

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

Investigators: Sourabh 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 hands-on 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.

Funding agency: DST, Bundesministerium für 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 (Indo-Israel Project).

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