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### ASTROPHYSICS

## EXPLORING THE HOT AND THE ENERGETIC UNIVERSE



On February 7, 2024, Dr. Nazma Islam delivered a colloquium titled "Exploring the Hot and Energetic Universe" at the School of Astrophysics. The talk focused on high-energy electromagnetic radiation and its role in tracing hot and energetic phenomena in the universe. Twenty-three listeners attended the event.

## TUNING INTO 'COSMIC HUM'



On February 21, 2024, Dr. Pratik Tarafdar delivered a colloquium titled "Tuning into 'Cosmic Hum': The First Hints of a Stochastic Gravitational Wave Background" at the School of Astrophysics. He discussed recent findings from various international collaborations, including the LIGO-Virgo collaborations and pulsar timing arrays, revealing the first strong hints of a cosmic gravitational wave background. Approximately thirty enthusiasts attended the talk.

## LOOPS IN PRIMORDIAL COSMIC INFLATION



On February 28, 2024, Prof. Sourav Bhattacharya from Jadavpur University, Kolkata, delivered a colloquium titled "Loops in Primordial Cosmic Inflation" at the School of Astrophysics. He discussed the impact of fluctuations and loops of quantum fields during the primordial inflationary stage of the universe.

## PRADHAN MANTRI KISAN SAMMAN NIDHI



The Indian Council of Social Science Research assigned Prof. Mousumi Dutta and Prof. Zakir Husain from the Economics Department to evaluate the Pradhan Mantri Kisan Samman Nidhi in Assam, Bihar, Jharkhand, and West Bengal. They collaborated with Prof. Diganta Mukherjee from the Indian Statistical Institute Kolkata and Prof. Dibyojyoti Bhattacharjee from Assam University, Silchar. A workshop was conducted on February 21, 2024, at the Economics department to present the study's findings.

## THE OPPORTUNITIES AND CHALLENGES OF UK-INDIANS RELATIONS SINCE BREXIT



On February 21st, the Department of History hosted Prof. Adam Fagan from King's College, London, at the A K Basak Auditorium. His talk, titled "The Opportunities and Challenges of UK-Indian Relations since Brexit: From High-Tech to Free-Trade Agreements," engaged students by linking historical contexts of England and India in pre-colonial and post-colonial eras, along with challenges in historical research and academic scholarship in the UK post-Brexit.

## LIFE OF A LITTLE MAGAZINE



On February 27th, the Department of History hosted a lecture titled "Life of a Little Magazine: Stories of the Bengalis in Burma" by Dr. Mrinmoy Pramanick from the University of Calcutta.



## DISTORTION OF HISTORY AND COMPETITIVE VICTIMHOOD



The seminar "Distortion of History and Competitive Victimhood" was held under the auspices of the Department of History on 15th February. Natalie Sineaeva-Pankowska discussed "Holocaust Denial in Eastern Europe: Moldova and Romania," followed by Professor Rafal Pankowski's lecture on "The Meaning of 'NEVER AGAIN' as a Universal Message: Confronting Competitive Victimhood and Building Bridges."

## PARITY AND THE POLITICS OF INDIA'S PARTITION



On February 16th, the Department of History hosted a lecture titled "The Muslim Secular: Parity and the Politics of India's Partition" by Dr. Amar Sohal from Corpus Christi College, University of Cambridge, at the A K Basak Auditorium. Dr. Sohal discussed his recent book of the same title, focusing on the ideas of prominent figures Abul Kalam Azad, Sheikh Abdullah, and Abdul Ghaffar Khan during the Indian freedom struggle.

## MARS MISSION

Swati Mohan, Mars Launch System Chief Engineer at NASA's Jet Propulsion Laboratory, recently visited the Presidency University to interact with and inspire the students and science enthusiasts, sharing her work experience in NASA's Mars 2020 Perseverance rover mission. The former director of M.P.Birla Institute of Fundamental Research, Dr. Debiprasad Duari moderated the event. The Derozio hall was filled with the applause of the audience who not only attended the talk on the sidelines of her presentation, "Mars 2020 launch to landing" but also interacted with the aerospace scientist at the end. Her journey instills hope in the limitless possibilities for those who aspire to dream big.



# SUCCESS STORIES



I was confident that my score would be good, but coming first is beyond expectations

Anisur Hoque

MD Anisur Hoque, an alumnus of the university has bagged the first position in Earth, Atmospheric, Ocean and Planetary Sciences at the Joint CSIR-UGC NET Examination. The university is also celebrating the success of around 180 students who have cleared different national level research based benchmark tests like NET, SET and GATE in the academic year 2023-2024.

The Department of Economics added another feather to their cap when four students of the Masters program in Applied Economics got their paper on "Reducing energy poverty: How to empower women and switch to clean fuel in India?" published in one of the top grade journals with an impact factor of 6.7 in the field of energy called 'Energy research & Social Sciences'.

The School of Astrophysics is happy to share that four students have gone for an observatory internship, to the Indian Institute of Astrophysics and ARIES, Nainital. It is a first-of-its-kind for a coursework and the students will definitely be enriched by the insights gained through this experience.

