

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

Date: 16.10.2020

Proceedings of the 11th Meeting of Board of Faculty of Studies for Science
held on 14.10.2020 at 2.00PM via Online Google Meet

Members Present:

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| 1. Prof. S. Banik, Dean, Faculty of Science, T.U. | -Chairman |
| 2. Prof M K Singh, Dept of Chemistry, T.U. | -Member |
| 3. Prof R K Sinha, Dept of Botany, T.U. | -Member |
| 4. Prof R K Nath, Dept of Chemistry, T.U. | -Member |
| 5. Prof B K Datta, Dept of Botany, T.U. | -Member |
| 6. Prof Samir K Sil Dept of Human Physiology T U | Member |
| 7. Prof D. Bhattacharjee, Dept of Physics, T.U. | -Member |
| 8. Prof B.C. Tripathy, Dept of Mathematics, T.U. | -Member |
| 9. Prof P S Chaudhuri, Dept of Zoology, T.U. | -Member |
| 10. Prof A K Saha, Dept of Botany, T.U. | -Member |
| 11. Prof Swapan Majumder, Dept of Chemistry, T.U. | -Member |
| 12. Prof Surya Chattopadhyay, Dept of Physics, T.U. | -Member |
| 13. Prof D Maiti, Dept of Human Physiology, T.U. | -Member |
| 14. Dr. Bimal Debnath, Dept of Forestry & Biodiversity, T.U. | -Member |
| 15. Dr. Y.V. Krishnaiah, Dept of Geography & D.M, T.U. | -Member |
| 16. Dr. U.C. De, Dept of Chemistry, T.U. | -Member |
| 17. Dr. Sabyasachai Dasgupta, Dept of Forestry & Biodiversity, T.U. | -Member |
| 18. Dr. Swanirbhar Majumder, Dept of Information Technology, T.U. | -Member |
| 19. Dr. P. Karuna Purnapu Rupa, Dept of Material Science & Engineering, T.U. | -Member |
| 20. Dr. S. Bhattacharya (Halder), Dept of Mathematics, T.U. | -Member |
| 21. Dr. S. Ray Chaudhuri, Dept of Microbiology, T.U. | -Member |
| 22. Dr. Dipayan Choudhuri, Dept of Human Physiology, T.U. | -Member |
| 23. Dr. M.K. Bhowmik, Dept of Computer Science & Engineering, T.U. | -Member |
| 24. Dr. B.K. Sharma, Dept of Microbiology, T.U. | -Member |
| 25. Dr. Harjeet Nath, Dept of Chemical & Polymer Engineering, T.U. | -Member |
| 26. Dr. Bishanka Brata Bhowmik, Dept of E.C. E., T.U. | -Member |
| 27. Dr. Shyamal Debnath, Dept of Mathematics, T.U. | -Member |
| 28. Dr. Surajit Bhattacharjee, Dept of Molecular Biology & Bioinformatics, T.U. | -Member |
| 29. Dr. Sudipta Pal, Dept of Human Physiology, T.U. | -Member |
| 30. Dr. Prasenjit Sinha, Dept of Statistics, T.U. | -Member |
| 31. Dr. S.S. Singh, Dept of Zoology, T.U. | -Member |
| 32. Dr. Alak Roy, Dept of Information Technology, T.U. | -Member |
| 33. Dr. Chanpa Nandi, Dept of Electrical Engineering, T.U. | -Member |
| 34. Dr. Mithu Anjali Gayan, Dept of Library & Information Science, T.U. | -Member |
| 35. Dr. Ashutosh Kumar, Dept of Microbiology, T.U. | -Member |
| 36. Rajat Ghosh, Dept of Pharmacy, T.U. | -Member |
| 37. Dr. Pratap Acharya, Dept of Pharmacy, T.U. | -Member |
| 38. Sangita Das Biswas, Dept of Electrical Engineering, T.U. | -Member |

At the outset Prof S Banik, Dean, Faculty of Science & Chairman, BFS (Science) extended Greetings and Welcome to Highly Esteemed Honourable Vice Chancellor of Tripura University Prof Ganga Prasad Prasad and all the members of BFS (Science). Then the Chairman invited Honourable Vice Chancellor of Tripura University to kindly deliver his address before the august meeting. Honourable Vice Chancellor in his address extended Greetings and Welcome to all the members of BFS (Science) present in the programme and highlighted various aspects of BFS for greater academic interest of the University. Then the meeting has been started with agenda-

Agendum 1/11/20 To confirm the Proceedings of the 10th Meeting of Board of Faculty of Studies for Science held on 19.02.2020.

