

Minutes of the 19th Meeting of the Faculty Board, Faculty of Science and Engineering held on 19.03.2024 at 11:00 am at Chintan, Dibrugarh University

The following persons were present in the meeting:

1	Prof. S.C. Kakaty	Dean and Chairperson, Faculty Board, Faculty of Science and Engineering	Chairperson
2	Prof. D. Chetia	Dean, R & D, D.U.	Member
3	Prof. P. K. Saikia	Dept. of Physics	Member
4	Prof. U. D. Goswami	Dept. of Physics	Member
5	Prof. P. Dutta	Dept. of Physics	Member
6	Prof. P. N. Deka	Dept. of Mathematics	Member
7	Prof. Ankur Bharali	Dept. of Mathematics	Member
8	Prof. S. Borkotokey	Dept. of Mathematics	Member
9	Prof. N. K. Gogoi	Dept. of Anthropology	Member
10	Prof. M.K. Das	Dept. of Pharmaceutical Sciences	Member
11	Prof. B.B. Kakoti	Dept. of Pharmaceutical Sciences	Member
12	Prof. Aparoop Das	Dept. of Pharmaceutical Sciences	Member
13	Dr. K. Zaman	Dept. of Pharmaceutical Sciences	Member
14	Dr. N. Baruah	Dept. of Computer Science and Engineering, DUIET	Member
15	Chairperson, DRC in Elect. Engg.	Jorhat Engineering College	Member
16	Shri Arinjit Hazarika	Deputy Registrar (Academic)	Secretary

The Chairperson, Professor S.C. Kakaty, Dean, Faculty of Science and Engineering extended a warm welcome to the members present in the 19th Meeting of the Faculty Board, Faculty of Science and Engineering and requested the Secretary to take up the agenda for discussion.

Item No. (1): Confirmation of the minutes of the 18th meeting of Faculty Board, Faculty of Science and Engineering, Dibrugarh University held on 21.12.2023.

Discussion: The minutes of the **18th meeting** of the Faculty Board, Faculty of Science and Engineering, Dibrugarh University held on 21.12.2023 was placed before the Board for consideration. The members recommended confirmation of the minutes and adopted the following resolution:

Resolution No.01: Resolved that the Minutes of the 18th meeting of the Faculty Board, Faculty of Science and Engineering held on 21.12.2023 be confirmed.

Item No. (2): To consider Ph.D. Registration of the following Research Scholars:

(i)	Privatus Pius	(Physics)
(ii)	Arindam Boruah	(Physics)

(iii)	Rupak Chakraborty	(Physics)
(iv)	Rishab Chakravarty	(Statistics)
(v)	Kalpasree Sharma	(Statistics)
(vi)	Baby Das	(Statistics)
(vii)	Sahista Amrin	(Statistics)
(viii)	Indunesi Saikia	(Mathematics)
(ix)	Tarun Boruah	(Mathematics)
(x)	Ankur Gogoi	(Mathematics)
(xi)	Alakananda Konwar	(Mathematics)
(xii)	Franky Boro	(Anthropology)
(xiii)	Bhaskarjyoti Boro	(Anthropology)
(xiv)	Manosee Kachari	(Anthropology)
(xv)	Alakesh Bharali	(Pharmaceutical Sciences)
(xvi)	Prativa Sahu	(Pharmaceutical Sciences)
(xvii)	Sumit Nanda	(Pharmaceutical Sciences)
(xviii)	Salem Lalvenhimi	(Pharmaceutical Sciences)
(xix)	Dibyajyoti Das	(Pharmaceutical Sciences)
(xx)	Bani Kanta Jana	(Pharmaceutical Sciences)
(xxi)	Akash Sharma	(Pharmaceutical Sciences)
(xxii)	Obaidur Rahman	(Pharmaceutical Sciences)
(xxiii)	Amit Kumar	(Pharmaceutical Sciences)

Discussion: As recommended by the DRCs concerned, the proposal of the above-mentioned candidates requesting for Ph.D. registration were placed before the Faculty Board, Faculty of Science and Engineering for consideration. The Board after discussion found the Research Proposals (Synopsis) of applicants at Sl. No. (i) to (xxi) in order and recommended the same for approval.

