Dr. Kamlesh Chandra Purohit Email: kamleshpurohit.cse@geu.ac.in Mobile:9412933728
Network security challenges and implementation IoT Solutions for Real World Problems Network Protocol Implementation Cyber Security Challenges and Countermeasures. Configuration of Various Modules using Embedded Programming

Contact: Dr. Bhawnesh Kumar Email: bhawneshkumar.cse@geu.ac.in Mobile: 9897680354
agile software development clustering in wireless sensor networks healthcare using AI Deep learning in healthcare energy efficiency in sensor network

Dr. Neelam Singh Email: neelamsingh@geu.ac.in Mobile: 9720105097
Sustainable Development Goals (SDG) : Clean Water Predictive analytics using ML Sustainable Development Goals (SDG) : Quality Education Smart cities (Sustainable Cities and homes) Image Recognition using Deep Learning Blockchain enabled decentralized applications Food Spoilage Detection – Use image recognition and chemical data to detect early food spoilage. Customer Churn Prediction – Develop a model that predicts customer churn in subscription-based businesses. Air Quality Prediction – Develop an ML model that predicts air pollution levels using meteorological data. Medical Image Analysis – Use CNNs to detect anomalies in X-rays, MRIs, or CT scans.

Contact: Dr. Sanjay Roka Email: sanjayroka.cse@geu.ac.in Mobile: 6396999743
Problem Statement 01: Flower Recognition and cassification Using Machine learning algorithm Problem Statement 02: Lung Cancer Detection using Convolutional Neural Network (CNN) Problem Statement 03: Skin Cancer Detection using Machine/ Deep learning based architecture Problem Statement 04: Rice prediction using machine learning algorithm Problem Statement 05: Multimodal based Brain Tumor Detection and Classification Using machine learning/ Deep Learning technique Eye diseases detection and classification using Artificial intelligence Image denoising using Convolution neural network

Contact: Mr. Harendra Singh Negi Email: mail.harendrasinghnegi@gmail.com Mobile:8126475013
Light Electric Vehicle Battery Performance Analysis Real Time Fire Detection using Image and Video Processing An Analytical Comparison of Crime Prediction using ML machine Learning Approaches for waste management AI based Attendance Monitoring System using ML Performance Evaluation on Detection od Phi sing Websites using ML A Smart Forest Fire Detection and Notification System using IoT and ML Parkinson's Disease Prediction System using ML AI based Air Quality Monitoring System using ML

Contact: Dr. Varsha Mittal Email: varshamittal@geu.ac.in Mobile: 9634435387
Prediction using Machine learning AI and healthcare use of Generative AI in different domain Use of artificial Intelligence to improve Quality Education Use of machine learning and air quality monitoring system machine learning to improve nutritional value of food

Contact: Dr. Vandana Rawat Email: vandanarawat2405@gmail.com Mobile: 7055001712
IOT based Human Interaction System Emerging Technology for Healthcare Delivery Blockchain based security Applications AI assisted Emergency Healthcare System Digital Health Solution using MAchine LEarning/Deep Learning Solar Energy Forecasting Smart Waste Management System using Machine Learning Biodiversity Monitoring using Deep Learning

Air/Water quality Monitoring

Contact: Dr. Sushil Dimri Email: dimri.sushil2@gmail.com **Mobile: 8077147200**

- Machine learning
- Computer graphics
- Network security
- Algorithm optimization
- Modeling and simulations of systems
- Traffic control and optimization

Contact: Ms. Afsar Jahan Email: afsarjahan.ca@geu.ac.in
Mobile: 9027576208

- Real-time Traffic and Parking Management System
- AI-Based Handwritten Notes to Text Converter
- Smart AI-Based Exam Proctoring System
- AI-Powered Personalized Learning Platform
- Automated Resume Screening System

Dr. Pawan Kumar Mishra Email: pawankmishra.cse@geu.ac.in , pawan.78@gmail.com **Mobile: 9411413650**

