**Project Pre proposal**

* **Project Title**: Cost estimator from symptoms of a user.
* **Team**: 8
* **Members**:

**Name Class ID**

1) Harish Tata 50

2) Neeraj Krishna Mastan Padarthi 37

3) Pallavi Desai 2

4) Saran Akkiraju 62

**Project Goal and Objectives**

* **Motivation**

Needless to say health care in US is expensive. It will be convenient for patient to know how much they would be charged before visiting doctor. So in this way patient will be prepared for expense well in advance. It will be favorable for user if there is system that predicts approximate cost based on symptoms. So we have decided to come up with the system that provides this service if user just give symptoms in layman terms as input.

* **Significance/Uniqueness**

There are existing systems which will provide approximate cost for consulting doctor if we give exactly what we will be getting at hospital. For instance if we want to get a vaccination, system will provide approximate rate of vaccination plus consultation fee. But how will a patient know what needs to be done at hospital before consulting a doctor. There is no other way to learn except to assume vaguely by looking it at internet which is not reliable at all.

Application which we are developing addresses this problem. It will give us the cost estimation with just symptoms.

* **Objective**

Primary objective of this project is to provide cross platform application which will provide estimation of cost that may be charged for consultation of doctor by taking symptoms of user as input. Visit to doctor may include common reasons like cold or fever to big issues like fracture. User just have to provide some symptoms in layman terms. Our system will learn from symptoms provided by the user and determine what might be done in hospital by querying database of previous records and will provide approximate cost to user.

* **System Features**
* **Features when online**

1. User shall be able to login to system using username and password.
2. User shall be able to input his/her symptoms into search box provided.
3. User shall use the system with good and interactive GUI.
4. System shall have learning module which will query database and determine what treatment may be necessary for provided symptoms.
5. User shall able to get approximate cost with proper explanation with good user interface.
6. User shall able to view his/her profile.
7. User shall able to view his/her treatment history.

* **Features when offline**

1. User shall able to view his/her profile.
2. User shall able to view his/her treatment history.
3. User shall able to be logged in.

**Related Work**

* **Projects done by others**

Webpage of united health care provides search tool that helps user look up for the care they need and provides average health care estimates.

* **Bibliography**

<https://www.uhc.com/individual-and-family/member-resources/health-care-tools/cost-estimator>