S.Pillay Engineering College
32.	BE – Computer Science and Engineering	CS	KUBERAN R	Student Project: BRAIN TUMOUR DETECTION FROM MRI IMAGES USING DEEP LEARNING TECHNIQUES	E.G.S.Pillay Engineering College
33.	BE – Computer Science and Engineering	CS	LOGESHWARAN N	Student Project: FACEPIN: FACE BIOMETRIC AUTHENTICATION SYSTEM FOR ATM USING DEEP LEARNING	E.G.S.Pillay Engineering College
34.	BE – Computer Science and Engineering	CS	MANIKANDAN M	Student Project: E-MAIL SERVER DATA PROTECTION SYSTEM USING GEO-FENCE TECHNOLOGY AND MACHINE LEARNING	E.G.S.Pillay Engineering College
35.	BE –	CS	MANIKANDAN R	Student Project:	E.G.S.Pillay

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PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi. Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.



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	Computer Science and Engineering			PRIVACY PRESERVING ON DATA USING REVERSIBLE DATA HIDING	Engineering College
36.	BE – Computer Science and Engineering	CS	MANIMARAN D	Student Project: TIME BASED ACCESS CONTROL FOR DATA SECURITY TO AVOID THREATS IN CLOUD ENVIRONMENT	E.G.S.Pillay Engineering College
37.	BE – Computer Science and Engineering	CS	MOHAMED FARVEEZ B	Student Project: DRIVER FATIGUE PREDICTION WITH REAL TIME ALRT SYSTEM USING DEEP LEARNING	E.G.S.Pillay Engineering College
38.	BE – Computer Science and Engineering	CS	MUNIYANDI M	Student Project: STEGNOGRAPHY TO PREVENT FROM PHOTOGRAPH SUBSTITUTION ATTACK	E.G.S.Pillay Engineering College
39.	BE – Computer Science and Engineering	CS	MUTHULAKSHMI K	Student Project: CYBERBULLYING DETECTION AND BLOCKING SYSYTEM FOR ONINE SOCIAL NETWORKS	E.G.S.Pillay Engineering College
40.	BE – Computer Science and Engineering	CS	NAVEEN S	Student Project: TOWARDS CYBER SECURITY MACHINE LEARNING METHOD FOR MALWARE ANALYSIS	E.G.S.Pillay Engineering College
41.	BE – Computer Science and Engineering	CS	NIRANJAN S	Student Project: PRIVACY PRESERVING ON DATA USING	E.G.S.Pillay Engineering College

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Muthi Nagar - 611 002
Nagapattinam, Tamil Nadu



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				REVERSIBLE DATA HIDING	
42.	BE – Computer Science and Engineering	CS	NITHYA V	Student Project: SATCHAIN: GEO NETWORK SECURITY MECHANISM BASED ON BLOCKCHAIN USING QKD PROTOCOL	E.G.S.Pillay Engineering College
43.	BE – Computer Science and Engineering	CS	NOORMOHAMED M	Student Project: DEGRADED FACTOR ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORITHM	E.G.S.Pillay Engineering College
44.	BE – Computer Science and Engineering	CS	PARTHASARATHI R	Student Project: BLOCK CLOUD: VIRTUAL ASSISTANT MIMIC MODEL FOR CLOUD DATA SECURITY BASED ON BLOCKCHAIN	E.G.S.Pillay Engineering College
45.	BE – Computer Science and Engineering	CS	PASUBATHI K	Student Project: BLOCK CLOUD: VIRTUAL ASSISTANT MIMIC MODEL FOR CLOUD DATA SECURITY BASED ON BLOCKCHAIN	E.G.S.Pillay Engineering College
46.	BE – Computer Science and Engineering	CS	PAVITHRA A	Student Project: TASK SCHEDULING AND DYNAMIC RESOURCE ALLOCATION USING HUERISTICS ALGORITHM IN CLOUD COMPUTING	E.G.S.Pillay Engineering College

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PRINCIPAL

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47.	BE – Computer Science and Engineering	CS	PRATHEESHA E	Student Project: TASK SCHEDULING AND DYNAMIC RESOURCE ALLOCATION USING HUERISTICS ALGORITHM IN CLOUD COMPUTING	E.G.S.Pillay Engineering College
48.	BE – Computer Science and Engineering	CS	RAGAVIR	Student Project: AN EFFICIENT APPROACH TO PREDICT EXACT DATA USING MACHINE LEARNING BASED ON YEILDING DATASET	E.G.S.Pillay Engineering College
49.	BE – Computer Science and Engineering	CS	RAJAGOPAL B	Student Project: DRIVER FATIGUE PREDICTION WITH REAL TIME ALRT SYSTEM USING DEEP LEARNING	E.G.S.Pillay Engineering College
50.	BE – Computer Science and Engineering	CS	RAJAVEL S	Student Project: FACEPIN: FACE BIOMETRIC AUTHENTICATION SYSTEM FOR ATM USING DEEP LEARNING	E.G.S.Pillay Engineering College
51.	BE – Computer Science and Engineering	CS	SAILAKSHMI S	Student Project: SMART COLLEGE ENQUIRY CHATBOT AND FEEDBACK MANAGER USING DEEP LEARNING	E.G.S.Pillay Engineering College
52.	BE – Computer Science and Engineering	CS	SAKTHIVEL L	Student Project: PRIVACY PRESERVING ON DATA USING REVERSIBLE DATA HIDING	E.G.S.Pillay Engineering College

