

## **e-Public Health Inspector (ePHI) Application to Ensure the Quality of Consumed Food**

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“Healthy Food in Healthy Environment” is the main concept of the e-Public Health Inspector (ePHI) application. This is to protect the public from food-borne illnesses and promote safe food handling techniques among restaurants and food vendors. Both Public Health Authorities and the community are playing a vital role in the ePHI. The system contains a mobile application which is capable of accessing and updating the system by Public Health Inspector (PHI) as well as the community that utilizes the resources. The system users can send data (images, description) to the system on the spot. The data comprises of geo-tagging by Global Positioning System (GPS) and the time to reduce the forged details. Further, the information on the application is kept up-to-date and PHI will be able to see the locations that they must visit. They can take relevant action that is required to solve the reported health violations. After inspection, PHI should update the system by uploading images of the relevant investigation. This system is developed using Hypertext Mark-up Language (HTML), Hypertext Pre-processor (PHP), MySQL, Cascading Style Sheet (CSS), JavaScript, AJAX, JQuery and Android Studio. This process not only increases the efficiency of the PHI but also it reduces the ability of the PHI to misguide the authorities. Finally, it reduces the health issues of the community due to consuming food to produce a healthier society in the journey of sustainable development.

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