



NO. F. TU/Dean (Science)/BFS/09/16

Dated: 11.04.2016

Proceedings of the 1st meeting of the 2nd Board of Faculty of Studies of Science (4th Meeting)
held on 28.03.2016 in the Conference Hall, Tripura University at 1.30 p.m.

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12/4/16

Member present:

Handwritten:
Hali

1. Prof. Anjan Mukherjee, Pro-Vice-Chancellor & Professor of Mathematics, TU
2. Prof. B.K. Agarwala, Head, Department of Zoology, TU
3. Prof. B.K. De, Department of Physics, TU
4. Dr. V. Ravi Kumar, NCL, Pune (External Expert Member)
5. Prof. Sukanta Banik, Department of Zoology, TU
6. Prof. Debajyoti Bhattharjee, Head, Department of Physics, TU
7. Prof. B.K. Datta, Head, Department of Botany, TU
8. Prof. A.K. Saha, Department of Botany, TU
9. Prof. Samir Kumar Sil, Head, Department of Human Physiology, TU
10. Prof. R.N. Dutta Purkayastha, Head, Department of Chemistry, TU
11. Prof. Priyasankar Chaudhuri, Department of Zoology, TU
12. Prof. Binod Chandra Tripathy, Department of Mathematics, TU
13. Dr. Nibedita Das (Pan), Head, Department of Geography & Disaster Management, TU
14. Dr. Sharmistha Bhattacharya (Haldar), Department of Mathematics, TU
15. Dr. Surya Chattopadhyaya, Associate Professor, Department of Physics, TU
16. Dr. Debasish Maiti, Associate Professor, Department of Human Physiology, TU
17. Dr. Alok Satpathy, Associate Professor of Physics, BBM College, Agartala
18. Dr. R.K. Mahapatra, Associate Professor, Department of Library & Information Sc, TU
19. Dr. Subrata Bhowmik, Assistant Professor, Head (I/C), Department of Mathematics, TU
20. Dr. Sudipta Pal, Assistant Professor, Department of Human Physiology, TU
21. Dr. Kuntal manna, Assistant Professor, Department of Pharmacy, TU
22. Dr. Thiru Selvan, Assistant Professor, Head (I/C), Department of Forestry & Biodiversity, TU
23. Dr. Surajit Bhattacharjee, Assistant Professor, Department of Molecular Biology & Bio-Informatics, TU
24. Dr. Surajit Basak, Assistant Professor Head (I/C), Department of Molecular Biology & Bio-Informatics, TU
25. Dr. Shiv Sankar Singh, Assistant Professor, Department of Zoology, TU
26. Dr. Souvik Bhattacharya, Assistant Professor, Department of Mathematics, TU
27. Dr. Surochita Basu, Assistant Professor, Department of Botany, TU
28. Shri. Rajat Ghosh, Assistant Professor, Department (I/C), Department of Pharmacy, TU
29. Mrs. Champa Nandi, Assistant Professor, Head (I/C), Department of EE, TU
30. Shri. Abhishek Majumder, Assistant Professor, Head (I/C), Department of CSE, TU
31. Shri. Samrat Hore, Assistant Professor, Head (I/C), Department of Statistics, TU
32. Shri. Jayanta Pal, Assistant Professor, Department of Information Technology, TU, (Head representative)

Officer's of the University who attended the meeting:

1. Dr. B.C. Sinha, Controller of Examinations, TU
2. Shri. N. Bhattacharya, Deputy Registrar (Academic), TU
3. Shri N. Reang, Assistant Registrar (Examinations), TU

At the outset, prior to the commencement of the business of the meeting Prof. A.K. Ghosh, Hon'ble Vice-Chancellor of Tripura University has addressed the house by welcoming all members of the Board of Faculty of Studies of Science and gave sincere thanks to Dr.V. Ravi Kumar, External Member, of the Board for attending the meeting. The Vice-Chancellor in his addressed has informed the members about the decision of the MHRD/UGC in its meeting held on 18th February 2016 at New Delhi. Some of the points that he highlighted were:

- (i) Education to be made as World Class
- (ii) Remove obsolete Course Curriculum
- (iii) Revise Course Curriculum
- (iv) To relook into the Pedagogy Teaching method
- (v) To move forward from the traditional method of teaching towards Modern method of Teaching using Computer knowledge and Digital Classes. He did mentioned that University of Delhi and other Central Universities of India had already started Digital Classes.
- (vi) To re-look into the Research activities of the University
- (vii) The University has to include Analytical Reasoning, Synthetic Coordination and new Knowledge to reach a kind of high standard in Science Education.

Thereafter, he requested the members to have a thought on the points to which he had highlighted and thanked all and left the meeting hall.

Then, Prof. M.K. Singh, Dean, Faculty of Science and Chairman of the Board of Faculty of Studies of Science took over the Chair by welcoming all the members. He had also expressed his gratitude to Dr. V. Ravi Kumar, External Member of the Board for sparing his valuable time to attend the meeting. After that the business on the agenda was taken-up for discussion.

