ONE DAY INTERNATIONAL WEBINAR

ON

Mathematical Modeling and its Application

Organized by

Department of Mathematics
GOVT. GENERAL DEGREE COLLEGE, MURAGACHHA

सत्यमेव जयते

P.S.: Nakashipara, Dist.: Nadia, West Bengal-741154

18th September 2020

Google Meet: https://meet.google.com/idm-nzvq-pdg (restricted to first 100 participant)

You Tube Live steaming: https://youtu.be/vUuGhH4rYWY

PROGRAMME SCHEDULE ("IST" Format)

Session I (10:15 A.M - 12:30 P.M.)	
Programme Coordinator: Dr. Biswajit Saha, Assistant Professor (WBES), Govt. General Degree College, Muragachha	
Schedule	**Programme**
10:20 A.M.	Welcome Address by Dr. Tapas Ch. Saha, OIC, Govt. General Degree College, Muragachha
10:30 A.M.	Invited Talk by Dr. Md. Kamrujjaman, Associate Professor, Department of Mathematics, University of Dhaka **Title: Interplay of resource distributions and the significance of diffusion strategies in ecology**
11:10 A.M.	Invited Talk by Dr. Uttam Ghosh, Assistant Professor, Department of Applied Mathematics, University of Calcutta **Title: Basic concept of discrete ecological model**
11:50 A.M.	Invited Talk by Dr. Soumen De, Assistant Professor, Department of Applied Mathematics, University of Calcutta **Title: Interaction of Ocean waves with floating and submerged bodies**
Session II- Applied Mathematics (12:30 P.M. - 2:30 P.M.) Parallel Session (Paper Presentation)	
Session Link in Google Meet https://meet.google.com/idm-nzvq-pdg **Programme Coordinator:** Mr. Prabir Chakraborty, Assistant Professor (WBES), Department of Mathematics, Govt. General Degree College, Muragachha **Chairperson:** Dr. Uttam Ghosh, Assistant Professor, Department of Applied Mathematics, University of Calcutta	
Session III -Pure Mathematics (02:30 P.M. - 04:30 P.M.) Parallel Session (Paper Presentation)	
Session Link in Google Meet https://meet.google.com/idm-nzvq-pdg **Programme Coordinator:** Dr. Biswajit Saha, Assistant Professor (WBES), Department of Mathematics, Govt. General Degree College, Muragachha **Chairperson:** Dr. Pulak Sahoo, Associate Professor, Department of Mathematics, University of Kalyani	
04:30 P.M.	**Valedictory Session and Vote of Thanks**

***** Details of Technical Sessions *****

Session-II: Applied Mathematics

Time12:30 P.M. - 2:30 P.M

Time for each presentation: 10 min

Chairperson: Dr. Uttam Ghosh, Assistant Professor, Department of Applied Mathematics, University of Calcutta

Programme Coordinator: Mr. Prabir Chakraborty, Assistant Professor (WBES), Department of Mathematics, Govt. General Degree College, Muragachha.

