TEAM OVERNITE

**MEMBERS:**

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Working on: HEALTHTECH Category

**Create Solutions to deal with these two major challenges faced by the patients:**

**1. Enabling a patient-centered information exchange system.**

**2. Personal medical assistant.**

Healthtech

1. **Enabling a patient-centred information exchange system**

* There would be a database where the details of the concerned patients will be stored
* It will be an entry only database (for new patients) and updatable (only by the doctor and associates) for patients with previous records

NOTE: newer records may be made either by viewing previous records of a patient and after a treatment

* The database will be used to check the previous report of the patient and on that basis the future treatment will be executed
* It will be a single id allotted to each patient

NOTE: If an already recorded patient by any means forgets his/her id then Ph. no DOB or Date of treatment along with other reports would be checked………if it doesn’t work out then new id will be allotted to him/her

* The database would only be accessible by the doctor associates. The patient only can fill the required details as per the interface provides (i.e. bio or the previous id or the reports of any external treatment as per requirement and conditions

1. **Personal medical assistant**

* The assistant will be an AI based program who can access the database regarding the patient-centred information
* Another set of instructions is to be provided to the Assistance which can accept the regarding symptoms of the concerned patients and evaluate them along with the previous records to find the disease and its possible cures (self-suggested medicines, required test reports) and refer it to the doctor
* But the main function of the Assistant would be to fix a proper appointment with the doctor himself along with its own evaluated data or reports to the doctor
* A separate database will be allotted to the AI to handle such common symptoms and suggest some cures after comparing with previous prescriptions
* The assistant should not give any output to the patient until and unless the doctor verifies it
* The Assistant would then update the patient-centred information database regarding the concerned patients

Flowchart

PATIENT

AI BASED ASSISTANCE

**Updating data**

**Transferring data**

MEDICAL-COUNSELLOR

PATIENT-CENTERED INFORMATION EXCHANGE SYSTEM