Agendum-1/04/16: To confirm the proceedings of 3rd meeting of 1st BFS of Science dated 28.11.2014

Before confirming the proceedings of 3rd meeting of 1st BFS of Science dated 28.11.2014 s.no , 35, 50 & 55 of agendum No. 03/03/14 on the allocation of Ph.D. Supervisor & Co-Supervisor who are not regular full time teachers of Tripura University or teacher of affiliated Non-P.G. Colleges/ Institution, was taken up for discussion. The Chairman of the BFS of Science read out the UGC Secretary D.O letter No. 10-6/2011 (PS) MISC dated 6th July, 2015 in regard to the Ph.D. Regulations, 2009. In this regard, it was decided that proper action would be initiated to redress the problem of supervisor and Co-Supervisor for Sl. No. 35, 50 & 55. After having thorough discussion, the members resolved to confirm the proceedings of 3rd meeting of 1st BFS of Science dated 28.11.2014. It was further resolved that the guidelines in the letter of UGC dated 6th July, 2015 be followed from henceforth strictly.

Agendum-2/04/16: To report the action taken on the proceedings of 3rd meeting of the BFS Of Science held on 28.11.2014
Noted & Confirmed.

Agendum-3/04/16: To consider the re-constitution of BPGS of different departments under Science Faculty of Tripura University

The re-constitution of Board of Post-Graduate Studies (BPGS) of different departments under Science faculty were approved along with nomination of three persons having specialized knowledge in the discipline of the concerned department by the BFS of Science, T.U. The departments and nominated members are:

Name of the Department	Proposal for Re-constitution of BPGS	Names of three Subject expert nominated by Board of Faculty of Science for of the Department
1. Botany	Approved	<ol style="list-style-type: none"> 1. Prof. A. K. Paul, Department of Botany, University of Calcutta, 35 BC Road, Kolkata- 700019, West Bengal, India, Tel:09830905580 email: akpaulcu@gmail.com. 2. Prof. S. K. Barik, Department of Botany, North Eastern Hill University, Shillong – 793022, Meghalaya, India, Tel: 09436100688, email: sarojkbarik@gmail.com. 3. Prof. S. R. Sikdar, Division of Plant Biology, Bose Institute, Centenary Building, P-I/ 12, CIT, Scheme VII M, Kolkata – 700054, India, Tel: 09831042569, email: samin@bic.boseinst.ernet.in.
2. Chemistry	Approved	<ol style="list-style-type: none"> 1. Prof. S. C. Bhattacharya (Physical Chemistry Specialization), Department of Chemistry, Jadavpur University, Kolkata – 700032, Tel: 033-24146233, email: sbjucheme@yahoo.com; scbhattacharya@chemistry.jdvu.ac.in 2. Prof. C. R. Bhattacharjee (Inorganic/ Chemistry Specialization), Department of Chemistry, Assam University, Silchar 788011, Cachar, Assam, Tel: 09435175671, e-mail: crbhattacharjee@rediffmail.com 3. Dr. Soumen Maiti, (organic chemistry), Senior Principal Research Scientist, TCG Life Science Limited, Block BN, Plot 7, Sector V Salt Lake, Kolkata – 700091, Tel: +91-33-23673151/3152/3153 (#224), e-mail: soumen.maiti@tcgls.com; soumenm_maiti@yahoo.com
3. Computer Science & Engineering	Approved. However, in matter related to Ph.D. Dr. Mrinal Kanti Bhowmik of CSE, TU, will Chair the meeting of BPGS	<ol style="list-style-type: none"> 1. Prof. Susanta Chakraborty, Department of Computer Science and Technology, IIST, Shibpur, Kolkata, Tel: 033-26686151, e-mail: sc@cs.iist.ac.in; susanta.chak@gmail.com 2. Prof. Jayanta Mukhopadhyaya, Computer Science & Engineering, IIT Kharagpur. Tel: +91-3222-283484/ 283485/ 277160, e-mail: jay@cse.iitkgp.ernet.in 3. Prof. Paramartha Dutta, Department of Computer & System Science, Siksha Bhavana, Visva Bharati, Santiniketan, West Bengal. Tel: +919433155116, e-mail: paramartha.dutta@gmail.com
4. Electrical Engineering	Approved. However, in matter related to Ph.D. Prof. B. K. De, Department of Physics, TU, will Chair the meeting of BPGS	<ol style="list-style-type: none"> 1. Prof. Avinash Kumar Sinha, Electrical Engineering Department, IIT, Kharagpur- 721302, Tel: +91-3222-283088 (0)/ 3222-283089, e-mail: aksinha@ee.iitkgp.ernet.in 2. Prof. Chitralekha Mahanta, Room No. 106, EEE Department, IIT Guwahati- 781039, India, Tel: +91-361-2582507 (0), e-mail: chitra@iitg.ernet.in

