KJ'S EDUCATIONAL INSTITUTES

TRINITY COLLEGE OF ENGINEERING AND RESEARCH PUNE

(Accredited by NAAC with B++ Grade Approved by AICTE & Affiliated to SPPU, Pune)

Sr. No. 25 & 27, Near. Khadi Machine Chowk, Kondhwa Annexe, Pune–48, Maharashtra

DEPARTMENT OF COMPUTER ENGINEERING

BE Project Details

A.Y 2022-23

Group Number	Group Members	Roll Number	Domain	Project Title	Project Guide
1	KONDEWAR VAISHNAVI SUHAS	CO4050	VR & Intelligent Hardware	Marker based AR for interactive learning.	Prof. Prasad Bhosale
	KANSE PRIYANKA PRASHANT	CO4044			
	SHENDGE KADAMBARI VINOD	CO4078			
	BITALE TEJAS RAMESH	CO4009			
2	BHOI NIRANJAN RAMESH	CO4005	Deep Learning	Image Caption Generating Deep Learning Model	Prof. Sneha Tirth
	KHOPADE SAMIKSHA VITTHAL	CO4047			
	BHANDALKAR RUTIK BALASO	CO4004			
	JITURI SNEHAL DATTATRAYA	CO4037			
3	DEHGHAN ZAHRA MOHAMED HASSAN	CO4019	ML	Machine Learning for Mental Health Prediction	Dr. Geetika Narang
	MOHAMMAD ANAS ABID	CO4057			
	SHINDE TANMAY PRAKASH	CO4080			
4	DUBEY ANISH KUMAR	CO4023	Blockchain	E-voting system using blockchain	Prof. Sneha Tirth
	RAJGE KASHILING JAGANNATH	CO4068			
	ATHIRA K SASIDHARAN	CO4001			
	GAIKWAD PRAJAKTA SANTOSH	CO4026			
5	BARGAJE SOPAN RANJIT	CO4003	Blockchain	Blockchain based Searchable proxy reencryption scheme for EHR security storage and sharing	Prof. Pankaj Phadtare/ Prof. Saleha Saudagar
	KUMBHAR PRASAD BHANUDAS	CO4052			
	BHUJBAL ROHIT SHIVAJI	CO4007			
	DIVEKAR ADITYA SHANKAR	CO4022			
6	KIMAYA MOHAN KUMBHARKAR	CO4048	AI & ML	Image based food classification and Volume estimation for Dietary Assessment	Prof. Pankaj Phadtare
	GAURAKHEDE PAYAL MADHUKAR	CO4028			
	DHUMAL POOJA BHANUDAS	CO4021			
	SALUNKHE PRADNYA VILAS	CO4073			
7	KALEKAR ROHAN SAHADEV	CO4040	IOT	IOT Based bidirectional sign language translator using CNN model	Dr. Geetika Narang
	GADALE OMKAR ASHOK	CO4024			
	BORKAR GAURAV MAHENDRA	CO4011			
	JADHAV SANSKAR RAMCHANDRA	CO4032			
8	KAVADE RUTUJA RAJESH	CO4045	AI & ML	Smart time table system using AI and ML	Prof. Priyanka Agrawal
	QURESHI SOHAIL MOHAMMAD SALIM	CO4067			
	VEER NIKITA TANAJI	CO4083			
	UGALE VAISHNAVI JAYRAM	CO4082			
9	KADAM JAY SHRIMANTH	CO4038	Machine Learning and Data science	Electricity Theft Detection using Pipeline in machine Learning	Prof. Pankaj Phadtare
	YADAVAR VELANKANNI SOOSANTHAN	CO4086			
	SHINDE RUGVED BABAN	CO4079			
	CHAVAN PRITI PANDHARI	CO4015			
10	JADHAV SANKET SANDEEP	CO4031	AI and ML	Design a Dashboard for Examination of Result Analysis System using AI&ML	Prof. Priyanka Agrawal
	YADAV PRATHAMESH SADASHIV	CO4085			
