



NO.F.TU/Dean (Science)/BFS/10/16

Dated: 8<sup>th</sup> August, 2018

**Proceedings of the 8<sup>th</sup> meeting of Board of Faculty of Studies (BFS), Science held on 19<sup>th</sup> July, 2018 at 2.00 P.M. in the Council Hall, Tripura University.**

**Members Present:**

- |   |           |
|---|-----------|
| 1. Professor S. Banik, Dean, Faculty of Sciences, Tripura University                            | -Chairman |
| 2. Professor Anjan Mukherjee, Department of Mathematics, Tripura University.                    | -Member   |
| 3. Professor Barin Kumar De, Department of Physics, Tripura University                          | -Member   |
| 4. Professor S. Sinha, Department of Botany, Tripura University                                 | -Member   |
| 5. Professor S.N. Karmakar, Department of ECE & CSE, Tripura University                         | -Member   |
| 6. Professor B.K. Agarwala, Department of Zoology, Tripura University                           | -Member   |
| 7. Professor M.K. Singh, Department of Chemistry, Tripura University                            | -Member   |
| 8. Professor R.N. Dutta Purkayastha, Department of Chemistry, Tripura University-               | -Member   |
| 9. Professor R.K. Nath, Department of Chemistry, Tripura University                             | -Member   |
| 10. Professor B.K. Datta, Department of Botany, Tripura University                              | -Member   |
| 11. Professor A.K. Saha, Department of Botany, Tripura University                               | -Member   |
| 12. Professor R.K. Sinha, Department of Botany, Tripura University                              | -Member   |
| 13. Professor D. Bhattacharjee, Department of Physics, Tripura University                       | -Member   |
| 14. Professor S. Majumdar, Department of Chemistry, Tripura University                          | -Member   |
| 15. Professor B. C. Tripathy, Department of Mathematics, Tripura University-                    | -Member   |
| 16. Dr. N. Das (Pan), Department of Geography & Disaster Management, Tripura University         | -Member   |
| 17. Dr. Debasish Maiti, Department of Human Physiology, Tripura University-                     | -Member   |
| 18. Ms. Mousami Debbarma, Department of Geography & Disaster Management, Tripura University     | -Member   |
| 19. Dr. Sabyasachi Das Gupta, Department of Forestry & Biodiversity, Tripura University         | -Member   |
| 20. Dr. Kuntal Manna, Department of Pharmacy, Tripura University                                | -Member   |
| 21. Dr. S. Bhattacharya (Halder), Department of Mathematics, Tripura University                 | -Member   |
| 22. Dr. Shouvik Bhattacharya, Department of Mathematics, Tripura University                     | -Member   |
| 23. Dr. S.S. Singh, Department of Zoology, Tripura University                                   | -Member   |
| 24. Sri Rajat Ghosh, Department of Pharmacy, Tripura University                                 | -Member   |
| 25. Dr. Sudipta Pal, Department of Human Physiology, Tripura University                         | -Member   |
| 26. Ms. Sangita Das Biswas, Department of Electrical Engineering, Tripura University            | -Member   |
| 27. Dr. Surochita Basu, Department of Botany, Tripura University                                | -Member   |
| 28. Dr. R.K. Mahapatra, Department of Library and Information Science, Tripura University       | -Member   |
| 29. Dr P. Karuna Purnapa Rupa, Department of Material Science & Engineering, Tripura University | -Member   |
| 30. Harjeet Nath, Department of Chemical & Polymer Engineering, Tripura University              | -Member   |
| 31. Dr Swanirbhar Majumder, Department of I.T, Tripura University                               | -Member   |
| 32. Dr Samrat Hore, Department of Statistics, Tripura University                                | -Member   |
| 33. Dr Abhishek Majumder, Department of CSE, Tripura University                                 | -Member   |

At the outset, Professor S. Banik, Dean, Faculty of Sciences & Chairman, Board of Faculty of Studies, Science and all other members of the meeting extended welcome to Professor V L Dharurkar, Honourable Vice Chancellor, Tripura University. Professor S. Banik expressed his deep sense of gratitude to Professor Dharurkar for his kind consent to address before the BFS meeting of Sciences. Professor Dharurkar highlighted the historical richness of Indian Education with a message to strengthen the quality of research works, enrich quality research publications to enlighten the academic intensity of Tripura University.

