**Project Title:**

Immersive VR Suit for Motion Capture

**Project Title (new):**

Tracking and Monitoring System for Covid-19 Patients

**Project abstract (new):**

The purpose of the system is to monitor and restrict the movements of the patients in quarantine centers. A device will be designed by the combination of NodeMCU+wifi and MPU6050 that will help to capture the movements of the patient. The data received from the device will be transferred to the server via WIFI. The final product will be an armband that will be worn by the patients in hospitals. The movement of the patient will be monitored by the Hospital Admin via an admin portal on a web app. In this way, doctors can have check on the patients and can restrict their movements accordingly to protect others.

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| **Old Objectives** | **New Objectives** |
| * To design a suit which can track and record body movements for prosthetics and health industry | To design a device that tracks the motion of Covid-19 patients. |
| * To design a suit with inertial sensors on 7-8 locations | To design an arm band consisting of NodeMCU and MPU6050 |
| * To generate real-time co relation between human and character. | To develop a server to communicate between database, device, and web app. |

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| **Old Deliverables** | **New Deliverables** |
| * An immersive VR suit to capture body movements on a character. | A functioning prototype aiming to monitor and track the patient’s activity along with the status on admin portal. |
| * Designing a less expensive suit, unlike already present suits, to reduce the price factor for the purpose of affordability. | Designing an armband to stop the spread of this lethal virus from infected person to the healthier. |

**Group Members:**

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