CRITERION 6 - FACILITIES AND TECHNICAL SUPPORT

6.4 Project laboratories (5)

S.No	Document Name	Available
1	Sample Project Report	**Yes**

6.4 Project laboratories (5)

Research plays a vital role in the educational experience, equipping engineering students with practical skills essential for future employment. The primary objective of this laboratory is to motivate and encourage students to work on in-house projects, fostering creativity and technical expertise. This lab provides a place where the students can make & their final year projects while working in groups.

Laboratory equipped with all facilities required for the project work like advance software and PCs. All PCs having internet connection and Wi-Fi facility is also provided in a Lab. It is maintained by the respective Lab Assistant under the guidance of Lab In charge.

The project laboratory of the department offers the opportunity to gain valuable hands-on experience where students become proficient in Technical Training, Mathematical Skills, Problem-Solving, Decision-Making skills etc needed in the field of Computer Engineering. The Project Laboratory has a key role in promoting practical learning experience, where students develop creative proposals and execute their final projects. For this reason, the Department of Computer Engineering has a separate Project laboratory within its premises.

Professional personnel are always available to give help and support to students in projects and Experiments. Hence a free access policy beyond the regular lab hours in a safe and secure Facilities and Utilizations is available:

S.No.	Lab Name	Purpose	Facilities	Utilization
1	Project Laboratory	Understanding the working of all the software which are useful for the students	Back End-SQL, My SQL, Front End - NetBeans /, Python, HTML, CSS, JavaScript, Java-NetBeans, Oracle etc.	UG Students Project work and mini projects Science day /hackathon Research activities for faculty members Conducting value added courses and workshop

List of projects carried out during the academic year 2023-2024

Academic year 2023-2024			
S.no.	**Student Name**	**Supervisor Name**	**Title of the project**
1	AJAY.S SHIYAM.M SIVAPRAKASAM.M THIRUVARASAN.M ARUL JENIFER.A	Dr.N.BALAJI	INTEGRATED COLLEGE MANAGEMENT SYSTEM:ENHANCING
2	PRATHAP.V BARATH.R HARI KRISHNAN.B THAMIZHARASAN.D	Dr.N.BALAJI	HOSPITAL VACCINATION NOTIFICATION SYSTEM
3	PARITOSH BISWAS M.MANISHA SHARON M THANKACHEN SINDUJA. M	Dr.N.BALAJI	RESULT ANALYSIS AND REPORTING SYSTEM
4	M.SATISH P.MANOJ KUMAR HRITIKA ROY SNEHA LAKRA	Dr.N.BALAJI	STOCK MANAGEMENT
5	APSAR ALI ABISHEK.K PREETHISHA.M	Dr.ALLEN JOSEPH	DETECTION BUS STOP USING MOBILE APPLICATION
6	KIRTHIVERSHA DEVSRI.S SOWMIYA.D ARUNTHATHI.S SANTHIYA.S	Mrs.K.ANDAL	SIGN LANGUAGE TRANSLATION
7	ABIMANU. M YUVARAJ.K SATHIVEL.A	Mrs.K.ANDAL	CAMPUS VISITORS 360

	HARI PRASATH .S JAYABALAJI.L		
8	PRITHIPA.A HEMALATHA.M PRIYADHARSHINI.M KEERTHIKA.A ARULSELVI.P	Ms.S.VINITHA	ACCIDENT PREVENTION SYSTEM USING IOT & TRIGGERED ALARM
9	EZHILARASAN.P GOWTHAM .S JAGAN.S SAKTHIVEL.A	Ms.S.VINITHA	PLACEMENT MANAGEMENT SYSTEM
10	VISHNUPRIYA.K NITHYASRI.V RAMYA.M SARASWATHIDEVI.S	Ms.S.PAVITHRA	NEURAL SIGN:A DEEP LEARNING APPROACH FOR INTELLIGENT TRAFFIC SIGN SENSING USING YOLOV5
11	DAVIDRAJ DOMINIQUE.V MURALI KRISHNAN. G SARATHRAM .K PRAVEENKUMAR.V	Mrs.SARANYA	UPI PAYMENT FRAUD DETECTION
12	GOKILASRI.G DHIVYA SRI NISHANTHI SOUNDARYA .V	Mrs.SARANYA	DEFENDERS OF LEGITIMACY ACKNOWLEDGING EXCELLENCE IN CERTIFICATE AUTHENTICATION

Academic year 2022-2023			
S.no.	**Student Name**	**Supervisor Name**	**Title of the project**