List of Paper For Presentation in Session-II

SL No	Name, Designation, Email, Ph no, Date and Time of Submission	Department, Affiliation	Paper Title
1.	Ms. SUDESH KUMARI Lecturer sudeshmdu@gmail.com	Department of Mathematics, Govt College Meham M.D. University, Rohtak-124001, INDIA	ECONOMIC ANALYSIS OF A STOCHASTIC MODEL ON THREE-SIMILAR UNITS THREE-PHASED MISSION SYSTEM CONSIDERING LCFS PATTERN IN REPAIR
2.	Ms. RUJDA PARVEEN Research Scholar rujdaparveen93@gmail.com	Mathematics, Visva Bharati University Santiniketan, Bolpur, West Bengal-731235, India.	NUMERICAL STUDY OF HEAT TRANSFER AND FLUID FLOW OF MAGNETOHYDRODYNAMIC NATURAL CONVECTION IN A SINUSOIDAL ENCLOSURE FILLED WITH NANOFLUID
3.	Mr. SURAJIT DEBNATH Research Scholar surajitdebnath987@gmail.com	Applied Mathematics, University of Calcutta, 92 A. P. C. Road, Kolkata 700009, West Bengal, India	STABILITY AND BIFURCATION ANALYSIS OF A THREE-SPECIES FOOD CHAIN MODEL WITH SEXUALLY REPRODUCTIVE GENERALISED TYPE TOP PREDATOR AND CROWLEY-MARTIN TYPE FUNCTIONAL RESPONSE BETWEEN PREDATORS
4.	Mr. BIKRAM GHOSH Research Scholar bikramghosh13@gmail.com	Mathematics, Ramakrishna Mission Vidyamandira, Howrah, West Bengal-711202, India	WORMHOLE SOLUTION AND ENERGY CONDITIONS IN F(R) GRAVITY THEORY
5.	Mr. NIHAR SARKAR Assistant Professor nihar.city@gmail.com	Mathematics, City College, Kolkata, West Bengal, India	THE PROPAGATION OF HARMONIC PLANE WAVES IN A NONLOCAL THERMOELASTIC SOLID MEDIUM
6.	Mr. SANDIP DUTTA Research Scholar sdutta@scholar.buruniv.ac.in	Mathematics, The University of Burdwan, Golapbag, Purba Bardhaman, West Bengal 713104, India	MATHEMATICAL MODELLING OF VISCOUS ACCRETION FLOW TOWARDS SUPERMASSIVE BLACK HOLE
7.	Mr. ADITYA KUMAR PATI Research Scholar adityamathematics100@gmail.com	Mathematics, Centurion University of Technology and Management, Odisha, India	MODELING OF HEAT AND MASS TRANSFER IN NATURAL CONVECTIVE BOUNDARY LAYER FLOW OF A NANOFLUID OVER A VERTICAL FLAT PLATE
8.	Dr. KANIKA MANDAL Assistant Professor boson89@yahoo.com	Mathematics, Nalanda Mahila College, Bihar Sharif, Patliputra University, Bihar, India.	IMPROVED SIMILARITY MEASURE IN NEUTROSOPHIC ENVIRONMENT AND ITS APPLICATION IN FINDING MINIMUM SPANNING TREE.
10.	Mr. Kamal Kumar Pradhan Research Scholar kkpradhanmaths@gmail.com	School of Applied Science, Centurion University of Technology and Management, Paralakhemundi, Gajapati, Odisha, India	AN EXPLORATION ON MATHEMATICAL MODELLING FOR NANOFLUID SIMULATION
11.	Mr. NARAYAN DAS Assistant Professor narayandas8145@gmail.com	Mathematics, Government General Degree College, Dantan-II, Kashmuli, Porolda, Paschim Medinipur, 721445	PLANE HARMONIC WAVES IN NONLOCAL THERMOELASTIC SOLID OF TYPE III
12.	Dr. SOMNATH BHATTACHARYA Assistant Professor somnath94347@gmail.com	Physics, Durgapur Govt. College, Jawaharlal Nehru Avenue, Durgapur, Paschim Bardhaman, 713214	FIRST-PASSAGE TIME DISTRIBUTION OF NONLINEAR PERCOLATIVE RRTN MODEL

13.	Ms. SWAGATA RAY Research Scholar ray.swagata.06@gmail.com	Department of Applied Mathematics, University of Calcutta, 92, A.P.C. Road, Kolkata-700009, INDIA	WATER WAVE PROPAGATION OVER AN INFINITE STEP IN THE PRESENCE OF A THIN VERTICAL BARRIER
14.	Mr. KOUSIK MAITI Research Scholar kousikulu@gmail.com	Department of Mathematics, National Institute of Technology Rourkela, Rourkela-769008, India	ON ESTIMATION OF EXTENDED CHEN STRESS STRENGTH RELIABILITY MODEL WITH PROGRESSIVE CENSORING AND APPLICATIONS
28	Mr DIPAK MAJI Assistant Teacher dipakrumahiya2015@gmail.com	Kamargoria Rash Behari Basu Siskhaniketan, Purba Bardhaman, West Bengal, India	SPRUCE BURDWORM MODEL WITH AND WITHOUT DELAY

Session-III: Pure Mathematics
Time: 02:30 P.M. - 04:30 P.M.
Time for each presentation: 10 min

Chairperson: Dr. Pulak Sahoo, Associate Professor, Department of Mathematics, University of Kalyani

Programme Coordinator: Dr. Biswajit Saha, Assistant Professor (WBES), Department of Mathematics, Govt. General Degree College, Muragachha.

