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

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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

ATTESTED,

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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	
30.	BE – Computer Science and Engineering	CS	KARTHIKESAN G	FRAMEWORK 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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			1	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 YQLO V3:/A DEEP	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 SUFERA	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	СР	ABINAYA M D	Student Project: LIFE TIME IDENTITY BASED ON IMAGE PROCESSING	E.G.S.Pillay Engineering College
85.	ME – Computer Science and Engineering	СР	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	СР	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	СР	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	СР	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	СР	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	СР	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	СР	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	СР	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	СР	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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G.S. Pillay Engineering of thethi Magare \$11 002.

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(Accredited by NAAC with 'A' Grade and NBA)

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

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

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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.

A. Pohn **SIGNATURE**

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BONAFIDE CERTIFICATE

that this project report "STEGANOGRAPHY TO PREVENT Certified' 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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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.

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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 "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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Certified that this project report "SENTIMENT ANALYSIS USING FACIAL EXPRESSION AND DEEP NEURAL NETWORK" is the bonafide work of LAKALY (E18CSR006), I.BAVADHARNI (E18CSR018), B.SUSMITHA (E18CSL311)" 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 "TIME BASED ACCESS CONTROL FOR DATA SECURITY TO AVOID THREATS IN CLOUD ENVIRONMENT" 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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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**

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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.

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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 of "G.ARUL RAJ (E18CSR013), SERVER" the bonafide work (E18CSR035), G.KARTHIKESAN A.SAYAD ABDUL **RAHMAN** (E18CSR065)"who carried out the project work under my supervision.

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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 "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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ANNA UNIVERSITY: CHENNAI 600 025 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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Certified that this project report "SENTIMENT ANALYSIS USING FACIAL EXPRESSION AND DEEP NEURAL NETWORK" is the bonafide work of "LAKALY (E18CSR006), I.BAVADHARNI (E18CSR018), B.SUSMITHA (E18CSL311)" 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 sonafide work of "S.CHITRA (E18CSR020), K.GAYATHRI (E18CSR023), V.NITHYA (E18CSR050)" who carried out the project work under my upervision.

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

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

INTERNAL EXAMINER

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

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

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BONAFIDE CERTIFICATE

Certified this project "INTELLIGENT WATER report 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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INTERNAL EXAMINER

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BONAFIDE CERTIFICATE

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

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INTERNAL 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

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

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Submitted for the ANNA UNIVERSITY viva-voice examination held on zelos los 2016 E.G.S Pillay Engineering College (autonomous)

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Thethi, Nagore - 611 Nadu.

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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Nagarattinam (Dt) Tamil Madu.

1

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" the bonafide of "G.ARUL RAJ (E18CSR013), is work (E18CSR035), **G.KARTHIKESAN** A.SAYAD ABDUL **RAHMAN** (E18CSR065)"who carried out the project work under my supervision.

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

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

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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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Dr. S. RAMABALAN, M.E., Ph.D., E.G.S. Pillay Engineering College, Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamir - 4adu-

2

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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INTERNAL EXAMINER

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2

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PRINCIPA

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.

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

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ANNA UNIVERSITY: CHENNAI 600025 BONAFIDE CERTIFICATE

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

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

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.

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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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Dr. M. CHINNADURAI, M.E., Ph.D., Mrs. B. RANJANI, M.E.,

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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.

SIGNATURE

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

2

BONAFIDE CERTIFICATE

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

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

Dr. S. AMBIKA M.E.,

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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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Nagapatrinam (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 (E18CSR053)"who carried out the project (E18CSR052), K.PASUPATHI work under my supervision.

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

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Submitted for the ANNA UNIVERSITY viva-voice examination held on 31. 05.92 at E.G.S Pillay Engineering College, Nagapattinam.

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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 (E18CSR053)"who carried out the project (E18CSR052), K.PASUPATHI work under my supervision.

SIGNA

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

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Submitted for the ANNA UNIVERSITY viva-voice examination held on 31. 05.02 at E.G.S Pillay Engineering College, Nagapattinam.