5. Forestry & Bio-Diversity	Approved	<ol style="list-style-type: none"> 1. Prof. S.S. Singh, Dean, School of Natural Resources, Department of Forestry, Wildlife & Environmental Sciences, Guru Ghasia University, (A Central University) Bilaspur- 495009, Chhatisgarh, India, Tel: +91-9424163260, Tel: +91-7752-260078 (0), e-mail: singhss_gg@gmail.com 2. Prof. D R. Bhardwaj, Department of Silviculture & Agroforestry, College of Forestry, Dr. Y S Parmar University of Horticulture and Forestry, Nauni, Solan- 173230, Himachal Pradesh, India, Tel: 01792-252270 (0); 09418158775, Fax: 91+01792+252318, 252270, e-mail: Bhardwajdr_uhf@rediffmail.com 3. Dr. A. K. Gupta, IFS, PCCF (Wildlife) & CWLW, CEO & PD, IGDC Project, Tripura Forest Department, Govt. of Tripura, Aranya Bhawan, Gurkhabasti, Agartala, Tripura, Tel: 0381-2326874/ Mobile No: 9436450822, e-mail: akphayri@gmail.com; akgpccf@gmail.com
6. Geography & Disaster Management	Approved	<ol style="list-style-type: none"> 1. Director, National Bureau of Soil Science and Land Use Planning (NBSS & LUP), Amarabati Road, Nagpur-440033, Tel: 91+7122500386, e-mail: director@nbsslup.ernet.in 2. Prof. Ram Babu Singh, Department of Geography, Delhi School of Economics, University of Delhi, Delhi- 110007, Contact No: 011-27666491/ 27667725, E-mail: rbsgeo@hotmail.com 3. Prof. N. Chandrasekar, Centre for Geotechnology, Manommaniam Sundarnar University, Abhisekha Paddy, Tirunelveli, Tamilnadu- 627012, Tel: 919443162820, e-mail: ncsrmarine@yahoo.co.uk
7. Human Physiology	Approved	<ol style="list-style-type: none"> 1. Prof. Birendra Nath Mallik, Lab: 327, 319 Neuroscience Laboratory, School of Life Sciences, Jawaharlal Nehru University, New Delhi- 110067, India, Tel: 011-2670-4522 (Office), e-mail: remsbnm@yahoo.com; bnm@mail.jnu.ac.in 2. Dr. Swapan Kumar Dey, Senior Scientist, Sports Authority of India, Netaji Subhas Eastern Center, Sector- III, Salt Lake City, Kolkata- 700098, Tel: 033-2569-2013 (Office), e-mail: drsk_dey@rediffmail.com 3. Prof. Ananta Kr. Ghosh, Department of Bio-Technology, IIT, Kharagpur-721302, Tel: 283762/ 283763/ 277948, e-mail: aghosh@hijli.iitkgp.ernet.in
8. Information Technology	Approved the name of Sri Jayanta Pal, Assistant Professor, in place of Sri. Abhishek Das (On deputation). In matter related to Ph.D. Dr. M.K. Bhowmik, CSE, TU will Chair the meeting of BPGS	<ol style="list-style-type: none"> 1. Prof. Nityananda Sarma, Department of CSE, Tezpur University, Assam, Napaam, Tezpur, Sonitpur, Assam- 784028, Tel: Extension: 5356 [03712-275356], e-mail: nitya@tezu.ernet.in 2. Prof. Mahantapas Kundu, Department of CSE, Jadavpur University, Kolkata- 700032, Tel: 91-33-24572348, e-mail: mahantapas@gmail.com 3. Director, SAMEER, IIT Mumbai, Tel: (+91-22) 25727100, e-mail: registrar@sameer.gov.in
9. Library & Information Sciences	Approved	<ol style="list-style-type: none"> 1. Prof. C. R. Karrisiddhappa, (Former Professor and Chairman, UGC, Lib. Sc. Curriculum Development Committee) (Emeritus Professor), Department of Library & Information Science, Karnataka University, Dharwad- 580003, India, Tel: 09880329880, e-mail: karrisiddappa@gmail.com 2. Prof. Pravakar Rath, Lib. & Inf. Sc & Dean (SEMIS), Mizoram University, Aizawl- 796004, Tel: 09436154563.9654314022, e-mail: pravakarrath@gmail.com 3. Prof. S. K. Singh, Department of Lib. & Inf. Sc, Gauhati University, Gauhati, Assam, Tel: 09435040402, e-mail: sksght@gauhati.ac.in

