Meeting Notes - 16/09/2025

- 5th Sem, B.Tech CSE (AI & ML) @ PES University
- Remote/Hybrid Fall, Winter and Summer - 2026 (On-Site)
- SDE, Summer Analyst, AI, ML, DS, CyberSec, UI/UX/FullStackDev, Blockchain, IoT
- Machine Learning, Cyber Security, Stack Devlopment
- Bishop Cotton Boys' School, Bengaluru ICSE 10th - 95.16%
  BASE PU College Rajajinagar, Bengaluru Kar State, PU XII - 94.5%
- KCET 2023 -> PES University
- Linux Dev > C/C++ Dev > Firmware Dev | 25k-40k+| 8(2 mon)-12mon
- Research :

"Radiation pollution and its impact on living creatures in and around Bangalore", Dr. Revanasiddappa M, Dept. of S & H, PES University, made a prototype, 2nd Runner Up, Prakalp (Pioneer-2024), Hackathon/ Project/Innovation/Startup Presentation Competition, KITCoE, Kolhapur, Paper yet to be published.

"Facial Paralysis Detection and Recovery Tracking Using Deep Learning and Digital Twin Models", Dr. Pooja Agarwal, Capstone

"Multimodal Generative Augmentation + Cross-Modal Learning for Bipolar Disorder", Dr. Arti Arya, Charperson Dept. of CSE (AI & ML), PES Univerity, AFML

"Education Analytics: Linking Study Habits to Academic Performance, predictive models", Dr. Suja CM, Dept. of CSE, PES Univeristy

- Projects :

Fitium - Python based Fitness Monitoring System which aims at providing a Fitness Tracker cum Analyzer using weight, height, steps etc for modern health analysis such as Heart Rate assessment, BMI Calculation etc. It is a customizable lightweight application.

MedSnap - MedSnap is a hospital management system developed using MERN stack and MongoDB. The system includes modern APIs, multiple Login Methods, Patient Profile, Scan Reports, Receipts, Prescription etc. Integrated a QR based login system for easy patient access.

LearnHub - E-Learning Platform, DBMS

CRM App - Customer Relations Management System, SE

Modern Fire Alarm System

The system utilizes a Gas/Smoke Sensor (MQ-2), Temperature Sensor (LM35CAZ) and Flame Sensor to monitor environmental conditions and identify fire-related anomalies. When a fire hazard is detected, the system triggers an alarm(buzzer and LED light indication) and sends ***instant alerts to the system with a UI website which will display all the real time values that the system measures and cautions the user in case of a Fire***. Additionally real-time Temperature value(in °C) and flame/gas indication(Boolean) will be displayed on an inbuilt LCD display. It can be run on a 9V battery(can also be powered by the system when connected).
We have also incorporated detailed analysis using multiple graphs(temperature and gas values plotted against time-utilizes latest 100 data points) based on various data points collected during fires which helps in prediction and analysis of potential fire risks which can be avoided in the future**. This model breaks the barriers and drawbacks of traditional Fire Alarm Systems through modern technological integrations. This model can also be used to alert remote users through a Wi-Fi module(ESP8266/ESP32) or a GSM module making it highly flexible.**

- **ACHIEVEMENTS**
  - Prakalp (Pioneer-24)
  - Math Day 2024 (SAMKALANAM): 1st Runner-Up in Treasure Hunt of SAMKALANAM-2024 as part of Math Day-2024 celebrations organized by Science and Humanities Department (S&H), PES University.
  - Good Coder Competition (GCC) Hackathon: Secured 14th rank in Good Coder Competition (GCC) Hackathon at PES University, organized by the Science and Humanities Department (S&H). The competition saw over 342 registrations, and the top 50 participants were recognized.

- CERTIFICATIONS
  - Problem Solving BY Hackerrank
  - Career Essentials in Cybersecurity by Microsoft and LinkedIn
  - Career Essentials in Data Analysis by Microsoft and LinkedIn
  - Career Essentials in Generative AI by Microsoft and LinkedIn

Skills

- **Programming Languages:** Python (proficient), Java (intermediate), C/C++ (moderate), R (basic)
- **Web & Frameworks:** HTML, CSS, JavaScript, MERN stack
- **Cloud:** Azure, AWS, Git, MongoDB, SQL
- **Machine Learning:** PyTorch, pandas, numpy, scikit-learn, TensorFlow

js, react, next, node, express, flutter, tensorflow, PostgreSQL, FIREBASE, DOCKER, GIT, Github, matlab, arm