

T.J.S. ENGINEERING COLLEGE

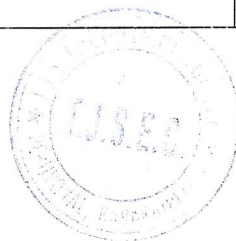
PERUVOYAL, KAVARAIPETTAI-601206

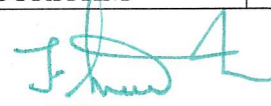
DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

CS8811- PROJECT WORK



| BATCH NO. | REG. NO. | STUDENTS NAME | PROJECT TITLE | NAME OF THE GUIDE |
|-----------|--------------|----------------------|--|----------------------|
| 1 | 112818104001 | AASHIKA. K | IMAGE COPY MOVE FORGERY DETECTION | Ms.V.PAVITHRA |
| | 112818104029 | KEERTHANA. R. | | |
| | 112818104041 | POORNITHA. S. | | |
| | 112818104048 | SHARMI V | | |
| 2 | 112818104002 | ABAKA CHARAN SAI | COMPREHENSIVE ANALYSIS FOR FRAUD DETECTION OF CREDIT CARD THROUGH MACHINE LEARNING | Mrs.J.AGNES |
| | 112818104004 | ANDALAMALA SHABARISH | | |
| 3 | 112818104006 | BALAJI. A. | SOCIAL MEDIA RUMOUR DETECTION USING BIG DATA ANALYTICS IN ENHANCED CLASSIFICATION ALGORITHM(TWITTER) | Mrs.J.AGNES |
| | 112818104032 | LOKESH G | | |
| | 112818104501 | HARISH KUMAR | | |
| 4 | 112818104007 | BALAJI. B. | SECURED INTEGRITY AND BATCH AUTHENTICATION IN VEHICULAR Ad-Hoc NETWORK | Ms.V.PAVITHRA |
| | 112818104040 | PAUL DHINAKARAN. J. | | |
| | 112818104042 | PRASANTH. R. | | |
| | 112818104049 | SIDDARTHAN. S. | | |
| 5 | 112818104008 | BALAJI. S. | SECURED BANKING TRANSACTION USING ADVANCED HASH KEY GENERATION IN BLOCKCHAIN TECHNOLOGY | Mrs.J.AGNES |
| | 112818104025 | KAARTHICK RAJ. T. | | |
| | 112818104027 | KANI AMUDHAN. S. | | |
| 6 | 112818104009 | BHARATHI RAJA. K. | A NOVEL COLOR IMAGE ENCRYPTION SCHEME BASED ON A NEW DYNAMIC COMPOUND CHAOTIC MAP AND S-BOX | Mr.S.S.SENTHIL KUMAR |
| | 112818104021 | JEEVA. V. | | |
| | 112818104044 | PRAVEEN KUMAR M | | |
| 7 | 112818104003 | ABINAYA. D. | ATTENDANCE SYSTEM BASED ON FACIAL RECOGNITION USING ENHANCED FASTER CNN ALGORITHM | Dr.S.ANBU |
| | 112818104010 | BHARGAVI. P. | | |
| | 112818104030 | LAVANYA. K. | | |




PRINCIPAL

T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kavaraipettai,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 206.