1	1. Oviya.V 2. Abiramy.K 3. Dhivya E.L 4. Keerthana.C	Dr.N.Balaji	Detecting Spam in E-Mail
2	1. Praveen.P 2. Vinayagamoorthi.E 3. Mohamed Fayas.H 4. Mohammed Kaif.M	Mrs. Nagamany Abirami.D	Fake Product Detection based on Customer Review
3	1. Thirumoothy.E 2. Gunalan.A 3. Praveen.I 4. Praveen.M	Ms. Thilagavathy. S	Finger Print Voting System
4	1.Logeswaran.S 2. Vishnu.V 3. Karthik Raj.L 4. Ranjith.S	Mrs. A.Andal	Train Track Crack Classification Project
5	1. Premavathi.S 2. Jayashree.J 3. Pavithra.E 4. Jayalakshmi.K	Ms.S.Vinitha	IOT gesture lock system
6	1. Shakthi Vignesh.S 2. Ajay Khanna.V 3. Sobith Raji.K 4. Syed Ibrahim.K	Mrs. Moshika. A	A Detective Model for Face Recognition usin Deep Learning Algorithm

7	1. Sharulatha.C 2. Akash.A 3. Akash J Nair	Mrs. Mahalakshmi. S	Crop Yield Prediction System Using Machine Learning

Academic year 2021-2022			
S.no.	**Student Name**	**Supervisor Name**	**Title of the project**
1	1. Deva Esther Soundariyam.A 2. Keerthi.S 3. Koteeshwari.I 4. Priyadharshini.E	Dr.N.Balaji	Home Automation using IOT Sensors
2	1. Azhagar.E 2. Gandhi Raj. G 3. Mohammed Arshath Ali.B 4. Sathishkumar.A	Mr.SURESHKANNAN.S	Plagiarism Checker for online Assesment
3	1. Praveen Kumar.E 2. Ravishankar.S 3. Roshith.E 4. Yogeshwaran.S	Mrs.K. Andal	Non-Invasive Health Monitoring using IOT Device and Machine Learning
4	1. Aravind.T 2. Gopalakrishnan.G 3. Mohammed Ibrahim.R 4. Vigneshwaran.V	Ms.SUMITHA.S	Tele Health and Medicare using Blockchain

5	1. Bakkiyalakhsmi.S 2. Bhuvaneshwari.M 3. Jothika.S 4. Vishali.S	Ms.KEERTHIGA.G	Predicting and Forecasting Crime Datasets using Naive Bayes and Linear Regression Techniques in Machine Learning
6	1. Deepika.N 2. Mobina.J 3. Nalini.V	Ms.SUJITHA.S	Secure Sharing of Medical Report using Digital Signature Algorithm in Asure Datalake
7	1. Karthikeyan.B 2. Kathiresh Kumar.I 3. Naveen Kumar.V 4. Sachin Tendulkar.R	Mr.BALAMURUGAN.G	Product Price Comparison for Online Shopping
8	1. Monishkar.B 2. Bouvaneshwar.A 3. Ranjan.S 4. Varunkumar.B	Mr.SATHYAMOORTHY.H	Virtual Clothing using Augmented Reality
9	1. Padmavathi.K 2. Shalini.R 3. Suguna.R	Miss. S. Vinitha	Medical Diagnosis System using Deep Learning
10	1. Surya.K 2. Sakthi.P 3. Sushvedan.N 4. Vignesh.V	Mrs.CHITHRA.V	Smart Meter based on IoT
11	1. Ashok.H 2. Pooranachandran.D	Ms.MOSHIKA.A	Advanced Architectural Visualization

	3. Purushothaman.L 4. Rakesh.V		
12	1. Arjun.R 2. Narasimman.A 3. Pravin.N 4. Vijayaragul.R	Mrs.NAGAMANY ABIRAMI.D	Credit Card Fraud Detection using Machine Learning
13	1. Aruna.I 2. Sandreswari.K 3. Sangardevi.M 4. Divya Bharathi. S	Mrs.MAHALAKSHMI.S	Bully Word Detection Using Deep learning Approaches

srivenkateshwaraa
College of Engineering & Technology
ASPIRE TO EXCEL
Ariyur, Puducherry-605 102.

