



Senior Design Project

Ahaar: An Intelligent Cloud Kitchen Model to Promote “Your Health Matters”

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DECLARATION

This is to certify that this Project is our original work. No part of this work has been submitted elsewhere partially or fully for the award of any other degree. Any material reproduced in this project has been properly acknowledged.

Students' name & Signature

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APPROVAL

The capstone project entitled “**Ahaar: An Intelligent Cloud Kitchen Model to Promote “Your Health Matters”**” by **Md. Shamim Rahman (ID #1430644042)**, **Ekram Ul Karim (ID #1430643042)**, **Barsha Das Tuli (ID #1521164042)** and **Talbia Kabir (ID #1521165042)** is approved in partial fulfillment of the requirement of the Degree of Bachelor of Science in Computer Science and Engineering on December and has been accepted as satisfactory.

Supervisor’s Signature

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ACKNOWLEDGMENT

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ABSTRACT

Over the past few years, the obesity problem is increasing in parallel with the portion size of food. Also, because of the urban lifestyle online food ordering is increasing. Together, these are contributing to numerous health implications including obesity. To improve the dietary practice among the urban people, this project proposes a nutrition-metric based cloud kitchen model, namely the Ahaar. Ahaar, with all its features, promotes the motto “your health matters” in addition to the food ordering and delivery services generally provided by other online food ordering platforms. The proposed model is a cloud-based dynamic single page application. Here, both app and website implement micro nutrient based food ratings to increase awareness for a healthy diet. Moreover, Ahaar recommends suggestions based on calorie intake, nutritional information, diseases based and food quality. Precisely, it tracks the user's daily calorie consumption and monthly budget plan for rations using calorie and budget tracker.