Department of Science & Technology
(International Bilateral Co-operation Division)

An India-Israel joint call for proposal under **Indian-Israeli Joint Research Cooperation Programme (IIJRC): 2017-2019** was issued by Department of Science and Technology (DST), Ministry of Science & Technology, Government of India, New Delhi and the Ministry of Science, Technology and Space of State of Israel (MOST) for inviting joint research activities carried out by Indian and Israeli researchers in the areas of (i) Big Data Analytics in Healthcare, and (ii) Security in Cyber Space.

The last date for submitting the proposals was 5th January, 2017. A total of 18 proposals were received against the call. After judicious assessment based on scientific strength, technical aspects, project objectives and national priorities of both the countries, Department of Science and Technology (DST), India and Ministry of Science, Technology and Space of State of Israel (MOST) have jointly decided to support the following 9 proposals. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

List of Projects

S.No.	Title of the Project	Indian PI Name and Institution	Israeli PI Name and Institution
1	Efficiency of Secure Computation	**Manoj Prabhakaran** Professor Department of Computer Science and Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076	**Yuval Ishai Professor** Departmetn of Computer Science, Technion
2	Indo-Israel Collaborative for Infrastructure Security with Second Generation Anomaly Detection Techniques	**Dr Sandeep Kumar Shukla** Professor Dept of Computer Science and Engineering & Center for Cyber Security of Critical Infrastructures, Indian Institute of Technology Kanpur, UP 208016	**Amir Averbuch** Professor School of Computer Science, Tel Aviv University & Blavatnik Interdisciplinary Center for Cyber Security Research
3	Molecular characterization of Giardia and Cryptosporidium for tracking the zoonotic potential for contamination of food crops in India and in Israel	**Dr Rakesh Sehgal** Professor and Head Department of Medical Parasitology, PGIMER, Chandigarh, Research Block A, Ground Floor, PGIMER, Sector-12, Chandigarh, India, 160012	**Prof. Abidelfatah Nasser** Director of Water Quality Research Laboratory National Public Health Laboratory, Ministry of Health, Tel Aviv, Israel,

4	Improving Automated Cryptanalysis	**Dr. Somitra Kumar Sanadhya** Assistant Professor Dept of Computer Science and Engineering, IIIT Delhi, A-402, Academic building, IIIT Delhi Okhla Industrial Area, Phase 3, New Delhi-110020	**Dr. Orr Dunkelman** Associate Professor Dept. of Computer Science, University of Haifa, Israel
5	Constructions of Pseudo random functions and Their applications to Cryptography	**Dr Mridul Nandi** Associate Professor Applied Statistics Unit, Indian Statistical Institute Kolkata, 203 Barrackpore Trunk Road, Kolkata 700108	**Shay Gueron** Associate Professor Department of Mathematics , University of Haifa, Sderot Aba Khoushi 199, Haifa 3498838, Israel
6	Longitudinal Big-Data Mining for Prediction and Precision in Critical Care Medicine	**Dr Rakesh Lodha** Professor Department of Pediatrics, All India Institute of Medical Sciences, AIIMS, New Delhi, Room No. 3061A, Ansari Nagar, New Delhi 110029	**Robert Moskovitch** Senior Lecturer Department of Software and Information Systems Engineering, Ben Gurion University of the Negev
7	Dissecting Autism Trajectories in Longitudinal Electronic Health Records	**Dr. R.N.V.Jagan Mohan** Professor Department of Computer Science and Engineering, Swarnandhra College of Engineering and Technology, 3-3-1/1, Rayasam Vari Street, Narsapuram-534 275. West Godhavari District, A.P., India	**Alal Eran** Senior Lecturer Department of Life Sciences, Ben-Gurion University of the Negev
8	Exploring Bone Marrow MSCs derived Exosomes as a Potential Treatment for Diabetes Mellitus type 1	**Dr. Swasti Tiwari** Associate Professor & Head Department of Molecular Medicine & Biotechnology, Sanjay Gandhi Post Graduate Institute of Medical Sciences Lucknow, Room 07 & 08, 4th floor, PMSSY Building	**Dr Batia Avni Senior** Physician Department of Hematology and Bone Marrow Transplantation, Haddasah Medical Center

		S.G.P.G.I.M.S., Rae Bareli Road, Lucknow-226014	
9	Suitable Fuzzy Set Based Clustering Techniques in Analysing Gene Expression Microarray High Dimensional Medical Databases	**Dr S R Kannan** Associate Professor Department of Mathematics, Ramanujan School of Mathematical Sciences, Pondicherry Central University, Pondicherry, 605014	**Prof. Mark Last** Department of Software and Information Systems Engineering, Ben Gurion University of the Negev, Beer-Sheva 84105, Israel