

United States–India Science & Technology Endowment Fund (USISTEF)

7th Call / Stage II: Shortlisted Proposals

Note: Depending on the content, certain proposals are being considered in a category different from that indicated by the applicant in the original application. Applicants are therefore advised to go through the lists for both categories as given below. Shortlisted teams are being notified separately for making an in-person presentation before the Panel in the next round of evaluation.

Healthy Individuals

S. No.	Project Title / Ref. No.	Lead Partner India	Lead Partner US
1.	<i>“Development and field validation of the Sattva Fetal Plus - a non-invasive fetal ECG based STAN monitor for early detection of fetal hypoxia to tackle 500,000 annual neonatal deaths”.</i>	Vibhav Joshi Sattva MedTech, Bangalore	Dr. Arnaud Delorme Swartz Center for Computational Neurosciences, Institute of Neural Computation, University of California, San Diego, CA
2.	<i>“Reducing Neonatal Mortality through the Development of a High-Quality, Affordable Respiratory Support System”.</i>	V. Sashi Kumar Phoenix Medical Systems (P) Ltd, Ekkattuthangal, Chennai	Krista Donaldson D-Rev, 695 Minnesota Street San Francisco, CA
3.	<i>“Low-cost, efficient and portable blood cell counter for point-of-care diagnostics”.</i>	Usama Ahmed Abbasi Pratimesh Labs Pvt. Ltd (MicroX Labs), Society for Innovation and Development, Indian Institute of Science, Bangalore	Leanna Levine Aline, Inc, 19500 S Rancho Way #107, Rancho Dominguez, CA
4.	<i>“Rapid, instrument-free, nucleic acid-based detection of drug-resistant tuberculosis by dipstick in resource limited setting using samples collected on coated filters and stored at room temperature.”.</i>	Pratap N Mukhopadhyaya Wobble Base BioResearch Private Limited, Pashan, Near Abhinav College, Pune	Chirajyoti Deb APH- Peds Specialty Lab, Arnold Palmer Medical Center, Orlando, FL
5.	<i>“PROBIO : An intra-operative device for monitoring and validation of ablation and surgical cancer therapies in liver and lungs”.</i>	Nandakumar S Perfint Healthcare Pvt. Limited, Chennai	Robert Mah, SSRL Smart Systems Technologies LLC, 10959 Maria Rosa Way, Cupertino, CA
6.	<i>“Portable and Low Cost Braille Printer for the Non-Sighted Users”.</i>	Shiva Subhashini Pakalapati B. V. Raju Institute of Technology, Medak, Telangana	Alan F. Rux, A. R. Engineering Technologies, 171 Justice Hill Cutoff, Sterling, MA
7.	<i>“Continent Ostomy Management Device”.</i>	Pranav Chopra Crimson Healthcare Pvt Ltd, Janakpuri, New Delhi	Peter Thier Ximedita, 55 DuPont Drive, Providence, RI
8.	<i>“Kanmani: Affordable and accessible eye examination device for resource constrained settings”.</i>	Swaminathan. K Silicic Innova Technologies Private Limited, Ashok Nagar, Chennai	Ying Sun Univeristy of Rhode Island, Kingston, RI

9.	<i>“Nonspec Prosthetic Pylon”.</i>	Sanjay M. Vaidya Feet First Clinic Dr. Vaidya's Speciality Clinic, Borivali, Mumbai	Jonathan de Alderete Nonspec, 106 Concord St. Carlisle, MA
10.	<i>“Lightweight, Ultra-Fast, Next-Generation Magnetic Resonance Imaging (MRI) Scanners”.</i>	Arjun Arunachalam, Foundation for Innovation and Social Entrepreneurship, Springfield, Karnataka	Shahin Pourrahimi Superconducting Systems Inc., Billerica, MA
11.	<i>“Safe, Effective and Affordable treatment for Hypoxic Ischemic Encephalopathy in Neonates”.</i>	Jayadeep Unni Sensivision Health Technologies Pvt Ltd., Jalahalli, Bengaluru	Andrew Logan University of California, San Francisco, CA
12.	<i>“Novel and effective way to reduce the risk of ventilator associated pneumonia”.</i>	Nitesh Kumar Jangir Coeo Labs Pvt. Ltd., Bangalore	Bill Evans Bridge design, 375 Alabama St, Ste. 410 - San Francisco

