# Focus areas and interesting projects

|  |  |
| --- | --- |
| **Broad area** | **Short description** |
| Chatbot | Voice based chatbot for disabled persons (use frameworks such as Alexa, IBM Watson) |
| Commercial | Supply chain management system for hospital parts |
| Steganography | Hiding encrypted medical record in images/videos |
| Fitness | Application that distinguishes various activities such as biking vs. running vs. walking using accelerometer and keeps their record in the backend |
| Reservation system | Restaurant reservation system |
| Plagiarism detection | Detecting the Source Code Plagiarism Based on Program |
| Speech synthesis | video to text converter for medical transcriptions |
| Quiz master | Create multiple choice answer quizzes and conduct quizzes |
| Blockchain | Secure blockchain application for keeping track of patient visits to doctor |
| Lunch picker | Based on Google reviews and context info such as lunch menu, price create an application for selecting lunch |
| Timetable generation | Web-based application for automatic timetable generation |
| Training and placement | Allows companies to post requirements and allows students to register and send CVs |
| Geofencing advertisement system | Detect person’s location using geofencing and stream specific advertisements |
| Hospital availability system | Show real time statistics of hospital beds available |

Some links:

http://nevonprojects.com/year-projects-for-computer-engineering/

https://electronicsforu.com/electronics-projects/software-projects-ideas/computer-engineering-projects-ideas

https://technofizi.net/best-computer-science-and-engineering-cse-project-topics-ideas-for-students/