

THE RESEARCH AND DEVELOPMENT CELL (RDC)
HANDIQUE GIRLS' COLLEGE, GUWAHATI
(REPORTS OF ACTIVITIES DONE FROM JULY 2023 TO JUNE 2024)

1. **Reconstitution and Formation of the RDC**

The Research and Development Cell (RDC), formerly known as the Research Cell, was reconstituted on [date] in accordance with the National Education Policy (NEP-2020). The reconstituted RDC now comprises a Research Advisory Committee (RAC) and four subcommittees as per the following details:



Dr. Ranjit Sarma, M.Sc., M. Phil, Ph.D.
Principal-cum-Secretary

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HANDIQUE GIRLS' COLLEGE
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Ref. No. : HGC/RES.T.T./2024/02/3145

Date : 16/03/2024.....

NOTICE

The Research and Development Cell (RDC) has been reconstituted following the guidelines of NEP-2020, superseding all previous office orders.

Research Advisory Council (RAC)

Chairman	: Principal, Handique Girls' College.
Member 1	: Prof. Biplab Mondal, IIT, Guwahati.
Member 2	: Prof. Arupjyoti Saikia, IIT, Guwahati
Member 3	: Prof. Bibhash Choudhury, Gauhati University.
Member 4	: Prof. Probodh Borah, Assam Agriculture University, Guwahati.
Convenor/Director	: Dr. Akhtar Hussain, Dept. of Chemistry, Handique Girls' College.

Members and their subcommittees :

	Activity	Members
Sub-Committee-1 (Chaired by Dr. Bedabrat Saikia)	Finance & Infrastructure	1. Dr. Jayashree Chowdhury 2. Dr. Rekhamoni Devi. 3. Dr. Anuradha Kalita
Sub-Committee-2 (Chaired by Dr. Uday Sankar Senapati)	Research programme and Policy Development	1. Dr. Dipjyoti Haloi. 2. Dr. Innifa Hasan. 3. Dr. Anup Choudhury
Sub-Committee-3 (Chaired by Dr. Kishore Dutta)	Collaboration and Community	1. Dr. Bhuban Ch. Talukdar. 2. Dr. Pranab Bujarbarua 3. Dr. Pallavi Deka
Sub-Committee-4 (Chaired by Dr. Kandarpa Phukan)	Product Development, Monitoring, Commercialization	1. Dr. Santasree M. Bhuyan 2. Dr. Nabajyoti Das. 3. Dr. Anupra Das 4. Dr. Jintumoni Neog.
Sub-Committee-5 (Chaired by Dr. Krishna Das)	IPR, Legal and Ethical Matters	1. Dr. Eva Rani Kalita. 2. Dr. Binoy Kr. Nath 3. Dr. Purabi Goswami

Ranjan
Principal
Handique Girls' College
Guwahati

Copy for information & necessary action to :

1. Concerned Persons.
2. Co-ordinator, IQAC.
3. Office file.

2. **Lecture by Prof. Bibhash Choudhury**

On December 5, 2023, Prof. Bibhash Choudhury from the Department of English, Gauhati University, delivered a lecture on [topic].



3. **NIRF and Vidwan Committee**

The NIRF and Vidwan committee has been reconstituted with the following members.

- (a) Dr Akhtar Hussain, Convenor
- (b) Dr. Anup Choudhury, Member
- (c) Dr. Nitushmita Bhattacharyya, Member

4. **Launch of the ISRG Scheme and Call for Proposals**

The college has launched the ambitious Institution Seed Research Grant (ISRG) scheme to encourage faculty members to undertake innovative research projects. As the first call, proposals were invited from faculty members comprising all subjects. A total of eight proposals were received in response to the call.

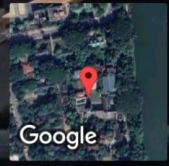
5. **Approval of Research Projects**

The submitted proposals were sent out for peer review by experts in the fields. During the meeting of the Research Advisory Committee (RAC) held on 28.05. 2024, the review reports were taken into consideration and based on the review report and presentation, four out of eight received project proposals were approved. A total of NIR 1 lakh was granted to the investigators (one lakh each) for two years.