However, the Board did not consider the Research Proposals of Obaidur Rahman [Sl. No. (xxii)] and Amit Kumar [Sl. No. (xxiii)] as the Supervisor (s) has not mentioned the names of the Research Scholars in the respective columns of the application forms submitted the Scholars. Hence, the Board suggested to refer back the proposal to the DRC concerned for further necessary action in future.

Resolution No.02: Resolved that the following Research Scholars be allowed for registration for the Ph.D. Degree of Dibrugarh University on the topics as specified under the supervision of the respective Supervisors and with effect from dates shown against their names:

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SI. No.	Name of the Scholar and Department	Name of the Supervisor	Торіс	Date of effect
1	Privatus Pius (Physics)	Prof. U. D. Goswami, Dept. of Physics, D.U.	A STUDY ON ENVIRONMENTAL DEPENDENCE OF GALAXY PROPERTIES	29.02.2024
2	Arindam Boruah (Physics)	Prof. P. K. Saikia, Dept. of Physics, D.U.	A STUDY OF SPIN TRANSPORT IN DIFFERENT MAGNETIC HYBRID STRUCTURES	29.02.2024
3	Rupak Chakrabarty (Physics)	Dr. Chandan Duarah, Assistant Professor, Dept. of Physics, D.U.	STUDIES OF NEUTRINO MASSES AND MIXINGS IN DISCRETE FLAVOUR SYMMETRY MODELS	29.02.2024
4	Rishabh Chakravarty (Statistics)	Dr. Kuldeep Goswami, Assistant Professor, Dept. of Statistics, D.U.	A STATISTICAL ANALYSIS OF TIME SERIES OBSERVATIONS UNDER NEUTROSOPHY APPROACH	26.02.2024
5	Kalpasree Sharma (Statistics)	Dr. Partha Jyoti Hazarika, Assistant Professor, Dept. of Statistics, D.U.	A STUDY ON THEORETICAL DEVELOPMENT OF INFLATED DISTRIBUTION AND ITS APPLICATIONS	27.02.2024
6	Baby Das (Statistics)	Dr. Manash Pratim Barman, Associate Professor, Dept. of Statistics, D.U.	A STATISTICAL INVESTIGATION ON MATERNAL AND CHILD HEALTH OF ASSAM	05.03.2024
7	Sahista Amrin (Statistics)	Dr. Partha Jyoti Hazarika, Assistant Professor, Dept. of Statistics, D.U.	A STUDY ON SOME ASPECTS OF STRESS-STRENGTH RELIABILITY UNDER DISCRETE SETUPS	12.12.2023
8	Indunesi Saikia (Mathematics)	Prof. P.N. Deka, Dept. of Mathematics, D.U.	A STUDY ON HEAT TRANSPORT PHENOMENA IN NON-NEWTONIAN MHD NANOFLUIDS	05.03.2024
9	Tarun Boruah (Mathematics)	Dr. Amitav Doley, Assistant Professor, Dept. of Mathematics, D.H.S.K College, Dibrugarh	EXPLORATION OF SOME TOPOLOGICAL INDICES OF GRAPHS AND DIGRAPHS	05.03.2024
10	Ankur Gogoi (Mathematics)	Prof. S. Borkotokey Dept. of Mathematics, D.U.	A STUDY ON COOPERATIVE SOCIAL CHOICE MODELS	05.03.2024
11	Alakananda Konwar (Mathematics)	Dr. Palash Dutta, Associate Professor, Dept. of Mathematics, D.U.	DECISION MAKING IN SUSTAINABLE DEVELOPMENT ISSUES UNDER EPISTEMIC UNCERTAINTY VIA EXTENDED FUZZY SETS	05.03.2024