List of Paper For Presentation in Session-III

SL No	Name, Designation, Email, Ph no, Date and Time of Submission	Department, Affiliation	Paper Title
9.	Mr. SAYANTAN ROY Assistant Professor roysayantan6@gmail.com	Mathematics, Jhargram Raj College, Jhargram, West Bengal, India	TWO PROOFS OF THE QUADRATIC RECIPROCITY LAW
15.	Dr. SUJIT GHOSH Assistant Professor math.sujit6@gmail.com	Department of Mathematics, Krishnagar Government College, Krishnagar, Nadia, West Bengal, India	Normal Almost Contact Metric Manifolds Admitting Almost Ricci Soliton
16.	Mr. LAL MOHAMMAD SAIKH Student lalmohammadsaikh7@gmail.com	Department of Geography, The university of Burdwan, West Bengal, India. Pin No.-713104.	A GEO ENVIRONMENTAL ANALYSIS OF SOLID WASTE MANAGEMENT IN BERHAMPORE MUNICIPALITY, MURSHIDABAD DISTRICT, WEST BENGAL, INDIA
17.	DR. MANAB BISWAS Assistant Professor dr.manabbiswas@gmail.com	Department of Mathematics, Kalimpong College, Kalimpong, Dist- Kalimpong, PIN-734301, West Bengal, India.	(p,q)-ORDER AND (p,q)-LOWER ORDER OF ENTIRE FUNCTIONS OF SEVERAL COMPLEX VARIABLES ON THE BASIS OF CENTRAL INDEX
18.	Dr. RAM KRISHAN Assistant Professor ramk123.verma@gmail.com	Department of Mathematics, Govt. Degree College, Kathua-184101, Jammu & Kashmir	UPPER AND LOWER BOUNDS FOR ESSENTIAL NORM OF DIFFERENCE OF COMPOSITION OPERATORS
19	Mr. SAQIB MUBARAK Research Scholar saqibmubarak55@gmail.com	Department of Mathematics, University of Kashmir, Srinagar, India	AN ANALYTICAL APPROACH TO STUDY THE DRUG DIFFUSION THROUGH TRANSDERMAL DRUG DELIVERY SYSTEM
20	Mr. Debnath Goswami Assistant Teacher goswamidebnath143@gmail.com	Karcha Jr. High School, P.O: Bhangra ,Dist : Purulia, Pin : 723148, West Bengal, India	DIJKSTRA'S ALGORITHM FOR SHORTEST PATH PROBLEM UNDER HESITANT FUZZY ENVIRONMENT USING HESITANT FUZZY BONFERRONI MEANS
21	Mr. SUPRIYO HALDER Research Scholar ssupriyo2011@gmail.com	Department of Geography, DR.CV Raman University, Bilaspur, Chhattisgarh, India	IMPACT OF COVID-19 ON GLOBAL ECONOMY AND ENVIRONMENT DURING LOCKDOWN PERIODS

22.	Ms. SUDIPTA MUKHOPADHYAY Student mukhosudipta@gmail.com	Mathematics with Data Science, Institute of Mathematics and Applications, Bhubaneswar, India	MACHINE LEARNING IN PORTFOLIO OPTIMIZATION
23.	Ms. MANDOBI BANERJEE Research Scholar mandobibanerjee@gmail.com	Department of Mathematics, Jadavpur University, Kolkata-700032, West Bengal, India	INSCRIPTION ON STATISTICAL CONVERGENCE OF ORDER α
24.	Ms. ANJALI Assistant Professor anjalisharma234.as@gmail.com	Dept. of Mathematics, KLBDAV College Palampur	MATHEMATICAL MODELING IN NETWORK ANALYSIS
25.	Ms. MAHAK BHATIA Research Scholar mahak.bhatia@ruj-bsdu.in	Dept. of Mathematics, Bhartiya Skill Development University, Jaipur Defense Colony, Rajasthan, India	AGRI-WAREHOUSE MANAGEMENT – A CONCEPTUAL MODEL
26.	Mr. SUPRIYA BHUNIA Research Scholar supriya1995.sb@gmail.com	Dept. of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal, India	ON DIFFERENT PHENOMENON OF (α, β)-PYTHAGOREAN FUZZY SUBGROUPS
27.	MS. TAMOGHNI MANNA Research Scholar tamoghnimanna@gmail.com	Department of Human Physiology, Burdwan University, Hooghly, West Bengal, India	A COMPARATIVE STUDY OF PHYSICAL, PHYSIOLOGICAL AND ANTHROPOMETRICAL PROFILE OF YOUNG MALE TRIBAL AND NONTRIBAL FOOTBALLERS

NB1: Please check the list carefully who submitted the paper for presentation and if any mistake found then inform immediately.

NB2: The time limit for paper presentations is twelve (12) minutes. This total includes about two minutes for questions.

NB3: Presenter are requested to present their paper using PPT.

NB4: Due to huge registration, maximum 100 participants can join google meet in Session-I and rest can watch the live steaming at You Tube link https://youtu.be/vUuGhH4rYWY (Joining at Google Meet will be accordingly first come first Serve basis). In Session-II & III only paper presenter can join the Google meet and rest can watch the live steaming at You Tube link https://youtu.be/vUuGhH4rYWY

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