- Video Compression and Motion Estimation Using Discrete Cosine Transform
- Brightness Preserving Image Contrast Enhancement
- HIERARCHICAL TREE BASED IMPROVED IMAGE COMPRESSION TECHNIQUE
- Detection and classification in video surveillance system using feature extraction Algorithm
- Wavelet Based Image Resolution Enhancement with Auto-Brightness Enhancement

Contact: Mr. Jaishankar Bhatt Email: jaishankarbhatt@geu.ac.in **Mobile: 8077915658**

- IOT based smart applications using Arduino uno
- Web Technologies Based Mini Projects
- Disease Prediction Using Machine Learning
- Smart health monitoring system
- IOT based Smart street light system

Contact: Dr. Dinesh C Dobhal Email: dineshdobhal@geu.ac.in **Mobile: 9456744499**

- AI based solution for identification of a person using facial data.
- AI based solution for identification for malicious programs
- Traffic Pattern Recognition Methods and Applications
- IoT-Based Vehicle Monitoring and Safety Systems
- Deep Learning Applications in IoT-Aided Intelligent Transport Systems (ITS)

Contact: Mr. Aditya Joshi Email: joshi.zenith@gmail.com   **Mobile: 9557004416**

- Person Re-identification in Computer Vision
- Panoptic Segmentation in Computer Vision
- Keypoint Detection in Image using Deep Learning
- crop yield prediction using machine learning
- Biodiversity conservation using AI
- Deep learning in healthcare

Contact: Mohd Shuaib Email: shuaib.ca@geu.ac.in **Mobile: 9557706428**

- Full stack development
- Lung cancer detection using explainable AI
- facial expression recognition using explainable AI

Contact: Ms. Shikha Thakur Email: thakurshikha1130@gmail.com
Mobile: 7895932396

- Smart Agriculture and Food Supply Chain Management
- Decentralized Healthcare Data Management System
- AI-Based Crime Prediction and Emergency Response System.
- AI-Powered Personalized Learning & Career Guidance Platform
- Dark Web Threat Intelligence and Monitoring System

Contact: Ms. Aakriti Singh Email: aakritisingh431@gmail.com **Mobile:**

- Smart Home Automation System with Voice Control
- AI-Powered Chatbot for Mental Health Support
- Secure File Sharing System
- Smart Irrigation System
- Online Data Backup and Restore Service

Autonomous Vehicle Detection and Traffic Sign Recognition System
Multiplayer Augmented Reality (AR) Strategy Game
Intrusion Detection System Using Machine Learning

Contact: Ms. Swati Pant Email: swatipant.ca@geu.ac.in **Mobile:** 7500057411

Password Strength Analyzer & Auto-Suggester
Brainwave Emotion Detection
Ransomware Detection Using Behavioral Analysis
Cyber Threat Intelligence Dashboard
Personalized Study Planner

Contact: Mr. Utsav Kumar   Email: utsavkumar.ca@geu.ac.in **Mobile:** 9576685689

Chat Application with End-to-End Encryption
Microservices-based E-commerce Platform
Real-time Video Processing and Analysis

Contact: Ms. Rashmi Kanyal Email: rashmikanyal.ca@gmail.com **Mobile**

AI-Based Intrusion Detection System (IDS) for Network Security
Web Application
Smart Waste Management System Using AI & IoT
AI-Based Driver Drowsiness Detection System
AI-Based Sign Language Recognition System (sign language gestures into text/audio.)
Mobile Application

Contact: Mr. Pratik Kumar Email: pratikkumar.ca@geu.ac.in **Mobile:** 8404941098

AI-Powered Image Captioning
Medical Image Analysis
Fake News Detection
AI Game Player
E-commerce Product Recommendation

Contact: Ms. Vikash Kumar Email: vikashkumarpd04@gmail.com **Mobile:** 8678813350

Cotton leaf disease prediction using CNN
Disease Prediction Using Machine Learning
Web development
Enhancing Security in MANETs with Deep Learning-Based Intrusion Detection
Plant Species Identification Using Machine Learning

Contact: Ms. Ayushi Dwivedi Email: ayushidwivedi911@gmail.com **Mobile:** 8305281993

AI chatbot
Preparing Dashboard using. Power bi/Tableau
Sign language prediction using ML
Handwritten digit Recognition
Heart disease prediction