After a break of two minutes agenda wise discussion was initiated.

**Agendum – 1/08/18: To confirm the proceedings of 7<sup>th</sup> meeting of BFS of Science dated 11.01.2018.**

**Resolution:** Confirmed.

**Agendum – 2/08/18: To report the action taken on the proceedings of 7<sup>th</sup> meeting of the BFS of Science held on 11.01.2018.**

**Resolution:** Reported.

**Agendum – 3/08/18: To consider the names of external member of BPGS of different subjects of Faculty of Sciences:**

**Resolution:** The names of the following external members of BPGS were approved.

S.I. No.	Department	External member
01.	Botany	1. Prof. Subir Bera Department of Botany, University of Calcutta 35 B. C. Road, Kolkata – 700019 West Bengal, India  2. Prof. Samit Ray Department of Botany, Visva Bharati Santiniketan – 731235, West Bengal  3. Prof. Uma Shankar Department of Botany, North Eastern Hill University Shillong – 793022, Meghalaya, India
02	Chemistry	1. Prof. Birinchin Kumar Das, Department of Chemistry, Gauhati University 2. Prof. Dilip Kumar Maiti, Department of Chemistry, University College of Science, Kolkata 3. Prof. Asit Chandra, Department of Chemistry, North Eastern Hill University, Shillong
03.	Computer Science and Engineering	1. Prof. Amlan Chakrabarti Dean Faculty of Engineering and Technology, University of Calcutta 92, Acharya Prafulla Chandra Road, Kolkata, West Bengal 700009.  2. Prof. Sudipta Roy, Department of Computer Science & Engineering, Assam University, East Rd, Silcoorie Grant, Assam 788011  3. Prof. Ratnajit Bhattacharjee, Department of EEE, IIT Guwahati, North Guwahati, Assam 781039

04.	Electrical Engineering	<p>1. Dr. Ashok Kumar Pradhan, Professor, Electrical Engineering, IIT Kharagpur,</p> <p>2. Dr. Aparajita Sengupta Professor, Department of Electrical Engineering, IIFST, Shibpur, West Bengal</p> <p>3. Dr. Pramod Agarwal Department of Electrical Engineering, IIT Roorkee, Uttarakhand.</p>
05.	Forestry and Biodiversity	<p>1. Dr. A. Arunachalam, Principal Scientist in Forestry, ICAR, Room No. 101, Krishi Bhawan, New Delhi – 110001</p> <p>2. Dr. Amarendra Nath Dey, Associate Professor and Head, Department of Forestry, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, West Bengal, 736165</p> <p>3. Dr. Rajiv Pandey, Scientist – E, Bio Statistics and Climate Change Main Building, Forest Research Institute, Po. I. P. E. 248195 Dehradun, Uttarakhand</p>
06.	Geography & Disaster Management	<p>1. Prof. Mehtab Singh, Maharshi Dayanand University, Rohtak – 124001, Haryana</p> <p>2. Prof. Anuradha Banerjee, Centre for the study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi</p> <p>3. Prof. Anup Saikia Department of Geography Gauhati University, Guwahati – 781014</p>
07.	Human Physiology	<p>1. Prof. Debkumar Chakrabarti, IIT, Guwahati</p> <p>2. Prof. Chandradipa Ghosh, Vidyasagar University.</p> <p>3. Dr. Amit Kumar Pal, NICED, Kolkata</p>
08.	Information Technology	<p>1. Prof. Paramartha Dutta, Department of C &amp; SS, Visva- Bharati, Santiniketan</p> <p>2. Dr. Dibyendu Ghoshal, Department of ECE, NIT, Agartala,</p> <p>3. Prof. R Subader, Department of ECE, NEHU, Shillong.</p>