Sl. No.	Name of the Scholar and Department	Name of the Supervisor	Торіс	Date of effect
12	Franky Boro (Anthropology)	Dr. G. Kanato Chophy, Assistant Professor, Department of Anthropology, Dibrugarh University	BUDDHISM AND SOCIO- RELIGIOUS IDENTITY: AN ETHNOGRAPHIC STUDY OF THE TAI KHAMTI OF LAKHIMPUR DISTRICT, ASSAM	04.03.2024
13	Bhaskarjyoti Boro (Anthropology)	Dr. G. Kanato Chophy, Assistant Professor, Department of Anthropology, Dibrugarh University	TRADITIONAL HEALTH CARE SYSTEM: AN ANTHROPOLOGICAL STUDY OF THE RANGDANI RABHA AND PATI RABHA OF GOALPARA DISTRICT, ASSAM	04.03.2024
14	Manosee Kachari (Anthropology)	Dr. G. Kanato Chophy, Assistant Professor, Department of Anthropology, Dibrugarh University	ETHNICITY AND IDENTITY: AN ETHNOGRAPHIC STUDY OF THE MISING-KACHARI COMMUNITY OF UPPER ASSAM	04.03.2024
15	Alakesh Bharali (Pharmaceutical Sciences)	Dr. Prakash Rajak, Assistant Professor, Dept. of Pharmaceutical Sciences, D.U.	DESIGN AND DEVELOPMENT OF GREEN SYNTHESIZED CARBON QUANTUM DOTS LOADED NANOFORMULATION FOR THE MANAGEMENT OF ALZHEIMER'S DISEASE	14.03.2024
16	Prativa Sadhu (Pharmaceutical Sciences)	Prof. Dipak Chetia, Dept. of Pharmaceutical Sciences, D.U.	DEVELOPMENT OF HERBAL FORMULATION FOR THE TREATMENT OF VITILIGO: A MECHANISM-BASED APPROACH	14.03.2024
17	Sumit Nanda (Pharmaceutical Sciences)	Prof. Dipak Chetia, Dept. of Pharmaceutical Sciences, D.U.	DEVELOPMENT OF 1,2,4- TRIOXANE-LUTEOLIN HYBRIDS AS NOVEL ANTIMALARIALS	14.03.2024
18	Salem Lalvenhimi (Pharmaceutical Sciences)	Dr. Biman Bhuyan, Assistant Professor, Dept. of Pharmaceutical Sciences, D.U.	PHYTOCHEMICAL AND ANTIMALARIAL EFFICACY EVALUATION OF SOME MEDICINAL PLANTS TRADITIONALLY USED IN MIZORAM	14.03.2024
19	Dibyajyoti Das (Pharmaceutical Sciences)	Prof. Aparoop Das, Dept. of Pharmaceutical Sciences, D.U.	EXPLORATION OF THE THERAPEUTIC POTENTIAL OF XANTHONE DERIVATIVES: THEORETICAL AND EXPERIMENTAL APPROACH	14.03.2024

Sl. No.	Name of the Scholar and Department	Name of the Supervisor	Торіс	Date of effect
20	Bani Kumar Jana (Pharmaceutical Sciences)	Prof. Bhaskar Mazumder, Dept. of Pharmaceutical Sciences, D.U.	ISOLATION, PURIFICATION, CHARACTERIZATION OF Araucaria columnaris (G. Frost) Hook. GUM, AND EVALUATION OF GUM- BASED NEOTERIC NANOCOMPOSITES AGAINST BACTERIAL BIOFILM	14.03.2024
21	Akash Sharma (Pharmaceutical Sciences)(i) Prof. S. K. Ghosh, Dept. of Pharmaceutical Sciences, D.U.(ii) Dr. Hans Raj Bhat, Dept. of Pharmaceutical Sciences, D.U.		DESIGN, SYNTHESIS AND EVALUATION OF SOME SYNTHETIC s-TRIAZINE DERIVATIVES AS POTENTIAL ANTI- ALZHEIMER AGENT	14.03.2024

Item No. (3): To receive quadruplicate copies of Abstracts and Panel of Examiners of the following Ph.D. Scholars:

Sl No.	Name	Date of Registration/ Re-registration
1	Rituparna Hazarika (Physics)	17.03.2021
2	Naina Purkayastha (Statistics)	18.09.2019
3	Devangi Hazarika Singha (Statistics)	18.09.2019
4	Shiva Rao (Mathematics)	21.12.2021
5	Bishnu Ram Das (Mathematics)	27.09.2021
6	Niharika Kakoty (Mathematics)	17.12.2019
7	Bornali Saikia (Mathematics)	12.03.2020
8	Jhorna Borah (Chemistry)	13.06.2019
9	Angkita Hazarika (Atmospheric Studies)	18.06.2019
10	Kakoli Goswami (JEC)	24.06.2019
11	Manish Shankar Kaushik (JEC)	24.06.2019

Discussion: As recommended by the DRCs concerned the quadruplicate copies of the Abstracts and Panels of Examiners of the above-mentioned Research Scholars were placed before the Faculty Board, Faculty of Science and Engineering for consideration. The Board found the documents of the applicants at Sl. No. 1 to 7 and 9 to 11 in order and accepted for further necessary action. However, the Board did not consider the Ph.D. abstract submitted by Ms. Jhorna Borah (Sl No. 8) as the details of the Progress Seminars presented by the Scholar were not found along with the abstract. Hence, the Board suggested to refer back the Ph.D. abstract to the DRC concerned for further necessary action in future.

