

## **Final Year Project Ideas**

<b>Sr. no.</b>	<b>Project Title</b>	<b>Description</b>
1	Sign Language Translator for Speech-impaired	Develop a framework that translate sign language to text/speech, providing a helping-hand for speech-impaired to communicate with the rest of the world using sign language. This will eliminate of the middle person who generally acts as a medium of translation.
2	??Everyone can work	A framework for medium connecting people who are looking for work and those who are looking to hire workers. There are many illiterates who have good skill in carpentry, farming, driving etc. but unable to find work. Anyone who is searching for work, specify their skills and contact details on the platform. Thus who want to hire can contact workers through details provided.
3	Mining E-Business to Enhance Market Strategies of Company	System aims at applying various data mining techniques on the business data extracted from the web and analyses it which will in turn help in improving the company's marketing strategies
4	Crop monitoring and smart farming	Pakistan is an agricultural land. Farming is done using the mundane ways. Most of our farmers lack proper knowledge makes it even more erratic. A large portion of farming and agricultural activities are based on the predictions, which at times fail. Farmers have to bear huge losses. Since the benefits of proper soil moisture and its quality, air quality and irrigation, in the growth of crops, such parameters cannot be ignored. Therefore, have come up with a new idea of crop monitoring and smart farming that digitalize farming and agricultural activities so that the farmers can check on the requirements of the crops and accurately predict their growth.
5	A Prototype for Blood Typing Based on Image Processing	The process of determination of blood types is essential before administering a blood transfusion, but in some cases, due to the risk of the individual's life, it is necessary to quickly administer blood. In these emergency situations, there is no time to determine the blood type and

		so the procedure is to administer the blood type O negative (universal donor). Nevertheless, due to some incompatibilities transfusion reactions may occur that could lead to the death of the patient.
6	Wi-Fi Library Book Locator Project:	Connect to the Library Wi-Fi enter name of the book you are looking for and locate its position on your phone. Students, professors, and lab assistants are going to have a great time using this amazing android app. This is one of those few android project ideas that can be developed during college days and be implemented. People are going to have a great time using this application because finding one book among millions is definitely a mammoth of the task
7	Android Local Train Ticketing Project:	Android local train ticketing project will help people book metro tickets and tickets of other local trains with great ease. The efficient manage of application will reduce the queues at the station and parking lots. People will be able to book their tickets on the go and save a lot of time. This surely is one of the most needed android project ideas to be turned into a reality.
8	Children Tracking System Using Android Mobile as Terminals	With this application, parents can easily track the whereabouts of their children using Android mobiles
9	Medical Expert System for patient monitoring	This project is designed to implement an expert system. Expert system will mimic the behavior of a doctor and will help the patient in prescription by analyzing the symptoms of the disease the patient have. Patient will input the symptoms and feelings and on the basis of these symptoms and feelings system will prescribe the medicines. Scope of the project will be discussed with the students depending upon their expertise as it can have very wide scope. We will focus on some particular diseases not all the diseases.
10	Jobs scheduling and resources management system	This project aims at scheduling the jobs of people in a professional organization along with resources management. Better Jobs scheduling and efficient resources management plays a key role in the progress of companies
11	Team Builder App	This app will have the profiles of professionals, and workers working at different levels in a certain project, with their costs mentioned for

		doing a certain work. For example if user wants to construct a house he will enter his budget and this app will build a team according to the budget entered by user.
12	Learning to play games using deep learning and reinforcement learning	The project's main objective is to use reinforcement learning and deep learning in order to play computer games, specifically Pacman. The project will be broadly divided into two stages, firstly, exploration of various reinforcement algorithms and neural network architectures by using Pacman as a benchmark. The second stage would then involve improving the algorithm.
13	Automatic Vehicle Counting and Classification	Using various image processing techniques like Segmentation, Blob Detection, Frame Differentiation, etc. automatic vehicle counting and classification system is described here that can be used for advanced traffic monitoring and management.
14	Brain Tumor Extraction from MRI Images	This project is proposed to aid with medical image processing by strategically detecting and extracting brain tumor of from MRI scan images of brain using MATLAB software.
15	Automatic Speech Recognition	The primary objective of this project is to implement automatic speech recognition system (ASR) by using back-propagation neural networks. This system uses MATLAB based feature recognition system to achieve ASR.
16	Color and Texture Based Image Retrieval System	This proposed system demonstrates a faster image retrieval technique from the image database with the features like image color and texture. This image search method results are simulated using MATLAB software.
17	Filtering political sentiment in social media from textual information	
18	Stock Market Analysis and Prediction	
19	Classification of Soil Contamination.	
20	Determining Mood From Facial Expressions	
21	Automatic Text Summarization	