



# VIDYANAGAR COLLEGE

(ACCREDITED BY NAAC AND GRADED 'B+')

Vidyanagar, P.O.- Charashyamdass, South 24 Parganas

Pin - 743 503, Phone - (033) 2495 9218, West Bengal, INDIA

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Ref. No. :

Date : 09.03, 2023

## NOTICE

Department of Mathematics, Vidyanagar College is going to organize a State level seminar on "Recent Development in Mathematics and its Application", in collaboration with Bangabasi Morning College. The seminar will be held on 30.06.2023.

Interested persons may apply and register their names to the convener or the organising secretary. After successful completion of the seminar each participant will receive a certificate of participation.

*Anjana Kundu*  
09.03.2023

*S. P. Agarwala*  
9.3.23  
Dr. S. P. Agarwala  
Principal  
Vidyanagar College  
South 24 Parganas



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

*Organised by*

*Department of Mathematics and IQAC,*

**VIDYANAGAR COLLEGE**

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

*In Collaboration with*

**BANGANBASI 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.



*SP*  
30.6.23  
Principal  
Vidyanagar College  
South 24 Parganas

**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.**

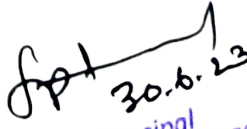
**Venue: Vidyanagar College**

**Time: 11 a.m onwards**



Resource person	Topic	Major concepts
Prof. (Dr.) <b>Gorachand Chakraborty</b> Professor, Department of Mathematics Sidho Kanho Birsha University	“An introduction to fractal geometry and complex dynamics ”	<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>
Prof.(Dr.) <b>Amiya Biswas</b> Professor, Department of Mathematics Durgapur Government College West Bengal	“RSA Cryptography : An algebraic method of secure communication ”	<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>
Prof. <b>Md. Mahatab Uddin Molla</b> Professor , Department of Mathematics Bangabasi Morning College Kolkata	“Promethee method with Pythagoream fuzzy sets for Medical diagnosis problem ”	<ul style="list-style-type: none"> <li>● Multi-Criteria Decision making problem</li> <li>● How to use Fuzzy set in classification of same symptoms diseases</li> </ul>



  
 30.6.23  
 Principal  
 Vidyanagar College  
 South 24 Parganas

**Convener:**

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

**Organising Secretary:**

Gourab Das , Assistant Professor of Commerce , Vidyanagar College .

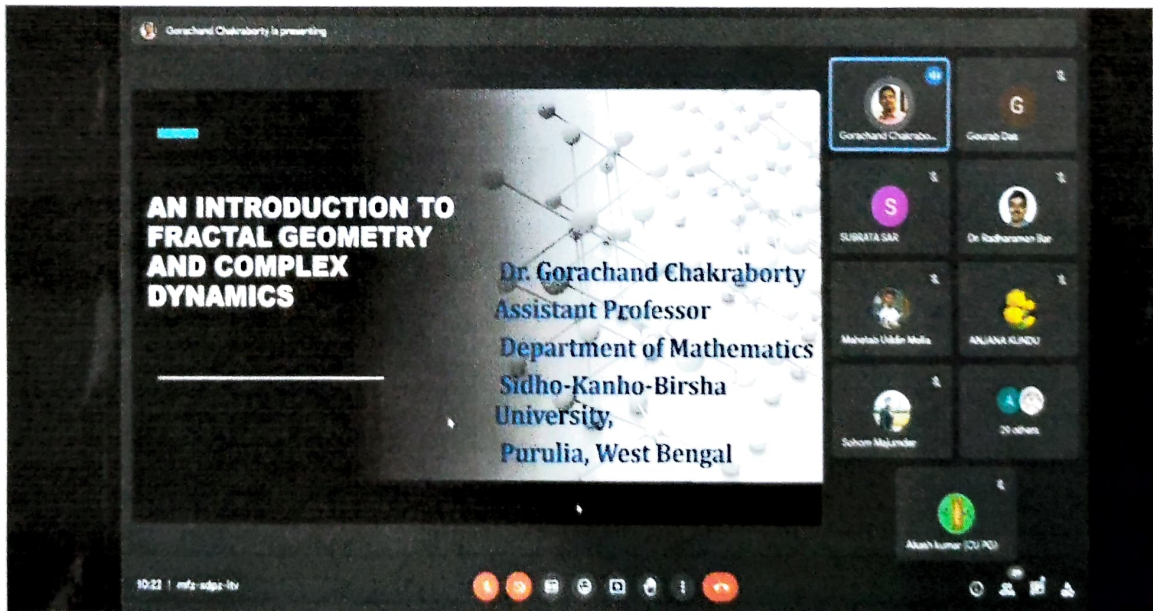
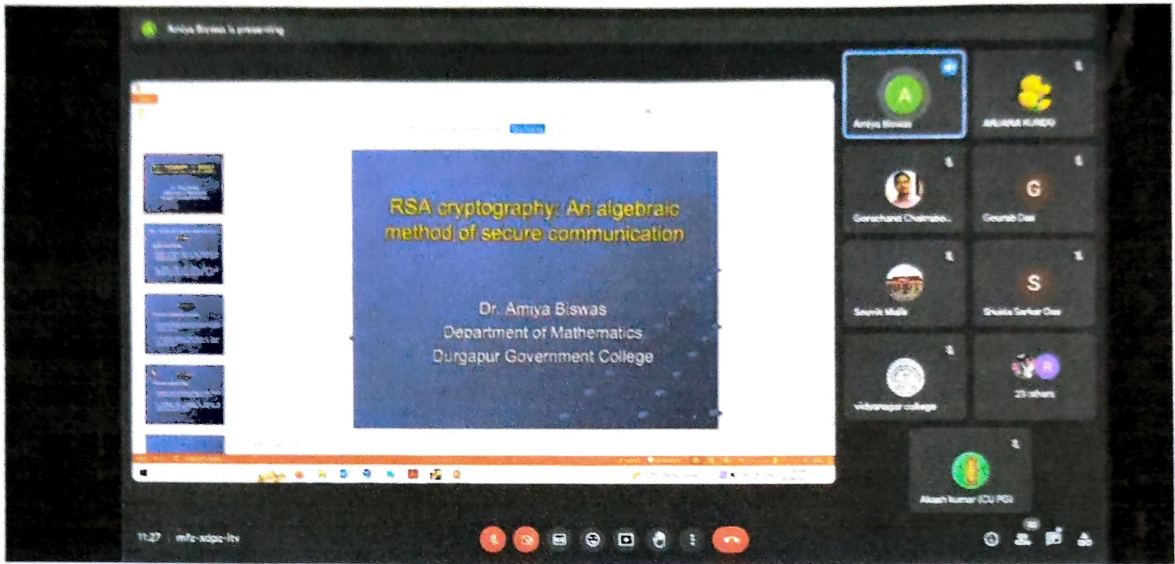
**Theme of the Seminar :**

