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
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	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 ENHANCEDCLASSIFICATION ALGORITHM(TWITTER)	Mrs.J.AGNES
	112818104032	LOKESH G		
	112818104301	HARISH KUMAR		
4	112818104007	BALAJI. B.	SECURED INTEGRITY AND BATCH AUTHENTICATION IN VEHICULAR Ad-Hoc NETWORK	Ms.V.PAVITHRA
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	112818104042	PRASANTH. R.		
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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.		

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8	112818104005	ASHNI. A. R.	PREDICTION OF PHISHING WEBSITE USING MACHINE LEARNING	Mr.T.A.VINAYAGAM
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9	112818104014	DINESH BABU. N.	SECURED HEALTH MONITORING SYSTEM USING BIG DATA ANALYTICS ENHANCED ALGORITHM	Ms.V.PAVITHRA
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10	112818104015	DIVYA. K.	SENSOR RECHARGING FRAMEWORK WITH SECURED PACKET SCHEDULING FOR NAMED DATA NETWORKING BASED (WSN)	Mrs.J.AGNES
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13	112818104018	GURRAM LIKITHA	DATA-DRIVEN DECISION SUPPORT FOR OPTIMIZING CYBER FORENSIC INVESTIGATIONS	Mr.T.A.VINAYAGAM
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15	112818104022	JEEVITHA. S.	DETECTION OF RESENTFUL APPLICATIONS ON ONLINE SOCIAL NETWORK	Mrs.J.AGNES
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17	112818104024	JOTHIKA. A.	IDENTIFYING NETWORKS VULNERABLE TO IP SPOOFING	Mr.T.A.VINAYAGAM
	112818104028	KARTHIKA. K. S.		
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18	112818104901	AHAMED ASIK	SELF DRIVING CAR USING RASPBERRYPi	Mrs.J.AGNES

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IMAGE COPY MOVE FORGERY DETECTION

A PROJECT REPORT

Submitted by

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in partial fulfilment for the award of the degree of

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IN

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T.J.S ENGINEERING COLLEGE, PERUVOYAL

ANNA UNIVERSITY::CHENNAI 600 025

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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.

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