**Techniques for requirement gathering**

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| **Method 1** | **Literature Review** |
| The focus is on comparing similar systems in the medical domain using literature review technique. Using valid library resources such as IEEE, ACM, and other online resources, the primary goal is to understand the functionality of domain-like systems and the features and strengths and weaknesses they provide. This will give us an idea of what should and should not be in a prototype. | |
| **Method 2** | **Questionnaire for Diabetes Patients** |
| Extensive data are collected to understand the impact of diabetes risk factors using a questionnaire for diabetics. | |
| **Method 3** | **Interview with The Domain Experts** |
| Information can be gathered by talking to medical domain specialists. These interviews are conducted face-to-face or over the phone / via Skype due to the busy schedule of the specialist, depending on the amount of time the specialist prefers to spend. Talking to specialists will give you better guidance on the project and technical expertise. | |
| **Method 4** | **Brainstorming** |
| You can hold brainstorming sessions with friends, colleagues and specialists to gather ideas to improve the system and add extra functionality. Although it is a time-consuming method, it can be extremely effective as it can bring a lot of ideas when people work together in coexistence. | |
| **Method 5** | **Prototyping** |
| Prototyping will be effective in providing the best user experience for the user. When system mock-ups can be done in the early stages before development. Get feedback from stakeholders to further improve the system to be most effective in the long run. After detailed prototyping when building the system, there is a low margin for errors and confusions during the activation phase. | |