Resolution No.03: Resolved that the Abstracts of the Ph.D. theses and the Panels of Examiners of the following Ph.D. scholars be accepted and the scholars be allowed to submit their Ph.D. Theses within four months from the issue of the acceptance letter or expiry of their date of Ph.D. registration, whichever is earlier.

Sl. No.	Name of the Scholars	Name of the Supervisors	Department/Centre
1	Rituparna Hazarika	Dr. Bulumoni Kalita, Dept. of Physics, D.U.	Physics
2	Naina Purkayastha	<i>Prof. Jiten Hazarika, Dept. of Statistics, D.U.</i>	Statistics
3	Devangi Hazarika Singha	Prof. Sarat Ch. Kakaty, Dept. of Statistics, D.U.	Statistics
4	Shiva Rao	Prof. P. N. Deka, Dept. of Mathematics, D.U.	Mathematics
5	Bishnu Ram Das	Prof. P. N. Deka, Dept. of Mathematics, D.U.	Mathematics
6	Niharika Kakoty	Prof. Surajit Borkotoky, Dept. of Mathematics, D.U.	Mathematics
7	Bornali Saikia	Dr. Palash Dutta, Dept. Of Mathematics, D.U.	Mathematics
8	Angkita Hazarika	 (i) Prof. Kalyan Bhuyan, Dept. of Physics, D.U. (ii) Dr. Arup Borgohain, Scientist-E, NESAC, Umium, Meghalaya 	Atmospheric Studies
9	Kakoli Goswami	Prof. Aditya Bihar Kandali, Dept. of Electrical Engineering, JEC	JEC
10	Manish Shankar Kaushik	Prof. Aditya Bihar Kandali, Dept. of Electrical Engineering, JEC	JEC

Item No. (4) : To receive Six-mont	thly Progress Reports	of the following Ph.D. Scholars:

SI No.	Department	No. of Report
1	Physics	18
2	Statistics	06
3	Mathematics	17
4	Anthropology	04
5	Pharmaceutical Sciences	14
6	Chemistry	15
7	Atmospheric Studies	03
8	Jorhat Engineering College	03

- **Discussion:** The Secretary placed a consolidated report on the Six-Monthly Progress Reports of the below-mentioned research scholars as forwarded and recommended by the DRCs concerned for the period(s) shown against their names for acceptance. The Board had gone through the reports and found them in order and accordingly recommended for acceptance.
- Resolution No. 04: Resolved that as per recommendation of the DRCs concerned the sixmonthly Progress Reports of the following Ph.D. scholars for the periods shown against their names be accepted.

1	Alok Kumar Das	09.06.2023 to 08.12.2023
2	Chayanika Chetia	22.06.2023 to 21.12.2023
3	Arup Kar	06.07.2023 to 05.01.2024
4	Ronit Karmakar	21.06.2023 to 20.12.2023
5	Gayatri Mohan	25.06.2023 to 24.12.2023
6	Prativa Gohain	24.06.2023 to 23.12.2023
7	Naba Jyoti Gogoi	24.06.2023 to 23.12.2023
8	Siddhartha Protim Bharadwaj	25.06.2023 to 24.12.2023
9	Hari Prasad Saikia	15.06.2023 to 14.12.2023
10	Abhishek Baruah	15.06.2023 to 14.12.2023
11	Pranjal Sarmah	15.06.2023 to 14.12.2023
12	Mayur Choudhary	15.06.2023 to 14.12.2023
13	Anindita Borah	15.06.2023 to 14.12.2023
14	Arshad Hussain	16.06.2023 to 15.12.2023
15	Himanshu Sharma Pathok	16.06.2023 to 15.12.2023
16	Mridusmita Boruah	16.06.2023 to 15.12.2023
17	Geetimallika Das	16.06.2023 to 15.12.2023
18	Roshmi Pangyok	16.06.2023 to 15.12.2023

