



مولانا آزاد نیشنل اردو یونیورسٹی
مौलانا आज़ाद नेशनल उर्दू यूनिवर्सिटी
MAULANA AZAD NATIONAL
URDU UNIVERSITY
(Accredited Grade "A+" by NAAC)

COLLEGE OF TEACHER EDUCATION, BHOPAL

کالج آف ٹیچر ایجوکیشن، بھوپال

REPORT OF EXPERT LECTURE

on the occasion of

NATIONAL SCIENCE DAY: 28th Feb 2024

SCIENCE FOR A SUSTAINABLE FUTURE

By:

Mr. Tasneem Habib



National Science Day

National Science Day is celebrated across India on February 28 to honor the discovery of the Raman Effect by physicist Sir CV Raman in 1928. The Raman Effect is the inelastic scattering of light by molecules, a discovery that earned Raman the Nobel Prize in Physics in 1930, making him the first Asian to receive the prestigious award in any branch of science.

The theme for National Science Day 2024 is "Indigenous Technologies for Viksit Bharat," emphasizing the importance of homegrown innovations in India's scientific progress. This theme seeks to raise awareness about indigenous technologies that can contribute to the country's development and well-being. It is the celebration of India's scientific achievements and a reminder of the importance of science in society. It serves as an inspiration for future generations to pursue. On this occasion, an extension lecture was organized in MANUU CTE Bhopal. Dr. Tasneem Habib, who is presently an advisor to the Madhya Pradesh Council of Science and Technology, delivered the lecture.

Programme Committee



Patron
Prof. Noushad Husain



Convener
Dr. Talmeez Fatma Naqvi



Co-Convener
Dr. Shabana Ashraf

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Programme Schedule

Programme Details		Timings
Tilawat-e-Quran	Mr. Ahmad Husain	11:00 AM-11:05 AM
Welcome and Introduction of Dignitaries	Dr. Tarannum Khan	11:05 AM -11:10 AM
Lecture on "SCIENCE FOR A SUSTAINABLE FUTURE"	Mr. Tasneem Habib	11:10 AM -12:10 PM
Vote of Thanks	Dr. Shabana Ashraf	12:10 PM -12:15 PM

Dr. Tasneem Habib said that showing its indigenous technology prowess to the world, India has become the first country to have a Cartosat-3 satellite, which has a high-resolution imaging capability of 25 cm.

"In recent years, India has unequivocally demonstrated its prowess on the global stage through the development of indigenous technologies. Landmark achievements such as Chandrayaan, Mangalyaan, Vande Bharat, Covaxin, and more have showcased India's homegrown capabilities, propelling the nation towards self-reliance," said Tasneem Habib. These feats not only highlight India's technological advancements, but also underscore its journey towards becoming 'Aatmanirbhar', or self-reliant, in various critical sectors, he opined. Cartosat-3, the latest addition to India's renowned fleet of earth observation satellites, has been launched by the Indian Space Research Organization (ISRO) in November 2019. CARTOSAT-3 has since been instrumental in revolutionizing various sectors, including agriculture, urban planning, and disaster management.



Tasneem Habib while delivering an expert lecture

Equipped with state-of-the-art imaging sensors, CARTOSAT-3 boasts a remarkable resolution capability, allowing it to capture intricate details of the Earth's surface with unparalleled clarity. This capability has been pivotal in enhancing India's cartographic capabilities, facilitating precise mapping and resource management.

Tasneem Habib also called for documentation and validation of traditional tribal knowledge to augment India's technological advancements. He cited the example of Jhabua district of Madhya Pradesh which had developed the Pat system in which the peculiarities of the terrain are used to divert water from hill streams into irrigation channels. He also detailed the array of initiatives spearheaded by the MP Council of Science and Technology aimed at fostering scientific temper among the masses.

The celebration of National Science Day in CTE strives to ignite a continuous spark of curiosity and enthusiasm for science within the students, ultimately contributing to a future driven by scientific advancements.

The programme was concluded with the vote of thanks by Dr. Shabana Ashraf.

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