

Activities of RDC (Research and Development cell)

Constituted as per UGC guidelines

- Conduction of seminars on Research Methodology and recent advancements in Research in Various fields
- Institutional Research project

Ongoing Institutional Research Project 2024-25: Grant allocated : 30,000/- per project (Science) and Rs. 20,000 per project (Humanities)

Total proposals submitted : 26 Projects sanctioned : 14 (2024-25)

| SL | Name of Researchers | Title |
|----|---------------------------------|--|
| 1 | Snigdha Sahu, Dr. Rupa Dasgupta | Community Nutrition Status Assessment of Sea Fish Consuming Population in the Coastal Areas of Purba Medinipur, West Bengal |
| 2 | Swati Bhunia | Impact Iron- Folic Acid Tablet Supplementation on School Going Adolescence Girl in Debra Block of Paschim Medinipur and Awareness Generation Through KAP Model |
| 3 | Pallabi Maity | Assessment of Different Health Issues on Post Covid Patient |

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| 4 | Kartik Chandra Guchhait | Isolation of Common Diarrheal Agent from Contaminated Water at Debra Block, West Bengal. |
| 5 | Subhankar Manna, Bishal Das, Sumana Paul | Comparative studies on Psychophysiological stress and nutritional health status between Tribal and Non-tribal male college students. |
| 6 | Arindam Das | Analysis of Anti- Amyloidogenic properties of a selected vegetable through Spectroscopic and Microscopic Methods |
| 7 | Prasanta Dutta, Amita Samanta Adhya | A Heuristic with Clustering-Routing Approach for an IOT Based Smart Water Management System in Urban Area |
| 8 | Maitreyee Panda | Unprecedented Synthetic routes to N-fused heterocycles: Photophysical and Biological Studies |
| 9 | Dr. Sujata Bhowmick | Study Regarding Awareness of Food Labels on Packaged Food and Drinks among Undergraduate Students and an Approach for its Improvement through Knowledge Attitude Practice (KAP) Upgradation. |
| 10 | Rakesh Paul | Early Plant Disease Detection and Yield Prediction: A Deep Learning Approach for Large-scale Precision Agriculture |
| 11 | Bholanath Das, Arjita Raj | Documentation and Analysis of Environmental Sustainability and Rural Resilience Among Select Indigenous Women in Paschim Medinipur: A Study |
| 12 | Dr. Arpita Tripathi | Debra Block Anchaler Mandir O Masjid Samuha: Ekti Puratatwik Samiksha |
| 13 | Dr. Gabinda Das | Charak Samhitar Ahar Paddhati- Ekti Samiksha |
| 14 | Dr. Sanjukta Sahoo | Digital Literacy among the Older Adults: A Case Study |

Proposals Submitted to different funding agencies (2024-2025)

1. Equitable and Inclusive Society, Senior Citizen and Vulnerable Sections (Title of the research: Situation and problems concerning aged people's security in both Rural and Urban areas in Midnapur districts: A case study) by Dr. Sanjukta Sahoo, Librarian to ICSSR in 2024.
2. A Survey of Santali Dialect in Paschim Medinipur and Jhargram to ICSSR in 2024 by Dr. Biplab Dutta, Assistant Professor in Bengali.
3. Health status scenario of mother and child community at rural sectors of south Bengal's: A meta-analysis study. Submitted to DBT by Dr. Barnali Das, SACT, Department of BMLT in 2024.
4. Self-Helling and Self-realisation: Integrating sankhya – yoga and Nyaya – Vaisesika Perspectives within the Ayurvedic knowledge system. Minor research proposal submitted by Dr. Gobinda Das, Assistant Professor of Sanskrit to ICSSR on 23rd October 2024

Research Projects

| | Title | Agency | Period | Grant/Amount mobilized (Rs. lakh) | PI / Co-PI |
|----|--|---|------------------|--|-------------------|
| 1. | Ecotoxicological and Biochemical Techniques in the bioassay of Insecticide Pollution in Agrecosystems using epigeic oligochaete fauna. (Completed) | UGC-Minor | 2008-10 | 75,000/- | Co-PI |
| 2. | Studies on the usefulness of some physiological, histological and biochemical parameters of selected species of epigeic earthworm in the biomonitoring of pesticide pollution in agroecosystems. (Completed) | UGC-Major | 2012-2016 | 9,85,800/- | Co-PI |
| 3. | Studies on the susceptibility of selected species of epigeic earthworms to pesticide pollution in agroecosystems. (Completed) | UGC-Minor | 2013-2015 | 1,98,000/- | PI |
| 4. | Effect of extract of cucumber and ...on hyperlipidimia in rats. (Completed) | DST-DISHA | 2014-2016 | 3,85,000/- | PI |
| 5. | Assessing the solid waste handling system in Midnapore Municipality: A step towards better Management (Completed) | Science & Tehcnology and Biotechnology Government of West Bengal (Co PI) | 2019-2023 | 14,25,000 | Co-PI |