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



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53.	BE – Computer Science and Engineering	CS	SANTHIYA L	Student Project: INTELLIGENT WATER QUALITY MANAGEMENT SYSTEM USING IOT	E.G.S.Pillay Engineering College
54.	BE – Computer Science and Engineering	CS	SANTHOSHRAJ S	Student Project: RECOMMENDATION SYSTEM USING DEEP LEARNING WITH TEXT MINING ALGORITHM IN E- COMMERCE FRAMEWORK	E.G.S.Pillay Engineering College
55.	BE – Computer Science and Engineering	CS	SAYAD ABDUL RAHMAN A	Student Project: FAST AND ACCURATE LIKELIHOOD RATIO-BASED BIOMETRIC VERIFICATION SECURE AGAINST MALICIOUS ADVERSARIES	E.G.S.Pillay Engineering College
56.	BE – Computer Science and Engineering	CS	SELVAMANIKANDAN PR	Student Project: RECOMMENDATION SYSTEM USING DEEP LEARNING WITH TEXT MINING ALGORITHM IN E- COMMERCE FRAMEWORK	E.G.S.Pillay Engineering College
57.	BE – Computer Science and Engineering	CS	SHAFEEQ S	Student Project: MULTISECURE INTEGRATION OF BIG DATA AND CLOUD FOR EFFECTIVE MULTISECURE DATA UTILITY WITH ACCES VERIFICATION USING ABE	E.G.S.Pillay Engineering College
58.	BE –	CS	SIVASURYA V	Student Project:	E.G.S.Pillay

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
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	Computer Science and Engineering			E-MAIL SERVER DATA PROTECTION SYSTEM USING GEO-FENCE TECHNOLOGY AND MACHINE LEARNING	Engineering College
59.	BE – Computer Science and Engineering	CS	SNEKA R	Student Project: AN EFFICIENT APPROACH TO PREDICT EXACT DATA USING MACHINE LEARNING BASED ON YEILDING DATASET	E.G.S.Pillay Engineering College
60.	BE – Computer Science and Engineering	CS	SUBHASHINI S	Student Project: DESIGN AND IMPLEMENTATION OF CERTIFICATE VERIFICATION SYSTEM USING QR CODE	E.G.S.Pillay Engineering College
61.	BE – Computer Science and Engineering	CS	SUGANDHINI A	Student Project: CYBERBULLYING DETECTION AND BLOCKING SYSYTEM FOR ONINE SOCIAL NETWORKS	E.G.S.Pillay Engineering College
62.	BE – Computer Science and Engineering	CS	SUSHMA S	Student Project: CLOUD SECURE STORAGE MECHANISM BASED ON DATA DISPERSION AND ENCRYPTION	E.G.S.Pillay Engineering College
63.	BE – Computer Science and Engineering	CS	SUVETHA B	Student Project: CLOUD SECURE STORAGE MECHANISM BASED ON DATA DISPERSION AND	E.G.S.Pillay Engineering College

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi Naqore - 611 002.

Nagapattinam - (T) Tamil Nadu.



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				ENCRYPTION	
64.	BE – Computer Science and Engineering	CS	TAMILMATHI S S	Student Project: SMART COLLEGE ENQUIRY CHATBOT AND FEEDBACK MANAGER USING DEEP LEARNING	E.G.S.Pillay Engineering College
65.	BE – Computer Science and Engineering	CS	TAMILMARAN D	Student Project: MULTISECURE INTEGRATION OF BIG DATA AND CLOUD FOR EFFECTIVE MULTISECURE DATA UTILITY WITH ACCES VERIFICATION USING ABE	E.G.S.Pillay Engineering College
66.	BE – Computer Science and Engineering	CS	THAMIZHPRIYA M	Student Project: PRIVACY PRESERVING SEARCHABLE ENCRYPTION WITH ROLE BASED ACCESS CONTROL	E.G.S.Pillay Engineering College
67.	BE – Computer Science and Engineering	CS	UDHAYAPRIYA U	Student Project: INTELLIGENT WATER QUALITY MANAGEMENT SYSTEM USING IOTs	E.G.S.Pillay Engineering College
68.	BE – Computer Science and Engineering	CS	VARUN KUMAR K	Student Project: E-MAIL SERVER DATA PROTECTION SYSTEM USING GEO-FENCE TECHNOLOGY AND MACHINE LEARNING	E.G.S.Pillay Engineering College
69.	BE – Computer Science and Engineering	CS	VELAYUTHAM K	Student Project: POTHOLE DETECTION USING YOLO V3; A DEEP LEARNING	E.G.S.Pillay Engineering College

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
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				APPROACH	
70.	BE – Computer Science and Engineering	CS	VIJAYAKUMARY S	Student Project: IOT BASED VEHICLE ACCIDENT DETECTION AND TRACKING SYSTEM	E.G.S.Pillay Engineering College
71.	BE – Computer Science and Engineering	CS	VISHNUPRIYA S	Student Project: IOT BASED VEHICLE ACCIDENT DETECTION AND TRACKING SYSTEM	E.G.S.Pillay Engineering College
72.	BE – Computer Science and Engineering	CS	VISHWA S	Student Project: VIDEOLEGACY PREDICTION USING SCALAR FEATURES AND MACHINE LEARNING ALGORITHM	E.G.S.Pillay Engineering College
73.	BE – Computer Science and Engineering	CS	ARAVINTH M	Student Project: PRESRVE SHARING OF MEDICAL DATA ROBUSTNESS TESTIMONY IN CLOUD	E.G.S.Pillay Engineering College
74.	BE – Computer Science and Engineering	CS	GOKULNATH S	Student Project: TOWARDS CYBER SECURITY MACHINE LEARNING METHOD FOR MALWARE ANALYSIS	E.G.S.Pillay Engineering College
75.	BE – Computer Science and Engineering	CS	KEERTHIGA K	Student Project: TO DETECT FAKE VOTES AND ENORMOUS VOTING USING AADHAR VERIFICATION IN ONLNE POLING	E.G.S.Pillay Engineering College
76.	BE – Computer Science and	CS	NESAPRIYA M	Student Project: TO DETECT FAKE VOTES AND	E.G.S.Pillay Engineering College