09.	Mathematics	<p>1. Prof. Rudra Kanta Deka Professor and Head Department of Mathematics Gauhati University Guwahati – 781014</p> <p>2. Prof. Kallol Paul Department of Mathematics Jadavpur University</p> <p>3. Prof. Tanmoy Som Department of Mathematical Sciences Indian Institute of Technology, Varanasi – 221005 U. P.</p>
10.	Microbiology	<p>1. Prof. S. R. Joshi, Biotechnology &amp; Bioinformatics Department, North East Hill University</p> <p>2. Prof. B. K. Konwar, Mol. Biol &amp; Biotech, School of Science &amp; Technology Tezpur University</p> <p>3. K. Pakshirajan, Associate Professor and Haed , Department of Biotechnology, IIT, Guwahati</p>
11.	Molecular Biology & Bioinformatics	<p>1. Prof. Sudip Kundu, Department of Molecular Biology, Biophysics and Bio information</p> <p>2. Prof. Parimal Karmakar, Department of Biotechnology and Life sciences, Jadavpur University</p> <p>3. Prof. Alok Sil, Department of Microbiology University of Calcutta</p>
12.	Physics	<p>1. Prof. S. Ravi Department of Physics, IIT, Guwahati</p> <p>2. Prof. M. Aslam Department of Physics, IIT, Bombay</p> <p>3. Prof. K. K. Chattopadhyaya Department of Physics, Jadavpur University, Kolkata</p>

13.	Pharmacy	<p>1. Prof. Dipak Chetia Department of Pharmaceutical Science, Dibrugarh University NH – 37, Rajapeta, Dibrugarh, Assam – 786004</p> <p>2. Prof. Pulkot Kumar Mukherjee Department of Pharmaceutical Technology, Department of Pharmaceutical Technology, Jadavpur University, Kolkata – 700032, India</p> <p>3. Prof. Sushil Kumar Singh Department of Pharmaceutical Engineering and Technology, Indian Institute of Technology (BHU), Varanasi – 221005 Uttar Pradesh, India</p>
14.	Statistics	<p>1. Prof. Kishore Kumar Das, Professor, Department of Statistics, Gauhati University, Guwahati – 781014</p> <p>2. Prof. Ashish Ghosh, Professor, Machine Intelligence Unit, Indian Statistical Institute, 203 B. T. Road, Kolkata – 108,</p> <p>3. Prof. Dibyojyoti Bhattacharjee, Professor, Department of Statistics, Assam University, Silchar – 788011, Assam, India</p>
15.	Zoology	<p>1. Prof. Sagartirtha Sarkar, Department of Zoology University of Calcutta 35, Ballygunge Circular Road Kolkata – 700019</p> <p>2. Prof. Karvi Datta Department of Zoology Gauhati University Gauhati – 781014</p>

**Agendum – 4/08/18: To report and recommend the names of outside expert, E-expert, names of adjudicator etc. of the Research candidates under the Faculty of Sciences:**

**Resolution:** The names of outside experts involved in Pre-Ph.D. Public Seminar and names of adjudicators of the following students (19 candidates) were reported.

Sl. No	Name of the Scholar	Department	Title of Ph. D. Thesis	Supervisor	Expert List
1.	Chiranjit Paul	Forestry & Biodiversity	Studies on Genetic Diversity and Some Nutritional Aspects of Dioscorea (Dioscoreaceae) in Tripura.	Dr. Bimal Debnath, T.U.	Expert List is placed in file.
2.	Pijush Chandra Dey	Physics	Synthesis of a few pure and doped group II-VI Semiconductor Nanocrystals by Chemical route for the study of their optical and elastic proper-ties and their applications.	Dr. Ratan Das, T.U.	-do-
3.	Bapi Dey	Physics	Electrical and Optical Characterizations of Some Organic Molecules Assembled Onto Ultra Thin Films.	Dr. S.A. Hussain, T.U.	-do-
4.	Sanjit Sutradhar	Chemistry	Synthesis and Characterization of Complexes of Some Transition Metal ions with Some Dithiolate and Amine Ligands.	Prof. M.K. Singh, T.U.	-do-
5.	Madhusudan Debnath	Human Physiology	Nutritional values, medicinal properties and molecular characterization of endemic earthworm <i>Eutyphoeus gammiei</i> of Tripura, India.	Prof. S.K. Sil, T.U.	-do-
6.	Debasish Debbarma	Geography & D/M	Salient features of Auto Rickshaw Transport Services in Agartala Municipal Corporation Area in Tripura: A Geographical Appraisal.	Dr. S. Mitra, T.U.	-do-
7.	Nandita Das	Chemistry	Synthesis Characterization Structure and Reactivity Studies on Hetero- Ligand Peroxotungsten	Prof. R.N. Dutta Purkayastha,	-do-

