

IIC JU Seed Fund Support

Financial assistance every year to Innovation, start-ups for proof of concept, prototype development, product trials, market entry, and commercialization

SEED SUPPORT GRANT OFFERED IN FINANCIAL YEAR 2022-23		
Sl. No	Student Team Leader Name & Mentor	Project Details
1	Anand Swaroop Gupta & Team /Dr.Tapan giri	Development of a Cost effective device to remove pus from diabetic foot ulcers
2	Bhaswar Nandi/Prof.Biswadip Das	Construction of Yeast Biosensor capable of detection of trace quantity
3	Ishita Saha/Prof.Parimal Karmakar	Fabrication process of poly herbal extract encapsulated mucilage.....
4	Pallobi Dutta & Team /Dr.Tapan giri	Development of Herbal Keratolytic Bandage of Healing of cracked heels
5	Saumendra Nath Mishra & Team /Prof.Achinta Mukhopadhyay	Online Battery Health Monitoring system for EV
6	Sayantanu Mandal/Prof Kajari Kargupta	Solar Based Green Hydrogen Generator
7	Sounak Banerjee & Team /Prof. Sarbani Roy	AN IoT Cloud System for Context aware sensing
8	Sourav Dey & Team /Dr.Tapan giri	Development of Instant Milk Tea Tablet
9	Himopravo Chowdhury & Team /Prof.Sayan Chatterjee	Design & Development of a Human Body Identifying Drone
10	Swarnava Rakshit & Team /Dr,Pranibesh Mandal	Portable Operation Theater

SEED GRANT SUPPORT OFFERED IN FINANCIAL YEAR 2023-24

Sl. No	Student Team Leader Name & Mentor	Project Details
1	Prasenjit Kapash/Prof.Asish Paul	Effect of Yogic Intervention on Ankylosing Spondylitis
2	Monoshwi Bandyopadhyay & Team /Dr.Dipesh Majumder	Ultra High Performance Concrete a greener alternative to Modern concrete
3	Prahar Sarkar & Team /Prof. Swarnendu Sen & Dr. Pranibesh Mandal	Solar Powered portable refrigerator unit
4	Pritam Mitra & Team /Dr.Sourav Sarkar	Enhancing Solar Panel Efficiency with Autonomous Cooling & Cleaning system
5	Sayan Tripathi & Team /Prof. Jaydeb Bhounik	AI & IoT based Smart & Intelligent Remote Health Monitoring System
6	Gouri Sankar Patra / Prof. Soumya Sarkar	Low Cost EDM Machine
7	Srishti Mridha / Dr. Abial Tamang & Dr. Brajadulal Chattopadhyay	Piezoelectric Quantum Dot Band
8	Saifuddin SK & Team / Prof. Sheli Sinha Choudhuri	IoT Based Water Health Monitoring system

SEED GRANT SUPPORT OFFERED IN FINANCIAL YEAR 2024-25		
Sl. No	Student Team Leader Name & Mentor	Project Details
1	Adrija Mukherjee & Team / Prof. Sarbani Roy	An AI-powered Drone based System for Identifying for Building Exterior Defects
2	Snehaneel Maitra & Team / Dr.Manash Bhowmik	Designing an Instant ORS Bottle
3	Debjit Ghosh & Team / Dr.Sanjib Kumar Saren	3D Object Photo Copy Machine Fabrication of Low-Cost 3D Printer for Fostering Additive Manufacturing Technology for householder's
4	Priyabrata Maity & Team/ Prof. Joydeep Chowdhury	Design Of Sers Active Substrates As Lab On Chips In Langmuir-Blodgett Films For Rapid Detection Of Adulterant Melamine At Trace Concentration In Milk And Dairy Products
5	Suparna Ghosh & Team /Prof.Pallab Kanti Halder	Development of herbal ointment for the management of wound
6	Arnab Kundu / Prof. Biswadip Das	Construction of an engineered yeast strain capable of remediate arsenate and arsenate from contaminated ground water
7	Tushti Thakur & Team / Prof. Chandreyee Chowdhury	A Fault-Tolerant Autonomous Mini-Rover System for Agricultural Surveillance, Localization and Drought Prediction using SLAM
8	Deepayan Mandal / Dr. Pranibesh Mandal (JU 1968 ME Alumni Donation)	Benchtop 3D Printer's filaments Recycler

