

*Tuesday*



*Talk*



**MARCH 2025**

**HOSTED BY: RESEARCH DEVELOPMENT CELL AND FACULTY COUNCIL  
IN COLLABORATION WITH IQAC,  
PRASANTA CHANDRA MAHALANOBIS MAHAVIDYALAYA, KOLKATA**

**DATE: 11.03.2025**

**TIME: 1:30 P.M.**

**VENUE: TEACHERS' ROOM**

**MODERATOR: JUTHI SAHA**



**Identification of Dominant Factor of Cardiac Arrest  
by DEMATEL and AHP under Pythagorean Fuzzy  
Environment**

**Neha Ghorui Mundra**

**SACT**

**Department of Mathematics**



**Arka De Barman**

**SACT**

**Department of English**

**"The Perils of Excessive Imagination and Fantasy -  
When Creativity Crosses the Line"**



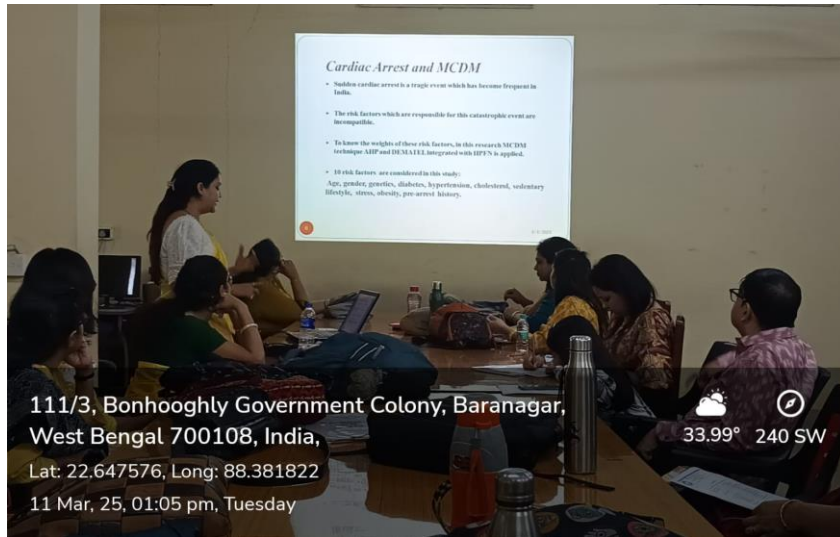
# TUESDAY TALK\_March, 2025

## **Identification of Dominant Factor of Cardiac Arrest by DEMATEL and AHP under Pythagorean Fuzzy Environment**

*Presented by Mrs. Neha Ghorui Mundhra, SACT – 1, Department of Mathematics, Prasanta Chandra Mahalanobis Mahavidyalaya*

### **Abstract**

Cardiac arrest is a major health problem nowadays amongst the young generation and is connected with a high mortality rate. In this research, significant factors responsible for cardiac arrest out-of-hospital have been studied in detail. Evaluation and identification of weights of these factors are extremely prioritized to bring awareness to common people. To determine factor weights and understand the inter-relationship between them, multi-criteria decision making (MCDM) tools AHP and DEMATEL have been utilized. Analytic hierarchy Method (AHP) is one of the popular MCDM tools used to calculate the weight of the factors. Decision making trial and evaluation laboratory (DEMATEL) has been used to understand the direct and indirect relationships between the factors and thus analyse the significance of these factors. To capture the hesitancy and uncertainty, Pythagorean fuzzy sets (PFS), a superior model compared to intuitionistic fuzzy sets has been integrated with MCDM tools AHP and DEMATEL. In this study, hexagonal Pythagorean fuzzy number (HPFN), an extension of PFS has been applied as it can effectively handle complicated real-life problems which require optimal decision-making.



Speaker

## **“The Perils of Excessive Imagination and Fantasy – When Creativity Crosses the Line”**

*Presented by Mr. Arka De Barman, SACT – 1, Department of English, Prasanta Chandra Mahalanobis Mahavidyalaya*

### **Abstract**

This Presentation problematizes the concept of ‘Imagination and fantasy’ that has been the subject of myriad arguments across multiple disciplines. The goal here is to specifically point out the dangers of too much imagining and fantasizing particularly how individual literary perception transmogrify into the destructive realities leading to a dystopic world of chaos, disease and dismal futures. The presentation takes a look the roles of imagination and fantasizing through the lens of various literary texts simultaneously encompassing the theories of Jung, Lacan, Allen and Peterson.



Speaker