Mathematics	Approved Reported; Reconstitution of BPGS in Department of Mathematics was approved by the Vice-Chancellor, TU, on 24.11.2015	<ol style="list-style-type: none"> 1. Prof. A.K. Bhunia, Department of Mathematics, University of Burdawan, Rajbati, Bardhaman- 713104, West Bengal, India, Tel: 9933059881, e-mail: akbhunia@math.buruniv.ac.in; bhuniaak@rediffmail.com. 2. Prof. Debajit Hazrika, Department of Mathematics, Tezpur University, Napaam, Tezpur, Sonitpur, Assam- 784028, India, Tel: (Ext): 03712-27-5505, e-mail: debajit@tezu.ernet.in. 3. Prof. Ashish Ghosh, Machine Intelligence Unit, Indian statistical institute, 203 B. T. Road, Kolkata- 700108, West Bengal, India, Tel: +91-33-2575-3110/2232, e-mail: ash@isical.ac.in
11. Micro-biology	Approved	<ol style="list-style-type: none"> 1. Prof. Bharat B Chatto, Department of Microbiology & Biotechnology Centre, Faculty of Science, M. S. University of Baroda, Baroda- 390002, Tel: 091-265-2794396/2750498/2793070 (0), Fax: 091-265-2792508, e-mail: bharat.chattoo@bcmsu.ac.in 2. Dr. Santanu Datta, Chief Scientific Officer, Bugworks Research, Banagalore- 560003, Tel: 09845393262, e-mail: santanu@bugworksresearch.com; santanu.datta@gmail.com 3. Prof. S. K. Ghosh, Dean, School of life Science, Asam University, Silchar- 788011, Tel: 91-9435372338, e-mail: sankarghoshusa@yahoo.com; Fax: 91-3842-260802
12. Molecular Biology & Bio-Informatics	Approved	<ol style="list-style-type: none"> 1. Prof. Sanjit Dey, Department of Physiology, Calcutta University, 92, APC Road, Kolkata- 700009. Tel: +91-9830211512; +91-9830166558, e-mail: sanjitdey@gmail.com; Sanjitdey2003@yahoo.com 2. Prof. Mrutyunjay Suar, School of Biotechnology, KIIT University, Campus XI, Patia, Bhubaneswar-751024, Odisha. Tel: +916742725466/ +919437011465, e-mail: msbiotek@yahoo.com; msuar@kiitbiotech.ac.in 3. Dr. Dinesh Gupta, (Research Scientist), International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi-110067. Tel: 91-11-26741358; +91-9312304662, e-mail: dinesh@icgeb.res.in
13. Pharmacy	Approved	<ol style="list-style-type: none"> 1. Prof. S. K. Ghosh, Department of Pharmaceutical Sciences, Dibrugarh University, Dibrugarh- 786004, Assam, India. Tel: 09435330771, e-mail: ghoshksurajit@gmail.com 2. Prof. D. Sriram, Department of Pharmacy, Birla Institute of Technology & Science-Pilani, Hyderabad Campus, Jawahar Nagar, Hyderabad- 500078. Tel: 09010534101 (0), e-mail: dsriram@hyderabad.bits-pilani.ac.in; drdsriram@yahoo.com; dsriram@bits-pilani.ac.in 3. Dr. Sunil kumar Agarwal, Sr. Scientist I-Formulation & Development, Sandoz private Limited. P.O.: Sandoz Baug, Kolshet Road. Thane- 400607, India. e-mail: sunil.agarwal@sandoz.com
14. Physics	Approved	<ol style="list-style-type: none"> 1. Prof. Anirban Kundu, Department of Physics, Calcutta University 92 Acharya Prafulla Chandra Road, Kolkata- 700009, India. Tel: +91-33-23607854/ +91-33-23508386 ext 411, e-mail: anirban.kundu.cu@gmail.com; akphy@caluniv.ac.in, 2. Prof. Seenipandin Ravi, Department of Physics, IIT, Guwahati, Guwahati- 781039, India, Tel: +91-361-2582707, e-mail: sravi@iitg.ernet.in 3. Prof. S. Gurubaran, Room No. 211, Indian Institute of Geomagnetism, Plot No. 5, Sector 18, New Panvel, Navi Mumbai, Maharashtra- 410218, Tel: +91-22-27484227, e-mail: gurubara@iigm.res.in; su.gurubaran@gmail.com, Fax: +91-22-27480762

15. Statistics	Approved	<ol style="list-style-type: none"> 1. Prof. Dibyojyoti Bhattacharya, Department of Statistics, University, Silchar-788011, Assam, Tel: 09435170253, e-mail: djb.stat@gmail.com 2. Prof. Sudhansu, S. Maiti, Department of Statistics, Visva-Bharati, Santiniketan-731235, W. B. Tel: 09434013574, e-mail: ssm1@rediffmail.com 3. Dr. Saswata Sahoo, Chief Engineer, Adnace Technology lab, Samsung R & D Institute, Bangalore- 560037, India, Tel: 09538630123, e-mail: sas.sahoo@samsung.com; ssaswata@yahoo.co.in
16. Zoology	Approved	<ol style="list-style-type: none"> 1. Prof. Nirmalendu Saha, Department of Zoology, North-Eastern Hill University, Shillong- 793022, Meghalaya, Tel: 09436100836, e-mail: nsaha@nehu.ac.in; nsaha@hotmail.com; 2. Prof. Jagat Kumar Roy, Department of Zoology, Banaras Hindu University, Varanasi- 221005, UP, Tel: 09451525929, e-mail: jkroy@bhu.ac.in; 3. Prof. B. B. Jana, FNA, (Retired), Department of Zoology, University of Kalyani, Kalyani, Nadia, West Bengal- 741235, India, Tel: 9433533716, e-mail: bbjana@gmail.com

Agendum-4/04/16: To consider the names of Students to be enrolled for Ph.D. Registration in various subjects under respective Supervisor

Name of following research scholars for Ph. D. Registration in different Subjects were accepted and recommended to Academic council for approved.