			(VI) Complexes.	T.U.	
8.	Priya Saha	Computer Science & Engineering	Studies on some Facial Expression Recognition Techniques based on Visual and Infrared Thermal Face Images.	Prof. B.K. De, T.U. & Prof. Mita Nasipuri, Department of CSE, Jadavpur University (Co-Supervisor)	-do-
9.	Sukla Bhattacharjee	Botany	Fungal endophytes in some medicinal plants of Tripura and evaluation of their antimicrobial properties.	Prof. A.K. Saha, T.U.	-do-
10.	Rita Ray	Zoology	Biology of <i>Chitala chitala</i> (Hamilton, 1822) with reference to its conser-vation in Tripura, India.	Prof. S. Banik, T.U.	-do-
11.	Santa Ghosh	Zoology	Genitalia Morphology, Biometry and DNA Barcoding of some species of Coccinellini (Coleoptera: Coccinellidae) of Tripura, India.	Prof. B.K. Agarwala (Supervisor) and Prof. D. Ghosh (Co-Supervisor).	-do-
12.	Kishan Saha	Botany	Cytological and Molecular Studies in some species of Zingiberaceae of Tripura.	Prof. S. Sinha, T.U.	-do-
13.	Somnath Kar	Botany	Reproductive biology of some medicinal plants of Tripura.	Prof. B.K. Datta, T.U	-do-
14.	Singh KwraK Santua Jamatia	Zoology	Earthworm Resource and its Community Characters in the areas of Tea Plantations in Tripura.	Prof. P.S. Chaudhuri, T.U.	-do-

**Agendum – 5/08/18 : To report the name of Ph.D. Students who have been awarded Ph.D. Degree Provisionally in different subjects under the Faculty of Sciences.**

**Resolution:** Reported.

Sl. No	Name of the Scholar	Department	Title of Ph. D. Thesis	Supervisor	Date of Award
1.	*Ashis Shil	Physics	Spectroscopic and Morphological Characteristics of Hybrid Langmuir Monolayer at the Air-Water Interface and on the solid Substrates.	Prof. D. Bhattacharjee, T.U.	01.02.2018
2.	*Trisanu Banik	Physics	Characterization of thunderstorm generated lightning activity over North-East India and its interaction with various geophysical phenomena.	Dr. A. Guha, T.U.	01.02.2018
3.	*Mitu Saha	Physics	Investigations of the Organizations of Bio-Molecules at the Air-Water Interface and in the Ultra-Thin Films.	Prof. D. Bhattacharjee, T.U.	07.02.2018
4.	*Debasree Lodh	Botany	Chromosomal Variations in some important plant species of Tripura used in Ayurveda.	Dr. S. Basu, T.U.	07.02.2018
5.	*Bimal Chandra Das	Mathematics	Studies on Some Generalized Triple Sequence Spaces.	Dr. S. Debnath, T.U.	13.02.2018
6.	*Bal Krishan Choudhary	Botany	Ecological Characteristics of Some Selected Land-Use Landcover Systems of Tripura, India.	Prof. B.K. Datta, T.U.	27.02.2018
7.	*Tapasi Bhattacharjee	Human Physiology	Studies on Reproductive and Developmental Toxicity of Chronic Low Dose Exposure to A Mixture of Metals (Cd, Pb & As): possible ameliorative effect of some antioxidant micronutrients.	Dr. Dipayan Choudhuri, T.U.	27.02.2018



8.	*Pranab Dhar	Physics	Characterization of atmospheric aerosol properties and its relation with boundary layer dynamics over North-East India.	Dr. A. Guha, T.U.	05.04.2018
9.	*Sibani Saha	Zoology	Biology of two important ornamental fish species <i>Puntius sophore</i> and <i>Puntius ticto</i> With special reference to their conservation in Tripura.	Prof. S. Banik, T.U.	05.04.2018
10.	*Arpan Datta Roy	Physics	Fluorescence Resonance Energy Transfer in Presence of Biological Molecules.	Dr. S.A. Hussain, T.U.	13.04.2018
11.	*Pinki Saha	Chemistry	Syntheses, Structure Elucidation and DFT Calculations of some Copper (II) and Rhenium (V) Complexes.	Dr. S. Chowdhury, T.U.	24.04.2018
12.	*Jaba Saha	Physics	Study of Fluorescence Resonance Energy Transfer (FRET) and its Sensing Applications.	Dr. S.A. Hussain, T.U.	09.05.2018
13.	*Manash Chandra Das  *These names were approved by Academic Council on 21.05.2018 & Original Certificate was given in Convocation on 23.05.2018.	Molecular Biology & Bioinformatics	Exploration of the Effect of Synthetic Aminoximidofurazan Derivatives and Flavone Group of Natural Compounds on Biofilm Formation by <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> Including Host Immune-modulation.	Dr. Surajit Bhattacharjee, T.U.	09.05.2018
14.	Antu Das	Molecular Biology & Bioinformatics	Exploration of Antileishmanial Immunotherapeutic Potentiality of <i>Sterculia Villosa</i> Roxb.	Dr. Surajit Bhattacharjee, T.U.	03.07.2018
15.	Joyeeta Dey	Botany	Nitrogen Fixing Efficiency of The Leguminous Weed Plants Found in Tripura: Certain Studies on Carbon and Nitrogen Metabolites of The Plants and Assessment of Soil Fertility.	Prof. R.K. Sinha, T.U (Supervisor) and Prof. Aloke Bhattacharjee, University of Burdwan (Co-	03.07.2018