	PANDUGAYALA UDAYKIRAN ROSAIAH	CO4062			
	RANZANE KRUSHNA GAHININATH	CO4069			
11	NEVASE ATHARV DINESH	CO4059	ML	Movie recommendation using ML	Prof. Ruchira Tare
	PHADATARE ABHAY BHAUSAHEB	CO4065			
	DAREKAR YASH DEVIDAS	CO4018			
	BORATE JAYANT HANMANT	CO4010			
12	DEVKAR ASHUTOSH SANJAY	CO4020	ML & Data Scienece	Farmer beneficiary system using Machine Learning	Prof. Pankaj Phadtare
	HINGANE SHUBHAM ANIL	CO4029			
	BORKAR TEJAS DASHRATH	CO4012			
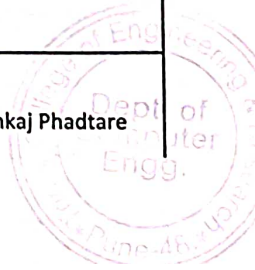
	Name	Roll No	Domain	Project Title	Guide
13	CHAVAN ADITYA SATISH	CO4014	ML	Fake Currency Detection App	Prof. Sneha Tirth
	IVARE KIRAN ANANTA	CO4030			
	BHONG MADHAVI NARSING	CO4006			
	JAGTAP SHREYA VIKAS	CO4033			
	KAMBLI DARSHANA KISHOR	CO4043			
14	KADAM PRASAD DILIP	CO4039	AI & ML	Suspicious activity detection using CNN Algorithm	Prof. Priyanka Agrawal
	PATEKAR SURAJ KAKASAHEB	CO4063			
	KAMBLE KARAN ANKUSH	CO4041			
	JARANDE DNYANESHWAR TULSHIRAM	CO4035			
15	MARLAPALLE POOJA NAMDEV	CO4054	ML	Diagnosis of Heart Diseases using CNN algorithm	Prof. Prasad Bhosale/ Prof. Saleha Saudagar
	GAIKWAD RITU SHAHAJI	CO4027			
	KOUL SHOBIT MANOJ	CO4051			
	ABHISHEK JAMNIK	CO4034			
16	RISHI RAJ	CO4071	Blockchain	Storage of patient diagnostic report in healthcare system using IPFS & Blockchain	Dr. Geetika Narang / Prof
	MEMANE KOMAL BHARAT	CO4055			
	NIGADE MRUNAL SUNIL	CO4060			
	JHA SACHIN RAJIV	CO4036			
17	WANKHEDE SHREYASH RAJU	CO4084	ML	Driver Distraction Detection Using ML	Prof. Prasad Bhosale
	SALUNKE VIKRANT SANJAY	CO4072			
	KHAN MOHAMMAD FAIQUE ZAMIR AHI	CO4046			
	NALGIRE RUSHIKESH JIVANRAO	CO4058			
18	RAUT CHANDRAKANT BHANUDAS	CO4070	ML	Student Live Behaviour in Online Class	Prof. Prasad Bhosale
	CHAUDHARI SURAJ LAXMAN	CO4013			
	BANKAR ANIKET LAXMAN	CO4002			
	CHAVAN VIVEK VISHWAS	CO4016			
19	SELUKAR SAYALI DHEERAJ	CO4074	AI and ML	Drowsiness Detection System	Prof. Ruchira Tare
	PANDIT SHREETEJ PRAVIN	CO4061			
	THAKUR RAJ UDAY	CO4081			
	GAIKWAD JERUSHA DILIP	CO4025			
20	PRAJWAL PRADEEP MANJARE	CO4066	Blockchain	Credit card fraud prevention using blockchain	Prof. Sneha Tirth/ Prof. Saleha Saudagar
	DALAVI MAYURESH DHANAJI	CO4017			
	PAWAR NISHANT HEMANT	CO4064			
	PAVAN KAMBLE	CO4042			
21	SHAIKH FARIS	CO4075	Sponsored	Accounting Software for Business & Accountant	Prof. Ruchira Tare
	BILAL SHAIKH	CO4008			
	SAGAR MIRGE	CO4056			
	YASH WADGAONKAR	CO4087			
22	KOLAPKAR ABHISHEK	CO4049	Deep Learning	Potato diseases detection using deep learning	Prof. Ruchira Tare / Prof. Saleha Saudagar
	MANISH WANKHEDE	CO4053			
	SAMI SHAIKH	CO4076			
	SHAIKH UZAIR	CO4077			

