Title: Online Medical Consultation

Motivation:

We are learning to adapt to many new changes due to the covid-19 pandemic. Medical professionals are the front-line heroes of this corona war. It has become a crying need to develop an official online platform to provide medical treatment to the patient without physical appearance. Unfortunately, the people of our country do not get any live steaming one-to-one medical consultation facility from medical professionals due to the lack of any reliable online medical consultation platform.

Objective:

The main objective of this project is to design a dynamic, responsive website, and an online framework for online medical consultation.

Critical Challenges:

It is very different to develop and deploy an online medical consultation platform. Reliability, proper monitoring, avoid misconduct from both doctors and patients are the main challenges.

Conflicting requirement:

High quality of live streaming VS avoid buffering of live streaming

How Ps are addressed through the project and mapping among Ps, COs, and POs

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| Ps | Attribute | How Ps are addressed through the project | COs | POs |
| P1 | Depth of Knowledge Requirement | The project requires rigorous study of all the existing online medical consultation platforms (K8), conducts a survey on stakeholders – doctors, patients, and monitoring authority (K3, K4), web-based backend, and frontend design (K5, K6). | CO1  CO4  CO5  CO8  CO10 | PO2  PO6  PO8  PO11  PO1 |
| P2 | Range of Conflicting Requirement | Conflicting requirement: High quality of live streaming VS avoid buffering of live streaming | CO1  CO2 | PO2  PO3 |
| P3 | Depth of Analysis Required | Depth of analysis of requirements stakeholders – doctors, patients, and monitoring authority is needed to ensure user satisfaction. | CO1  CO4  CO5  CO8 | PO2  PO6  PO8  PO11 |
| P4 | Familiarity of Issues | Conducting online medical consultation is an infrequent issue before the coronavirus pandemic and our project deals with it. | CO9 | PO12 |
| P7 | Interdependence | Our project involves interdependent components such as requirement analysis, designing backend, and frontend, software testing, etc. | CO8 | PO11 |

How As are addressed through the project

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| As | Attribute | How As are addressed through the project |
| A1 | Range of Resources | Throughout the development stage, the project requires the use of diverse resources including stakeholders (doctors, patients, and monitoring authority), information, and modern technologies. |
| A2 | Level of Interaction | The project requires a significant amount of interactions among doctors, patients, monitoring authority, and professionals from the software industry. |
| A3 | Innovation | The platform needs to be updated with innovative and creative ideas to meet the feedback from all stakeholders – doctors, patients, and monitoring authority. |
| A4 | Familiarity | Conducting online medical consultation is an infrequent issue before the coronavirus pandemic and our project deals with it. |