**TITLE OF THE PROJECT :** SPECIFIC ABSORPTION RATE CAUTIONER

USING ANDROID

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The EM radiation is measured based on Specific Absorption Rate (SAR). The human head is generally exposed to mobile phones operating at communication (GSM, CDMA) frequency bands. The radiation absorption analyzed through simulations by applying frequency domain. The specific absorption rate (SAR) was measured for different positions of mobile phone. SARs exhibited in much lower values as the mobile phone held in far position from human brain.

In order to make it easier and compact we came up with a software application that can monitor the Specific Absorption Rate through call history and time duration of each call connecting with sensors and accelerometers. We have set defined SAR to calculate the Emission rate and caution the same to the user. In future as the usage of mobile phones is going to increase. Education platforms are going to switchover to digital forms. This application will help the younger generation to be aware of radiation passing through their body.