ATTESTED

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	Engineering			ENORMOUS VOTING USING AADHAR VERIFICATION IN ONLNE POLING	
77.	BE – Computer Science and Engineering	CS	PADMASRI G	Student Project: TO DETECT FAKE VOTES AND ENORMOUS VOTING USING AADHAR VERIFICATION IN ONLNE POLING	E.G.S.Pillay Engineering College
78.	BE – Computer Science and Engineering	CS	SANJAYBHARATHI T	Student Project: PRESRVE SHARING OF MEDICAL DATA ROBUSTNESS TESTIMONY IN CLOUD	E.G.S.Pillay Engineering College
79.	BE – Computer Science and Engineering	CS	SANKAR S	Student Project: PRESRVE SHARING OF MEDICAL DATA ROBUSTNESS TESTIMONY IN CLOUD	E.G.S.Pillay Engineering College
80.	BE – Computer Science and Engineering	CS	SASHWAR MOSES S	Student Project: POTHOLE DETECTION USING YOLO V3; A DEEP LEARNING APPROACH	E.G.S.Pillay Engineering College
81.	BE – Computer Science and Engineering	CS	SASIPRINCE D	Student Project: DRIVER FATIGUE PREDICTION WITH REAL TIME ALRT SYSTEM USING DEEP LEARNING	E.G.S.Pillay Engineering College
82.	BE – Computer Science and Engineering	CS	SUSHMITHA B	Student Project: SENTIMENT ANALYSIS USING FACIAL EXPRESSION AND DEEP LEARNING	E.G.S.Pillay Engineering College

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				NETWORKS	
83.	BE – Computer Science and Engineering	CS	VIKNESH M	Student Project: POTHOLE DETECTION USING YOLO V3; A DEEP LEARNING APPROACH	E.G.S.Pillay Engineering College
84.	ME – Computer Science and Engineering	CP	ABINAYA M D	Student Project: LIFE TIME IDENTITY BASED ON IMAGE PROCESSING	E.G.S.Pillay Engineering College
85.	ME – Computer Science and Engineering	CP	ABINAYA G	Student Project: DIABETES MELLITUS PREDICTION USING BACK PROPAGATION NEURAL NETWORK ALGORITHM	E.G.S.Pillay Engineering College
86.	ME - Computer Science and Engineering	CP	AJEETHA G	Student Project: PRODUCT RECOMMENDATION THROUGH SENTIMENT ANALYSIS USING HYBRID TEXT MINING ALGORITHM IN SOCIAL NETWORK	E.G.S.Pillay Engineering College
87.	ME – Computer Science and Engineering	CP	AKALYA S	Student Project: INTRUSION DETECTION SYSTEM USING SUPPORT VECTOR MACHINE AND ARTIFICIAL NEURAL NETWORK ALGORITHM	E.G.S.Pillay Engineering College
88.	ME – Computer Science and Engineering	CP	BHARATHIDHASAN A	Student Project: DYNAMIC ACCESS CONTROL POLICIES IN CLOUD	E.G.S.Pillay Engineering College

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagapattinam - 611 002,
Kanyakumari District, Tamil Nadu.



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA


Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
(Accredited by NAAC with 'A' Grade and NBA)

Email: principal@egspec.org

website: www.egspec.org

Ph: 04365-251112

				ENVIRONMENT USING ONION ENCRYPTION	
89.	ME – Computer Science and Engineering	CP	JAYASRI S	Student Project: NEGATIVE COMMENTS DETECTION USING DEEP LEARNING ALGORITHM IN SOCIAL NETWORK FRAMEWORK	E.G.S.Pillay Engineering College
90.	ME – Computer Science and Engineering	CP	KAYALVIZHI R	Student Project: CORONA (COVID-19) DISEASE PREDICTION FROM CT-SCAN IMAGES USING DEEP LEARNING ALGORITHM	E.G.S.Pillay Engineering College
91.	ME – Computer Science and Engineering	CP	MAHESH A	Student Project: ANOMALY DETECTION IN BANKING USING A VIDEO SURVEILLANCE SYSTEM	E.G.S.Pillay Engineering College
92.	ME – Computer Science and Engineering	CP	NIVEDHA K	Student Project: AN IMPROVED METHOD FOR IMAGE DEGRADE METRICS PREDICTION BASED ON DEEP LEARNING ALGORITHM IN TRAFFIC SCENE PERCEPTION	E.G.S.Pillay Engineering College
93.	ME – Computer Science and Engineering	CP	PRAGATHI J	Student Project: IMPROVED PASSWORD SECURITY SYSTEM BASED ON USER BEHAVIOUR	E.G.S.Pillay Engineering College
94.	ME –	CP	PREETHI K	Student Project:	E.G.S.Pillay

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagar - 611 002,
Nagapattinam (Dt) Tamil Nadu.



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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA

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Email: principal@egspec.org

website: www.egspec.org

Ph: 04365-251112

	Computer Science and Engineering			DATA INTEGRITY CHECKING USING FRAGMENTATION WITH CRYPTOGRAPHY	Engineering College
95.	MI: – Computer Science and Engineering	CP	SOWNDIHARYA B	Student Project: WATERMARKING AND ENCRYPTION TECHNIQUE TO AVOID DATA LEAKAGE IN CLOUD STORAGE	E.G.S.Pillay Engineering College

uphaz

HOD/CSE

HEAD OF THE DEPARTMENT
DEPARTMENT OF CSE
E.G.S.P. Engineering College,
Nagapattinam - 611 002

ATTESTED

[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.AKASH (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 31.05.2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.

