

**LIST OF APPROVED PROPOSALS UNDER SECOND EOI CALL**

| <b>Proposal No.</b> | <b>Proposal Title</b>   | <b>Faculty/Staff from IITK</b>      | <b>Faculty/Staff form La Trobe</b>       |
|---------------------|---|-------------------------------------|--|
| EOI 2-1             | Growth Convergence & Spatial Analysis of Indo-Australian Supply Chain Dynamics Perspective  | Somesh Kumar Mathur                 | Sobhan(Sean) Asian                       |
| EOI 2-2             | Women Entrepreneurs & Green Entrepreneurship: A Strategic Approach Towards Implementation of Circular Economy Model                                       | B.V.Phani                           | Alex Maritz                              |
| EOI 2-3             | AI-Driven Healthcare: Multi-Modality Data Analysis and Mining For COVID-19 Treatment and Rehabilitation in India & Australia                              | Vipul Arora                         | Peng Cheng                               |
| EOI 2-4             | Artificial Intelligence, Blockchain And Internet of Things for Agri-Food Supply Chain Traceability  | Subhajit Roy                        | Wei Xiang                                |
| EOI 2-5             | A Hierarchical Methodology for Designing Ultra-High Strength Cement Composite for Construction for Modern Infrastructure                                  | Amar Nath Roy Chowdhury             | Vipul Patel                              |
| EOI 2-6             | Explainable Deep Syntactic Descriptors for Information Retrieval  | Vipul Arora                         | Phoebe Chen                              |
| EOI 2-7             | Automated Traffic Incident Detection and Duration Prediction  | Pranamesh Chakraborty               | Long Truong                              |
| EOI 2-8             | Public Understanding and Informed Decision-Making on The Ganges River Water by People Participation for An Action Plan for Clean River Ganges (APCRG).    | Pradip Swarnakar & Raju Kumar Gupta | Prem Kurup & Xia Li                      |
| EOI 2-9             | Discover the Best Practices of Community Engagement in Promoting Rooftop Terrace Gardening in Smart Urban   | Pradip Swarnakar                    | Malliga Marimuthu and Clare D'Souza      |
| EOI 2-10            | Incremental Data Stream Representation Learning Based Digital Twin Technology for Dynamic Smart City Environments   | Ankush Sharma                       | Damminda Alahakoon and Binh Tran         |
| EOI 2-11            | Ethics in The Supply Chain  | Jothsna Rajan                       | Suzzane Young and Damminda Alahakoon     |
| EOI 2-12            | Geothermal Foundation System for Heating and Cooling of Buildings   | Priyanka Ghosh                      | Aboel Naga Hossam                        |
| EOI 2-13            | Hybrid Nanocellulose-Glass and Carbon Fibres: Toward Sustainable Sourcing and Biodegradable Recycling of High-Performance Structural Composite Materials. | Vivek Verma                         | James Maxwell, Avinash Baji and Ing Kong |
| EOI 2-14            | METACOMP: Metamaterial Embedded Composites for Enhanced Multifunctional Mechanical Performances   | Tanmoy Mukhopadhyay                 | Thuc P. Vo                               |