1. Exploring risk factors of adverse maternal and child health outcomes using machine learning and other advanced data analytical approaches

**Investigators:** Sourab Bikas Paul, Subhashis Banerjee, Ambuj Sagar.

**Partners:** Tarun Choudhury and Ranadip Chowdhury (Society for Applied Studies, Delhi)

**Funding agency:** Biotechnology Industry Research Assistance Council (BIRAC) and Gates Foundation.

**Budget:** Rs. 57,00,000

**Duration:** 2019-2020

2. AIIMS-IITD Centre of Excellence for Neuro-engineering.

**Coordinators:** Ashish Suri (AIIMS) and Subhashis Banerjee.

**Funding agency:** DBT

**Budget:** Rs. 10,00,00,000

**Duration:** 2017-

3. Four problems related to ADAS

**PI:** Subhashis Banerjee.

**Others:** Chetan Arora (IIITD) and Uma Mudenagudi (BVBCET)

**Funding agency:** Continental Automotive

**Budget:** Rs. 30,00,000

**Duration:** 2016-2017

4. Two ongoing collaborative projects (as Co-PI) with Department of Neurosurgery, AIIMS with major part of the funding at AIIMS:

   (a) Evaluation of development of neurosurgery skills by handson skills training and interactive virtual training (Rs. 1,49,00,000).

   (b) IIT Delhi as Repository Centre for Archival transmission and Computing (Rs. 1,50,00,000).

5. Creation of central computing infrastructure for universities.

**Chief Investigator:** Huzur Saran

**Co-investigator:** Sorav Bansal, Subhashis Banerjee, R. S. Mani (NIC).

**Funding agency:** MHRD (NMEICT).

**Budget:** Rs. 40,00,00,000

**Duration:** 2012-

6. Research group on computer graphics and vision, Indo-German Max Planck Centre for Computer Science.

**Investigators:** Prem Kalra, Subodh Kumar, Subhashis Banerjee, Hans-Peter Seidel, Michael Wand and Christian Theobalt.
Subhashis Banerjee: projects (since 2010)

**Funding agency**: DST, Bundesministerium fur Bildung und Forschung (BMBF, Federal Ministry of Education and Research) and the Max-Planck-Gesellschaft (MPG, Max Planck Society).

**Duration**: 2010 -

7. **Similarity measures and their optimization for video analysis and editing.**

**Chief Investigator**: Subhashis Banerjee.

**Co-investigator**: P. J. Narayanan (IIIT Hyderabad), Shmuel Peleg (Hebrew University, Jerusalem) and Michael Werman (Hebrew University, Jerusalem).

**Funding agency**: DST, Bundesministerium fur Bildung und Forschung (BMBF, Federal Ministry of Education and Research) and the Max-Planck-Gesellschaft (MPG, Max Planck Society).

**Budget**: Rs. 5,00,000

**Duration**: 2012 - 2014

8. **Acquisition, Representation, Processing and Display of Digital Heritage Sites.**

**Chief Investigator**: Prem Kalra

**Co-investigator**: Subodh Kumar, Subhashis Banerjee, others.

**Funding agency**: DST

**Budget**: Rs. 57,00,000

**Duration**: 2010 - 2013

9. **Immersive Environment for Tele-operation (Sub project No. 1 under the main project RP02346).**

**Chief Investigator**: Prem Kalra

**Co-investigator**: Subodh Kumar, Sumantra Dutta Roy, Santanu Chaudhury, Subhashis Banerjee, others.

**Funding agency**: BRNS, DAE

**Budget**: Rs. 1,53,34,000

**Duration**: 2010 - 2015

10. **Vision-Guided Control of a Robot Manipulator (Sub project No. 3 under the main project RP02346).**

**Chief Investigator**: Sumantra Dutta Roy

**Co-investigator**: Santanu Chaudhury, Prem Kalra, Sudipto Mukherjee, Subhashis Banerjee, others.

**Funding agency**: BRNS, DAE

**Budget**: Rs. 1,44,34,000

**Duration**: 2010 - 2015

11. **Large scale data processing and visualization**

**Chief Investigator**: Subodh Kumar
Co-investigators: Subhashis Banerjee, Prem Kalra, Niloy J Mitra, Kolin Paul, Sandeep Sen, Santanu Chaudhury (EE), Rajinder Bahl (CARE), Sanjeev Sanghi (AM), Om P Sharma (CAS)

Funding agency: Naval Research Board

Budget: Rs. 39,74,100

Duration: 2008-2010

12. Visual enhancement, manipulation and retargeting of videos

Chief Investigator: Subhashis Banerjee

Co-investigators: P J Narayanan (IIIT Hyderabad), Uma Mudenagudi (BVB College, Hubli) and Prem Kalra

Funding agency: Naval Research Board

Budget: Rs. 25,40,000 (Rs. 8,00,000 for IITD)

Duration: 2008-2010