The aim of the seminar is to bring together leading international experts to discuss the latest trends and advances in mathematics. The seminar covers a broad range of domains in mathematics and related fields including pure and applied mathematics, statistics, and mathematics education. This seminar 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).



*SP*  
30.6.23  
Principal  
Vidyanagar College  
South 24 Parganas

Phase-I (Online mode)



*Sgt* 30.6.23  
Principal  
Vidyanagar College  
South 24 Parganas

Phase-II(Offline mode)



*Spt*  
30.6.23

Principal  
Vidyanagar College  
South 24 Parganas

## About the Speakers:



### **Gorachand Chakraborty**

**Assistant Professor in Commerce, Sidho Kanho Birsha University**

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**

**Assistant Professor in Mathematics (WBES) Durgapur Government College**

Amiya Biswas currently works at the Department of Mathematics, Durgapur Government College, Durgapur, West Bengal, India. Amiya Biswas 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).



**Md Mahatab Uddin Molla**

**Assistant Professor in Mathematics, Bangabasi Morning College**

Prof. Md. Mahatab Udding Molla is currently working as an Assistant Professor in Mathematics at Bangabasi Morning College. His area of specialization is Fuzzy Optimization, Harmonic Analysis. He was awarded CSIR-JRF-NET-2015 and GATE -2017. He is now research with the Multi Criteria decision making with uncertain environment.



*Spt*  
30.6.23  
Principal  
Vidyanagar College  
South 24 Parganas



## Outcome of Seminar:

This seminar is intended to upgrade the existing knowledge in research and create deeper interest in mathematics. This workshop helps to develop the academic leadership, knowledge, sound presentation skills and attitudes necessary to pursue further research in mathematics to participants. The mathematical understanding required in the research journey in engineering and natural sciences will be enhanced through this seminar. 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.

*S.P.* 30.6.23

**Dr. S.P. Agarwala**  
Signature of Principal  
Principal  
Vidyanagar College  
South 24 Parganas  
Vidyanagar College

*Anita Das*

Principal  
Signature of Principal  
Bangabasi Morning College  
Kolkata - 700 009  
Bangabasi Morning college

*Annima Ray (Chowdhury)* 30.6.23

**Dr. Annima Ray (Chowdhury)**  
Signature of IQAC Coordinator  
Coordinator, IQAC  
VIDYANAGAR COLLEGE  
South 24 Parganas  
Vidyanagar College

*Padma Kumar Bar*

Coordinator, IQAC  
BANGABASI MORNING COLLEGE  
KOLKATA-700009  
Signature of IQAC Coordinator  
Bangabasi Morning College

*Arijana Kundu*

Signature of HOD, Mathematics

*Arijana Kundu*

Signature of Conveners

*S.P.* 30.6.23

Principal  
Vidyanagar College  
South 24 Parganas



## Sample Certificate



*[Handwritten Signature]*  
30/6/23  
Principal  
Vidyanagar College  
South 24 Parganas