Empowering Citizens

S. No.	Project Title / Ref. No.	Lead Partners India	Lead Partner US
1.	<i>“Digital Braille Accessibility for the Blind made affordable by magnetic actuator technology”.</i>	Surabhi Srivastava Inceptor Technologies Pvt. Ltd. (Innovision), SINE, Indian Institute of Technology Bombay, Mumbai	Shraddha Sangelkar Penn State Erie, The Behrend College, Erie, PA
2.	<i>“Carbon Continuum - CNTs”.</i>	Amit Kumar Carbon Continuum Pvt. Ltd, Bangalore	Joel Meeks-Matous TMM Industries Ltd, Brooklyn, NY
3.	<i>“Distributed Solar Energy with Storage”.</i>	Sudhir Muthyala Sys3E Technologies Pvt Ltd, H1, Riviresa, Pune	Rajarshi Banerjee Sollector Systems inc, 2337 silver breeze court, US
4.	<i>“Millimeter Wave Transceiver Development for High Bandwidth Secure Wireless Communication”.</i>	Neha Satak Astrome Technologies Pvt Ltd, Society for Innovation and Development, Indian Institute of Science, Bangalore	Raghunath Das Aniara SpaceCom LLC, #174, Nassau Street 200, Princeton, NJ
5.	<i>“Providing clean water to vulnerable population using environmentally friendly, self-sustainable microplasma ozone technology”.</i>	Dinesh K Venkatachalam Eta Purification, Kurinji Nagar, Coimbatore	Sung-Jin Park EP Purification Inc., 2105 W. Park Ct., Champaign, IL,
6.	<i>“Remote Monitoring and Risk Management of Railroad Bridges”.</i>	Jay Damodaran Caton Infra Tech Pvt. Ltd, Rajajinagar, Bengaluru	Gerald Roston Civionics, Inc, 1600 Huron Pkwy, 2nd Floor, Ann Arbor, MI
7.	<i>“Smart IoT Farm: Advnced Sensors & Data Analytics for Smart Animal Husbandry”.</i>	Mandar Gadre ConnViva Technologies Pvt Ltd, Karvenagar, Pune	Terry Alford Arizona State University, Tempe, AZ

8.	<i>“India's First Independent, Streaming Air Quality Monitoring Network Using Low-Cost Particulate Matter (PM) Sensor Devices”.</i>	Ronak Sutaria Live Data Visualization Pvt. Ltd., 7, Maheshwar Nivas, , Santacruz (W), Mumbai	Michael Bergin Duke University, Civil and Environmental Engineering, 121 Hudson Hall, Durham, NC,
9.	<i>“Commercialization of a novel DNA-based nanosensor for the field-deployable, point-of-contact detection and diagnosis of plant diseases to ensure food security in India”.</i>	Bhagirath Choudhary South Asia Biotechnology Centre, New Delhi	Brad Day Michigan State University, East Lansing, MI
10.	<i>“CFP”.</i>	Sreenivas Karanam Wiwanet Solutions Private Limited, Bangalore	Bhaskar Srinivasan 1649 Hyacinth Lane, San Jose, CA
11.	<i>“Sensor controlled, grid independent irrigation technology”.</i>	Kavita Patil TERI - The Energy and Resources Institute, Goa	Thomas Boving Dept. Civil and Environmental Engineering, University of Rhode Island, Woodward Hall, Kingston, RI
12.	<i>“The testing and certification and sales of BPPC green tyre for electric bikes/lawnmower/ATV according to the USA regulation”.</i>	Sameer Panda Tycheejuno Speciality Tyre Pvt Ltd, Janakpuri, New Delhi	Ramakrishna Dasari Largeton Inc., 13800 Coppermine Rd, Herndon, VA