



New Age Vanguard of Novel Ideas in Medical Environs for Secure Health

PROBLEM STATEMENTS OCP 2.0

Sr. No.	Focus Area	Description	What is Expected
1.	Emergency patient care	Automated Cardiopulmonary resuscitation device	Affordable device allowing monitoring of ECG and space for defibrillation meeting CPR guidelines
2.	Chronic patient care	Prevention of bed sores in critically ill bed ridden patient	A device that can map the pressure points in the bod of patients in bed and give a map of pressure points represented as values for that patient
3.	Health informatics	Mobile device that can store medical image data from different sources and can share with others.	Various medical image storing, viewing, sharing with capability of superimposing images from 2 different source and technique of imaging
4.	Diagnosis	App based algorithm to diagnose arrhythmia from wave form from a picture	Wave form picture of pulse oximeter and other source for diagnosis of arrhythmia and urgency to consult a doctor
5.	Diagnosis	AI based medical screeing for tachy and brady arrhythmia	App based interpretation of ECG that can be shared by digital means. The app will interpret need as urgent, emergent or routine consultation from specialist
6.	Health Informatics	App based OPD follow-up visit for patients discharged from hospital	It will reduce patient's physical OPD visit after discharge from hospital.

Remarks:

The above focus areas are not restricted. Any other proposal close to these above areas will also be considered for evaluation.