

Communication Platform for Breast Cancer Patient and Doctor

Anik Saha, Ridowan Ahmed and Nova Ahmed*
ECE Department, North South University, Dhaka, Bangladesh

*Advisor

KEYWORDS: Breast cancer, Cancer, Cancer website, Cancer related website, Breast cancer website, Breast cancer help, Breast cancer doctor.

INTRODUCTION:

Breast cancer is the second most common cancer in Bangladesh. Every year, 14,836 women contract breast cancer and 7,142 of them die, said Dr Habibullah Talukdar Raskin, coordinator of Bangladesh Breast Cancer Awareness Forum, quoting the GLOBOCAN 2012 report. Breast cancer remains a leading dreadful cancer of women in Bangladesh. In Bangladesh, maternal mortality survey (2010) cited that breast cancer was responsible for 21% of death of women between 15-49 years of age. Breast cancer also occurs in males at any age but very rarely. If patient can identify the symptoms timely then it can be curable. But in Bangladesh women has no proper knowledge about breast cancer. They aren't aware about breast cancer. There are no online platform for breast cancer in Bangladesh where patient can meet and communicate with themselves about their health condition and treatment progress. We are first in Bangladesh who started working on patient communication. Patient can contact with both doctor and other patient in our website and they can also meet physically with other patient if they want.

MOTIVATION:

Breast cancer is the most common cancer in women. After Lung cancer it is the second main cause of cancer death in women. Women in Bangladesh has very few idea about breast cancer. They are not aware about the symptoms of breast cancer. Maximum of them don't know how to check breast cancer in home. Some patient cannot share their feelings with others due to lack of listener. Many of them thinks they are burden for their family. Some of them don't know what to do. They feel alone. We want to connect them all. Where they can share their stories, feelings, Frustrations, surviving periods. Where they can get some motivations, they can talk with their own problems, they can find a solution how to survive. Where they can make a community about breast cancer awareness. This motivated us to make a website for breast cancer related people, where they can communicate, share their stories, can make friends, can spend a quality time with other patient and raise their voice against breast cancer in Bangladesh.

WEBSITE MAPPING:

This website is on PHP platform. We use HTML 5, CSS 3, PHP, JAVASCRIPT to develop our website. We also use framework like Laravel, AJAX, BOOTSTAP, JQuery for our website to speed up development, enhance collaboration and keep code organized. User can sign up with their email and phone number. They can also contact with doctor's. They can also meet physically with other patient if other's want to meet. For physical meet they need to select time, date and member's whom they want to meet. If the meeting set all of them get a mail about the meeting time and place. Doctors can write blog in the website. They also can write their experience about breast cancer. Breast cancer topic is very sensitive so we want to make the website customized and secured. Patient can control their activity. They can customized their post whom they want to see and whom they not.

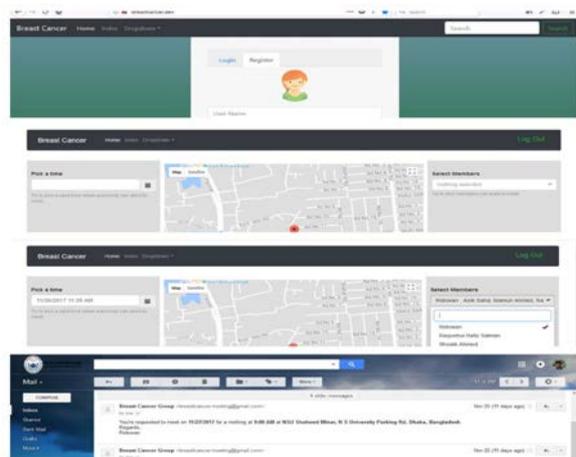


Figure 1: Some screenshot from website

APP STANDARDISATION:

Before developing our website, we talk with a cancer specialist. Our advisor also contact with some hospitals. We will also go there to talk with patient and test our website design with them. We also make a survey when we finished with our work.

CONCLUSION:

The website is designed for breast cancer patient in Bangladesh. They don't have adequate knowledge about breast cancer. They need to know for themselves about breast cancer. If the can identify the symptoms early then it can be curable. If they can make a community with our website and communicate with other patients then they can learn many things about breast cancer and its symptoms.