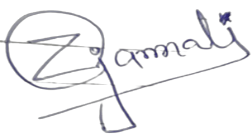
**Final Year Project – Registration Form**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Title:** | **Early Brain Tumor Detection and Doctor Recommendation** | | |
| **Supervisor Name:** | **Assistant Professor Zakriya Jamali** | | |
| **Co-Supervisor (if any)** | **Dr. Samar Raza Talpur and Mr.Farhan Ahmed Jamro** | | |
| **Group Leader:** | **Dilbar Hussain** | | |
| **Group Member:** | **No one** | | |
| **Submission Date:** | **12/09/2023** | | |
| **Abstract**  Brain tumors represent a significant health concern worldwide, with its diverse and complex nature necessitating advance detection, prevention, and doctor recommendation strategies.  This project investigates the multidimensional aspects of brain tumors, focusing on its early detection, and the essential role of physician recommendations.  The early detection of brain tumors is a critical task that enables accurate diagnosis and targeted treatment. This project examines the evolving landscape of brain tumor early detection techniques, ranging from traditional histopathological methods to cutting-edge molecular profiling. Furthermore, it explores the integration of Artificial Intelligence and Machine Learning in refining early detection accuracy, enabling personalized treatment plans and predicting patient outcomes. Prevention strategies for early brain tumors encompass a range of lifestyle modifications and risk factor management. It also emphasizes the significance of public health campaigns in raising awareness about risk reduction through measures like healthy dietary choices, minimizing exposure to radiation, and fostering a tobacco-free environment. Effective doctor recommendation systems play a pivotal role in facilitating timely diagnosis and appropriate treatment.  Doctor recommendationandpatients’ communication can be addressed by utilizing emerging technologies tools such as Telemedicine and Decision Support Systems (DSS) that not only enhance but also streamline the referral process.  In conclusion, the intricate landscape of early brain tumor detection, prevention, and doctor recommendation strategies. By embracing advancements in detection methodologies, adopting preventive measures, and optimizing doctor-patient interactions, the medical community can collectively enhance brain tumor management and patient outcomes. This project can further be extended for **prevention, design for mobile applications and chatbot.**  Keywords: brain tumors, detection, prevention, doctor recommendation, molecular profiling, artificial intelligence, risk factors, telemedicine, decision support systems. | | | |
| * **Name** | | **Team Member 1** | **Team Member 2** |
| **Dilbar Hussain** | **No one** |
| **Signature** | |  |  |

****

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Supervisor Signature Co-Supervisor Signature**