S. N.	Name of the Scholar	Name of the Department	Name of the Supervisor	Title of Ph. D. Thesis	Date of approval for Ph.D. Registration
1.	Smt. Aditi Datta (Supervisor changed) from S. No. 50 of agenda No. 3/03/14 of 3 rd meeting of BFS dt. 28.11.2014	Electrical Engineering	Prof. Anjan Mukherjee, Department of Mathematics, T.U, Supervisor & Prof. A.K. Ghosh, Hon'ble Vice Chancellor, T.U, Co-Supervisor.	Design and Analysis of Optical Communication Systems with Chaos-Shift-Keying.	09.09.2014
2.	Sri Kanu Shil	Human Physiology	Dr. Sudipta Pal, Assistant Professor, Department of Human Physiology, T.U.	Alteration in Carbohydrate, Protein and Fat Metabolism in Liver, Kidney, Muscle and Brain Following Sub-Acute Chromium Exposure.	12.01.2015
3.	Smt. Pritha Das	Human Physiology	Dr. Sudipta Pal, Assistant Professor, Department of Human Physiology, T.U	Studies on Metabolic Homeostasis in mice following sub- acute lead.	12.01.2015
4.	Smt. Nabamita Nath	Human Physiology	Dr. Dipayan Choudhuri, Associate Professor, Department of Human Physiology T.U.	Studies on Correlates of Metabolic Syndrome Among Young Adults from Tripura.	12.01.2015
5.	Sri Utpal Pal	Mathematics	Dr. S. Bhattacharya (Halder), Asso. Prof., Department of Mathematics, T.U.	A Study on Bayesian Decision Theoretic Rough Set using R Package.	27.08.2015
6.	Smt. Debjani Rakshit	Mathematics	Dr. Shyamal Debnath, Assistant professor, Department of Mathematics, T.U.	Studies on I- Statistically Convergent Sequences.	27.08.2015

7.	Sri Kumarjit Saha	Physics	Dr. Anirban Guha, Assistant Professor Department of Physics, T.U.	Earth's lower ionosphere and its interaction with solar and Geophysical phenomena: A study using very low frequency (VLF) electromagnetic waves.	27.08.2015
8.	Sri Bapi Dey	Physics	Dr. S.A. Hussain, Assistant Professor Department of Physics, T.U.	Electrical and Optical Charac- terizations of Some Organic Molecules Assembled Onto Ultra Thin Films.	27.08.2015
9.	Sri Chandan Debnath	Physics	Prof. Debajyoti Bhattacharjee, Department of Physics, T.U.	Characterizations of Hybrid Langmuir-Blodgett (LB) Films Prepared by Electrostatic Interactions.	27.08.2015
10	Sri Sukhen Bhowmik	Chemistry	Dr. U. C. De, Assistant Professor, Department of Chemistry, T.U.	Synthesis and Biological Evaluation of Some New Derivatives of Chrysin and Quercetin.	28.08.2015
11	Smt. Aditi Bhaumik	Chemistry	Prof. R.K. Nath, Department of Chemistry, T.U.	Photophysical Studies of Some Organic Molecules in Solution and Ultrathin Films.	28.08.2015
12	Sri Bapu Saha	Chemistry	Dr. S. Chowdhury, Assistant Professor, Department of Chemistry, T.U.	Combined Experimental and Density Functional Theory Study on Copper and Rhen- ium complexes with N and O donor Ligands.	28.08.2015
13	Sri Jatan Debnath	Geography & Disaster Management ,TU.	Dr. N. Das (Pan), Associate Professor, Department of Geography & Disaster Management , T.U.	A Geo-Environmental Study on Land Use/ Land Cover Change in The Muhuri River Basin, Tripura, North-East India.	03.09.2015
14	Dr. Prabir Kr. Saha	Human Physiology	Dr. Dipayan Choudhuri, Associate Professor, Department of Human Physiology, T.U.	Studies on Assessment of Cardiovascular Risk in Hypothyroid Subjects.	11.09.2015
15	Sri Tamojoy Deb	Information Technology	Prof. Anjan Mukherjee, Supervisor & Prof. A.K. Ghosh, Hon'ble Vice Chancellor, T.U, Co-Supervisor.	Robust Face Recognition System with sparse Repres-entation with special Refer ence to Compressive sensing.	06.10.2015
16	Sri Sajal Kanta Das	Information Technology	Prof. Anjan Mukherjee, Department of Mathematics, TU, Supervisor & Prof. A.K. Ghosh, Hon'ble Vice Chancellor, T.U, Co- Supervisor.	Designing a Routing Protocol for Optical Wireless Communication Between Mobile Sensor Nodes.	06.10.2015
17	Smt. Kakali Das	CSE	Prof. B.K. De, Depart - ment of Physics, TU, Supervisor & Dr. M.K. Bhowmik, Assistant Professor, Department of CSE, T.U. Co-Supervisor	Prediction of Performance of Health Abnormality Detection Systems (HADSs) Based on Thermal Images.	18.11.2015