Resolution: Confirmed.

Agendum 2/11/20 To report the action taken on the Proceedings of the 10th Meeting of Board of Faculty of Studies for Science held on 19.02.2020.

Resolution: Reported.

Agendum 3/11/20 Approval of proposed BPGS of different Science Departments.

Sl. No.	Name of the Department	BPGS External Expert name
1.	Botany	Prof. Bhaben Tanti , Department of Botany, Gauhati University, Guwahati, Assam. Prof. S.S. Sharma , Department of Botany, Sikkim University, Gangtok, Sikkim. Prof. R.R. Pandey , Department of Life Sciences, Manipur University, Manipur
2.	Chemical & Polymer Engineering	Existing committee remains valid till now
3.	Chemistry	Prof. A.K. Panda , Department of Chemistry, Vidyasagar University, Midnapore, West Bengal. Dr. T.K. Misra , Department of Chemistry, NIT, Agartala. Dr. Alakananda Hajra , Department of Chemistry, Visva Bharati University, Santiniketan,
4.	Computer Science & Engineering	Prof. Debotosh Bhattacharjee , Department of Computer Science & Engineering, Jadavpur University, Kolkata. Prof. Phalguni Gupta , NITTR, A7, E Phase II F19, C T P, Haltu, Haltu Ramlal Bazar, Kolkata. Prof. Nityananda Sharma , Department of Computer Science & Engineering Tezpur University, Nappam, Sonitpur, Assam.
5.	Electrical Engineering	Prof. Saibal Chatterjee , Department of Electrical and Electronics Engineering, NIT Mizoram. Prof. Arabinda Das , Department of Electrical Engineering, Jadavpur University, West Bengal. Prof. Siddhartha Sen , Department of Electrical Engineering, IIT Kharagpur.
6.	Electronics & Communication Engineering	Existing committee remains valid till now.
7.	Forestry & Biodiversity	Prof. A.K. Negi , Department of Forestry and Natural Resources, H.N. B. Garhwal University. Prof. Amal Kumar Mondal , Department of Botany and Forestry, Vidyasagar University. Prof. Sushil Kumar Gupta , Division of Agroforestry, Faculty of Agriculture, SKUAST-Jammu.

8.	Geography & Disaster Management	Prof. B.C. Baidya , Centre for International Politics, Organization and Disarmament, School of International Studies, Jawaharlal Nehru University, New Delhi. Prof. Suresh Chand Rai , Department of Geography, Delhi School of Economics, University of Delhi. Prof. Lakshmi Sivaramakrishnan , Department of Geography, Jadavpur University, Kolkata.
9.	Human Physiology	Prof. Somnath Gangopadhyay , Department of Physiology, University of Calcutta, Kolkata. Prof. Chandradipa Ghosh , Department of Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal. Dr. Subhashis Sahu , Department of Physiology, Kalyani University, West Bengal.
10.	Information Technology	Prof. K. Chandrasekharan , Department of CSE, NIT Karnataka. Prof. T. Tuithung , Department of CSE, NIT Nagaland, Nagaland. Dr. Bibhas Sen , Department of CSE, NIT Durgapur, West Bengal.
11.	Library & Information Science	Existing committee remains valid till now
12.	Material Science & Engineering	Existing committee remains valid till now
13.	Mathematics	Prof. Rudra Kanta Deka , Department of Mathematics, Gauhati University, Prof. Kallol Paul , Department of Mathematics, Jadavpur University. Prof. Tanmoy Som , Department of Mathematics, IIT, Varanasi, U.P.
14.	Microbiology	Prof. Gobardhan Das , Department of Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi. Prof. R.K. Singh , Department of Botany, Rajiv Gandhi University, Rono Hills, Arunachal Pradesh. Prof. Manabendra Dutta Choudhury , Department of Life Science & Bio-informatics, Assam University.
15.	Molecular Biology & Bioinformatics	Prof. Anupam Chatterjee , Department of Bio Technology and Bioinformatics, North Eastern Hill University . Dr. Sib Sankar Roy , Senior Principal Scientist & HOD, Department of Biology & Physiology, CSIR, Jadavpur, Kolkata. Dr. Arobindo Ghosh , Assistant Professor, Department of Botany, Gauhati University,
16.	Physics	Prof. A. Srinivasan , Department of Physics, IIT, Guwahati, Assam. Prof. N. Nema Singh , Department of Physics, Manipur University, Manipur. Prof. Gautam Gangopadhyaya , Department of Physics, University of Calcutta, Kolkata, West Bengal.
17.	Statistics	Prof Sudhanshu Sekhar Maiti, Dept of Statistics, Visva Bharati Prof Rabindra Nath Das, University of Burdwan, West Bengal, Dr Subhra S Dhar, IIT, Kanpur
18.	Zoology	Prof. Sumit Homechoudhuri , Department of Zoology, University of Calcutta. Prof. N. Saha , Department of Zoology, North-Eastern Hill University. Prof. Bechan Lal , Department of Zoology, Banaras Hindu University.