| | | | | |
|----|--------------|---------------------------|--|----------------------|
| 8 | 112818104005 | ASHNI. A. R. | PREDICTION OF PHISHING WEBSITE USING MACHINE LEARNING | Mr.T.A.VINAYAGAM |
| | 112818104011 | BHUVANESWARI.V | | |
| | 112818104013 | DINESH. D | | |
| | 112818104031 | LEELAVATHI. K. | | |
| 9 | 112818104014 | DINESH BABU. N. | SECURED HEALTH MONITORING SYSTEM USING BIG DATA ANALYTICS ENHANCED ALGORITHM | Ms.V.PAVITHRA |
| | 112818104052 | SUDHALAGUNTA LOKESH | | |
| 10 | 112818104015 | DIVYA. K. | SENSOR RECHARGING FRAMEWORK WITH SECURED PACKET SCHEDULING FOR NAMED DATA NETWORKING BASED (WSN) | Mrs.J.AGNES |
| | 112818104043 | PRATHEEBA. T. | | |
| | 112818104054 | VAISHNAVI. S. | | |
| | 112818104302 | KOKILA | | |
| 11 | 112818104016 | GOWRI SANKAR. K. B. | CRYPTO CURRENCY MARKET PRICE PREDICTION USING DATA SCIENCE TECHNIQUE | Mr.T.A.VINAYAGAM |
| | 112818104034 | MARIMUTHU P | | |
| | 112818104035 | MOSES STEPHEN ARULRAJ. S. | | |
| 12 | 112818104017 | GUDUR VARSHITH | DRIVER DROWSINESS DETECTION SYSTEM | Mr.S.S.SENTHIL KUMAR |
| | 112818104053 | UYYALA MAHESWAR REDDY | | |
| 13 | 112818104018 | GURRAM LIKITHA | DATA-DRIVEN DECISION SUPPORT FOR OPTIMIZING CYBER FORENSIC INVESTIGATIONS | Mr.T.A.VINAYAGAM |
| | 112818104019 | JAYALAKSHMI S | | |
| | 112818104037 | MYLAM SOWMYA | | |
| 14 | 112818104020 | JEBASTI SANJANA. S. | REAL TIME VIDEO OBJECT DETECTION USING DEEP LEARNING TECHNIQUES | Ms.V.PAVITHRA |
| | 112818104036 | MUGILA. K. | | |
| | 112818104051 | SUBHASHINI A | | |
| 15 | 112818104022 | JEEVITHA. S. | DETECTION OF RESENTFUL APPLICATIONS ON ONLINE SOCIAL NETWORK | Mrs.J.AGNES |
| | 112818104045 | PRINCY AVANTHIKA R | | |
| 16 | 112818104023 | JOSHUA. J. | REVERSE IMAGE SEARCH FOR THE FASHION INDUSTRY USING CNN | Mr.S.S.SENTHIL KUMAR |
| | 112818104026 | KATDHIRI JAYASURYA | | |
| | 112818104050 | SRIKANTH V G | | |
| 17 | 112818104024 | JOTHIKA. A. | IDENTIFYING NETWORKS VULNERABLE TO IP SPOOFING | Mr.T.A.VINAYAGAM |
| | 112818104028 | KARTHIKA. K. S. | | |
| | 112818104038 | NARRA SREE DIVYA | | |
| 18 | 112818104901 | AHAMED ASIK | SELF DRIVING CAR USING RASPBERRYPI | Mrs.J.AGNES |




PRINCIPAL
T.J.S. ENGINEERING COLLEGE
 Peruvoyal, Kavaraipeetai,
 Gummidipoondi Taluk,
 Thiruvallur Dist - 601 206.

IMAGE COPY MOVE FORGERY DETECTION

A PROJECT REPORT

Submitted by

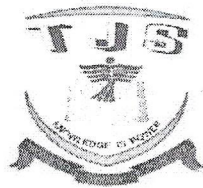
| | |
|-------------|--------------|
| AASHIKA K | 112818104001 |
| KEERTHANA R | 112818104029 |
| POORNITHA S | 112818104041 |
| SHARMI V | 112818104048 |

in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING

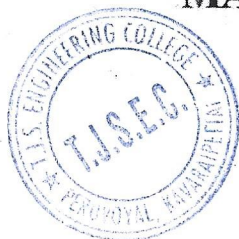


T.J.S ENGINEERING COLLEGE, PERUVOYAL



ANNA UNIVERSITY::CHENNAI 600 025

MARCH 2022




PRINCIPAL
T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kavaraipettai,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 206.

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**IMAGE COPY MOVE FORGERY DETECTION**” is the bonafide work of the following students.

**AASHIKA K
KEERTHANA R
POORNITHA S
SHARMI V**

**112818104001
112818104029
112818104041
112818104048**


SIGNATURE

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

HEAD OF THE DEPARTMENT

**DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING
T.J.S. ENGINEERING COLLEGE**


SIGNATURE

Ms.V.Pavithra, M.E.,

SUPERVISOR

**DEPARTMENT OF COMPUTER SCIENCE
AND ENGINEERING
T.J.S. ENGINEERING COLLEGE**

Submitted for the viva voce held on 22/06/22 at T.J.S Engineering College, peruvoyal


INTERNAL EXAMINER




PRINCIPAL
T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kavaraipeetai,
Gummidipoondi Taluk,
Kallur Dist - 601 206.


EXTERNAL EXAMINER

ABSTRACT

The increasing popularity of the internet suggests that digital multimedia has become easier to transmit and acquire more rapidly. This also means that this multimedia has become more susceptible to tampering through forgery. One type of forgery, known as copy-move duplication, is a specified type that usually involves image tampering. In this study, a key point-based image forensics approach based on a super pixel segmentation algorithm and Helmert transformation has been proposed. The purpose of this approach is to detect copy-move forgery images and to obtain forensic information. The procedure of the proposed approach consists of the following phases. First, we extract the key points and their descriptors by using a scale-invariant feature transform (SIFT) algorithm. Then, based on the descriptor, matching pairs will be obtained by calculating the similarity between key points. Next, we will group these matching pairs based on spatial distance and geometric constraints via Helmert transformation to obtain the coarse forgery regions. Then, we refine these coarse forgery regions and remove mistakes or isolated areas. Finally, the forgery regions can be localized more precisely. Our proposed approach is a more robust solution for scaling, rotation, and compression forgeries. The experimental results obtained from testing different datasets demonstrate that the proposed method can obtain impressive precision/recall rates in comparison to state-of-the-art methods.



PRINCIPAL
T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kavaraipeetai,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 206.