18	Smt. Tannistha Pal	CSE	Dr. Mrinal Kanti Bhowmik, Assistant Professor, Department of CSE, T.U.	Enhancement of Poor Visibility for Accurate Object Detection in Image Sequence.	18.11.2015
19	Smt. Shawli Bardhan	CSE	Dr. M. K. Bhowmik, Assistant Professor, Department of CSE, T.U.	Analysis of IR Images For Detection of Inflammatory Pain Related Diseases.	18.11.2015
20	Sri Saurav Biswas	Mathematics	Dr. Subrata Bhowmik, Assistant Professor, Department of Mathematics, T.U.	Lindelofness and its Heredity	23.11.2015
21	Sri Pijush Chandra Dey	Physics	Dr. Ratan Das, Assistant Professor, Department of Physics, T.U.	Synthesis of a few pure and doped group II-VI Semiconductor Nanocrystals by Chemical route for the study of their optical and elastic properties and their applications.	19.01.2016
22	Smt. Usha Rani Gogoi	CSE	Dr. M. K. Bhowmik, Assistant Professor, Department of CSE Supervisor & Prof. A.K. Ghosh, Vice-Chancellor, TU, (Co-Supervisor)	Analysis of Infrared Breast Thermograms for Abnormality Detection.	21.03.2016

Agendum-5/04/16: To consider and recommend the names of outside expert members for holding Ph.D. Public Seminar of Research candidates under Faculty of Science, T.U.

The name of outside expert members for holding Ph. D. Public Seminar of research scholars recommended by concerned BPGS and approved by the authority were reported and recommended to Academic Council for approval.

Agendum-6/04/16: To consider and recommend the list of names of examiners for evaluation Ph.D. Thesis to the Academic Council for different Subjects under Science Faculty of Tripura University

The list of examiners received from respective BPGS of 19- Ph. D. research scholars (Annexure- I), was reported and BFS of Science has recommended the list to the Academic Council for approval.

Agendum-7/04/16: To consider reports of the examiners appointed for adjudication of thesis along with Viva-voce report and to recommend them for the award of Ph.D. Degree

(a) Report were considered and recommended to Academic Council for award of Ph.D. Degree to the following candidates:

S.N.	Name of the Scholar	Department	Supervisor	Title of Ph. D. Thesis	Date of Viva-voce
1.	Sri Samir Malla	Zoology	Prof. Sukanta Banik, T. U.	Ecology, biology and aquaculture of <i>Ompok bimaeculatus</i> (Bloch) with reference to the fresh water ecosystems of Tripura, India.	20.01.2016
2.	Sri Purnendu Das	Mathematics	Dr. S. Bhattacharya (Halder), T. U.	Some Properties of Newly Constructed Fuzzy Transforms and its Applications in Numerical Analysis.	22.02.2016

Mr. Rousan Ali	Physics	Prof. B. K. De, T. U	VLF-LF characteristics in relation to solar activity and local climatic conditions.	Propagation	11.03.2016
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(b) To report the list of research scholars who have been awarded Ph. D. degree provisionally:

Award of Ph. D. Degree (Provisionally) to 8-research scholar in the light of resolution taken in miscellaneous agendum 8/03/14 (III) of 3rd meeting of BFS of Science dated 28.11.2014 were reported and recommended to Academic Council for approval (Annexure- II)

Agendum-8/04/16: To consider and recommend the names of Examiners, Paper and Moderators appointed for P.G. Courses.

Approved & Recommended. Departments under Faculty of Science who have not submitted the names of Examiners, Paper Setters & Moderators shall submit the list to the Controller of Examination at the earliest within 15th April, 2016.

Agendum-9/04/16: To consider and recommend the new syllabus of different P.G. Courses

No new Syllabus for different P. G. Course has been prepared.

Agendum-10/04/16: To consider and recommend the Choice Based Credit System (CBCS) new rule for P.G. Courses

The matter was reported to BFS of Science as it has already been approved by Deans Committee, T. U.