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ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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
Nagapattinam.**

**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

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam, (Dt) Tamil Nadu.

ANNA UNIVERSITY : CHENNAI 600 025

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SIGNATURE



SIGNATURE


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

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

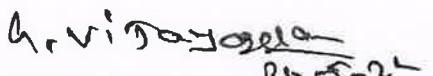
Mr. A. BASKAR, M.E.,(Ph.D.),
SUPERVISOR
Asst. PROFESSOR

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



EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

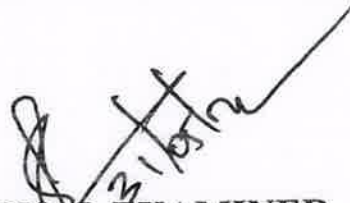
Mr. P. ANANDRAJ, M.E
SUPERVISOR

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.


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ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.

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

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EXTERNAL EXAMINER

ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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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SIGNATURE

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

Department of CSE


E.G.S Pillay Engineering College
Nagapattinam.

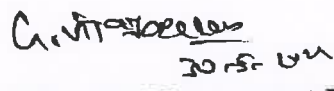
Mr. A. RAJESH, M.E.,
SUPERVISOR
Asst. PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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


INTERNAL EXAMINER


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ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY: CHENNAI 600025

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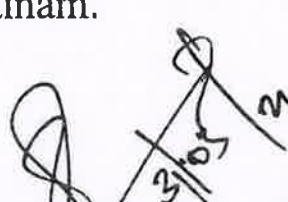
Dr. T. GANESAN, M.E., Ph.D

**SUPERVISOR
PROFESSOR**

Department of CSE

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

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



INTERNAL EXAMINER

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**Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

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


Department of CSE

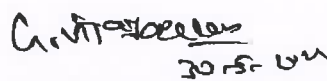
Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

E.G.S Pillay Engineering College
Nagapattinam.

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


INTERNAL EXAMINER


EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY: CHENNAI 600025

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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

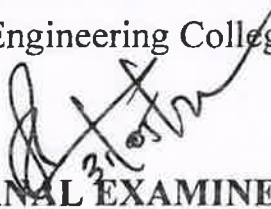
SUPERVISOR

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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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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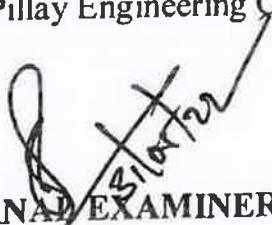
Mrs.S.SUBHASREE

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

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

A. John
SIGNATURE

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

Department of CSE

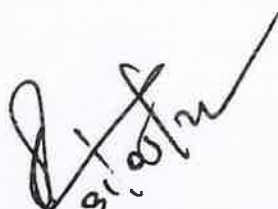
E.G.S Pillay Engineering College
Nagapattinam.

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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


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


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

Mrs. B. RANJANI, M.E.,

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

ASSISTANT PROFESSOR

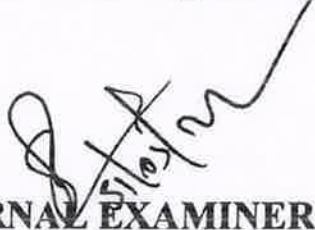
Department of CSE

Department of CSE

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

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


EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

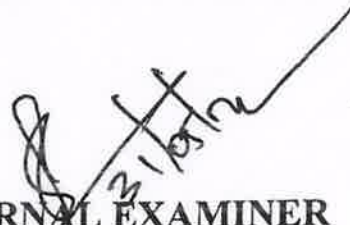
Mr. P. ANANDRAJ, M.E
SUPERVISOR

Assistant Professor

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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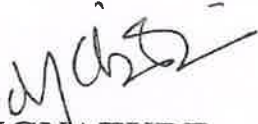
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

Assistant Professor

Department of CSE

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

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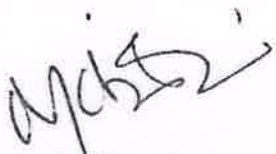
ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY: CHENNAI 600 025

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Certified that this project report "SMART COLLEGE ENQUIRY CHATBOT AND FEEDBACK MANAGER USING DEEP LEARNING" is the bonafide work of BANUPRIYA.B(E18CSR017),SAILAKSHMIS(E18CSR060)&TAMILMATHIS S(E18CSR076) 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

Department of CSE

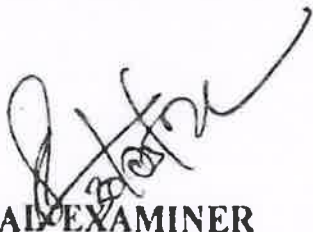
E.G.S Pillay Engineering College
Nagapattinam.

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



EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.**

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INTERNAL EXAMINER


EXTERNAL EXAMINER

2

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

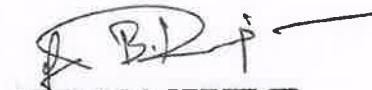
ANNA UNIVERSITY : CHENNAI 600 025

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.,

HEAD OF THE DEPARTMENT

Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

Dr. S. AMBIKA M.E.,

(Ph.D),

SUPERVISOR

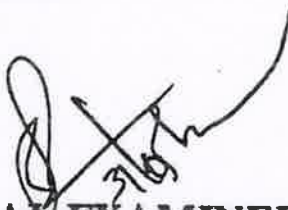
Assistant Professor

Department of CSE

E.G.S Pillay Engineering College

Nagapattinam.

