

# Android Diet Consultant

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## ABSTRACT-

The online artificial dietician is an application with artificial intelligence about human diets. It acts as a diet consultant similar to a real dietician. This system acts in a similar way as that of a dietician. A person in order to know its diet plan needs to give some information to the dietician such as its body type, weight, height and its working hour details. Similar way this system also provides the diet plan according to the information entered by the user. The system asks all this data from the user and processes it to provide the diet plan to the user. Thus the user does not need to visit any dietician which also saves time and the user can get the required diet plan in just a click. The project also has a login page where in the user is required to register and only then can view the availability of blood and may also donate blood if he/she wishes to. This project requires internet access and thus there is a disadvantage of server failure. The system will give more accurate results as it accepts the data entered by the user and processes it depending on some metrics already known to the application on the basis of which a diet plan is generated and ask the user if the user accepts the diet plan. If not accepted the system may also give and alternative diet plan.

## I. INTRODUCTION

Just similar to a human dietitian, this AI Diet Consultant is based on android operating system which will act like your device dietitian. When you go to a doctor of nutrition, than she will ask you your personal details related to body and health such as your age, your height, your weight etc. Just similar to this doctor, this artificial intelligent diet consultant also asks you similar questions in your device and you have to answer all those questions and then this AI Diet Consultant will also advice you about what should your intake in your diet and what should you ignore in order to keep yourself healthy via your diet. Generally, you have to hire a dietitian in order to get advice. Hiring a nutrition doctor will not only waste your

time and efforts for calling them, going to them and so on but also cost you very high as their charges per month are very high. A situation might also arise when they will not available for you and you have to search for some other dietitian urgently. The main advantage of using this standalone AI Diet Consultant application is that the time required by the people to travel to the dietitian will be reduced and also it reduces the cost of hiring dietitians for some particular purpose.

## II. LITERATUREREVIEW

In the Literature Survey part, we noticed the principal objective of our undertaking which was to be made and begun looking for distributed papers on it which will help us in building the application. We went across numerous IEEE and Bayes Papers and found many papers which was some or the alternate way associated with our task in view of wellbeing. We found many fascinating papers as well as straightforward ones, we accumulated the information from them. In the current medical services framework, the essential necessity and hindrance is actual presence of individual and dietician for each interview. In the current eating regimen advisor framework, you need to employ a dietitian to get guidance. Additionally, there is a high opportunity of confusion of information as well as event of mistakes. In addition, it is tedious. With the expansion in volume of patients in the medical care establishments, customary strategy for the board has left stage. Subsequently, a high level Diet Consultant Management System has been the interest of time. A few Systems were constructed straightforwardly for sole motivation behind calories admission and some were Activity reason applications, a few ventures site based and some were versatile application based. Our task was to be based on android so that individuals can get a decent UI and furthermore the application ought to be easy to understand. A portion of the applications were paid-to-utilize and some were free, we needed to assemble our task to be free to all. We began

gathering data on the current framework and how it functions and furthermore a genuine dietitian works and computes an eating regimen in view of an individual's subtleties like level, age, weight, orientation and so forth. Indeed, even the web helped us a ton for discovering a few fundamental recipes for computing the eating regimen and absolute calories. An individual's eating routine thoroughly relies on his BMI and BMR values. The complete calories to be consumed ought to be

adjusted extent of full scale supplements like Proteins, Carbohydrates and Fats. Additionally, there is a high opportunity of confusion of information as well as event of blunders. Additionally, it is bulky and tedious. With the expansion in volume of patients in the medical care organizations, particularly now after COVID pandemic conventional technique for the board has left stage. Therefore, a high level Health Care Management System has been the interest of time.

### III. COMPARATIVE ANALYSIS

Table.1 Survey Table

Sr.No	PaperName	Author	MethodProposed	Limitations
1.	Android Diet Consultant	Satish Kumar Prasad, Ritesh Patil, Sagar Beldare, Anita Shinde	Reportingstreetorany civic problems has no longer been an easy process for the citizens. They have to undergo a long procedure and formalities to report	Low range
2.	Bus pass System project	Mareeswari V and Gopalakrishnan V	Complaint GO Android Application and Web Portal is used to register a complaint efficiently through the internet to Higher Government bodies directly	<ul style="list-style-type: none"> <li>This application doesn't permit users to recover their position identification.</li> <li>It is not getting to permit users to ignore or take away their crime report.</li> <li>It would conjointly not permit to vary their profile.</li> <li>It is not totally secured as anyone will visit anyone's profile</li> </ul>
3.	Online election System	Mohd Sohail Deshmukh, Swapnil R. Rajput	Complaint GO Android Application and Web Portal is used to register a complaint efficiently through the internet to Higher Government bodies directly	<ul style="list-style-type: none"> <li>Paperwork needed.</li> <li>Loss of record</li> <li>Information about criminals and common people are not properly maintained.</li> </ul>

### IV. CONCLUSION

The System is a valuable apparatus for instructing clients on healthful related themes with the assistance of enormous and dependable information base made with help of master dieticians. Many individuals counsel a dietician when needing a legitimate eating regimen to go with their activities. Since, our proposition will assist individuals with the eating routine; they

won't have to visit dieticians. The clients will get diet conveyed to their screens for them which will save time as well as cash as the administrations given by our undertaking will be liberated from cost, in contrast to different choices available right now. Our application is utilizing man-made reasoning calculation called RETE calculation so every single client will get a customized diet as indicated by their need and inclinations.

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