

# Department of Computer Science

## Mid Term Project Proposal, Spring 19-20

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Course Title	Advanced Programming in Web Technology	Section	B
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### Group Members:

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### Project Title:

Doctor Assistant
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### Short Description:

We face Physical or Mental disorders when we fall sick. Then we meet with Doctors for consultant and taking proper treatment. It is a matter of sorrow that, we become sick so frequently that we need to visit Doctor quite a lot of time. The problems we face are we have to struggle to find the appropriate doctor according to the problem, then we have to carry all those prescriptions, test-reports etc when we visit Doctor. The hardcopy of the reports or the prescriptions sometimes get damaged and become unable to interpret. These materials are very sensitive. A single mistake in interpreting the reports can make a worse deal. Again, writing pattern of the name of the medicines in the prescription often become ambiguous to read. There remains a probability to get wrong medicines for this. Besides, Doctors also face problems when they continuously consult patients after patients. One example is Doctor may become confused while prescribing. So, these things are nothing but hazzles. To reduce these problems, we are going to build a Web based System Application. Hopefully this system will provide a better assist to both Doctors and Patients for solving those problems. Hence, the total system will be managed properly.

### **There are 3 types of users-**

1. Admin
2. Doctor
3. Patient

### **Common Features for all user:**

1. Register to the system
2. Login to the system and logout from the system
3. View own profile details
4. Update own profile data
5. Change password

### **Admin Functionality:**

1. Can add or remove doctor.
2. Can verify doctor validity.
3. Can add medicine details.
4. Can add patient.
5. Can calculate total revenue.
6. Can generate report of revenue.
7. Can analysis patient statistics according to particular diseases.
8. Can update policy.
9. Can view doctor list & details. (active/inactive)
10. Can view patient list & details.

### **Doctor Functionality:**

1. Can check upcoming appointment.
2. Can check appointment history.
3. Can provide prescription to a patient.
4. Can check a patient medical status.
5. Can update patient medical status.
6. Can postpone consultant time.
7. Can check patient medical report.
8. Can check medicine details. (If needed)
9. Can check own balance.
10. Can transfer balance to own bank account.

### **Patient Functionality:**

1. Make appointment to a doctor.
2. View doctor profile.
3. View own medical history.

4. Online payment.
5. Search doctor according to specialty.
6. View medical test result with standard information.
7. Can download document (Prescription, Test Report)
8. Can see alternative medicine.
9. Can give feedback.
10. Can contact emergency service.