PROJECT REPORT

KYC FOR ID CARD USING ARTIFICIAL INTELLIGENCE

PROJECT REPORT PHASE-II

PONDICHERRY UNIVERSITY

Submitted to in fulfilment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

By

PAVITHRA.E	**(Reg. 19TD1408)**
JAYALAKSHMI.K	**(Reg. 19TD1404)**
JAYASHREE.J	**(Reg. 19TD1405)**
PREMAVATHI.S	**(Reg. 19TD1411)**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SRI VENKATESHWARAA COLLEGE OF ENGINEERING AND TECHNOLOGY PUDUCHERRY - 605 102

JUNE 2023

SRI VENKATESHWARAA COLLEGE OF ENGINEERING AND TECHNOLOGY

(AFFLIATED TO PONDICHERRY UNIVERSITY)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"KYC FOR ID CARD USING ARTIFICIAL INTELLIGENCE"** is a bonafide work done by **PAVITHRA. E(REG:19TD1408), JAYALAKSHMI.K (REG:19TD1404), JAYASHREE.J (REG:19TD1405), PREMAVATHI.S (19TD1411),** in partial fulfilment of the requirement for the award of B.Tech degree in COMPUTER SCIENCE AND ENGINEERING by Pondicherry University during the academic year (2022-2023).

S. Vinitha 24/6/23

PROJECT GUIDE

Ms. S. VINITHA, B.Tech., M.Tech.,
Assistant Professor
Department of Computer Science & Engineering

24/6/23

HEAD OF THE DEPARTMENT

Dr. N. BALAJI, D.C.T., B.Tech., M.E.,Ph.D
Professor and Head
Department of Computer Science & Engineering

Submitted to project and Viva Examination held on 28/6/2023

28/6/23

INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

hereby give a valedictory thanks for this opportunity of considering our ides and allowing us to e our innovation to the next level.

sincerely thank our beloved principal **Dr.S. Pradeep Devaneyan, M.E., Ph.D.,** for providing he path through which our project can be executed.

also express our sincerity towards our respected Head of Department **Dr. N. Balaji, D.C.T., ech., M.E., Ph.D.,** who has provided us with lot of time and provide us space to innovate our ect.

kindly extend our gratitude towards our beloved guide **Ms. S. VINITHA, B.Tech., M.Tech.,** tant Professor of Computer Science and Engineering who has been a backbone for our project being a supporting pillar for execution and improvement of our project. She is the one who vated us with lot of new and emerging techniques with its applications.

encouragement is what we required and allowed us to take our project into the next phase.

DECLARATION

affirm that the project work titled **"KYC FOR ID CARD USING ARTIFICIAL TELLIGENCE"** being submitted in partial fulfilment for the award of Bachelor of Technology he original work carried out by us. It has not formed the part of any other project work submitted award of any degree.

VITHRA.E	**(Reg. 19TD1408)**
YALAKSHMI.K	**(Reg. 19TD1404)**
YASHREE.J	**(Reg. 19TD1405)**
EMAVATHI.S	**(Reg. 19TD1411)**

rtify that the declaration made above by the candidate is true

S. Vinitha
21/6/23

Signature of the Guide

Ms. S. VINITHA, B.Tech., M.Tech.,
Assistant Professor
Department of Computer Science and Engineering
Sri Venkateshwaraa College of Engineering Technology

ABSTRACT

The advancement of artificial intelligence (AI) and optical character recognition (OCR) techniques has paved the way for innovative identity verification systems that combine OCR technology with the power of Pytesseract. This abstract provides an overview of a system that leverages OCR and Pytesseract for robust ID verification and face recognition in real-time. The proposed system utilizes Pytesseract, a popular OCR library, to extract relevant information from identification documents such as passports, driver's licenses, or national ID cards. Pytesseract employs machine learning algorithms to accurately recognize and extract text elements, including personal details, document numbers, and expiration dates. By processing the captured text, the system automates the extraction and validation of crucial data from various ID formats. In addition to OCR, the system incorporates facial recognition technology to match the extracted information with the live image of the individual presenting the ID. Facial recognition algorithms, integrated within the AI framework, analyze and compare facial features, ensuring a reliable match between the document holder and the person in front of the camera. This multi-modal approach enhances the security and accuracy of the ID verification process, mitigating the risks associated with counterfeit or stolen documents .The system's integration with Pytesseract enables seamless processing and compatibility with multiple programming languages. Pytesseract's versatility, ease of use, and community support contribute to efficient text extraction from images, bolstering the system's overall performance.

With its real-time capabilities, the system can be applied in various contexts such as border control, access control systems, financial services, and e-commerce platforms. By integrating OCR, Pytesseract, and facial recognition technology, it enhances security, reduces manual intervention, and improves overall operational efficiency.

n conclusion, the integration of OCR, Pytesseract, and facial recognition technologies within an AI ramework provides a powerful solution for reliable and efficient ID verification. The system's bility to extract information from identification documents using Pytesseract and match it with eal-time facial data enables robust identity verification, leading to enhanced security and treamlined processes in diverse domains.