Department of Physics

Department of Statistics

1	Anupama Nandi	23.06.2023 to 22.12.2023
2	Himadrika Bora	23.06.2023 to 22.12.2023
3	Pinky Roy	24.07.2023 to 23.01.2024
4	Prasanta Saikia	19.06.2023 to 18.12.2023
5	Achinta Saikia	19.06.2023 to 18.12.2023
6	Sakuntala Deka	15.06.2022 to 14.12.2022
0	Sukuniula Deku	15.12.2022 to 14.06.2023

Department of Mathematics

1	Sumanta Borah	21.06.2023 to 20.12.2023		
2	Sujata Goala	15.09.2023 to 14.03.2024		
3	Shiva Rao	21.06.2023 to 20.12.2023		
3	Sniva Kao	21.12.2023 to 03.03.2024		
4	Annwesha Borthakur	hakur 16.06.2023 to 15.12.2023		
5	Bharati Borgohain	12.06.2023 to 11.12.2023		
6	Mukesh Lahon	12.06.2023 to 11.12.2023		
7	Nidhi Agarwal	28.08.2023 to 27.02.2024		
8	Abhilash Kangsha Banik	12.06.2023 to 11.12.2023		
9	Priyanka Agarwal	21.06.2023 to 20.12.2023 16.06.2023 to 15.12.2023		
10	Jintu Ozah			
11	Niharika Kakoty	17.06.2023 to 16.12.2023		
11		17.12.2023 to 19.02.2024		
12	Ananya Medhi	17.08.2023 to 16.02.2024		
13	Monjit Chamua	13.06.2023 to 12.12.2023		
14	Bornali Saikia	12.09.2023 to 27.12.2023		
15	Hirak Jyoti Dehingia	10.06.2023 to 09.12.2023		
16	Ranumoni Boruah	15.06.2023 to 14.12.2023		
17	Bishan Dan Das	27.03.2023 to 26.09.2023		
17	Bishnu Ram Das	27.09.2023 to 03.03.2024		

Department of Anthropology

1	Somnath Sonowal	01.06.2023 to 30.11.2023	
2	Kiron Das	20.09.2023 to 19.03.2024	
3	Dipawoli Kurmi	18.05.2023 to 17.12.2023	
4 Anand Sharma		01.06.2023 to 30.11.2023	

Department of Pharmaceutical Sciences

1 Sujata Paul		07.09.2023 to 06.03.2024	
2	James H. Zothantluanga	07.09.2023 to 06.03.2024	
3	Yasangam Umbon	19.06.2023 to 18.12.2023	
4	Monmoyuri Bhuyan	22.12.2022 to 21.06.2023	
5	Tina Bania	19.06.2023 to 18.12.2023	
6	Yangchen Doma Bhutia	19.06.2023 to 18.12.2023	

7	Freddy Teilang Nongkhlaw	19.06.2023 to 18.12.2023		
8	Tutumoni Kalita	07.09.2023 to 06.03.2024		
9	Kangkan Deka	11.09.2023 to 10.03.2024		
10	Nilayan Guha	07.09.2023 to 06.03.2024		
11Joon Jyoti Sahar12Lima Patowary	Joon Jyoti Saharia	07.09.2023 to 06.03.2024		
	Lima Patowary	22.06.2023 to 21.12.2023		
13	Daphisha Marbaniang	21.06.2023 to 20.12.2023		
14	Subhendu Sinha Chaudhuri	19.06.2023 to 18.12.2023		

Department of Chemistry

1	Priyanka Gogoi	23.06.2023 to 22.12.2023		
2	Sangeeta Khargharia	21.06.2023 to 20.12.2023		
3	Satter Rohman	19.06.2023 to 18.12.2023		
4	Samprity Sarmah	16.06.2023 to 15.12.2023		
5	Raktim Nath	16.06.2023 to 15.12.2023		
6	Jitupon Gogoi	18.06.2023 to 17.12.2023		
7	Jyotismita Bora	23.06.2023 to 22.12.2023		
8	Mayuri Dutta	23.06.2023 to 22.12.2023		
9 A	Amar Jyoti Kalita	16.06.2023 to 15.12.2023		
10	Parismita Das	16.06.2023 to 15.12.2023		
11 Bondeepa Saikia		19.06.2023 to 18.12.2023		
12	Aziza Rahman	19.06.2023 to 18.12.2023		
13	Rashmirekha Nath	16.06.2023 to 15.12.2023		
14	Tikendrajit Chetia	21.06.2023 to 20.12.2023		
15	Jhorna Borah	13.06.2023 to 12.12.2023		

