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

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

NAGAPATTINAM – 611 002. TAMILNADU, INDIA
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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

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				EXPRESSION AND DEEP NUERAL NETWORKS	
7.	BE – Computer Science and Engineering	CS	AKASH U	Student Project: TIME BASED ACESS 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 ACESS 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 DISPERTION 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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				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 NUERAL 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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				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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				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	HENCYSOWMIYA 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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				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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	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 ACESS 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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				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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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	RAGAVI R	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

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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

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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 DISPERTION 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 DISPERTION AND	E.G.S.Pillay Engineering College

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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

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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

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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 NUERAL	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

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				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 IMPROVISED 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

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

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DEPARTMENT OF CSE
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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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

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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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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.

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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

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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

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INTERNAL EXAMINER

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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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BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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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.

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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.

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

Certified that this project report **"DEGRADED FACTORS ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORTHM"** 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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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.

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BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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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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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.

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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.

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

Certified that this project report **"DEGRADED FACTORS ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORTHM"** 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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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

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

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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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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BONAFIDE CERTIFICATE

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

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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INTERNAL EXAMINER **EXTERNAL EXAMINER**

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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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.

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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.

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BONAFIDE CERTIFICATE

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

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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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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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BONAFIDE CERTIFICATE

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

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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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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

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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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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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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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HEAD OF THE DEPARTMENT	**SUPERVISOR**
Professor	Assistant Professor
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INTERNAL EXAMINER **EXTERNAL EXAMINER**

BONAFIDE CERTIFICATE

Certified that this project report **"DEGRADED FACTORS ANALYSIS IN MULTIMEDIA DATA USING DEEP LEARNING ALGORTHM"** 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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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.

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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.

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BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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

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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.

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BONAFIDE CERTIFICATE

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

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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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BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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INTERNAL EXAMINER **EXTERNAL EXAMINER**

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BONAFIDE CERTIFICATE

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ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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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.

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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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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

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BONAFIDE CERTIFICATE

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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

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INTERNAL EXAMINER

30-5-2022
EXTERNAL EXAMINER

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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	**SIGNATURE**
Dr. M. CHINNADURAI, M.E., Ph.D.,	**Dr.T.GANESAN,M.E.,Ph.D**
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31.05.22

INTERNAL EXAMINER **EXTERNAL EXAMINER**

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BONAFIDE CERTIFICATE

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

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INTERNAL EXAMINER

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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Nagapattinam (Dt) Ta[illegible]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.

SIGNATURE

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ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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

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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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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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BONAFIDE CERTIFICATE

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BONAFIDE CERTIFICATE

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Nagapattinam (Dt) ... du.

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

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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.

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BONAFIDE CERTIFICATE

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INTERNAL EXAMINER

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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)

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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DIABETES MELLITUS PREDICTION USING BACK PROPOGATION NEURAL NETWORK ALGORITHM

PHASE-I REPORT

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

PROJECT PHASE I REPORT

Submitted by

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MASTER OF ENGINEERING

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DECEMBER2021

ATTESTED
Dr.S.RAMABALAN, M.E., Ph.D.,
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INTRUSION DETECTION SYSTEM USING SUPPORT VECTOR MACHINE AND ARTIFICIAL NEURAL NETWORK ALGORITHM

PROJECT PHASE I REPORT

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DECEMBER 2021

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Dr.S.RAMABALAN, M.E., Ph.D.,
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DYNAMIC ACCESS CONTROL POLICIES IN CLOUD ENVIRONMENT USING ONION ENCRYPTION

A THESIS

Submitted by

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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

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DECEMBER 2021

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NEGATIVE COMMENTS DETECTION USING DEEP LEARNING ALGORITHM IN SOCIAL NETWORK FRAMEWORK

PHASE 1 REPORT

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

PROJECT PHASE-I REPORT

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ANOMALY DETECTION IN BANKING USING A VIDEO SURVEILLANCE SYSTEM

PROJECT PHASE I REPORT

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

PHASE I REPORT

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IMPROVED PASSWORD SECURITY SYSTEM BASED ON USER BEHAVIOUR

PHASE I REPORT

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DATA INTEGRITY CHECKING USING FRAGEMENTATION WITH CRYPTOGRAPHY

PHASE I REPORT

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WATERMARKING AND ENCRYPTION TECHNIQUE TO AVOID DATA LEAKAGE IN CLOUD STORAGE

PHASE I REPORT

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