KPR Institute of Engineering and Technology
Department of Computer Science and Engineering

List of Products developed

S.No	Name of the faculty	Title of the Application/Product	Domain
Academic year 2023 -2024			
1.	Dr. Yuvaraj N.	Real-time Assessment of Rebar Intervals using Computer Vision-based DVNet Model for Structural Durability	Artificial Intelligence
2.	Dr. Yuvaraj N.	Predicting the energy consumption of smart building using high-performance gradient boosting ensemble learning approaches	Artificial Intelligence
3.	Dr. SriPreethaa K.R.	Classification of material based on the porosity from CT-Scan images using deep learning approach	Artificial Intelligence
4.	Dr Vishnu Kumar K.	Iflock – Smart Poultry health and welfare	Cyber Physical System
5.	Ms Sasikala C. Mr Amirtharajan	Student Participation module in CAP	Full Stack Development
6.	Mr. Kathiresan K.	Website Development for Aarryamaan Textiles	Full Stack Development
7.	Dr. Vishnu Kumar K.	Smart Safety application – Employee safety and environment monitoring software	Cyber Physical System
8.	Dr. Jenifa G.	Thermal image classification for ensuring workers safety	Machine Learning

9.	Dr. Vishnu Kumar K.	Hand Gesture based driver-vehicle interface Framework for automotive In-Vehicle Infotainment system using Unreal engine	Artificial Intelligence
10.	Ms. Janani M.	Enhanced speech recognition system for applications in smart building – A hybrid machine learning approach	Artificial Intelligence
11.	Ms. Kiruthika J.K.	Transformer based activity recognizer for smart building surveillance monitoring	Artificial Intelligence
12.	Dr Vishnu Kumar K.	Broiler live weight estimation and prediction using Artificial Intelligence Techniques	Artificial Intelligence
13.	Mr Mohan M. Mr Amirtharajan T.	Faculty Biometric data module in CAP	Full Stack Development
14.	Mr. Karthic S.	Web Application Development for Global Blue Metals	Full Stack Development
15.	Dr Vishnu Kumar K.	Software in the loop framework using px4 for swam unmanned aerial vehicles	Cyber Physical System
16.	Mr. Kathiresan K	Mobile Application for Student Attendance and Participation Monitoring	Full Stack Development

17.	Dr. Yuvaraj N.	Predicting the energy consumption of smart building using high-performance gradient boosting ensemble learning approaches	Machine Learning
18.	Mr. Premkumar D.	Sign Language to Text Conversion in Real Time using Deep Learning	Deep Learning

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