TELE HEALTH AND MEDICARE USING BLOCKCHAIN

PROJECT REPORT (PHASE – II)

PONDICHERRY UNIVERSITY

Submitted to in fulfillment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

By

ARAVIND. T	**(Reg. 18TD1302)**
GOPALAKRISHNAN. G	**(Reg. 18TD1316)**
MOHAMMED IBRAHIM. R	**(Reg. 18TD1325)**
VIGNESHWARAN. V	**(Reg. 18TD1356)**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SRI VENKATESHWARAA COLLEGE OF ENGINEERING AND TECHNOLOGY

PUDUCHERRY – 605 102

JULY - 2022

ACKNOWLEDGEMENT

We hereby give a valedictory thanks for this opportunity of considering our idea and allowing us to take our innovation to the next level.

We sincerely thank our beloved principal **Dr.S.Pradeep Devaneyan, M.E., PhD.,** for providing us the path through which our project can be executed.

We also express our sincerity toward our respected Head of Department **Dr.N.Balaji, D.C.T., B.Tech., M.E., PhD.,** who has provided us with lot of time and provide us space to innovate our project.

We kindly extend our gratitude towards our beloved guide **Mrs.K.Andal, B.E., M.E., (PhD).,** Assistant Professor of Computer Science and Engineering who has been a backbone for our project and being a supporting pillar for execution and improvement of our project. She is the one who motivated us with lot of new and emerging techniques with its applications.

DECLARATION

We affirm that the project work titled "**TELE HEALTH AND MEDICARE USING BLOCKCHAIN**" being submitted in fulfillment for the award of Bachelor of Technology is the original work carried out by us. It has not formed the part of any other project work submitted for award of any degree.

ARAVIND.T	**(Reg.18TD1302)**
GOPALAKRISHNAN .G	**(Reg.18TD1316)**
MOHAMMED IBRAHIM.R	**(Reg.18TD1325)**
VIGNESHWARAN.V	**(Reg.18TD1356)**

I certify that the declaration made above by the candidate is true

18/7/22

Signature of the Guide

Mrs.K.Andal, B.E., M.E., (PhD).,

Assistant Professor
Department of Computer Science and Engineering
Sri Venkateshwaraa College of Engineering and Technology

ABSTRACT

Telehealth has been frequently used and important during the COVID-19 pandemic. Telehealth has assisted various medical systems in reducing their need for resources and hospital beds by allowing low-risk patients to remain at home. Doctors and other medical professionals can care for and monitor patients from afar via telehealth. Transparent, immutable, traceable, auditable, secure, and dependable services are the focus of today's telehealth systems. They're also centralized, having a single point of control and failure. We present a private block chain-based strategy in this paper to address the afore mentioned challenges, which are very significant in today's telemedicine. By Combining telehealth and telemedical We demonstrate an new platform for remote clients and how block chain technology can be applied to three key telehealth and telemedical services: Telecommunication, drug delivery and Prescription Management.

TELE HEALTH AND MEDICARE USING BLOCKCHAIN

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15/7/22

PROJECT GUIDE

Mrs. K. ANDAL, B.E., M.E., (PhD).,
Assistant Professor,
Department of Computer Science & Engineering

15/7/22

HEAD OF THE DEPARTMENT

Dr. N. BALAJI, D.C.T., B.Tech., M.E., PhD.,
Professor and Head,
Department of Computer Science & Engineering

Submitted to Project and Viva Examination held on 25/7/22

25/7/22

INTERNAL EXAMINER

EXTERNAL EXAMINER

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VIGNESHWARAN.V	**(Reg.18TD1356)**

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18/7/22

Signature of the Guide

Mrs.K.Andal, B.E., M.E., (PhD).,

Assistant Professor
Department of Computer Science and Engineering
Sri Venkateshwaraa College of Engineering and Technology

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Telehealth has been frequently used and important during the COVID-19 pandemic. Telehealth has assisted various medical systems in reducing their need for resources and hospital beds by allowing low-risk patients to remain at home. Doctors and other medical professionals can care for and monitor patients from afar via telehealth. Transparent, immutable, traceable, auditable, secure, and dependable services are the focus of today's telehealth systems. They're also centralized, having a single point of control and failure. We present a private block chain-based strategy in this paper to address the afore mentioned challenges, which are very significant in today's telemedicine. By Combining telehealth and telemedical We demonstrate an new platform for remote clients and how block chain technology can be applied to three key telehealth and telemedical services: Telecommunication, drug delivery and Prescription Management.