

Department of Mathematics

Year of establishment:
1960

ADDRESS

THE UNIVERSITY OF BURDWAN
GOLAPBAG CAMPUS, BURDWAN,
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ABOUT THE DEPARTMENT

The Department of Mathematics has been offering PG courses in Pure and Applied Mathematics. The Department has excellent records of teaching and research. Based on its performance, University Grants Commission has identified the Department for Special Assistance Programme DRS (Phase-I, II, III) and DSA (Phase - I). For the last twenty years, the Department has been receiving financial assistance from National Board for Higher Mathematics (NBHM). Also, Department of Science and Technology (DST) extends financial support to the Department under FIST programme (Phase-I, II).

SPECIALIZATIONS

- Advanced Functional Analysis
- Advanced Optimization and Operations Research
- Algebraic Topology
- Measure and Integration
- Euclidean and non – Euclidean Geometries
- Operator Theory and applications
- Boundary Layer Flows and Magneto – hydrodynamics
- Turbulent Flows
- Quantum Mechanics

RESEARCH AREAS

- A. Fluid Mechanics, Chaos, Fractals & Turbulence
- B. Differential Geometry
- C. Operations Research
- D. Functional Analysis, Operator Theory
- E. Quantum Mechanics
- G. Summability Theory,
- H. Topology
- I. Abstract Algebra
- J. Computational Optimization and applications in Operations Research

R & D PROJECTS (ONGOING)

- CSIR
- DST
- UGC

List of Research Collaborators outside India:

- Prof. R.S. R. Gorla, Cleaveland State University, USA
- Prof. Y. Matsuyama, Japan
- Prof. CihanOzgür, Turkey
- Prof. SabyasachiKar, China
- Prof.Y. K. Ho, Taiwan
- Prof. Young Ho Kim, South Korea
- Prof. Lovejoy Das, Kent State University, USA
- Prof. Alfonso Carriazo, Spain
- Prof. I. Pop Romania
- LokenathDebnath , University of Texax, Pan American, Edinburg, Texas-78539, USA
- Prof. K. Vajravelu, Florida University, USA
- Prof. A. Ishak, *UniversitiKebangsaan Malaysia, Malaysia*
- Prof. S.G. Kryzhevich, St. PetersburgState University, Russia
- Prof. M.S. Uddin, Khulna University, Bangladesh
- Falleh R Al-Solamy, Soudi Arabia
- Prof. KurunathanRatnavelu, University of Malaya, Malaysia
- Prof. L.E. Cardenes-Barron, Mexico.
- Prof. Melvin Henriksen, Harvey Mudd College, California, USA
- Prof. John J Schommer, University of Tennessee at Martin, Tennessee,USA
- Prof. ParthaPratimGhosh, University of Kwa-Zulu Natal, Durban, South Africa
- Prof. F. Kh. Tazykov, Kazan National Technological Research University, Kazan,Russia

List of Distinguished Alumni

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Seminar/Conference/workshop organized during 2011-2016

Sl. No.	Year	Name of the conveners	Name of Conference /Seminar/Workshop	National/ International /State level	Funding Agency	Duration
1	2011	Dr. A.K. Banerjee & Dr. A. Ghoshal	National Seminar on Mathematics & Applications (NSMA 2011)	National	CSIR, UGC (Unassigned Grant)	February 24-25
2	2012	Dr. A. Ghoshal & Dr. Avijit Sarkar	National Seminar on Mathematics & Applications (NSMA 2012)	National		March 27-28
3	2012	Professor M. Saha & Dr. A. Ghoshal	Micro seminar on Nonlinear Phenomena	State level	UGC (Unassigned Grant)	July 18
4	2013	Dr. A. Ghoshal & Dr. S. Mukhopadhyay	National Seminar on Advances in Mathematics & Applications (AMA 2013)	National	UGC (DSA Phase- 1)	March 6-7
5	2014	Dr. A. Ghoshal & Dr. S. Mukhopadhyay	3rd International Conference on Frontiers of Mathematics & Applications (ICFMA 2014)	International	DST and CSIR	January 29-31
6	2014	Dr. S. K. Maity & Dr. P. Malik	A colloquium on 'The lives and works of Sir Asutosh Mookerjee and Acharya Brajendra Nath Seal: A retrospective Endeavour'	State level	UGC (Unassigned Grant)	March 26
7	2015	Dr. S. K. Maity & Dr. P. Malik	International Conference on Revisiting Ancient Mathematics and Mathematical Sciences (ICRAMMS-2015)	International	CSIR, West Bengal DST, UGC(DSA Phase- 1)	February 18-20
8	2015	Dr. S. K. Maity & Dr. P. Malik	One day Seminar on Life and Works of Sir Asutosh Mookerjee	National	UGC (Unassigned Grant)	April 08
9	2015	Dr. B. Mitra & Dr. B. Pal	National Seminar on lives and works of Srinivasa Ramanujan Iyengar	National	UGC (Unassigned Grant)	December 22
10	2016	Dr. B. Mitra & Dr. B. Pal	TIMC-BU Rgional UG Teacher Enrichment Programme on Curves and Surfaces	National	TIMC & UGC (Unassigned Grant)	January 13-19
11	2016	Professor A. K. Bhunia & Dr. A. K. Banejee	International Conference on Recent Trends in Mathematical Sciences and Applications (ICRTMSA – 2016)	International	DDE, BU	February 9 – 11