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INTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



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.,

HEAD OF THE DEPARTMENT

PROFESSOR

Department of CSE

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

Mr. M.RAJAKUMARAN, 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

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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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. 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

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**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thethi, Nagore-611 002.
Nagapattinam (Dt.)**



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


SIGNATURE

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

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

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

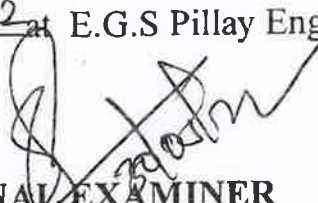
Department of CSE

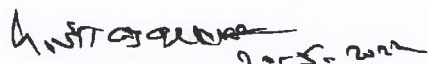
Department of CSE

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INTERNAL EXAMINER


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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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


SIGNATURE

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

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

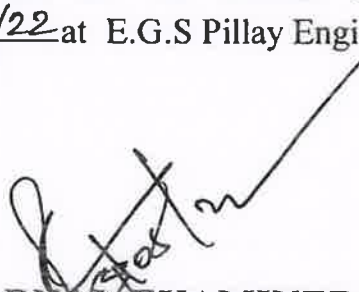
Mr. M .MARKCO, M.E.
SUPERVISOR

Asst. PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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


INTERNAL EXAMINER


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ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.


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**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

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

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.



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. G. ARUL SELAVN, M.E.,

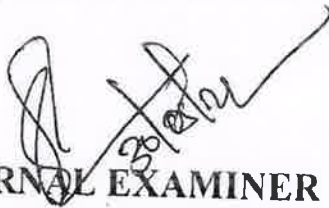
SUPERVISOR

Assistant Professor

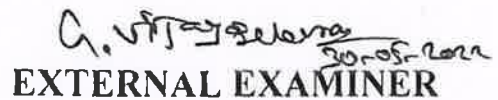
Department of CSE

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Nagapattinam.

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INTERNAL EXAMINER



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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.**



SIGNATURE

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



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**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

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

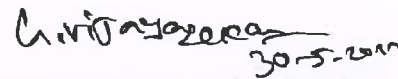
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Nagapattinam.

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30-5-22 Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

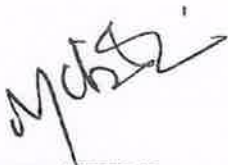
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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

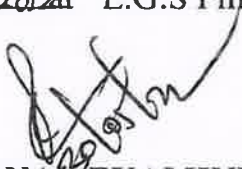
Assistant Professor

Department of CSE

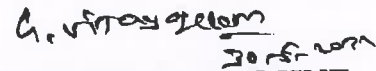
E.G.S Pillay Engineering College

Nagapattinam.

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INTERNAL EXAMINER



EXTERNAL EXAMINEE

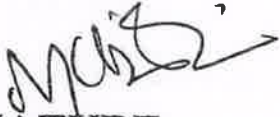
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.,

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

HEAD OF THE DEPARTMENT

SUPERVISOR

Professor

Associate 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 ~~20/05/2022~~ at E.G.S Pillay Engineering College, (Autonomous) Nagapattinam.



INTERNAL EXAMINER

A. V. Ramabalan
30.5.2022

EXTERNAL EXAMINER

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

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

A. John
SIGNATURE

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

Department of CSE

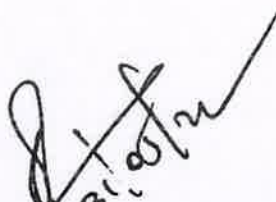
E.G.S Pillay Engineering College
Nagapattinam.

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

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


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


SIGNATURE

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HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
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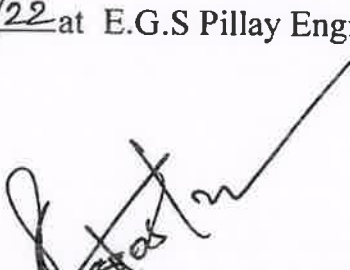
Mr.M .MARKCO, M.E.
SUPERVISOR

Asst. PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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
Nagapattinam.**

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ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.



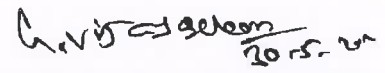
SIGNATURE

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 30/05/2012 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER


ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY : CHENNAI 600 025

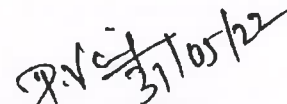
BONAFIDE CERTIFICATE

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.



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

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INTERNAL EXAMINER



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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

Department of CSE

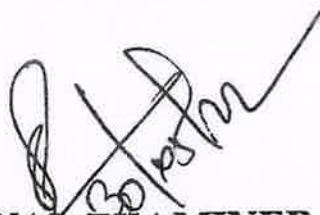
E.G.S Pillay Engineering College
Nagapattinam.

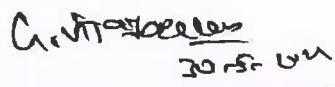
Mr. A. RAJESH, M.E.,
SUPERVISOR
Asst. PROFESSOR

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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INTERNAL EXAMINER


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Dr. S. RAMABALAM, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY: CHENNAI 600025
BONAFIDE CERTIFICATE

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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.

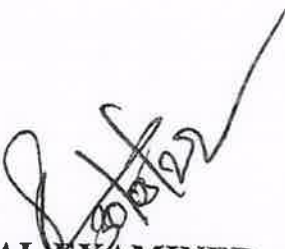
Mrs. K. RAJAMMAL, M.E.,
SUPERVISOR

Associate Professor


Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.


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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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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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

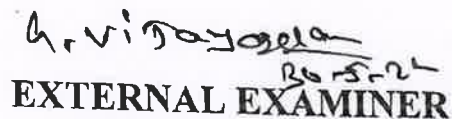
Department of CSE

E.G.S Pillay Engineering College
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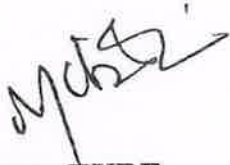
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.