AN, M.E., Ph.D., E.G.S. Pillay Engineering College,

Thethi, Nagore - 611 002. Nagapatinam (Dt) Tanni Nadu.

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

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INTERNALEXAMINER

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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.

SIGNATURE

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BONAFIDE CERTIFICATE

that this project report "AN EFFICIENT APPROACH TO Certified PREDICT EXACT DATA USING MACHINE LEARNING BASED ON YIELDING DATASET" is the bonafide of " C.HENCY work 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., Mr. G. ARUL SELAVN, M.E.,

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

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ANNA UNIVERSITY: CHENNAI 600025 BONAFIDE CERTIFICATE

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

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

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EXTERNAL EXAMINER

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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.

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INTERNAL EXAMINER

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ANNA UNIVERSITY: CHENNAI 600 025 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.

SIGNATURE

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Submitted for the ANNA UNIVERSITY viva-voce examination held on <u>80/5/22</u> at E.G.S Pillay Engineering College, Nagapattinam.

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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.

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

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Submitted for the ANNA UNIVERSITY viva-voce examination held on 3,05-2022 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.

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BONAFIDE CERTIFICATE

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

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

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Submitted for the ANNA UNIVERSITY viva-voce examination held on 30-5-2002 at E.G.S Pillay Engineering College (Autonomous) Nagapattinam.

KN, M.E., Ph.D. Dr.S.RAMABAL PRINCIPAL E.G.S. Pillay Engineering College,

Thethi Nagore 6 Nagapattinan, alki

BONAFIDE CERTIFICATE

Certified that this project report "RECOMMENDATION SYSTEM USING DEEP LEARNING WITH ALGORITHM TEXT MINING 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.

SIGNATUR

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Submitted for the ANNA UNIVERSITY viva-voce examination held on 20105 10 at E.G.S Pillay Engineering College, (Autonomous) Nagapattinam.

EXTERNAL EXAMINER

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Nagapattinam (Dt) Tamil readu.

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 the bonafide of "G.ARUL RAJ (E18CSR013), SERVER" is work (E18CSR035), G.KARTHIKESAN A.SAYAD ABDUL **RAHMAN** (E18CSR065)"who carried out the project work under my supervision.

A. Pohn SIGNATURE

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Submitted for the ANNA UNIVERSITY viva-voice examination held on 31-05-202 at E.G.S Pillay Engineering College, Nagapattinam.

INTERNAL

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

EXTERNAL EXAMINER

BONAFIDE CERTIFICATE

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

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Submitted for the ANNA UNIVERSITY viva-voce examination held on

20105 10 at E.G.S Pillay Engineering College, (Autonomous) Nagapattinam.

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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.

SIGNATURE

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

INTERVAL EXAMINER

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Nagapattinam (Dt) Tamil Nadu.

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.

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

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Submitted for the ANNA UNIVERSITY viva-voce examination held on 30/05/2012 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.

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

BONAFIDE CERTIFICATE

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

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Dr. M. CHINNADURAI, M.E., Ph.D., Mr. G. ARUL SELAVN, M.E.,

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

INTERNAL EXAMINER

EXTERNAL EXAMINER

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Nagapattinam (Dt) Tamil Nadu.

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

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

INTERNAL EXAMINER

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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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Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.5. 2012at E.G.S Pillay Engineering College (Autonomous) Nagapattinam.

INTERNAL/EXAMINER

AM, M.E., Ph.D., Dr. S. RAMABAL PRINCIPAL

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

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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Submitted for the ANNA UNIVERSITY viva-voice examination held on 31.05.32 at E.G.S Pillay Engineering College (autonomous) Nagapattinam.

INTERNATEXAMINER

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

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

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Dr. S. RAMABALAN M.E., Ph.D.,
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ANNA UNIVERSITY: CHENNAI 600 025 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.

SIGNATURE

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

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INTERNAL EXAMINER

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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.

SIGNATURE

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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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BONAFIDE CERTIFICATE

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

SIGNATURE

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Dr. S. RAMABALAM, M.E., Ph.D., E.G.S. Pillay Engineering College.

Thathi Nagore - 614 002. Nagapatimam (Dt) Tamii Narlu.

