

## Peer Review and Extension of Work

Based on the review of earlier project, some projects have been sorted out which can be extended further, Table summarized some previous work and related that we have extended.

S.No.	Previous Work with session	Related work with session	Name of Faculty
1	Design and Study of Microstrip Antenna for 5G Communication. (2020-21) <b>Student Project</b>  <b>Outcome: Research paper published (IEEE Conference)</b>	Design and analysis of Meta-Material inspired antenna for 5G communication. (2021-22) <b>Student Project</b>  <b>Outcome: Patent Published: Application No.202311058993 A</b>	Dr. Pankaj Jha
3	IOT Based Wearable Heart Rate and Blood Oxygen Concentration Monitoring System (2018-19) <b>Student Project</b>  <b>Outcome: Research paper published (Scopus Indexed)</b>	Heart disease prediction using ECG and ML. (2021-22) <b>Student Project</b>  <b>Outcome: Patent Published: Application No.202311058988 A</b>	Dr. Seema Nayak
4.	Heart disease prediction using ECG and ML. (2021-22) <b>Student Project</b>  <b>Outcome: Patent Published: Application No.202311058988 A</b>	Self- health monitoring kit (2022-23) <b>Student Project</b>  <b>Outcome: Research paper published (IEEE Conference)</b>	Dr. Seema Nayak
5.	Digital Umbrella (2022-23) <b>Student Project</b>  <b>Outcome: Patent Published: Application No.202311059011 A</b>	Real time security system for daily sellers  (2023-24)  <b>Student Project</b>	Ms. Arpana Mishra/ Mr. Basanta Mahato
6.	Finger and hand tracking with feedback simulation for VR and other applications (2022-23) <b>Student Project</b>  <i>Outcome: Selected in final round in National Hackathon at Sharda University.</i>	Feedback Simulation and Gesture tracking via 3 axis motion tracker and microcontroller.  (2023-24)  <b>Student Project</b>	Mr. Basanta Mahato
7.	House Hold gas monitoring system. (2021-22) <b>Student Project</b>  <i>Outcome: Selected for Prototype model(In-house)</i>	House Hold gas monitoring system using Mobile application. (2022-23) <b>Student Project</b>  <b>Outcome: Research paper published (IEEE Conference)</b>	Mr. Basanta Mahato