# "DIGITAL VISITOR COUNTER AND FACE RECOGNITION"



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**Abstract :-** The student career prediction system is a application of machine learning that can provide personalized recommendations to students about their future career paths. This systemanalyzes vast amounts of data from a wide range of sources, including academic records,extracurricular activities, personal interests, and skills , to identify patterns and correlationsthat can predict which careers would be most suitable for individual students.Machine learning algorithms used in the student career prediction system have the ability to identify subtle patterns and relationships that are not easily visible to human observers. This allows the system to provide highly accurate and reliable recommendations to students,helping them to make informed decisions about their future careers. In addition to helping students make informed career choices, the student career prediction system can also benefit educators, employers, and policy makers. Educators can use the insights generated by the system to better understand the factors that influence students' career choices, while employers can use the system to identify potential candidates with the skills and interests needed for their organizations. The system can also help policy makers to design more effective career guidance programs and policies that align with the needs and aspirations of students. By providing a data-driven approach to career guidance, the student career prediction system has the potential to revolutionize the way that students approach their futures.

The benefits of the student career prediction system are numerous and far-reaching. By providing personalized recommendations, this system can help students to avoid wasting time and money pursuing careers that are not well-suited to their skills and interests. It can als help to address the skills gap that exists between the workforce and the needs of employers,by ensuring that students are equipped with the skills needed for the jobs of the future. Overall, the student career prediction system represents a major advance in the field of career guidance and has the potential to make a significant impact on the lives of millions of students around the world. By harnessing the power of machine learning to provide personalized recommendations, this system can help to unlock the full potential of each and every student, enabling them to achieve their goals and realize their dreams.

# "LEARNING MANAGEMENT SYSTEM"



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**Abstract :-**

A learning management system (LMS) with a code compiler is a software application that allows learners to write, test, and run code directly within the LMS platform. This type of LMS is particularly useful for teaching programming languages and other technical skills, as it provides learners with a safe and controlled environment to practice coding exercises and projects. An LMS with a code compiler typically offers a range of features and functionalities, including interactive coding tutorials, project-based learning, and collaborative coding environments. It supports a variety of programming languages, such as Python, JavaScript, Java, and Ruby, among others.

Overall, an LMS with a code compiler provides a hands-on, interactive learning experience that engages learners and helps them to develop practical skills that are in high demand in today's job market. It allows learners to access the programming environment directly within the LMS platform, without having to switch between different tools or software. This type of LMS is an innovative and effective tool for teaching programming and technical skills.

# "LEARNING MANAGEMENT SYSTEM"



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**Abstract :-**

Machine Learning plays a virtual role from past years in normal speech command, product recommendation as well as in medical field also. Instead of this it provides better customer services and safer automobile system. This all of things shows that ML is trending technology in almost all fields so we are trying to coined up ML in our project. Nowadays the real estate market is a standout amongst the most focused regarding pricing and keep fluctuating. People are looking to buy a new home with their budgets and by analysis market strategies. But main disadvantage of current system is to calculate a price of house without necessary prediction about future market trends and result is price increase. So, the main aim of our project is to predict price of house without any loss. There are many factors that have to be taken into consideration for predicting house price and try to predict efficient house pricing for customers with respect to their budget as well as also according to their priorities. So, we are creating a housing cost prediction model By using Machine learning algorithms like Linear Regression, Decision Tree Regression, K-Means Regression and Random Forest Regression

**" KrushiLabh "**



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**Abstract :-**

Agriculture is backbone of Indian economy and it is primary sector of country. In our country farming seems to be an important occupation, but nobody helps farmers as they want. To improve the production of the agricultural products we need to guide farmers about farming methods, fertilizer types, seeds as well as farming methods. All these things are available on internet, but it is very difficult for farmer to search all these things from various resources. Therefore to help farmers, we a combined website in which most helpful modules are included. In this project we design a complete website in which experts will help farmers in various ways.

Farmers require expert knowledge to take decision during the hole procedure from sowing to harvesting. Farmer Support system helps to farmer in making decision related to crop management from the experts and also provides various facilities which are beneficial for farming.

**"Face Detection and Emotion Recognition using Deep learning. "**

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**Abstract :-**

The project integrates the design and implementation of a train real-time facial expressions or emotions recognition model through a web interface. The model representing a Convolutional Neural Network(CNN) which is going to be built and train using the FER2013 (facial expression recognition) challenge dataset and Keras and TensorFlow libraries. The preliminary step of Face detection is done by using OpenCVand Haar Cascade library. These model will be train to classify the real-time captured frame with the detection of face into one of the seven universal facial expressions and will be display it on the web interface. Recognizing facial expressions will help the systems to detect if people were happy or sad as a human being can. This will also allow software's and AI systems to provide even better experience to humans in various applications. From detecting probable suicides and stopping them to playing mood-based music there will be wide variety of applications where emotion detection or mood detection will play an vital role in AI applications.

The system works on CNN (convolutional neural network) for extracting th physiological signals and making a predictions. These results will be drawn out by scanning the person's image through a camera and then correlate it with a training dataset by predicting one's state of emotions.

**"Leap-Motion Control Module"**



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**Abstract :-**

In recent years, there has been growing interest in developing more natural and intuitive ways for users to interact with their computers. One promising approach is to use hand gestures and voice commands to control the computer functions without the need for a physical mouse and keyboard. This proposed work presents a System that is controlled using Hand Gestures and Typing with Voice Recognition system that allows users to control their computer using a combination of hand gestures and voice commands. The module uses computer vision algorithms to detect and track hand movements, and natural language processing algorithms to recognize voice commands. Users can perform a wide range of actions, including cursor movement, clicking, scrolling, and typing, all without the need for a physical mouse and keyboard. The system is designed to be accessible to users of all ages and abilities, including individuals who are blind or deaf-mute disabilities or mobility impairments. Real-time feedback is provided to the user to confirm that their hand gesture or voice command was detected and the corresponding action was performed. The system has low latency, ensuring that the cursor movement and other actions are smooth and responsive. Overall, this System is controlled using Hand Gestures and Typing with Voice Recognition system provides a natural and intuitive way for users to interact with their computer, and has the potential to revolutionize the way we think about computer input devices.

# "TRAINING AND PLACEMENT MANAGEMENT SYSTEM"



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| Mr. Kaustubh Prabhakar Ramteke | Prof. Swapnil S. Nehar |
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**Abstract :-**

For a student the most crucial part of his college life would be placements. Training & Placement Cell of colleges do their best in order to provide their students best possible opportunities for their carrier. Placement cell of the college is responsible for providing placement to students of different courses into various companies within the industry. In many circumstances, students are not aware of the company's recruitment and hence they miss the opportunity to sit in the placement drive and end up without campus recruitment. In order to solve this problem, a website will be created for placement opportunities which will provide all the details regarding the recruitment drive at a single platform. It will also notify the students regarding any new recruitment drive. It will also provide eligibility criteria, company profile, job profile, CTC & job location to the candidates. In our proposed you will save time as well as money as its web based. Data of all college students will be collected and according to criteria given by company they will be selected.