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| **SEMESTER** | | | | **FALL 2021** | | | **YEAR** | | | | **2021-2022** | |
| **TITLE OF PROPOSED PROJECT** | | | | | | | | | | | | |
| **Automated Hospital Management System** | | | | | | | | | | | | |
| **Project Category (choose one)** | | | | | **□ Product based** | | | | | **□ Research-based** | | |
| **SUPERVISOR INFORMATION** | | | | | | | | | | | | |
| **Supervisor Name:** | | | **(leave blank)** | | | | | | **Organization/**  **Designation** | | | **(leave blank)** |
| **Contact No:** | | | **(leave blank)** | | | | | | **email:** | | | **(leave blank)** |
| **STUDENT(S) INFORMATION** | | | | | | | | | | | | |
| **S#** | **Student ID** | | | | | **Name** | | | | | | |
| **1** | **9876** | | | | | **Fabeha Naqvi** | | | | | | |
| **Contact No:** | | **0331-8308323** | | | | **email:** | | [**Fabehanaqvi7@gmail.com**](mailto:Fabehanaqvi7@gmail.com) | | | | |
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| **PROJECT AREA/TOOLS** | | | | | | | | | | | | |
| **Tools Required:** | | | Vs code, My SQL Database/ Non SQL/ Serverless Data Base/My SQL | | | | | | | | | |
| **Area/Specialization:** | | | Machine Learning | | | | | | | | | |
| **SUMMARY OF PROPOSED PROJECT (MAXIMUM 300 WORDS)** | | | | | | | | | | | | |
| As we all know coronavirus happens and everybody moves online, which is why we are creating a system that enables patients to make an appointment online and can see all the related information whatever they wanted to know about. We are also creating a module for doctors in which they can prescribe the patients accordingly. The components of Automated hospital management system can be chosen and combined in the general system that meets the needs and standards of the healthcare industry as well as quality standards. One of the main requirements of the Automated hospital management system is security. All medical records have to be protected and only accessible for the allowed users. We will also include the module for patients, department and employees. This system also maintains the information about medicines and there category. We are also creating patient management in which hospital can keep track of the required treatment and dose of the medicines. The person responsible for the particular patient will have the schedule of the daily medicines and times according to which patient should be given the dose of the medicines. If the attendant does not click on the button the dose which should be given to the patient the timer will start and after some time a notification or message will generate to inform the attendant doctor and the guardian of the patient. | | | | | | | | | | | | |
| **PROJECT OBJECTIVE(S)/OUTCOMES** | | | | | | | | | | | | |
| Hospitals are an essential part of our lives, providing the best medical facilities to people suffering from various ailments, which may be due to change in climatic conditions, increased workload, emotional trauma stress, etc. The hospitals must keep track of their day-to-day activities & records of their patients, doctors, and other staff personals that keep the hospital running smoothly & successfully. The hospital system software covers the services that unify and simplify the work of healthcare professionals as well as their interactions with patients. The hospital management system feature list is concentrated on providing a smooth experience for patients, staff, and hospital authorities. The implementation of the hospital management system project provides the institution with different advantages that improve the service quality and efficiency. | | | | | | | | | | | | |
| It will be a hospital management system divide into 3 users, employee, admin, doctors, and patients. Every user will register or log in themselves before doing any work. Admin login will redirect the admin on a dashboard in which they can edit delete and create many things like department, employee, doctor, patient, medicines etc. Patient login will redirect the patient to the website where they can make an appointment with the specialist they want. Doctor login will redirect to the dashboard in which they can know about their appointments and can prescribe them accordingly. The website can be accessible by every user but before placing an appointment user must log in.  .Create Patient Design plan(PDP) and assign staff for Patient Care.  .Track the station of PDP  .notification to assign and care assign staff and supervision  .15 minutes notification to assigned care taker.  .In case of change of staff, assigned patient automatically shifted to the next. | | | | | | | | | | | | |

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| **FUNCTIONAL FEATURES** |

**For FYP 1:**

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| * Front-End Design (UI) – Core-Site, Patient, Admin Panel, Doctor Panel, employee panel * Register into System * Login in to System (Multi-level Authentication: Administrator & User) * Searching Doctors or Specialist * Make Appointments (In patient) * Connect with the hospital through messages * Doctor can check appointment * Doctors can make schedule for the patients |

**For FYP 2:**

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| * Edit, Delete Properties(Admin Side) * Admin can Add New User * Admin can delete Update Appointment. * Add, Edit and Delete Admin * Mobile app for the web application * Push Notification |

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| **For Proposal Defense Purpose** |

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| **PROPOSED ADVISORY COMMITTEE** | | |
| **S#** | **Faculty Name** | **Signature** |
| 1 | Mr. Sohail Imran |  |
| 2 | Mr. Aziz Mehmood Farooqi |  |
| 3 | MR. Usman Saeed |  |

**FYP Committee**

|  |  |  |  |
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| **FYP COMMITTEE** | | | |
| **S#** | **Member(s) Name** | **Designation** | **Signature** |
| **1** | **Usman Khan (FYP Coordinator)** | Lecturer |  |
| **2** | **Mr. Kashif Bashir / Mr Ayub Latif (Head of the Department)** | Asst. Professor |  |
| **3** | **Dr. Muhammad Khalid Khan (Director CoCIS)** | Professor |  |
| **Date** | | 00/00/0000 | |