

**Report on One Day State Level Seminar:  
“RECENT DEVELOPMENT IN MATHEMATICS  
AND ITS APPLICATION”**

*Organised by*

*Department of Mathematics and IQAC, VIDYANAGAR COLLEGE*

*South 24 Parganas, West Bengal, Pin-743503*

*In Collaboration with*

*Bangabasi morning college.*

*19, Rajkumar Chakraborty Sarani , Kolkata -700009*

**DATE AND TIME:** 30<sup>th</sup> June of 2023

**VENUE :** *Google meet (Online mode) And Vidyanagar College(Offline mode ).*

**NUMBER OF PARTICIPANTS:** 72 Participants.

One Day State-Level Seminar (Blended Mode)

on

“Recent Development in Mathematics and its Applications”

Organised by

Department of Mathematics & IQAC

**Vidyanagar College**

*Jointly with*

Department of Mathematics & IQAC

**Bangabasi Morning College**

Date: 30th June 2023.

Venue: Vidyanagar College

**Time: 11 a.m onwards**



বইসো মা জ্যোতির্গম্য



Resource person	Topic	Major concepts
<p>Prof. (Dr.)  <b>Gorachand Chakraborty</b>            Professor ,            Department of Mathematics            Sidho Kanho Birsha University</p>	<p>“An introduction to fractal geometry and complex dyanamics ”</p>	<ul style="list-style-type: none"> <li>● Self- similarity occurs in most of the natural phenomena</li> <li>● The application of Euclid and Noneuclid geometry</li> </ul>
<p>Prof.(Dr.)  <b>Amiya Biswas</b>            Professor,            Department of Mathematics            Durgapur Government College            West Bengal</p>	<p>“RSA Cryptography : An algebraic method of secure communication ”</p>	<ul style="list-style-type: none"> <li>● RSA is one of the first public key cryptosystems and widely used for secure data transmission .</li> <li>● How to secure communication using algebraic method</li> </ul>
<p>Prof.  <b>Md. Mahatab Uddin Molla</b>            Professor ,            Department of Mathematics            Bangabasi Morning College            Kolkata</p>	<p>“Promethee method with Pythagoream fuzzy sets for Medical diagnosis problem ”</p>	<ul style="list-style-type: none"> <li>● Multi-Criteria Decision making problem</li> <li>● How to use Fuzzy set in classification of same symptoms deseases</li> </ul>

**Convener:**

Dr. Anjana Kundu , Associate Professor of Mathematics , Vidyanagar College .

**Organising Secretary:**

Gourab Das , Assistant Professor of Commerce , Vidyanagar College .

**Theme of the Seminar :**

To enlighten the faculty members of affiliated colleges regarding prospects and challenges for implementing National Education policy in Higher education institutions (HEIs) of West Bengal(WB).

## Phase-I (Online mode)

A screenshot of a Zoom meeting. The main window displays a presentation slide titled "RSA cryptography: An algebraic method of secure communication" by Dr. Amiya Biswas, Department of Mathematics, Durgapur Government College. The slide is shown within a Microsoft PowerPoint application window. The Zoom interface includes a top bar with the presenter's name "Amiya Biswas is presenting", a grid of participant avatars on the right, and a bottom toolbar with icons for mute, video, chat, and other functions. The time is 11:27 and the meeting ID is mfx-xdpz-ity.

A screenshot of a Zoom meeting. The main window displays a presentation slide titled "AN INTRODUCTION TO FRACTAL GEOMETRY AND COMPLEX DYNAMICS" by Dr. Gorachand Chakraborty, Assistant Professor, Department of Mathematics, Sidho-Kanho-Birsha University, Purulia, West Bengal. The slide features a background image of a fractal structure. The Zoom interface includes a top bar with the presenter's name "Gorachand Chakraborty is presenting", a grid of participant avatars on the right, and a bottom toolbar with icons for mute, video, chat, and other functions. The time is 10:22 and the meeting ID is mfx-xdpz-ity.



Phase-II(Offline mode)



## About the Speakers:



### **Gorachand Chakraborty**

At present, he is working as an Assistant Professor of Mathematics at Sidho-Kanho-Birsha University, Purulia. His thrust areas of research are Complex Dynamics and Value Distribution Theory. To investigate the dynamics of different class of transcendental meromorphic functions is our main focus.



### **Amiya Biswas**

## **Durgapur Government College · Department of Mathematics**

### **M.Sc., Ph.D**

Amiya Biswas currently works at the Department of Mathematics, Durgapur Government College, Durgapur, West Bengal, India. Amiya does research in Combinatorial Optimization using Evolutionary algorithms, Nature-inspired algorithms and metaheuristics in crisp, interval and fuzzy environments. He is currently working on some variants of Transportation Problem (TP) and Covering Salesman Problem (CSP).



**Name: Md Mahatab Uddin Molla**

**Department: Mathematics**

**Qualification: M.Sc (Pure Mathematics)**

**Designation: Assistant Professor**

**Area of Specialization: Fuzzy optimization, Harmonic Analysis**

**Contact No. (Optional):**

**E mail: mahatab.molla92@gmail.com**

**Teaching Experience: Honours and general course of B.Sc for one years**

**Research Extension: Multi-criteria decision making with uncertain environment**

**Awards: CSIR JRF-NET (2017), GATE-2016**





## Outcome of Seminar:

A State Level Seminar has been held on 30<sup>th</sup> June ,2023 in blended mode. The topic of this seminar was "Recent Development in Mathematics and it's applications". All the teachers and Students who participated in the seminar were glad to hear valuable lectures about this topic from all the speakers. As a result of this seminar they can visualized the application of Euclid and Non Euclid Geometry, also learned how to secure communication using algebraic method, moreover also got to know how to use Fuzzy Set in classification of some symptoms diseases. At the end this seminar offline speaker Md. Mahatab Uddin Molla, IQAC Coordinator of Vidyanagar College and Coordinator of the seminar has distributed certificates among the teachers and students on that day who were physically present in this seminar at Vidyanagar college.

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Signature of Principal

Vidyanagar College

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Signature of IQAC Coordinator

Vidyanagar College

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Signature of HOD ,Mathematics

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Signature of Principal

Bangabasi Morning college

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Signature of IQAC Coordinator

Bangabasi Morning College

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Signature of Conveners

**Sample Certificate**

One Day State-Level Seminar (Blended Mode)

ON

“Recent Development in Mathematics and its Applications”

Organised by

Department of Mathematics & IQAC

Vidyanagar College

Jointly with

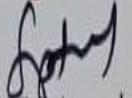
Department of Mathematics & IQAC

Bangabasi Morning College



**CERTIFICATE OF PARTICIPATION**


This is to certify that Prof./Dr./Sri/Smt..... NETAJEE PRASAD KUIRY..... of VIDYANAGAR COLLEGE..... has actively participated in the One-day State Level Seminar on “Recent Development in Mathematics and its Applications” organizes by the Department of Mathematics & the IQAC, Vidyanagar College jointly with the Department of Mathematics & the IQAC, Bangabasi Morning College on 30th June 2023.

  
Dr. S. P. Agarwala


Principal  
Vidyanagar College

  
Dr. Amitava Dutta

Principal  
Bangabasi Morning College

  
Dr. Arunima Ray (Chowdhury)

IQAC Coordinator  
Vidyanagar College

  
Dr. Anjana Kundu

Head, Dept. of Mathematics  
Vidyanagar College

