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The National Institute of Engineering

Centre for Research and Development (NIE-CRD)

Oct.24, 2025

NIE-CRD Accepted Projects under NIE RPS for UG Student Projects 2025-26

The following project proposals are accepted Under NIE RPS for UG Student Projects [2025-26] all the recipients are requested to initiate the project work immediately and adhere to the guidelines provided in the circular dated Sept. 03, 2025.

Sl. No.	Title of the Project	Faculty Guide	UG Student	Project Code	Sanctioned Budget (Rs.)
1	Design & Validation of Model Predictive Control (MPC) Based Flight Controller Using STM32	Dr. Anand Srivatsa	1. Sanmith R Rao 2. Nutan Ganesh H 3. MD Reyan 4. Disha N Bhushana	Student/ECE/01	20,000/-
2	FinVision AI; An AI powered Financial Risk Management Platform	Dr. Naveen S Pagad	1. Adithya S.	Student/CSE/02	20,000/-
3	Parking Lot Occupancy Management System- From Prototype to Deployment	Dr. Mayura Tapkire	1. Deepankar Gupta 2. Hemanth C S	Student/ISE/03	15,000/-
4	Bio cementation of Weak Soils using Bacillus Subtilis: A Bio-based Solution	Dr. Punith B Kotagi	1. Devika K S 2. Harsha G M 3. Ankitha 4. Karthik C K	Student/CVE/04	11,000/-
5	Railway Track Crack and Object Detection Using Solar Panel	Dr. Vijay B T	1. Naveen K 2. R Abhishek 3. Mohan H M 4. Abdul Awaiz	Student/ECE/05	10,000/-
6	Design and development of baby pellet extruder for 3D Printer	Dr. Suresh Kumar S	Hemath Kumar M K K Akash Chirag M R Sahil Anosh Gavitt	Student/MECH/06	20,000/-
7	Development of hybrid polymer based nanocomposite materials for energy harvesting applications	Mr. Ravikiran	Sudhir Ullagaddi Poorvith P G Vinay P Punith T G	Student/MECH/07	20,000/-



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8	Development of a cost effective desktop recycled polymer filament extruder for sustainable 3D Printing	Dr. Anand A	Mohammed Tariq Azeez Mohammed Rayan Mohammed Suhan Mohammed Muaaz	Student/MECH/08	20,000/-
9	Autonomous speed reduction system	Dr. Hemanth R	Johnson Mendonca Gowtham HM Abhishek V Himavad Kumar K	Student/MECH/09	20,000/-

Total amount sanctioned towards Projects under NIE RPS for UG Students 2025-26 is Rs. One Lakh Fifty Six Thousand [1, 56,000/-]

Dean (R&D)

Principal

The National Institute of Engineering
Warananasi, Bangalore

To,

1. Recipient Students/Faculty Guide for execution and necessary action.
2. Vice Principal / Dean (AA)/CoE/Dean (P&I)/Head-IQAC
3. HoD of CIV/ MEC / IPE /EEE / ECE/ CSE /ISE / MCA / PHY / CHE / MAT