Pankaj Vishwas Phadtare
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Dr. Geetika Narang
Head of Computer Department

TRINITY COLLEGE OF ENGINEERING AND RESEARCH

Department of Computer Engineering

CERTIFICATE

This is to certify that the deep learning report entitled "VeriCash: Machine Learning Based Currency Verification" being submitted by Kiran Ivare(CO4030), Madhavi Bhong(CO4006), Shreya Jagtap(CO4033) , Darshana Kambli(CO4043) is a Bonafide work carried out by her under the supervision and guidance of Prof. Ms. Sneha Tirth in partial fulfillment of the requirement for BE Computer course of Savitribai Phule Pune University. Pune in the academic year 2022-23.

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Abstract

Many countries are affected by the matter of fake notes. Indian is one among them. With the improved technology, anyone can print fake notes. These notes are produced without legal sanction of the state and continue production of such kinds of notes can degradecountries economy. When such counterfeited notes are produced and circulated, it becomes impossible for ordinary citizens to distinguish whether the money is real or fake because theydifferentiate according to physical appearance. The biggest challenge for many countries likeIndia is the detection of fake currency. Even if banks and other big organizations have automatic machines designed to identify counterfeit currency notes, ordinary people can hardly differentiate between them. Nowadays recognition of fake currency has become challenging issue for many researchers. The identification involves many steps like edge detection, feature extraction, image segmentation, image acquisition, grayscale conversion, and comparison of images. This paper provides some related works of paper-currency recognition and has explained the spread of various currency recognition systems. Choosingthe right feature would im-prove overall system performance. The goal of this work is to review previous papers and literature, identify the benefits and disadvantages of every method. .

TRINITY

CERTIFICATE

This is to certify that the project report entitles

"Alert Generation on Detection of Suspicious Activity"

Submitted by

DNYANESHWAR JARANDE	Exam No: B190654234
PRASAD KADAM	Exam No: B190654239
KARAN KAMBLE	Exam No: B190654241
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is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Priyanka Agrawal** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

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Date: 01/06/2023
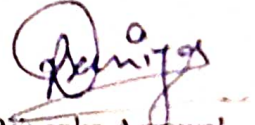Place: Pune , TCOER

Internal
Examiner

External
Examiner

CERTIFICATE BY GUIDE

This is to certify that **Mr. Dnyaneshwar Jarande, Mr. Prasad Kadam, Mr. Karan Kamble, Mr. Suraj Patekar** has completed the project work on the topic **"Alert Generation on Detection of Suspicious Activity"** under my guidance and supervision during academic year 2022-23 and I have verified the work for its originality in documentation, problem statement, implementation and results presented in the dissertation. Any reproduction of other necessary work is with the prior permission and has due ownership and included in references.

Date: 01/06/2023

Place: Pune , TCOER

Prof. Priyanka Agrawal

Signature of Guide

Abstract

Human activity recognition plays a significant role in human-tohuman interaction and interpersonal relations.The human ability to recognize another person's activities is one of the main subjects of study of the scientific areas of computer vision and machine learning. With the advent of miniaturized sensing technology, which can be body-worn, it is now possible to collect and store data on different aspects of human movement under the conditions of free living. This technology has the potential to be used in automated activity profiling systems which produce a continuous record of activity patterns over extended periods of time. Such activity profiling systems are dependent on classification algorithms which can effectively interpret body-worn sensor data and identify different activities. This article reviews the different techniques which have been used to classify normal activities and/or identify falls from body-worn sensor data. The review is structured according to the different analytical techniques and illustrates the variety of approaches which have previously been applied in this field. Although significant progress has been made in this important area, there is still significant scope for further work, particularly in the application of advanced classification techniques to problems involving many different activities.

Keyword : Deep Learning, Classification, Detect Human activity, Image Processing, Feature Extraction, YOLOv3 ect.