Resolution: Proposed list of BPGS of the aforesaid departments have been approved.

Agendum 4/11/20 Proposal of Revised Syllabus and or Structure of syllabus etc of following Science departments:

- i. Department of Botany
- ii. Department of Chemistry
- iii. Department of Computer Science & Engineering
- iv. Department of Electronics & Communication Engineering
- v. Department of Forestry & Biodiversity
- vi. Department of Geography & Disaster Management
- vii. Department of Human Physiology
- viii. Department of Information Technology for MCA.
- ix. Department of Library & Information Science
- x. Department of Material Science & Engineering
- xi. Department of Mathematics
- xii. Department of Microbiology
- xiii. Department of Molecular Biology & Bioinformatics
- xiv. Department of Physics
- xv. Department of Zoology
- xvi. Department of B.Voc. (Rubber Technology).

Resolution: Revised Syllabus and/or Structure of syllabus etc of the aforesaid Science departments have been approved.

Agendum 5/11/20 Misc:

i. To report the names of Provisional Ph.D. Awarded candidates of the following Science Departments:

Sl.No.	Name of Scholar	Department	Name of Supervisor	Title of thesis	Date of award
1.	H. Reshmi Singha	Botany	Prof. RK Sinha (Supervisor) and Prof. Sangram Sinha (Co-Supervisor)	Genetic diversity and in vitro morphogenesis in two wild Solanum species of Tripura.	19.03.2020
2.	Sanjit Sutradhar	Chemistry	Prof. M.K. Singh, T.U.	Synthesis and Characterization of Complexes of Some Transition Metal ions with Some Dithiolate and Amine Ligands.	19.03.2020
2.	Tamal Majumder	Forestry & Biodiversity	Dr. Thiru Selvan, T.U.	Structural diversity and functional aspects of Agartala's Urban Forest Ecosystem, Tripura.	23.04.2020
3.	Madhusudan Debnath	Human Physiology	Prof. S. K. Sil, T.U.	Nutritional values, medicinal properties and molecular characterization of endemic earthworm <i>Eutyphoeus gammiei</i> of Tripura, India.	06.05.2020

