

Product Development

Faculty members contribute towards the product development through various funding agencies, Industrial consultancy and Institutional Internal funding. Details of the product development by faculty are as follows:

Table 1: Details of Product Development

Sr.No	Details of the Product	Faculty Developer,	Funding agencies	Application, Intended user
1	Solar Powered Eggs incubator with battery backup	Dr.(Mrs) P.V. Kapoor 2022-23, (Rs.1,00,000/-)	Unnat Bharat Abhiyan	Poultry Farming
2	MODBUS compliant controller and monitor for Conveyer line motors.	Dr. U. B. Mujumdar (Rs.88,900/-)	Consultancy for Anix Electronics, Nagpur	Industry Application M/S Mahindra& Mahindra Limited, Nagpur
3	Design of high accuracy automatic Electromagnetic feeder.	Dr. G. N. Goyal (Rs.2,69,800/-)	RGSTC, Government of Maharashtra	Industry application M/S Sensors and Signals, Nagpur
4	Earth Leakage Circuit Breaker Test Bench	Dr.U.B. Mujumdar (Rs.2,53,500/-)	RGSTC-TIFAC, Govt. of Maharashtra	Industrial Application M/S Automation Control, Nagpur

Installation of Solar Powered Eggs Incubator at Muradpur

(Unnat Bharat Abhiyan Project)

The project developed under the grant from Unnat Bharat Abhiyan, Ministry of Education, Govt of India has been successfully deployed at village Muradpur, Umred Tehsil, Nagpur on 19th Nov. 2022. Muradpur is a village adopted by the institution under the UBA scheme

Dr.(Mrs) Preeti Kapoor has received a grant of for the project Rs. 1,00,000 /- for “Development of Solar Powered Eggs Incubator with Battery backup for Backyard Poultry Farming” under the Technology Development scheme of Unnat Bharat Abhiyan 2.0. In this project a solar powered Eggs incubator with battery backup facility has been developed. The full functional incubator has capacity to incubate 82 eggs and provision to maintain required

temperature and eggs rolling. The principal investigator of the project is Dr. (Mrs) P.V. Kapoor and the team includes faculty members Dr. U.B. Mujumdar. Gaurav Goyal and Dr. Chandan Vichoray (UBA coordinator) along with the final year students. The work is carried out in Energy Research Centre, Electrical Department.



Photograph of Eggs Incubator, Project team and the beneficiary