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Mrs. K.RAJAMMAL, M.E.

SUPERVISOR

Assistant Professor

Department of CSE

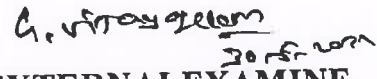
E.G.S Pillay Engineering College

Nagapattinam.

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ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

Department of CSE

Department of CSE

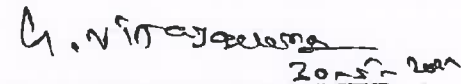
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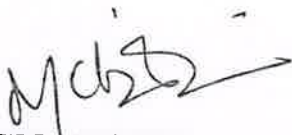
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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 902.
Nagapattinam (Dt) Tamil Nadu.

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.

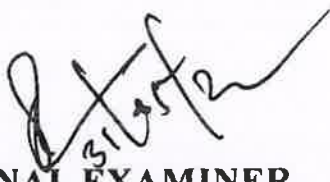

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Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.


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


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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College;
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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.,

**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

E.G.S Pillay Engineering College

Nagapattinam.

Nagapattinam.

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



INTERNAL EXAMINER

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**



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

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 30/05/20 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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.,
HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE


E.G.S Pillay Engineering College
Nagapattinam.

Mr. M.RAJAKUMARAN, 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 31.05.22 at E.G.S Pillay Engineering College, Nagapattinam.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 092.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY : CHENNAI 600 025

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SIGNATURE


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

Department of CSE

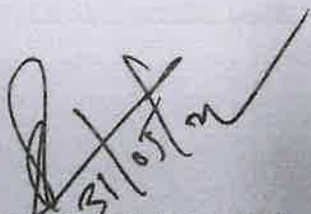
E.G.S Pillay Engineering College
Nagapattinam.

Mr. M.RAJAKUMARAN, 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 31.05.22 at E.G.S Pillay Engineering College, Nagapattinam.


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Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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


SIGNATURE

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

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

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


INTERNAL EXAMINER


EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002.
Nagapattinam, (Dt) Tamil Nadu.

ANNA UNIVERSITY: CHENNAI 600 025

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SIGNATURE


SIGNATURE

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

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

HEAD OF THE DEPARTMENT

SUPERVISOR

PROFESSOR

Asst. PROFESSOR

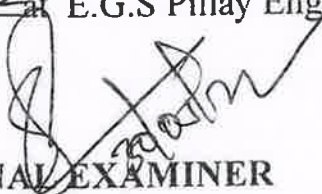
Department of CSE

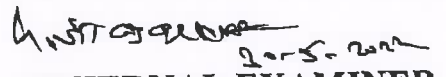
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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.



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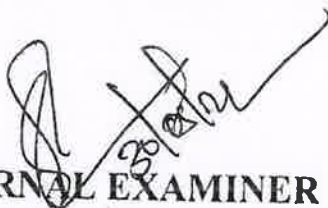
Mr. G. ARUL SELAVN, M.E.,
SUPERVISOR

Assistant Professor

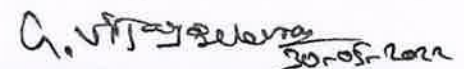
Department of CSE

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


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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
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Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY: CHENNAI 600025
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SIGNATURE



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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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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY : CHENNAI 600 025

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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.


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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
Nagapattinam.**

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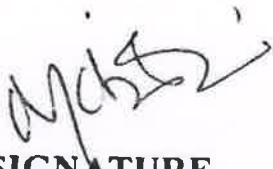
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E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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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PROFESSOR

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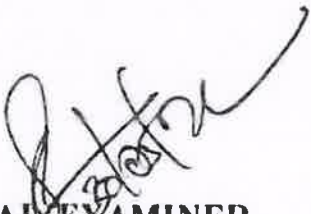
E.G.S Pillay Engineering College
Nagapattinam.

Dr. R. MANIVANNAN, M.Tech, Ph.D.
SUPERVISOR
ASSOCIATE PROFESSOR

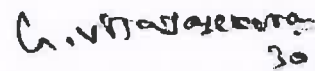
Department of CSE

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



EXTERNAL EXAMINER

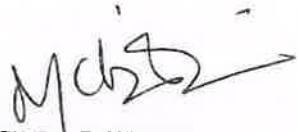
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 614 002,
Nagapattinam (Dt) Tamil Nadu.

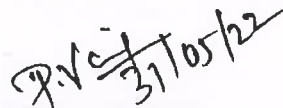
ANNA UNIVERSITY : CHENNAI 600 025

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.



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. P. VENNILA, 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 3/05/2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.


INTERNAL EXAMINER

2


EXTERNAL EXAMINER
ATTESTED
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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

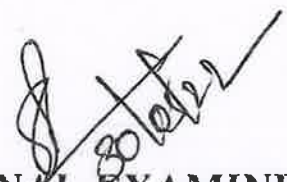
Assistant Professor


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


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nadore
Nagapattinam. (dt)

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.KALAIVANI, 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

A. V. Rajasekara
30.5.2022

EXTERNAL EXAMINER

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

A. Baskar
SIGNATURE

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

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

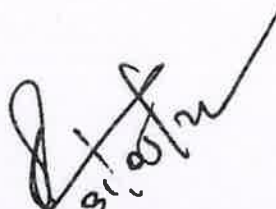
Department of CSE

Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

E.G.S Pillay Engineering College
Nagapattinam.

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


INTERNAL EXAMINER

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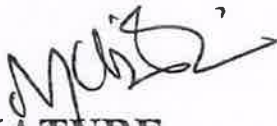
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.


