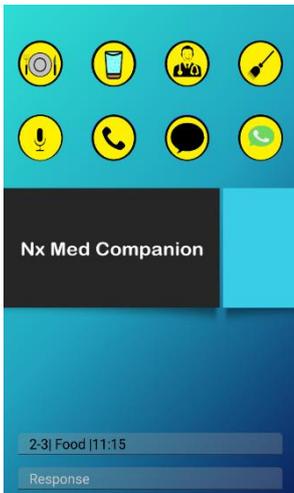## Nx Med Companion Android App with optional Med Robot

TYPE: NxMedComp+MedRobot

FEATURES:

- ❑ Designed to aid medical workers in attending to the needs of COVID-19 In-patients who are mildly sick through App based messaging, task management and delivery of food / medicine and other needs
- ❑ Nx Med Companion is a Android based App where-in the communication between patient, head nurse and support staff
- ❑ Through this Android based App. Optimization of Patient & Medical service providers personal interaction is achieved
- ❑ Messages to the Head Nurse are sent by the patient either through key instructions or voice instructions through the app
- ❑ Acts as a digital interface between medical staff and the patient leading to better patient experience
- ❑ Improves Efficiency, Quality and Transparency of services rendered to the patient and more transparent

Technical Data

Nucleonix Systems' a high technology Instrumentation company, with its vast design experience in the field of Nuclear Instrumentation, has taken up the mission to develop and introduce equipment and solutions for combating COVID-19. As part of this mission, Nx Med Companion Android App has been developed to support the front line Health Workers in minimizing non-critical interation with Covid19 positive patients. This App along with Med Robot performs the task of performing avoidable proximity with the patients for routine requirements like delivery of food, medicine and other general needs.

Nx Med Companion in stand-alone mode facilitates medical professionals to avoid direct personal interaction with patients for receiving requests or delivering messages. Delivery of services like food, medicine and other general needs however will have to be carried out manually.

Med Robot is a Radio Controlled Trolley with 3-4 Trays for placement of food/medicine and miscellaneous for transfers across Patient and Nurse station / Pantry

Med Robot is designed to handle a payload of about 10kg and has a battery backup upto 4hrs of continuous use. This can work in a stand alone mode and can be procured separately or along with Nx Med Companion App.

SPECIFICATIONS

Nx Med Companion account
- When Hospital subscribes, their account is created
- Nx Med Companion _A, _P, _N is released with Hospital name on it
- Training session is conducted for all the Staff
- Head Nurse account is created
- Head Nurse creates Nurses accounts and registers patients details
- Patient is sent MedCompanion_P App by WhatsApp along with instructions to install

Nurse Station PC/Phone interface
- Patient Administration
- Nurse Administration
- Receives alerts of Patient requests in 5 categories – Food, Water, Medical assistance, Maintenance and Other requests.
- Initially, all Patient requests appear in UnAllotted list
- Each Request can be allotted to a Nurse. The request will then be removed from UnAllotted list and appear in Nurse's list.
- Head Nurse can view any Nurse's list of Tasks
- Head Nurse can Voice type a message to any patient who has a request
- Head Nurse can view Completed tasks
- Head Nurse can view Patient feedback
- Head Nurse can Voice type messages to other Nurses

Nurse App
- Nurse App interface is same as Head Nurse App interface except that Nurse cannot allot tasks to other Nurses and cannot do Patient/Nurse administration.
- Receives alerts of Patient tasks in 5 categories – Food, Water, Medical assistance, Maintenance and Other requests.
- Nurse can view other Nurse's list of Tasks
- Nurse can Voice type a message to any patient who has a request
- Nurse will set a Request as completed once it is done. This Request will be removed from her list and will be saved in Completed Requests list, along with Time of completion.
- Nurse App can pair with Bluetooth speaker of Nx Med Robot. This will allow Nurse App to announce voice messages to Patient when the Nx Med Robot goes near the patient for service.

Patient App
- At the click of a button and no typing, patient can make Requests for Food, Water, Medical assistance, Maintenance.
- Patient can make also make Requests by Voice typing.
- English and Hindi are supported.
- Other languages can be used but the message needs to be said slowly and loudly.
- Patient can give feedback about Nurse's services.
- Patient can send Text messages or Voice calls in case Internet is down.
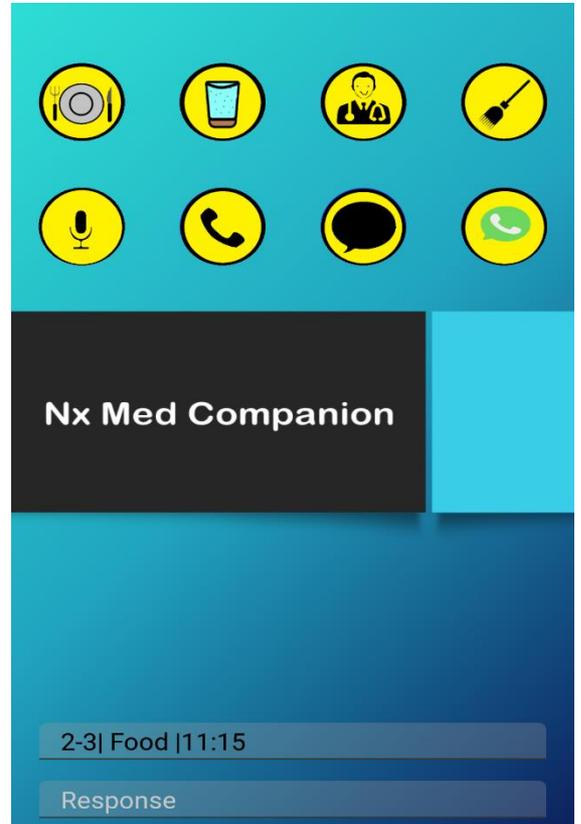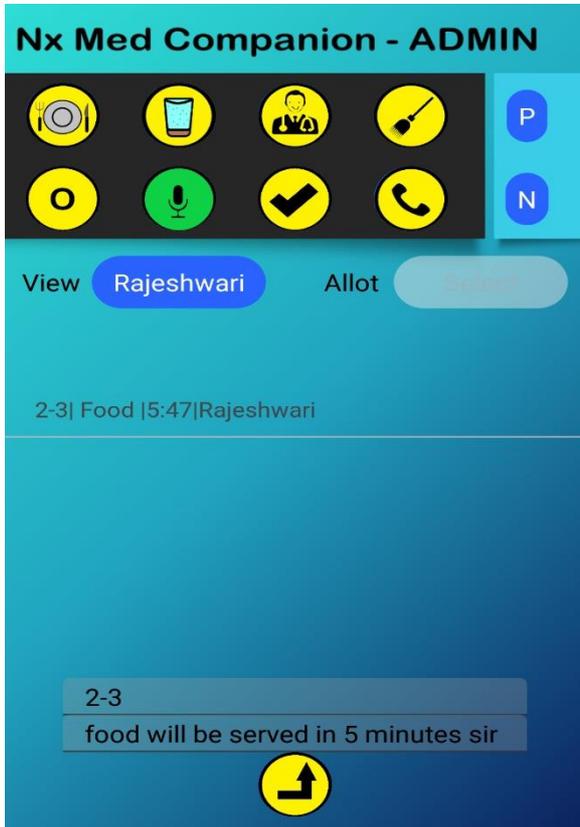
TYPICAL SCREEN SHOTS OF APP:

PHOTO OF MED ROBOT :

FILE: NSPL/DOC/DS/Nx_Med_Companion+Med Robot (VER_20200525)