

UK India Education and Research Initiative (UKIERI-4)

List of final awardees for Strand 1 - Institutional Research & Mobility Partnerships Grant

SI nu	Submission ID	Project Title	Thematic area	Lead UK University	Lead Indian University
1.	45575367	Decentralised learning and decision-making	Advance Computing	University of Bristol	Indian Institute of Science, Bangalore
2.	45582882	Development of Next Generation of Spatio-Temporal Multimode Broadband Amplifiers for Fiber Optic Communication (NextSTAR)	Next Gen Communication	University of Southampton	Indian Institute of Technology Hyderabad
3.	45576953	Tunable One-Dimensional Molecular Ribbons and Two-Dimensional Conjugated Organic Frameworks as Advanced Organic Semiconductors	Semiconductors	The University of Manchester	Indian Institute of Technology, Kanpur
4.	45582521	AI-Driven Resilient Semiconductor Supply Chain	Artificial Intelligence	University of Warwick	Indian Institute of Technology Kharagpur
5.	45570497	Development of amorphous silicon flexible alpha radiation detectors for nuclear decommissioning	Semiconductors	University of York	Indian Institute of Technology Bombay
6.	45572670	Development of Generative AI to Predict Hydrogen Embrittlement Failure on Welded and 3D Printed Parts	Artificial Intelligence	Coventry University	Vellore Institute of Technology
7.	45559145	Artificial Intelligence-Assisted Glycopolymer-Based Mucoadhesive Nanogel for Targeting Cervical Tumor Microenvironment	Artificial Intelligence	University of Bradford	Indian Institute of Technology Kharagpur
8.	45564759	Perovskite Inspired Chalcogenide Semiconductors for Efficient Optoelectronics	Semiconductors	University of Oxford	Indian Institute of Science
9.	45571862	Integrated Optical and Radio Frequency Sensing and Communication for Sustainable Development	Next Gen Communication	Aberystwyth University	Indian Institute of Technology Indore
10.	45566002	EMERALD: Environmental Monitoring and Evaluation via Remote Advanced LoRa-Driven Detectors for Heavy Metal Contamination	Next Gen Communication	Middlesex University, London (MU)	Vellore Institute of Technology (VIT)
11.	45581779	Integrating Artificial Intelligence into Dental Education: Addressing a critical global oral health challenge through transformative capacity building	Artificial Intelligence	Queen Mary University of London	Guru Gobind Singh Indraprastha University

SI nu	Submission ID	Project Title	Thematic area	Lead UK University	Lead Indian University
12.	45371261	Wireless earbuds for post-laryngectomy Silent Speech Interface	Artificial Intelligence	University of Cambridge	Chitkara University Punjab
13.	45462375	Self-Powered Wearable Biosensor Integrated with Nanopore and Triboelectric Nanogenerator for Non-Invasive Health Monitoring	Semiconductors	Nottingham Trent University	Panjab University
14.	45575372	Developing a smart city geospatial data catalogue to capture complexities of urban mobility in India	Advance Computing	University College London (UCL)	Malaviya National Institute of Technology, Jaipur
15.	45501287	IRS-Aided OTFS Framework for Integrated Terrestrial and Non-Terrestrial Networks for Seamless Connectivity	Next Gen Communication	The University of Edinburgh	Indian Institute of Technology (BHU) Varanasi
16.	45354770	Functionalizing the next generation 2D semiconductors for optoelectronic and catalytic applications via ion irradiation	Semiconductors	University of Surrey	Indian Institute of Science Education and Research Thiruvananthapuram (IISER TVM)
17.	45576332	UAV-enabled ultra-reliable low-latency communication for energy efficiency and latency reduction in 6G networks"	Next Gen Communication	University of Glasgow	Indian Institute of Space Science and Technology
18.	45580615	Layered Nanocomposite Composed of Graphene Carbon Quantum Dots and Mxene Coated with Calcium Oxide Nanoparticles for Large Scale Carbon Dioxide Capture and Translation into Nano-Fertilizer	Semiconductors	University of Nottingham	NITTE University
19.	45575458	Advancing Healthcare through Predictive Analytics: A Machine Learning Approach	Artificial Intelligence	University of York	Amity University, Noida
20.	45574534	Development of UG/PG research themes in Energy and Sustainability within Renewable Energy Taught courses in India and UK	Semiconductors --> Sustainability	Teesside University	Tamil Nadu Agricultural University
21.	45495991	Open RAN for Next-Gen 6G Communications Using AI-based Quantum Computing (abbv: TITIAN)	Next Gen Communication	Nottingham Trent University	Indian Institute of Information Technology (IIIT) Guwahati
22.	45554398	Multiple Access Techniques for improved Rural & Remote connectivity in Aerospace Integrated Networks	Next Gen Communication	University of Essex	Indraprastha Institute of Information Technology Delhi
23.	45577487	DigIT (DigIT - Digital Twin Modelling of Integrated Transportation Platform)	Next Gen Communication	Middlesex University	Indian Institute of Technology Hyderabad