| ***Ahsanullah University of Science & Technology***  Department of Computer Science & Engineering  **FALL 2021**  **logo.jpg** |
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| Open OPD |
| CSE 3104: Project Report |
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| Submitted By: |
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# Motivation of the project

Here you will write some reasons for doing this project.

* To reduce paperwork, time and bringing monitoring
* To introduce this technology in rural areas of Bangladesh
* Making the OPD more transparent and convenient

# Project Goal

1. Providing patients with a hassle-free experience from booking appointments, visiting Doctors, diagnosis, medication and coming to follow-up checkups.
2. Connecting patients and doctors in an appropriate way.
3. Generating monthly/annual reports for the organization to have an insight

# Project Cost Calculation

Time required to complete: 11 weeks

Considering 4 people working on this one 2 days each week.

Salary of software developer team = 60,000 BDT/monthly

Payment for the team for each working day = 2000 BDT

So, payment for the whole team for developing the software in 11 weeks = 11 \* 2 \* 2000 = 44,000 BDT

Utilities such as internet costs us around 1000 BDT per month

Our software developing team will be working for around 3 months

So total utility cost = 3\*1000 = 3000 BDT

Our total cost will be around (44000 + 3000) or 47,000 BDT

For selling the software, we’d consider a starting price from 8000 BDT(one-time purchase)

In order to make a profit, we have to sell a minimum number of (47000/8000) ≈ 5.8 or 6 software.

# Potential Customers/Product Market

1. Clinics and Hospitals.

2. NGOs who are trying to build a medical camp anywhere in the country.

# Requirement Analysis

You need to write the scenario from the potential customer what they basically need for this software.

Suppose United Hospital is one of our clients.

United hospital has 3 types of operators operating in the OPD. They are

1. Receptionist
2. Doctors
3. Managerial Body

Patients come to the receptionists to take appointments. Patients can be of 2 types:

1. New Patient
2. Old Patient,

A new EMR (Electronic Medical Record) will be generated for a new patient.

Then the receptionist appoints a doctor to that patient of his/her choice or need.

Upon making the appointment, the patient is provided with a serial number and requested to wait until his/her number is displayed/called.

Doctors will call one after another patient from the queue into the chamber. A chamber has one or more Nurses.

The EMR of an old patient will be available on Doctor’s screen.

The doctor can find and prescribe medicines and write tests and remarks for the patient. After submitting, the prescription will be stored in the patient's EMR.

Member of the Managerial Body can see the Income statistics and manage the Inventory and Donations.

# Entity Relationship Diagram

Diagram must be draw by online tool or MS Visio. Then download or Export that , not screen shot.

# Schema/Tables

All the tables and their attributes, primary keys, foreign keys etc.

# Project Risk

Different project having different issue. Write about your project risk in 3-4 lines.

# Conclusion

Conclusion of your proposal by giving the idea how much you have already done and what objectives are pending for the final submission.

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