**Project Proposal**

**Monitoring of Human Health Condition With Mobile Devices Radiations Using IOT**

**Introduction**

With rise in usage of electronics devices and wireless technology, it is becoming essential to detect its effects on the human health and finding the viable alternative to it.

This proposal presents the problem statement followed by the objective and methods.

**Problem Statement**

This project addresses the problem of electromagnetic radiations emitted by the electronic gadgets on human health.

**Objective**

To increase the health index of the people at global scale by giving them appropriate safety and protection measures against radiofrequency electromagnetic fields.

**Method**

The sensor will detect the radiations emitted by electronic devices used by the users. When the radiations exceed the SAR (specific absorption rate) level which is 1.6 watts per kilogram for United States, it will notify the user by popping up a screen on the electronic device. The pop up screen will include the message of Radiation level exceeded and present the list of protective measures such as turn off the mobile data, keep minimum distance of 5 millimeters between human body and device, use colouring effect to reduce the frequency of electromagnetic radiations, which the user has to select. The individual sensor will then send the radiation level of the attached device to reporting organization. The reporting organization will gather the radiation levels of various devices and prepare the reports determining the hotspots and the different levels of radiations emitted by the gadgets and rate of absorption in human body. These data would be gathered and send to health organization which will study the effects of radiations on various organs, the common diseases and health issues different communities are facing and the relationship between the radiation absorbed, organ affected and the common health concerns community is facing. The reporting organization will also send reports to the manufacturing company of the device, which includes the frequency of the particular device exceeding the SAR level.

**Key Tools**:

Sensor

Electronic Devices

**Key Entities:**

Users around the globe

User Directory

Reporting Organization

Health Organization

Manufacturing Organization

**Conclusion:**

To increase the health quotient around the globe using IOT.