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.KALAIVANI, 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 ~~20/05/2022~~ at E.G.S Pillay Engineering College, (Autonomous) Nagapattinam.



INTERNAL EXAMINER


30.5.2022

EXTERNAL EXAMINER

ATTESTED


Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.**



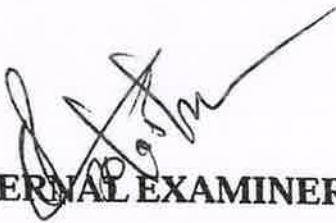
SIGNATURE

**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


30-5-2022
EXTERNAL EXAMINER

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.**

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 30/05/2012 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.



INTERNAL EXAMINER

Chinnadurai
20.05.12

EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.



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. G. ARUL SELAVN, M.E.,

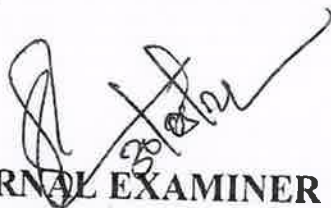
SUPERVISOR

Assistant Professor

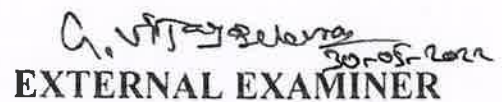
Department of CSE

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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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

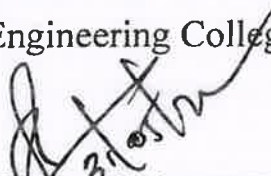
SUPERVISOR

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. 21/05/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

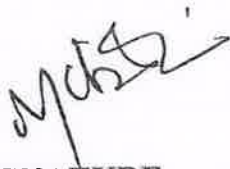
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Thanjavur.

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

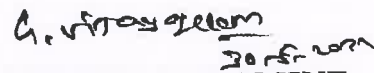
E.G.S Pillay Engineering College

Nagapattinam.

Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.5.2024 at E.G.S Pillay Engineering College (Autonomous) Nagapattinam.



INTERNAL EXAMINER



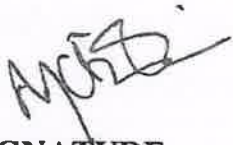
EXTERNAL EXAMINEE

ATTESTED

Dr. S. RAMABALAM, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002
Nagapattinam (Dt) Tamil Nadu.

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

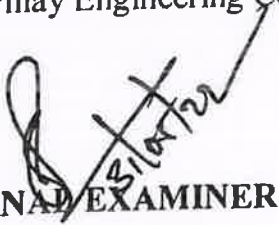
Mrs.S.SUBHASREE

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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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.



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.



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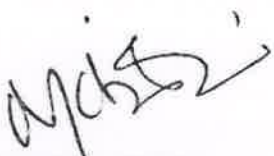
ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thothi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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),SAILAKSHMIS(E18CSR060)&TAMILMATHIS 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. Rajasekaran
30/05/2022

EXTERNAL EXAMINER

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagapattinam - 626 005, Tamil Nadu.**

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

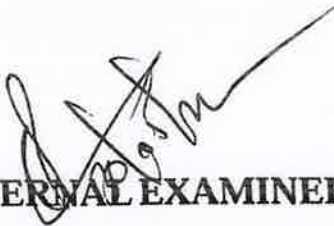
Dr. M. CHINNADURAI, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.



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



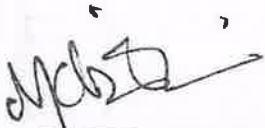
EXTERNAL EXAMINER

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002
Nagapattinam, (Dt) Tamil Nadu.

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.**



SIGNATURE

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

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thatt**

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

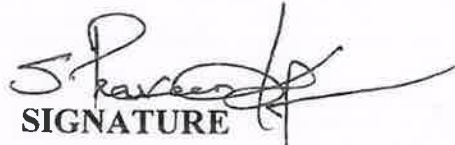
HEAD OF THE DEPARTMENT

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

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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SIGNATURE

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HEAD OF THE DEPARTMENT
Professor
Department of CSE
E.G.S Pillay Engineering College
Nagapattinam.



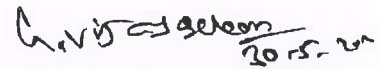
SIGNATURE

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 30/05/2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.



INTERNAL EXAMINER



EXTERNAL EXAMINER


ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Ta. du.

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.


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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

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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


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**Dr. M. CHINNADURAI,
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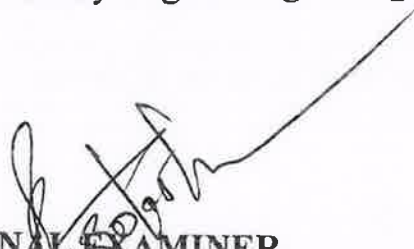
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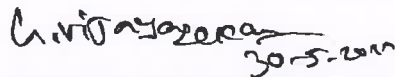
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**E.G.S Pillay Engineering College
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INTERNAL EXAMINER


EXTERNAL EXAMINER

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Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thechi Nagar, Nagapattinam, (T.N.)

ANNA UNIVERSITY : CHENNAI 600 025

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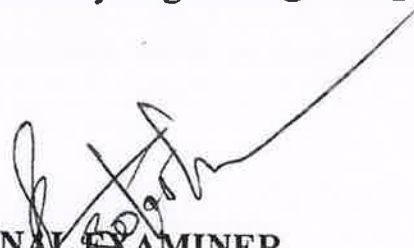
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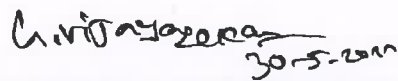
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

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.AKASH (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.