**LECTURES DELIVERED BY EMINENT SCIENTISTS AS INVITED SPEAKERS UNDER
CONFERENCE / SEMINAR / WORKSHOP DURING 2011-2016**

Professor P.K. Mukherjee, RKMVU & VB
Professor Sibasish Ghosh, IMSc, Chennai
Professor Aloknath Chakrabarti, IISc., Bangalore
Professor Dulal Pal, Visva- Bharati
Professor Himadri Majumdar, Pure and Applied Mathematics Unit, ISI, Kolkata
Professor Rajkumar Roy Choudhury, Pure and Applied Mathematics Unit, ISI, Kolkata
Professor T. Som, IT, BHU, Varanasi
Professor Puspajit Mandal, Visva- Bharati
Professor P. N. Deka, Dibrugarh University
Professor B.N. Mondal, Pure and Applied Mathematics Unit, ISI, Kolkata
Professor S. K. Samanta, Visva- Bharati
Professor M. M. Panja, Visva- Bharati
Professor S. Roy, IIT, Chennai
Professor D. C. Sanyal, Kalyani University
Professor U.C. De, Calcutta University
Professor A. Goswami, IIT, Kharagpur
Professor Bijan Bagchi, Calcutta University
Professor B.S. Bhadauria, School for Physical Sciences, BahasahebBhimrao Ambedkar
Professor D. C. Sanyal, Kalyani University
Professor Kallol Paul, Jadavpur University, Kolkata
Professor M. Basu, Kalkani University
Professor Naseem Ahamed, JamiaMilliaIslamia, New Delhi
Professor Pratulananda Das, Jadavpur University
Professor Samarjit Kar, NIT Durgapur, Durgapur
Professor G. S. Khadekar, RashtrasantTukadojiMaharaj Nagpur
Professor K.V. Prasad, VSK University, Bellary-583 104,Karnataka, India
Professor Susmita Sarkar, Calcutta University
Professor Supama, Gadjah Mada University, Indonesia
Professor F. Kh. Tazyukov, Kazan National Research Technological University, Russia
Professor Kurunathan Ratnavelu, Institute of Mathematical Sciences, University of Malaya, Kuala Lumpur, Malaysia
Professor Kharlamov Sergey Nikolaevich, Academician of RANS, Department of Theoretical Mechanics, Faculty of Mathematics & Mechanics, National Research Tomsk State University, Tomsk, Russia
Professor A.S.A. Noor, East West University, Dhaka, Bangladesh
Professor D. K. Sinha, Ex Vice-Chancellor, Visva-Bharati
Professor S. S. Alam, Former Vice-Chancellor, Aliah University
Professor S. B. Nimse, Vice Chancellor, Lucknow University
Professor Subenoy Chakraborty, Jadavpur University
Professor Binayak S. Choudhury, Indian Institute of Engineering Science & Technology, Shibpur
Professor A. K. Singh, Benaras Hindu University
Professor Dulal Pal, Visva- Bharati
Professor Kripasindhu Chaudhuri, Jadavpur University
Professor Vinayak Joshi, SavitribaiPhule Pune University
Professor Pradip Majumder, RabindraBharati University

Professor R. Kulkarni, Bhaskaracharya Pratisthana, Pune
Professor M.A .Latif, University of Rajshahi, Bangladesh
Professor S.K. Acharyya, University of Calcutta
Professor C. K. Basu, West Bengal State University
Professor Kajla Basu, NIT Durgapur
Professor S. Sardar, Jadavpur University

**LECTURES DELIVERED BY EMINENT SCIENTISTS AS VISITING PROFESSORS UNDER
UGC-DSA PROGRAMME DURING 2012-2016**

Professor Sabyasachi Kar, Centre for Theoretical Atomic and Molecular Physics, Academy of
Fundamental and Interdisciplinary Sciences, Harbin Institute of Technology, China
Professor P.G. Siddheshwar, Bangalore University
Professor Manjusa Majumdar, Calcutta University
Professor Pratulananda Das, Jadavpur University, Kolkata
Professor Sudeshna Banerjee, Jadavpur University, Kolkata
Professor A.H. Hasmani, Sardar Patel University, Gujrat
Professor Manjusri Basu, Kalayni University
Professor Manabendra Nath Mukherjee, Calcutta University
Professor Guruprasad Kar, P.A.M.U., ISI, Kolkata
Professor Zafar Ahsan, Aligarh Muslim University
Professor Madan Mohan Panja, Visva Bharati