Centre for Atmospheric Studies

1	Manasi Gogoi	07.09.2023 to 06.03.2024
2	Angkita Hazarika	18.06.2023 to 17.12.2023
3	Prantika Nath	18.06.2023 to 17.12.2023

Jorhat Engineering College

1	Manish Shankar Kaushik	24.06.2023 to 23.012.2023
2	Kakoli Goswami	24.06.2023 to 23.12.2023
3	Papu Moni Saikia	15.09.2023 to 14.03.2024

However, as the following candidates submitted more than one Six-monthly Progress Reports at a time, the Faculty Board, Faculty of Science and Engineering decided to impose a fine of Rs. 2000/- with an Advisory to the defaulting scholars not to violate the Regulations in the future.

1. Sakuntala Deka (Statistics) Rs. 2000/-

<u>Item No. (5):</u> To Consider the Extension/Re-Registration in the Ph.D. programme of the following Scholars:

(i)	Sakuntala Deka (Statistics)	Date of Registration: 15.06.2018
(ii)	Sujata Goala (Mathematics)	Date of Registration: 14.03.2019
(iii)	Prantika Nath (Atmospheric Studies)	Date of Registration: 18.06.2019

Discussion: As recommended by the DRCs concerned, the Board examined the applications of the above-mentioned research scholars requesting for extension of the period of registration (re-registration) of his Ph.D. work and found the regions logical and accordingly recommended the same for approval.

Resolution No. 05: Resolved that as recommended by the concerned DRCs, the prayer for extension of registration (re-registration) of the below-mentioned Ph.D. research scholar be considered under the purview of the Regulations concerned:

Sl. No.	Name of the Scholar	Name of the Supervisor	Department	w.e.f.
1	Sakuntala Deka	Dr. P. J. Hazarika, Assistant Professor, Dept. of Statistics, D.U.	Statistics	15.06.2023
2	Sujata Goala	Prof. Surajit Borkotoky, dept. of Mathematics, D.U.	Mathematics	14.03.2024
3	Prantika Nath	 (i) Dr. B. R. Kalita, Assistant Professor, Dept. of Physics, D.U. (ii) Dr. P. K. Bhuyan, Centre for Atmospheric Studies, D.U. 	Atmospheric Studies	18.06.2024

Item No. (06): Any other matter with permission from the chair:

 To discuss the possibilities to enroll in the Ph.D. Course Work paper Research Methodology through MOOC's (Massive Open Online Courses). **Discussion:** The Board discussed the possibilities to enroll in the Ph.D. Course Work Paper Research Methodology through MOOC's (Massive Open Online Courses) and forwarded the matter to the Research Council for further discussion.

As no other matter was left for discussion, the meeting ended with vote of thanks to and from the Chair.

Sd/-Arinjit Hazarika Secretary, Faculty Board Faculty of Science and Engineering Dibrugarh University Sd/- Prof. S. C. Kakaty Chairperson, Faculty Board Faculty of Science and Engineering Dibrugarh University

Memo No.: DU/DR-A/FB-19/FB-FSE/03-2024

Date: 21.06.2024

Copy for kind information and necessary action to:

1. The Hon'ble Vice-Chancellor, Dibrugarh University.

2. The Chairperson, Faculty Board, Faculty of Science and Engineering, Dibrugarh University.

3. The Dean, Research and Development, Dibrugarh University.

4. The Head/Chairperson of the concerned Departmental Research Committees (DRCs), Dibrugarh University.

5. The Registrar, Dibrugarh University.

6. The Controller of Examinations i/c, Dibrugarh University.

7. File.

Sd/-Deputy Registrar (Academic) and Secretary, Faculty Board Faculty of Science and Engineering Dibrugarh University