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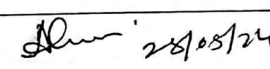
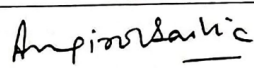
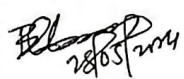
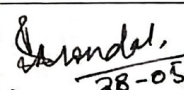
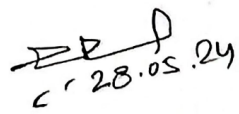
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Handique Girls' College
Research and Development Cell

PROCEEDINGS OF THE MEETING OF THE SELECTION COMMITTEE

In the meeting of the Selection Committee for the final selection of the proposals for funding under the TSLP/ISRG schemes of the Research and Development Cell of Handique Girls' College, Guwahati, the following Selection Committee set up to make final recommendations on the above-mentioned proposals for funding met on 28th May, 2024 at 11.00 AM at the Handique Girls' College.

Sl No	Panelists present	Signature
1.	Dr. Ranjit Sarma Principal, Handique Girls' College, Guwahati	
2.	Dr. Akhtar Hussain Convenor, RDC, Handique Girls' College, Guwahati	 28/05/24
3.	Prof. Arupjyoti Saikia RAC member Department of Humanities and Social Sciences Indian Institute of Technology, Guwahati	
4.	Prof. Bibhash Choudhury RAC member Department of English Gauhati University, Guwahati	 28/05/24
5	Prof. Biplab Mondal RAC member Department of Chemistry Indian Institute of Technology, Guwahati	 28-05-2024
6	Prof. Probodh Borah RAC member Director of Research (Veterinary) Assam Agricultural University, Guwahati	 28.05.24

In response to the communication by RDC, the following Principal Investigators appeared for the presentation:

1. Dr. Kandarpa Phukan
2. Dr Anup Choudhury (ISRG and TSLP)
3. Dr Bedabrat Saikia
4. Dr Abhinit Dey
5. Dr Purabi Goswami
6. Dr Bapan Saha (ISRG and TSLP)
7. Dr Pallabi Mali


The proposals were evaluated and based on the external peer review scores obtained and the performance/personal interaction of the PI with the panelists during the presentation and other important but relevant parameters, the committee's final recommendation of the funding proposals are the following for the 2024 cycle:

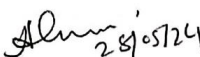
ISRG Proposals 2024

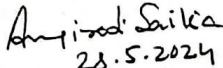
File No	Name of PI	Proposal Title	Recommendation
ISRG/24/01	Dr Kandarpa Phukan	Bio-inspired Supercapacitors: Muga Nanosilk and Betel Nut Nanocellulose in Hybrid Polyaniline Composites	Recommended
ISRG/24/02	Dr Anup Choudhury	Development of Electric-field Modulated Chiral Multifunctional Magnetic Materials	Recommended for funding after suggested revision
ISRG/24/03	Dr Bedabarat Saikia	A Study on the Handcrafted Traditional Assamese Jewellery Industry in Assam	Recommended for funding after suggested revision
ISRG/24/05	Dr Purabi Goswami	The Evolving Trends In Assamese Nagara Naam in Selected Districts in Lower Assam: A Study of its Socio-Cultural Significance	Recommended


TSLP Proposals 2024


File No	Name of PI	Proposal Title	Recommendation
TSLP/24/02	Dr Bapan Saha	Electric field modulated interaction of CO and CO ₂ with functional molecules via physisorption: A DFT intuition	Recommended



(1) (Dr. Ranjit Sarma)
(Principal)


(2) (Dr. Akhtar Hussain)
(Convener, RDC)


(3) (Prof. Arupjyoti Saikia)
(RAC member)


(4) (Prof. Bibhash Choudhury)
(RAC member)


(5) (Prof. Biplab Mondal)
(RAC member)


(6) Prof. Probodh Borah
(RAC member)

6. TSLP: Received Proposals

Proposals under the regular Teacher-Led Student Project (TSLP) Scheme for the year 2024 were invited. One out of two received proposals was granted under the TSLP based on the RAC members' peer review and presentation scores. An amount of INR 25000.00 was sanctioned to the investigator.

7. Progress Evaluation Report for TSLP Projects

The progress of ongoing TSLP projects (2023) was evaluated on June 15, 2024. The progress was found to be satisfactory, and the investigators were requested to submit a final report on the completed projects along with the utilization certificates.