4.	Sumanta Saha	Mathematics	Prof. Anjan Mukherjee, T.U (Supervisor) & Dr S Bhattacharya Halder, T.U (Co-Supervisor).	A study on Hybridized ICA, PCA, Rough Set model and its application in the field of Image Processing.	10.07.2020
5.	Somen Debnath	Mathematics	Prof. Anjan Mukherjee, T.U.	Generalization of fuzzy soft matrices and their applications.	10.07.2020
6.	Usha Rani Gogoi	Computer Science & Engineering	Dr. M.K. Bhowmik, T.U, (Supervisor) & Prof. A.K. Ghosh, Ex-VC, T.U. (Co-Supervisor).	Analysis of Infrared Breast Thermograms for Abnormality Detection.	10.09.2020
7.	Debasish Debbarma	Geography & D/M	Dr. Saptarshi Mitra, T.U.	Salient features of Auto Rickshaw Transport Services in Agartala Municipal Corporation Area in Tripura: A Geographical Appraisal.	10.09.2020
8.	Nandita Das	Chemistry	Prof.R.N. Dutta Purkayastha, T.U.	Synthesis Characterization Structure and Reactivity Studies on Hetero- Ligand Peroxotungsten (VI) Complexes.	10.09.2020
9.	Sourabh Chakraborty	Zoology	Prof. P.S. Chaudhuri, T.U.	The Ecology of Earthworm Species in the Bamboo Stands of west Tripura, with special Reference to the Biology of two Dominant Species.	10.09.2020
10.	Srijita Barman Roy	Mathematics	Prof. A. Mukherjee, T.U (Supervisor) and Dr. S. Bhattacharya Halder, T.U (Co-Supervisor).	A Study on Image Processing Techniques Using Various Generalized forms of ICA and PCA.	15.09.2020
11.	Utpal Pal	Mathematics	Dr. S. Bhattacharya (Halder), T.U.	A Study on Bayesian Decision Theoretic Rough Set using R Package.	15.09.2020

12.	Sudipta Sinha	Botany	Prof. A.K. Saha, T.U.	Mycorrhizal association and its influence on growth of selected species of Bamboos of Tripura.	23.09.2020
13.	Aprajita Singh	Zoology	Prof. S. Banik, T.U.	Biology and Aquaculture of Aar, <i>Sperata aor</i> (Hamilton, 1822) with reference to its Conservation.	23.09.2020
14.	Rahul Debnath	Human Physiology	Dr. Debasish Maiti (Supervisor) and Prof. D Ghosh (Co-Supervisor)	Studies on the Effect of Pineapple Extract (Bromelain and Peroxidase) on Leukemia and Lymphoma: An <i>in vitro</i> and <i>in vivo</i> Approach.	28.09.2020
15.	Susmita Saha	Human Physiology	Prof. S.K. Sil, T.U.	Molecular and cellular studies on wound Healing Activities of <i>Parkia javanica</i> , a Medicinal Plant of Tripura, North-East India.	07.10.2020
16.	Dipanwita Banik	Zoology	Prof. P.S. Choudhury, T.U.	Neurosecretory System and its Role in Regeneration and Reproduction of Epigeic, Endogic and anecic Species of Earthworms in Tripura (INDIA).	13.10.2020
17.	Bandana Das	Chemistry	Prof.R.K.Nath, T.U.	Adsorption of Dye and Bio-molecules on to Polyelectrolyte/ Surfactant complex Fabricated by Layer by Layer sequential technique.	13.10.2020
18.	Kartick Lal Bhowmik	Chemistry	Prof. R.K. Nath, T.U.(Supervisor) & Dr. Biswajit Saha, NIT, Agartala (Co-Supervisor)	Synthesis Characterization and application of Conducting Polymer Based Films and Metal Oxide Nanocomposite.	13.10.2020

Resolution: Reported.

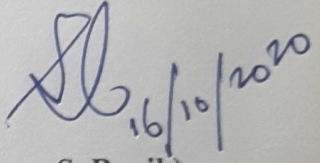
ii. Letter from Dept of I.T., T.U. related to Credit transfer via SWAYAM/NPTEL MOOCs.

Resolution: Approved.

iii. Letter of Prof Samir K Sil, Dept of Human Physiology, T.U- (Proposed Supervisor) with regard to Approval of the name of Outside expert- Specialised in Fisheries Science as proposed Co-supervisor in order to jointly Supervise Sri Achinta Singha of Tripura University for conducting research in Multidisciplinary area.

Resolution: For greater academic interest and also to encourage conducting Research in Multidisciplinary areas the name of proposed Outside expert- Specialised in Fisheries Science be approved.

The meeting ended with a vote of thanks to the Chair.


(Professor S. Banik)
Dean
Faculty of Science &
Chairman
BFS (Science)
Tripura University