

Projects at a Glance

IoT Cloud

1. **Title:** Data Management and Privacy of data in Cloud Computing
Team member: Dr. Jaydeep Howlader, Prasenjit Choudhury, Anirban Sarkar

IoT Middleware

2. **Title:** A Multi Agent Based Proactive Framework for IoT Middleware with context-awareness and dynamic team formation
Team member: Dr. Animesh Dutta, Dr. Subhbrata Choudhury

IoT Network & Communication

3. **Title:** 5G mm Wave Channel Models for Smart Vehicles
Team Member: Aniruddha Chandra
4. **Title:** Measurement of Radiation and Interference Characteristics of RF Devices for IoT Application
Team Member: Sujit K Mandal, Rowdra Ghatak and Gautam K Mahanti
5. **Title:** Development of SDN testbed for research in IoT based Intelligent Systems
Team Member: Prof. Sumit Kundu, Suvomoy Changder , Dr. Subhbrata Choudhury, Dr. Sajal Mukhopadhyay, Dr. Suvrojit Das, Dr. Animesh Dutta, Dr. Aniruddha Chandra, Dr. Sarit Maitra.
6. **Title:** Visible Light Communication for IoT
Team Member: Dr. Mousumi Saha, Dr. Sujoy Saha, Dr. Ashis Kumar Mal

IoT Applications

7. **Title:** IoT and Healthcare, Cognitive & Adaptive - Cloud Assisted Wireless Body Area Network System for Health Care Applications; Cognitive and adaptive system.
Team member: Prasenjit Choudhury, Sanghita Bhattacharjee, Anirban Sarkar, Parag Kr. Guha Thakurta. Tandra Pal
8. **Title:** An early warning system for to prevent sudden interruptions in electrical power supply in smart cities using distributed interconnected smart system
Team Member: Dr. Chiranib Koley
9. **Title: HumanSense:** An IoT enabled smart-home testbed for human activity recognition
Team Member: Sujoy Saha, Mousumi Saha
10. **Title:** Fine-grained Indoor/Outdoor Environment Pollution Map using Low Cost Sensors
Team Member: Subrata Nandi, Sujoy Saha, Mousumi Saha

Robotics and Intelligent Systems

11. **Title:** (a) IoRT: Internet of Robotic Things for Service Robotics Application (b) Industrial IoT-based Monitoring and Control of different Processes in Steel Plants (c)IoT-based Intelligent Condition Monitoring of Additive Manufacturing Systems
Team Member: Shibendu Shekhar Roy, Nanda Dulal Jana, Sujoy Saha, Tandra Pal
12. **Title:** (a) Developing Robots for Assisted Teaching in School and smart electronic voting machine
Team Member: Nirmal B Hui, Bibhash Sen.

Devices/Sensor and Security

13. **Title:** E-Sec: Development of Embedded Hardware Security for IoT applications
Team member: Bibhash Sen, Suchismita Roy, Mamata Dalui, Ashis Kumar Mall, Rajat Mohapatra, Suvrojit Das, Jaydeep Howlader, Anirban Sarkar.