Agendum-11/04/16: To consider and recommend the new rule for admission to P.G. Courses

Approved with minor correction in the words & sentences as follows:

- (i) In Clause 8. III e. "Or equivalent" should be added before the word passed.
- (ii) In Clause 8. IV a. The word "submitted" be substituted with the word "deposited".
- (iii) In Clause 9 VIII Comma (,) be added after the word addition. In clause 9 VIII under heading Question pattern, the sentence "option for short question and/ MCQ may be set in IMD/B voc admission test" should be inserted after the sentence ending with two marks.
- (iv) In Clause 9 IX, the sentence 'the space----- the provide space' be substituted with the sentence 'The answer should be written within the space provided for respective question.
- (v) In clause 11, II, "excluding the Ph. D. scholars" should be inserted after the word "Question for the Entrance Test" in the 1st sentence.

Agendum-12/04/16: Miscellaneous with the permission of Chair.

(a) **Member felt the need of framing of rules & regulations for Qualification and designation for external expert for BPGS & RAC Committees:**

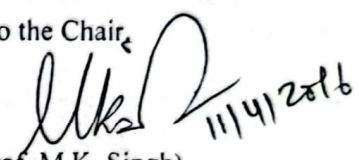
The matter was discussed and finally resolved that Director of IQAC, Tripura University shall be requested to frame the rules & regulations regarding qualification and designation of Board of Post Graduate Studies (BPGS) & Research Advisory Committee (RAC) members

(b) **Discussion on the point highlighted by the Vice-Chancellor in his address on the matter World Class Education to the members of the Board of Faculty of Science:**

Prof. B.K. Agarwala one of the members present in the meeting informed the house that he along with his colleagues in the department of Zoology tried to fill-up some information which was send to the department by the University authority by searching in the internet about World class Education and they couldn't find what actually World Class Education really means. After threadbare discussion, it was resolved that clarity and further discussion is required on the issue of World Class Education. It was also resolved that an interaction meeting with faculty members and the Vice-Chancellor T. U. might be arranged for making the concept of World Class, Education more clear.

After the miscellaneous agenda, the Chairman requested Dr. V. Ravi Kumar, External Member of the Board of Faculty of Science present in the meeting to say few words on the business of the meeting. After that, Dr. V. Ravi Kumar in his deliberation at first gave his heartiest thanks to the authority of Tripura for nominating him as one of the External Member of the Board of Faculty of Science, the Chairman for inviting him to attend the meeting and also to all members present. He was very pleased and appreciated the way the meeting was conducted in a very democratic manner. He wished all success to BFS of Science in its endeavors.

Then, the meeting ended with a vote of thanks to the Chair.


(Prof. M.K. Singh)

Dean, Faculty of Science & Chairman
Board of Faculty of Studies of Science
Tripura University

Copy to:

1. All Members of the Board of Faculty of Science
2. Pro Vice-Chancellor, T.U
3. The Dean, Faculty of Arts & Commerce, TU
4. The Registrar, TU
5. The Director, IQAC, TU
6. The Controller of Examinations, TU
7. The Director, CDC, TU
8. All Head(s)/Head-in-charge, under Faculty of Science Department, TU
9. Deputy Registrar(Academic), TU
10. P.S. to the Hon'ble Vic-Chancellor, TU
11. Ph.D. Section, TU


(Prof. M.K. Singh)

Dean, Faculty of Science & Chairman
Board of Faculty of Studies of Science
Tripura University

List of Ph. D. Research Scholars who have completed Pre-Ph. D. Public Seminar: (Agendum- 6/04/16)

