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The National Institute of Engineering

Centre for Research and Development (NIE-CRD)

July 10, 2025

NIE-CRD Accepted Projects under NIE RPS for Faculty/Ph.D. Scholar 2025-26

The following project proposals are accepted Under NIE RPS for Faculty [2025-26] all the recipients are requested to initiate the project work immediately and adhere to the guidelines provided in the circular dated May 20, 2025.

Sl. No.	Title of the Project	Faculty	Project Code	Sanctioned Budget (Rs.)
1	Design and Synthesis of thioamide bioactive compounds: Crystal structures, quantum simulation and mechanistic studies through docking as multi-target inhibitors of anti-cancer and cytotoxicity	Dr.S.Doreswamy	RPS/Faculty/Phy/01	75,000/-
2	Synthesis, Characterization and Non-linear Optical Properties of Organic and Inorganic Compounds	Dr. Neetha S	RPS/Faculty/Phy/02	75,000/-
3	Novel pyridine-thiadiazine derivatives potentials apoptosis via inactivation of STAT3 by targeting JAK2 to overcome chemo-resistance in bone marrow cancer: A study based on experimental and theoretical results	Dr. Vinay Kumar D C-PI Dr. Neetha S- Co-PI	RPS/Faculty/Phy/03	75,000/-
4	Green Synthesis of Zinc Bismuth Oxide nano-particles using Tinospora Cordifolia Extract as Fuel and Exploring their Photo catalytic Applications	Dr. P Paramesawara- Guide Ms. Shivaganga G S- Ph.D. Scholar	RPS/Ph.D. Scholar/Phy/01	50,000/-
5	Eco-friendly Fabrication of Nickel Ferrite Nanoparticles: A Dual Functional Approach for Photocatalytic Degradation and Electrochemical Sensing	Dr. Chandra- Guide Mr. Sunil Kumar K C- Ph.D. Scholar	RPS/Ph.D. Scholar/Phy/02	50,000/-
6	Sustainable Synthesis of Cuprous Bismuth Oxide via Coleus amboinicus Extract for advanced Photocatalytic and Sensing Technologies	Dr. Lakshmi Ranganatha V	RPS/Faculty/Chem/01	75,000/-
7	Design and development of self-powered economical tribo-electric indoor air purifier for particulate matter removal	Dr. Sangamesha M A	RPS/Faculty/Chem/02	75,000/-



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8	Green Combustion Synthesis of ZnSnO ₃ Nanoparticles for photo catalytic degradation of methylene blue	Dr. Mallikarjunaswamy C	RPS/Faculty/Chem/03	75,000/-
9	Design Analysis and Optimization of the Optical Sensor for the Detection of Sample Adulteration	Dr. Sharath Chandra N	RPS/Faculty/ME/01	75,000/-
10	Green Alternatives: Development and Testing of Bio-Based Lubricants for Vehicles	Dr. Anand A	RPS/Faculty/ME/02	75,000/-
11	Hybrid thermoelectric and phase change material based thermal management system for electric vehicle battery packs	Dr. Harshavardhan B.	RPS/Faculty/ME/03	75,000/-
12	Experimental Investigation of Fatigue Behaviour of 3D Printed Polymer Composite Materials	Dr. Imran M. Jamadar-Guide Mr. Santhosh K G- Ph.D. Scholar	RPS/Ph.D. Scholar/Mech/01	50,000/-
13	Investigation on dimensional stability of 3D printed polymer composites using laser scanning method	Dr. K.R.Prakash-Guide Mrs. Sriraksha-Ph.D. Scholar	RPS/Ph.D. Scholar/Mech/01	50,000/-
14	Follow-Me-Robot	Dr. Anand Srivatsa	RPS/Faculty/ECE/01	40,000/-
15	Autonomous Underground Swarm Robot	Dr. Shashidhara H R	RPS/Faculty/ECE/02	75,000/-

Total amount sanctioned towards Projects Under NIE RPS for Faculty/Ph.D. Scholar 2025-26 is Rs. Nine Lakh Ninety Thousand only [9,90,000/-]


Dr. Imran M. Jamadar,
Dean (R&D)


Dr. Rohini Nagapadma,
Principal
PRINCIPAL
The National Institute of Engineering
MYSURU-570008

CC-

1. Account Section for release of 50% advance amount to the recipients to initiate the project work.
2. Recipient faculties and research scholars for information and necessary action.
3. Vice Principal / Dean (AA)/CoE/Dean (P&I)/Head-IQAC
4. HoD's of CIV/ MEC / IPE /EEE / ECE/ CSE /ISE / MCA / PHY / CHE / MAT