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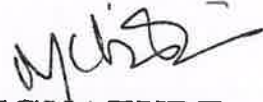
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thechi, Nagore - 611 002,
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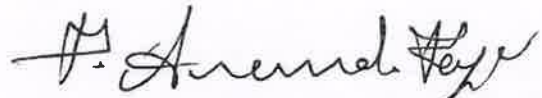
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HEAD OF THE DEPARTMENT
PROFESSOR

Department of CSE
E.G.S Pillay Engineering College
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SUPERVISOR
Asst. PROFESSOR

Department of CSE
E.G.S Pillay Engineering College
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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


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HEAD OF THE DEPARTMENT
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Department of CSE

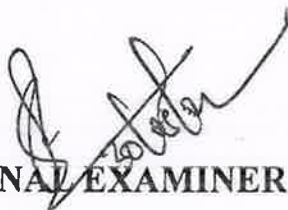
E.G.S Pillay Engineering College
Nagapattinam.


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


Department of CSE

E.G.S Pillay Engineering College
Nagapattinam.

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ATTESTED

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PRINCIPAL
E.G.S. Pillay Engineering College,
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Nagapattinam (Dt) Tamil Nadu.

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.

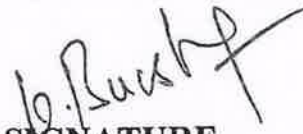


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SIGNATURE

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

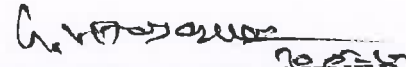
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E.G.S. Pillay Engineering College,
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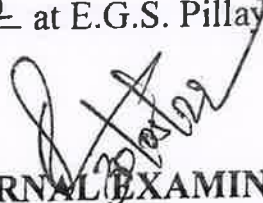
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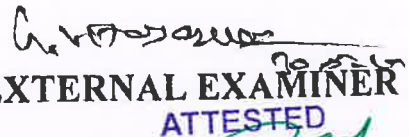
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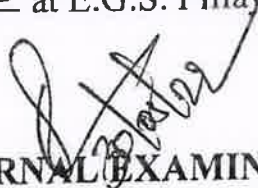
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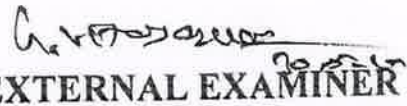
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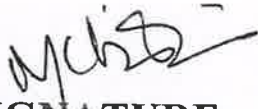
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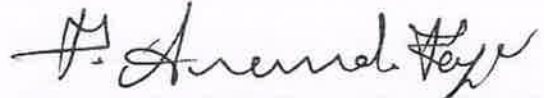
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Nagapattinam.**

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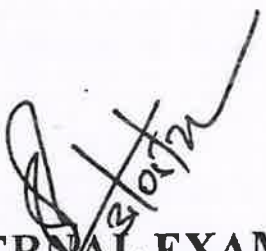
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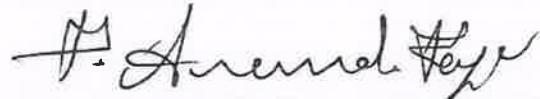
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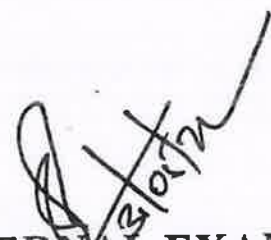
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thiruthi Nagar,
Nagapattinam (TN) 626 002.

ANNA UNIVERSITY : CHENNAI 600 025

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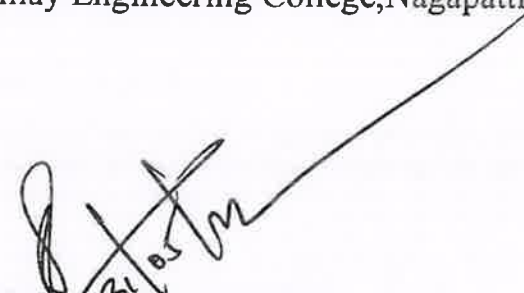
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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.

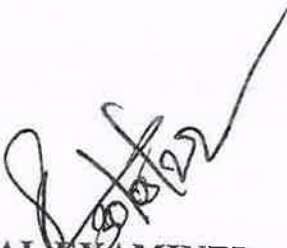
Mrs. K. RAJAMMAL, M.E.,
SUPERVISOR

Associate Professor


Department of CSE

E.G.S Pillay Engineering College
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PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

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
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PRINCIPAL
E.G.S. Pillay Engineering College,
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Nagapattinam (Tamil Nadu).

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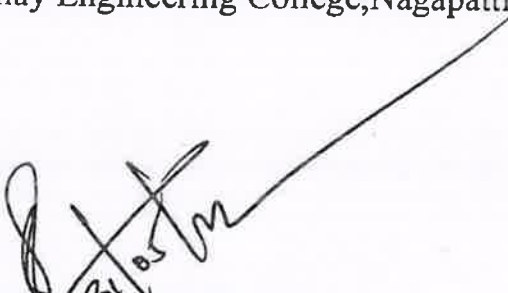
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E.G.S. Pillay Engineering College,
Thethi, Nagore - 614 002.
Nagapattinam (Dt) Tamil Nadu.

**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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

**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

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

**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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thattai Nagar, Nagapattinam, Tamil Nadu.

**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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

**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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

**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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi Narayana Temple
Nagapattinam, Tamil Nadu

**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

ATTESTED
[Signature]
**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 012
Nagapattinam (Dt) Tamil Nadu.

**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

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (dt) Tamil Nadu.**

**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

ATTESTED
[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Tamil Nadu.

**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

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thakkal Narayan, 611 002,
Tamil Nadu.

**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

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

**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

ATTESTED
[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 023,
Nagapattinam (DT), Tamil Nadu.