SEED SUPPORT GRANT OFFERED IN FINANCIAL YEAR 2025-26		
Sl. No	Student Team Leader Name & Mentor	Project Details
1	Kushaj Mallick & Team / Prof. Nirmay Modak	NIROGYA – Non-invasive Integrated Reflectance Optics for Guided Yield of Anaemia
2	Chandra Prakash Yadav & Team / Dr.Pranibesh Mandal	Efficient Rice Sowing Machine with Enhanced Four-Bar Mechanism for Precision Seed Placement
3	Sounak Bose & Team/ Dr. Prolay Sharma	Quality Estimation of Indian Saffron using Gas Sensor and Image Processing with IoT Integration
4	Sayan Kumar Bag & Team / Dr.Arunabha Thakur	Naphthalenediimide with Diarylethene-Based Photoswitching Materials: Applications in Controlled Singlet Oxygen Generation for Photodynamic Therapy
5	Mousom Roy / Prof. Kalyan Kumar Chattopadhyay & Dr. Sudeshna Saha	Development of a Low-Cost, High-Precision 3-Omega Thermal Conductivity Measurement System for Advanced Material Characterization
6	Sayantan Ghosh & Team/ Prof. Achintya Mukhopadhyay	Zero Emission Sub-Ambient Radiative Cooling for the Automobile Industry
7	Rishob Mondal & Team / Dr. Shilpi Naskar	Eco-Friendly and Cost-Effective Conductive ChitoInk & ChitoCoat Manufacturing
8	Ayush Keshari & Team / Dr.Arpitam Chatterjee & Dr. Shilpi Naskar	PrintMate
9	Arkabrata das & Team / Prof. Achintya Mukhopadhyay & Dr.Sourav Sarkar (JU 1968 ME Alumni Donation)	Advanced Scalp Cooling Helmet using PCM for Cancer Patients
10	Moni Mahan nandi & Team /Dr. Suman Kalyan Das & Dr. Pranibesh Mandal (JU 1968 ME Alumni Donation)	Innovative Drainage Blockage Removal Mechanism (₹8000 for this project)
11	Shreyan Mukherjee & Team /Prof. Soumya Sarkar & Prof. Rajib Bandyopadhyay (JU 1984 ETCE Alumni Shri Sudip Mukhopadhyay)	Laser Printed Raised Surface Project for Blind People



JADAVPUR UNIVERSITY

INSTITUTION'S INNOVATION COUNCIL

KOLKATA 700 032, INDIA

Selected Projects for Seed Grant 2026-27

SL NO.	REF NO.	PROJECT NAME & MENTOR DETAILS	LEAD STUDENT / SCHOLAR NAME
01	IIC/SG/2026-27/01	Synthesis...Super capacitors - Dr. Asamanjoy Bhunia (Department of Chemistry)	Arijit Maity & Team
02	IIC/SG/2026-27/02	“BioPlus - Thermo-Responsive...Agricultural Mulching” - Dr. Ranjana Das (Department of Chemical Engineering)	Chirodeep Karmakar & Team
03	IIC/SG/2026-27/03	GridWise - Prof. Prithwiraj Purkait (Department of Power Engineering)	Hritaban Goswami & Team
04	IIC/SG/2026-27/04	Crickdemy-AI - Prof. Asish Paul (Department of Physical Education)	Santanu Pal & Team
05	IIC/SG/2026-27/05	Carbon Quantum Dot...Pesticide Residues in Tea Leaves - Prof. (Dr.) Proloy Sharma (Department of Instrumentation & Electronics Engineering)	Pimpa Karar & Team
06	IIC/SG/2026-27/06	Development of IoT Enabled Multi Sensor QCM...Breath Monitoring - Prof. Runu Banerjee Roy (Department of Instrumentation & Electronics Engineering)	Srijeet Mukherjee & Team
07	IIC/SG/2026-27/07	Carboxymethyl Alginate/Sodium...Characterization and In Vitro In Vivo Evaluation - Dr. Sanchita Mandal (Department of Pharmaceutical Technology)	Dhiman Roy & Team
01	IIC/SG/ME/2026-27/01 From 1968 ME Donation	Development of a Hydraulic Port Protection...for Coal Mining and Earth-Moving Machinery - Dr. Priyankar Datta (Department of Mechanical Engineering)	Biplab Dey & Team
02	IIC/SG/ME/2026-27/02 From 1968 ME Donation	Development of a Portable and Smart Electromyography (EMG) Setup for Muscle Force Measurement of Workers- Prof. Abhijit Chanda (Department of Mechanical Engineering)	Kaulik Das & Team
03	IIC/SG/ME/2026-27/03 From 1968 ME Donation	Bionics Inspired Ornithopter- Dr. Sourav Sarkar (Department of Mechanical Engineering)	Sibsankar Mondal & Team