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.

SIGNATUI

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

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Submitted for the ANNA UNIVERSITY viva-voce examination held 30/05/2012 at E.G.S Pillay Engineering College (Autonomous), Nagapattinam.

W. V. S. Selean 70 15

EXTERNAL EXAMINER

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

E.G.S. Pillay Engineering College, Thethi. Nagore - 611 nn2.

Nagapattinam (Dt) Tu.

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

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BONAFIDE CERTIFICATE

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

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BONAFIDE CERTIFICATE

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

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EXTERNAL EXAMINER

AN, M.E., Ph.D. Dr. S. RAMABAL PRINCIPAL

E.G.S. Pillay Engineering College, Thethi Nagore - 611 002. Nagapatimati (01) Tamil

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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Nagapatinam (DI) Temil leadu.

BONAFIDE CERTIFICATE

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

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NAL EXAMINER

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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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30.5.2022

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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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Submitted for the ANNA UNIVERSITY viva-voce examination held on 30.06.22 at E.G.S. Pillay Engineering College, Nagapattinam.

ii.

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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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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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BONAFIDE CERTIFICATE

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

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

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BONAFIDE CERTIFICATE

that this project report "PRESERVE SHARING OF MEDICAL DATA ROBUSTNESS TESTIMONY IN CLOUD SERVER FRAMEWORK" 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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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** (E18CSL309),VIKNESH S M (E18CSL312)"who carried out the project work under my supervision.

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ANNA UNIVERSITY: CHENNAI 600025 BONAFIDE CERTIFICATE

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

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Nagapathnam (DN 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 LAKALY (E18CSR006), I.BAVADHARNI (E18CSR018), B.SUSMITHA (E18CSL311) "who carried out the project work under my supervision.

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

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Thethi Market College, 131711 Nadu.

Nagapattinam.

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INTERNAL EXAMINER

EXTERNAL EXAMINER

2

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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INTERNALEXAMINER

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11 002.
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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



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DECEMBER 2021

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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

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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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Dr.S.RAMABALANY

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Nagapattinam

(Dt) Tamil Nadu.

Nagapattinam

Nagapattinam

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DYNAMIC ACCESS CONTROL POLICIES IN CLOUD ENVIRONMENT USING ONION ENCRYPTION

A THESIS

Submitted by

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NEGATIVE COMMENTS DETECTION USING DEEP LEARNING ALGORITHM IN SOCIAL NETWORK FRAMEWORK

PHASE 1 REPORT

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DECÉMBER 2021

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

PRINCIPAL

E.G.S. Pillay Engineering College,

Thethi Manne Add C

Nugapatte (Ut)

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

PROJECT PHASE-I REPORT

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Dr. S. RAMABALAN M.E., Ph.D.,
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ANOMALY DETECTION IN BANKING USING A VIDEO SURVEILLANCE SYSTEM

PROJECT PHASE I REPORT

Submitted by

A. MAHESH (REGISTER NO: E20CPF008)

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E.G.S. Pillay Engineering College,
Thethi, Nagoro - 614 002.
Thethi, Nagoro - 614 002.
N. pattinan, 94) Tanin Nadu.

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

PHASE I REPORT

Submitted by

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ANNA UNIVERSITY:: CHENNAI 600 025 ATTESTED

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Dr. S. RAMABALAN, M.E., Ph.D.,
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IMPROVED PASSWORD SECURITY SYSTEM BASED ON USER BEHAVIOUR

PHASE I REPORT

Submitted by

J.PRAGATHI (REGISTER NO: E20CPF010)

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IN

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ANNA UNIVERSITY: CHENNAI 600 025

DECEMBER 2021

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
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AND MALE COMESES
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DATA INTEGRITY CHECKING USING FRAGEMENTATION WITH CRYPTOGRAPHY

PHASE I REPORT

Submitted by

K. PREETHI (REGISTERNO: E20CPF011)

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WATERMARKING AND ENCRYPTION TECHNIQUE TO AVOID DATA LEAKAGE IN CLOUD STORAGE

PHASE I REPORT

Submitted by

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DECEMBER 2021

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