				Supervisor)	
16.	Atithi Debnath	Botany	Mycorrhizal association and its efficacy on growth of selected ethnobotanical plants of Tripura.	Dr. Panna Das, T.U.	03.07.2018
17.	Balaram Sutradhar	Human Physiology	Studies on Pulmonary Functions and Cardiovascular Status of Tribal Adolescent From Tripura and Determination of Reference Standard for Spirometry.	Dr. Dipayan Chaudhuri, T.U.	12.07.2018

**Agendum – 6/08/18: To consider the syllabus of different subjects of Faculty of Sciences.**

**Resolution:** (i) Revised syllabus for MSc & Pre-PhD Course work of Dept of Human Physiology was accepted.

**Agendum –7/08/18: To consider the names of Students to be enrolled for Ph.D. Registration.**

Sl. No	Name of the Scholar	Department	Title of Ph. D. Thesis	Supervisor	Date of Registration	Ph.D. Mode	Category	Male/Female	Ph.D. Rules
1.	Barnali Deb	Chemistry	Studies on the development of sustainable routes for some C-N and C-C bond forming reactions.	Prof. S. Majumdar T.U.	28.07.2017	Part-time	UR	Female	2014
2.	Priyatosh Nath	Human Physiology	Studies on the expression status of cytokines and BCL-2 family proteins in bone marrow stem cells of leukemic animal model: Possible therapeutic role of IL-28B and certain natural products.	Dr. D. Maiti, T.U.	22.03.2018	Full time	OBC	Male	2016
3.	Maitri Bhattacharjee	Chemistry	Synthesis, Structure, Reactivity and Theoretical	Prof. R.N. Dutta Purkayastha, T.U.	14.03.2018	Full time	UR	Female	2016

			Investigations on Nitrogen, Oxygen Donor Complexes of Copper and Zinc.						
4.	Bijayashree Mishra	Chemistry	Synthesis and Biological Evaluations of some newer Anthraquinone Derivatives.	Dr. U.C. De, T.U.	13.03.2018	Full time	UR	Female	2016
5.	Biplab Debbarma	Zoology	Earthworm Communities and their role in carbon sequestration under different land use systems in Tripura, India.	Prof. P.S. Chaudhuri, T.U.	14.09.2017	Full time	ST	Male	2016

**Resolution:** The applications of the students with Serial No.1- 4 were found complete and accepted for PhD registration. The Supervisor of Sri Biplab Debbarma is requested to submit the Reports on Synopsis from all the internal members of RAC.

#### **Agendum –8/08/18: Miscellaneous.**

(i) Reporting of Change of title of the following candidates:

Sl. No.	Name	Department	Supervisor	Previous title	Modified title
1	Anu Singha	Computer Science & Engineering	Dr. M.K. Bhowmik, T.U.	<b><i>Studies on Similarity Oriented Subspace Analysis in Human Face Recognition</i></b>	<b><i>Moving Object Detection in Night Vision</i></b>
2	Rajib Debnath	Computer Science & Engineering	Dr. M.K. Bhowmik, T.U (Supervisor) and Prof. A.K. Ghosh, Ex-V.C. T.U (Co-Supervisor)	<b><i>Image Processing Based Surface Plasmon Resonance (SPR) System to Measure the Refractive Index of Bio-Chemicals</i></b>	<b><i>Detection of Weapon along with Profile in Video</i></b>