Sl. No	Name of the Scholar	Name of the Department	Name of the Supervisor	Title of Ph. D. Thesis
1.	Smt. Mandakranta Roy (Thesis submitted)	Botany	Prof. B.K. Datta,	Seedling Morphology of Trees of Tripura and their Taxonomic Significance.
2.	Sri Ranjit Ghosh	Chemistry	Dr. U.C. De Assistant Professor,	Isolation and Structural Studies on Chemical Constituents of <i>Mussaenda Roxburghii</i> and some other Medicinal Plants.
3.	Sri Pranajit Paul (Thesis submitted)	Chemistry	Prof. R.N. Dutta Purkayastha	Synthesis, Structural Assessment and Reactivity Studies on Some Schiff Base and Mixed-Ligand Complexes of Manganese.
4.	Sri Dipankar Dey (Thesis submitted)	Chemistry	Prof. R.N. Dutta Purkayastha	Synthesis, Structural Assessment and Physico-Chemical Studies on some Complexes of Zinc.
5.	Smt. Moujuri Bhowmik	Geography & D.M.	Dr. N. Das (Pan), Associate Professor,	Fluvial Hazards and Their Impact on Socio-Economic condition in West Tripura District.
6.	Sri Subhajit Sen	Geography & D.M.	Dr. S. Mitra, Supervisor, Assistant Professor,	Geomorphic Processes Leading to the present-day Landform Features with Particular Reference to Tilla-Lunga Topography and their Impact on the Habitats in the West District of Tripura.
7.	Smt. Rina Rani Deb (Thesis submitted)	Geography & D.M.	Dr. N. Das (Pan) Associate Professor,	Channel Shifting of the River Khawai at Baganbazar, Alepsa and Kanchanghat, West Tripura.
8.	Sri Bhaskar Bhattacharjee (Thesis submitted)	Human Physiology	Dr. Debasish Maiti Associate Professor,	Immunological study of NK cell and Neutrophil in Leukemic Animal Model.
9.	Smt. Sutapa Datta (Thesis submitted)	Human Physiology	Dr. Dipayan Choudhuri Associate Professor,	Nutritional Status and Bone Health in Young adult College Students of Tripura from Different Ethnic Backgrounds.
10.	Sri Pradip Bhowmik (Thesis submitted)	Human Physiology	Prof. S.K. Sil,	Molecular Epidemiology of Hepatitis B Virus Infection in Tripura.
11.	Sri Surajit Bhattacharjee (Thesis submitted)	Human Physiology	Dr. Sudipta Pal Assistant Professor,	Mechanism of Arsenic Induced Oxidative stress in cardiac tissue: Role of certain antioxidants
12.	Sri Ajoy Kanti Das (Thesis submitted)	Mathematics	Prof. Anjan Mukherjee,	Intuitionistic Fuzzy Rough Relations And Its Generalization, Topological Structures Formed by Soft Multisets And Interval Valued Intuitionistic Fuzzy Soft Sets.
13.	Sri Mithun Datta (Thesis submitted)	Mathematics	Prof. Anjan Mukherjee	Study of Some Hybrid Models to Solve Some Real Life Problems.
14.	Smt. Piyali Debnath (Thesis submitted)	Mathematics	Dr. S. Bhattacharya (Halder)	If Soft Rough Oscillatory Region And It's Application.
15.	Smt. Kalyani Debnath (Thesis submitted)	Mathematics	Dr. S. Bhattacharya (Halder), Associate Professor,	On Bayesian Decision Theoretic Rough Set Model & Its Application.
16.	Sri Subrata Saha	Mathematics	Dr. Shyamal Debnath Associate Professor,	Studies on Some Generalized Sequence Spaces.
17.	Smt. Jayasree Bhattacharjee (Thesis submitted)	Physics	Prof. D. Bhattachajee,	Fabrication of Organised Molecular Assemblies in Ultra-thin Films and its Photo-physical Investigations.
18.	Sri Samik Acharjee (Thesis submitted)	Zoology	Dr. Shiv Shankar Singh, Assistant Professor,	Role of melatonin in modulation of HSP70 expression and immune function in thermally stressed mice.
19.	Sri Prashanjit Laskar	Zoology	Dr. Shiv Shankar Singh, Assist.Prof.	Modulatory role of melatonin in immune-endocrine regulation of thyroid function in mice.

List of candidates who have been awarded Ph. D. Degree. [Agendum- 7/04/16 (b)]

S. N.	Name of the Scholar	Department	Date of award	Supervisor	Title of Ph. D. Thesis
1.	Smt. Indra Ghosh	Chemistry	03.03.2016	Prof. R.K. Nath, T.U.	Spectroscopic characterization of some organized molecular assemblies in the restricted geometry of ultra thin films.
2.	Sri Prasenjit Rudrapaul	Chemistry	12.12.2015	Dr. U.C. De, & Prof. B. Dinda, Co- Guide.	Chemical constituent of vitex peduncularis and a few other medicinal plants of Tripura.
3.	Smt. Sushmita Paul	Geography & Disaster Management	02.12.2015	Prof. Sunil Kumar De, NEHU (Supervisor) & Dr. S. Mitra, T.U (Co-Supervisor)	Geomorphic Evolution and Micro structural Evidences of Environmental changes in the fold structures of eastern parts of south Tripura.
4.	Sri Abhijit Saha	Mathematics	12.12.2015	Prof. A. Mukherjee, T.U.	Intuitionistic fuzzy soft set relations, Intuitionistic fuzzy rough sets and their applications in decision making problems.
5.	Sri Abhijit Choudhury	Physics	02.12.2015	Prof. B.K. De, T.U.	Studies of various features of geophysical and solar events using subionospheric propagation
6.	Sri Abhijit Nath	Physics	18.12.2015	Dr. S. Chattopadhyaya, T.U.	Quantum Mechanical studies of the Electronic States and spectroscopic properties of some via intra group hetero nuclear diatomic molecules.
7.	Sri Kalipada Adhikari	Physics	18.12.2015	Prof. Dhiman Sinha, T.U (Supervisor) & Prof. B.K. De, T.U, Co- Supervisor.	Application of valence Universal multi-reference coupled cluster theory with full connected triple excitations on valence ionization potentials calculation.
8.	Smt. Monti Chakraborty	Physics	02.12.2015	Prof. B.K. De, T.U.	Studies on some solar activity parameters and their influence on ionospheric total electron content.