

CMET/1339/2026-CMET-TSR/E-3181131

Date: 05.10.2026

## List of Selected / Not Selected Proposals for Grant Challenge - 2 Under IICG

## Annexure – I

## List of Selected Proposals for Grant Challenge

| Sr. No. | Proposal ID   | Applicant/PI Name                                                    | Organization/Institute                                                     | Project Title                                                                                                                                                                    |
|---------|---------------|----------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | IICG-2026-002 | Dr.R.Prasanna                                                        | Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology | Design for Graphene based Omnidirectional Radiation Arrays for Sub-6GHz Antenna Application                                                                                      |
| 2       | IICG-2026-009 | Akhil Gupta<br>Dr. Monika Verma                                      | Mazout Electric Private Limited, Laxmi Nagar, Delhi                        | Design for Graphene based Omnidirectional Radiation Arrays for Sub-6GHz Antenna Application                                                                                      |
| 3       | IICG-2026-013 | Dr. Arpan Desai,                                                     | ICT Department, Pandit Deendayal Energy University, Gandhinagar, India     | Development of Graphene-Based Wideband Dual-Polarized MIMO Dipole Array Antenna for 5 GHz Wireless Communication.                                                                |
| 4       | IICG-2026-058 | Dr. Deepti Das<br>Krishna                                            | Cochin University of Science & Technology, Cochin,                         | Design for Graphene-based Omnidirectional Radiation Arrays for Sub-6GHz Antenna Application                                                                                      |
| 5       | IICG-2026-005 | Dr. Anuj Kumar                                                       | GLA University, Mathura                                                    | Crown Ether Functionalized Borophene Quantum Dots for Ultrasensitive and Highly Selective Fluorescence Sensing of Sodium (Na <sup>+</sup> ) and Potassium (K <sup>+</sup> ) Ions |
| 6       | IICG-2026-033 | Mr. Mohammad Muzaffar Ahsan<br>Mrs. S Maheshwari<br>Dr. S Meenaketan | BPCL                                                                       | Scalable Petcoke-Derived Graphene Heterostructures for High-Performance Room-Temperature Hydrogen Sulfide (H <sub>2</sub> S) Gas Detector                                        |
| 7       | IICG-2026-042 | Dr Ashutosh Kumar<br>Dubey                                           | Indian Institute of Technology (BHU) Varanasi                              | Development of a Highly Selective, Stable, and Scalable 2D-FET Sensing Platform for NO <sub>2</sub> Gas level                                                                    |

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|----|---------------|--------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8  | IICG-2026-048 | Dr. Neetu Prasad         | PhytoLens AI Private Limited                               | Laser-Fabricated Graphene Photonic Chip for AI-Enabled Smartphone-Based Spectral Sensing                                                                                             |
| 9  | IICG-2026-055 | Dr. Tulika Srivastava    | SRM Institute of Science and Technology Ramapuram, Chennai | Development of Graphene-Based Heterojunction Photodetectors for Selective UVA, UVB, and Solar-Blind UVC Detection                                                                    |
| 10 | IICG-2026-057 | Dr. Kailash Chandra Jena | Indian Institute of Technology (IIT), Ropar                | Self-Powered Stretchable Laser-Induced Graphene (LIG) Patch Integrated with Covalent Organic Frameworks (COFs) for Direct Conductive Sweat Monitoring of Organophosphate Pesticides. |
| 11 | IICG-2026-051 | Dr. M. Shunmugathammal   | SRM Institute of Science and Technology Ramapuram, Chennai | GraFlex-ANC: Fabrication of Graphene-Based Flexible Piezoelectric Transducers for Active Noise-Cancelling Earbuds in MRI Patients                                                    |

Annexure – II  
List of **Not Selected** Proposals for Grant Challenge

| Sr. No. | Proposal ID   | Applicant/PI Name         | Organization/Institute                                            | Project Title                                                                                                                                            |
|---------|---------------|---------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | IICG-2026-040 | Dr. Kamal Kishor Upadhyay | Manipal University Jaipur                                         | Design for Graphene based Omnidirectional Radiation Arrays for Sub-6GHz Antenna Application.                                                             |
| 2       | IICG-2026-046 | Dr. E. Durgadevi          | SRM Institute of Science and Technology (SRMIST)                  | Design and Demonstration of a Universal 2D-FET Test-Chip Platform with Contact-Selective, Thermally Cross-Linked Amine-Polymer Engineering               |
| 3       | IICG-2026-012 | Dr. Sunil Mahajan         | MAEER's MIT Arts, Commerce and Science College, Alandi (D.), Pune | Development of an Active Noise Cancellation (ANC) System with Graphene-based Flexible Piezo-Transducer Films                                             |
| 4       | IICG-2026-053 | K. Lalitha                | SRM Institute of Science and Technology Ramapuram, Chennai        | Development of Smart Helmet using Active Noise Cancellation (ANC) System with Graphene based Flexible Piezo-Transducer Films for Fighter Aircraft Pilot. |