Contact: Mr. Mukesh Singh Email: mukeshsingh.cse@geu.ac.in **Mobile:** 7990339287

Emerging Technology (Application of AI/ML/DL/GenAI in Education for Interactive Learning)
AI-based Personal Assistant for the Visually Impaired
Big Data Analytics for Retail
Cybersecurity Threat Detection Using Machine Learning
Deep Learning for Medical Image Classification
Cybersecurity Awareness and Phishing Detection Tool
Data Privacy in GenAI Models
Augmented Reality for Virtual Shopping Experience
AI for Sentiment Analysis on Social Media

Contact: Mr. Anmol Chaudhary Email: anmolchaudhary.cc@geu.ac.in **Mobile:** 9149062705

AI-Based Cybersecurity System for Detecting Zero-Day Exploits in Web Applications
Decentralized Privacy-Preserving Social Media Analytics Using Blockchain
AI-Driven Crop Disease Prediction and Early Warning System Using Satellite Imaging
Scalable Recommendation System for E-commerce Using Collaborative Filtering and Content-Based Filtering
Intelligent Java-Based Resource Allocation System for Cloud Computing

Contact: Mr. Priyansh Kumar Email: priyanshkumar84@gmail.com Mobile: 7500068057

Image Classification with Convolutional Neural Networks (CNNs)
Sentiment Analysis of Social Media Text
Predicting House Prices Using Regression Models
Recommendation System for E-Commerce
Voice Recognition and Speech-to-Text System
Face Recognition for Security Systems
Stock Market Prediction Using Time Series Analysis
Natural Language Processing (NLP) for Text Summarization
Spam Email Detection
Real-Time Object Detection

Contact: Ms Gunjan Mehra Email: gunjanmehra.ca@geu.ac.in Mobile: 7088316631

Voice recognition and speech to text system
Predicting house prices using regression model
Diates prediction system
Face recognition for security systems
Crop yield prediction system
Recommendation system for e commerce
Stock market prediction using time series analysis
Sentiment analysis for social media text
Image classification and convolution neural network

Contact: Mr. Mohit Amoli Email: mohitamoli.ca@geu.ac.in   Mobile: 7451958189

Personalized Recipe Recommendation App Based on Available Ingredients.
Phishing Website Detection Browser Extension.
Smart Plant Watering System with Weather-Based Automation.
AI-Powered Study Planner for Students.
Face-Expression-Based Emoji Keyboard.

Contact: Mr. Gagan Deep Singh Email: gagan.uk.hwr@gmail.com   Mobile: 9927035279

Software defined networking: Implement a system to detect and recover from failures in SDN networks by rerouting traffic dynamically.
Online Learning Management System (LMS)
Create a platform where educators can upload courses, manage students, assign homework, and track progress, with features like quizzes and discussions.
Delivery Management system using GPS Vehicle Tracking App
Automobile Driver Drowsiness Detector
ATM system based on biometric (figerprints, eye detectcion.)

Contact: Dr. VIDIT KUMAR Email: viditkumaruit@gmail.com Mobile: 9760997539

Medical image analysis using deep learning
Plant Disease detection using deep learning
Facial expressions recognition using deep learning
Deep learning based Object segmentation
Deep learning based Object detection

Contact: Dr. Vartika Agarwal Email: vartikaagarwal2015@gmail.com Mobile: 7701994248

Develop an IoT-enabled smart camera system that uses deep learning (YOLO, Faster R-CNN) to detect traffic violations such as overspeeding, signal jumping, and wrong-way driving in real time.
Implement a smart parking system where IoT cameras detect and classify empty parking spaces using deep learning-based object detection models, providing real-time updates to a mobile app.
Develop an IoT-enabled smart toll system that uses deep learning-based number plate detection to automatically identify vehicles, deduct toll charges, and reduce waiting time at toll booths.
Create a surveillance system that detects stolen or unauthorized vehicles by cross-referencing detected number plates with a police database and sending real-time alerts.
Implement a reinforcement learning-based system that enables autonomous vehicles to make real-time driving decisions by predicting possible collisions using vehicular network data