3	Shawli Bardhan	Computer Science & Engineering	Dr. M.K. Bhowmik, T.U.	<b><i>Analysis of IR Images for Detection of Inflammatory Pain Related Disease.</i></b>	<b><i>Analysis of IR Images for Detection of Inflammatory Knee Joint Diseases.</i></b>
4	Kakali Das	Computer Science & Engineering	Prof. B.K. De, T.U (Supervisor) and Dr. M.K. Bhowmik, T.U(Co-Supervisor)	<b><i>Prediction of Performance of Health Abnormality Detection Systems (HADSs) Based on Thermal Images.</i></b>	<b><i>Prediction of Health Abnormality Using Thermal Images</i></b>
5	Rita Ray	Zoology	Prof. S. Banik, T.U.	<b><i>Biology of <i>Chitala chitala</i> (Hamilton, 1822) with reference to its conservation in Tripura, India.</i></b>	<b><i>Biology of <i>Chitala chitala</i> (Hamilton, 1822) with special reference to its <i>Ex-Situ</i> conservation in Tripura, India.</i></b>

**Resolution:** Resolved that the change of title of all above candidates be accepted.

- (ii) To consider the letter of Prof. A.K. Ghosh, Ex-Vice Chancellor, T.U for continuation of Co-Supervisorship with the Supervisor of the following candidates:

Sl. No.	Name	Department	Supervisor	Co-supervisor	Date of Registration
1	Aditi Datta	Electrical Engineering	Prof. Anjan Mukherjee, T.U	Prof. A.K. Ghosh, Ex. Vice Chancellor, T.U.	09.09.2014
2	Usha Rani Gogoi	C.S.E.	Dr. M.K. Bhowmik, T.U.	Prof. A.K. Ghosh, Ex. Vice Chancellor, T.U.	21.03.2016
3	Tamojoy Deb	I.T	Prof. Anjan Mukherjee, T.U	Prof. A.K. Ghosh, Ex. Vice Chancellor, T.U.	06.10.2015
4	Sajal Kanta Das	I.T.	Prof. Anjan Mukherjee, T.U	Prof. A.K. Ghosh, Ex. Vice Chancellor, T.U.	06.10.2015

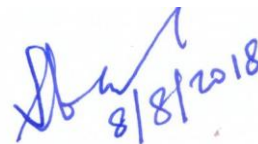
**Resolution:** Deferred.

- (iii) To consider the letter of Prof. A.K. Ghosh, Ex. Vice Chancellor, T.U for discontinuation of Ph.D. Co-Supervisor ship of Rajib Debnath, Research Scholar, Department of C.S.E, under the supervision of Dr. M.K. Bhowmik, T.U.

**Resolution:** Approved.

- (iv) To consider the letter of Dr. Surajit Bhattacharjee, T.U for approval of the name of Prof. Biplab Sarkar, Senior Scientist, ICAR, Ranchi, to act as Co-Supervisor of Mr. Akshay Vishnu Daware, Research Scholar, Department of Molecular Biology & Bioinformatics.

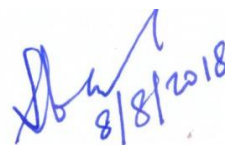
**Resolution:** Resolved that Prof. Biplab Sarkar, Senior Scientist, ICAR, Ranchi, be requested to apply to Registrar, Tripura University seeking his interest to get recognition to become Co-Supervisor of Department of Molecular Biology & Bioinformatics.



(Professor S. Banik)  
Chairman  
Board of Faculty of Studies  
Tripura University

Copy to:

1. All Members of the Board of Faculty of Studies of Science. T.U.....
2. The Dean, Faculty of Arts & Commerce, T.U.
3. Office of Dean, Faculty of Sciences, T.U.
4. Registrar, T.U.
5. Director, IQAC, T.U.
6. Controller of Examinations, T.U.
7. Director, CDC, T.U.
8. Chairman, Annual Report Committee for 2017-2018
9. All HOD/Faculty of Science, T.U.
10. Deputy Registrar (Academic), T.U.
11. P.S.to V.C for kind information of Honourable Vice-Chancellor, T.U.
12. Ph.D. Section, T.U.



(Professor S. Banik)  
Chairman  
Board of Faculty of Studies  
Tripura University