

## Webinar Report

One day state National webinar on “**Recent Trends in Mathematics and its Application**”

Date: 21.09.2021 Time 11:00 am(IST) onwards

### Report of the Webinar

A webinar on “**Recent Trends in Mathematics and its Application**” was Organized by the Department of Mathematics in collaboration with IQAC, Rampurhat College, Birbhum, West Bengal, India on 21<sup>st</sup> September 2021, from 11:00 am (IST) onwards.

**Dr. Buddhadeb Mukherjee**, TIC, Rampurhat College, welcomed the resource persons **Prof. Zafar Ahsan**, Visiting Professor of Mathematics, Maulana Azad National Urdu University, Hyderabad (Telengana State), India and **Prof. Absos Ali Shaikh**, Professor of Mathematics, The University of Burdwan, West Bengal, India. The event was conducted by Dr. Ali Akbar, convener of this webinar and Assistant Professor, Department of *Mathematics*, Rampurhat College.

The webinar was held on Google Meet and also hosted on YouTube.

#### **Links:-**

**You Tube Link:** <https://forms.gle/LdmGnixa7ddNUcCD6>

**Google Meet Link:** <meet.google.com/muy-ezzz-giq>

The first eminent speaker **Prof. Zafar Ahsan** discussed on the topic of “Application of Differential Equations in Medical Science”. In his lecture, Prof. Ahsan explained the use of differential equation to calculate the estimated time of death of human being by using the simple ordinary differential equation (law of Cooling). Also he explained mathematical model to show how the typhoid disease is spread. He also explained mathematically when coronary heart disease or coronary artery disease occur and many more.

The second speaker **Prof. Absos Ali Shaikh** spoke on the topic of “Darboux Theorem and its Applications”. Prof. Shaikh firstly explained three important properties of real function namely continuity, differentiability and Intermediate value property. He then stated Darboux theorem in a multiple formate which was very interesting to the participants. Finally Prof. Shaikh explained how Darboux theorem is applied in the field of real analysis with proper example.



In question answer session both the resource persons cleared the doubts of the participant and lastly Dr. Prabal Kumar Sinha, IQAC Co-ordinator and Associate Professor of Philosophy gave vote of thanks to all the participants, resource persons and beloved students of the webinar. During the webinar session feedback link was sent to the message box of meeting link and about 135 participants replied through the link.


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***‘Recent Trends in Mathematics and its Application’***

Date: 21.09.2021 Time 11:00 am(IST) onwards

Platform: Google Meet

Organized by Department of Mathematics in collaboration with IQAC  
 Rampurhat College, Birbhum, West Bengal, India

Eminent Speakers	Title of the lecture
<p>Prof. Zafar Ahsan                      Visiting Professor of Mathematics                      Maulana Azad National Urdu University Hyderabad                      (Telengana State), India</p> 	<p>“Application of Differential Equations in Medical Science”</p>
<p>Prof. Absos Ali Shaikh                      Professor of Mathematics                      The University of Burdwan                      West Bengal, India</p> 	<p>“Darboux Theorem and its Applications”</p>

Chief Patron	Vote of Thanks	Convener	Jn. Convener	Organizing Committee
 <p>Dr. Asish Banerjee                      President of Governing</p>	<p>Dr. Buddhadeb Mukherjee                      Teacher-in -Charge                      Rampurhat College</p>	<p>Dr. Ali Akbar                      Assistant Professor                      Department of Mathematics                      Rampurhat College</p>	<p>Dr. Chitralkha Sarkar                      Assistant Professor                      Department of Mathematics</p> <p>Dr. Anup Saha                      Assistant Professor                      Department of Mathematics</p>	<p>1. Dr. Ashis Kumar Pal                      Associate Professor of Mathematics</p> <p>2. Dr. Prabal Kumar Sinha                      IQAC Co-ordinator and Associate Professor of Philosophy</p> <p>3. Prof. Amlan Jamadar                      Assistant Professor</p>

Body Rampurhat College				Department of Mathematics
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