

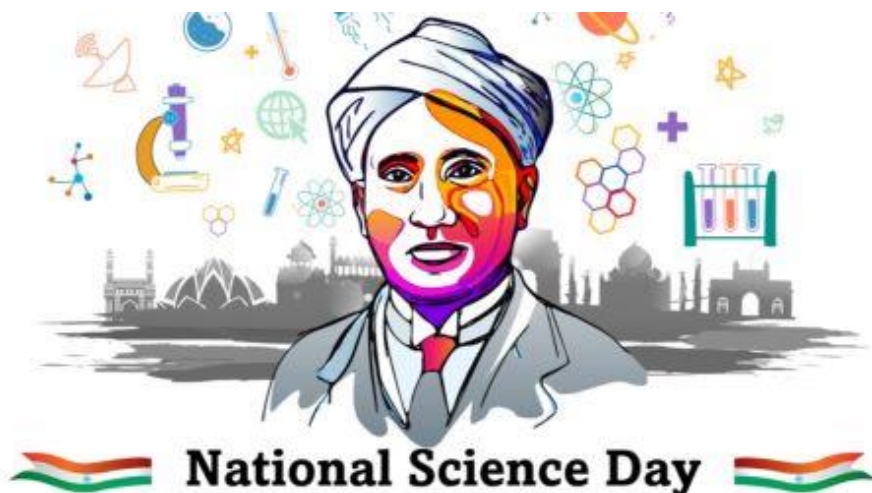


**KONERU LAKSHMAIAH EDUCATION FOUNDATION**  
Guntur District, Andhra Pradesh, Pin : 522 502 | Ph: 08645-350 200 | [www.kluniversity.in](http://www.kluniversity.in)

**NATIONAL SCIENCE DAY**  
“Indigenous Technologies for Viksit Bharat”

**28.02.2024**

**REPORT**



**National Science Day**

**Organized  
By**

**Department of Chemistry**  
**Koneru Lakshmaiah Education Foundation**

POSTER

**KL** (DEEMED TO BE UNIVERSITY)

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ACCREDITED BY NAAC WITH A++ GRADE

43 YEARS OF EDUCATIONAL LEADERSHIP

DEPT. OF CHEMISTRY, KLEF

**raṣayanika** STUDENT CLUB

**Guest Lecture**  
on  
**Data-Driven Insights in Materials Science:  
An Artificial Intelligence Approach**

**NATIONAL SCIENCE DAY**  
28th February 2024

**Dr. Nagababu Andraju**  
Scientist  
University of North Dakota, United States.

Time: 9: 30AM IST  
Venue: Scan the QR

National Science Day was celebrated on 28th February 2024 by Department of Chemistry with the theme " Indigenous Technologies for Viksit Bharat ". Prof. K. S. Jagannatha Rao, Pro- chancellor, K L University graced the occasion as the chief guest and delivered the National Science Day Lecture. The session was attended by Dr. M. Kishore Babu, Dean (MH& S), Dr. K. Subramanyam, Principal- College of Sciences, Dr K R S Prasad, Advisor- Student affairs, Dr A Venkateswara Rao, HOD- Chemistry and other dignitaries of K L University. The program began with prayer song and lamp lightening by guests. Ms. Shaik Gousia student of I M. Sc briefed the background of Sir C.V. Raman in whose memory we celebrate the National Science Day. Later the chief guest Prof K S Jagannatha Rao shared his words of wisdom and delivered the National Science Day Lecture citing a few innovative practices and perspectives in the field of science and technology. He also highlighted the need collaborative research for technological interventions and innovations for science-led development in the country. Later, Dr. K. Deepti, convener presided over the programme. The program was attended by Students, faculty, and research scholars of various departments.

Later, the team organized a seminar entitled "Data Driven Insights in Material Science: An Artificial Intelligence Approach". Dr Nagababu Andraju, Scientist, University of North Dakota, USA. Was the resource person. Post lunch, various events like science quiz, creative thinking, etc., were organized to the students. Students from various departments participated actively in the events. The programme was concluded with prize distribution by Dr K R S Prasad, Dean- student affairs and vote of thanks was proposed by Ms. Meghana followed by National anthem.

Total No. of Registrations to the events: 100

A Guest Lecture on "Data-Driven Insights in Materials Science: An Artificial Intelli..." Meeting Info 51:23

vijay yalamarthi Unverified Nagababu chennakesi Narendra Unverified Girishma Unverified Ramayanapu susmitha Dr. T. Anusha (8548) Unverified

Viewing Nagababu Andraju's applications 100%

# UNIVERSITY OF NORTH DAKOTA

## Data-Driven Insights in Material Science: An Artificial Intelligence Approach

Dr. Nagababu Andraju  
Research Scientist

UNIVERSITY OF NORTH DAKOTA  
COLLEGE OF ENGINEERING & MINES

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A Guest Lecture on "Data-Driven Insights in Materials Science: An Artificial Intelli..." Meeting Info 01:25:14

vijay yalamarthi Unverified Dr. T. Anusha (8548) Unverified Nagababu Andraju Unverified Amulya Unverified Girishma Unverified

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## ML for New Polymer Design

Polysiloxane- Optical, dielectric and mechanical

Objective 1: Data collection, pre-processing and representations of inorganic polymers

Objective 2: Design hybrid ML models and identify key structural and processing features

Objective 3: Synthesis and characterization of novel inorganic polymers

**Participants (54)**

DEPARTMENT OF CHEMISTRY... Me

Nagababu Andraju Host, presenter

Department of Chemistry Cohost

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Ankamma Rao Battula@gmail.com Amulya Unverified

B.Bhargavi Unverified

Balu Unverified

Borada Sai Satya Unverified

chennakesi Narendra Unverified

CHILAKALA SURESH REDDY

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A Guest Lecture on "Data-Driven Insights in Materials Science: An Artificial Intelli..." Meeting Info 9:4:26

vijay yalamarthi Unverified Ramana Reddy Muna... Unverified chennakesi Narendra Unverified Girishma Unverified Mahavardhan Minda Unverified Dr. T. Anusha (8548) Unverified

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## Importance of Material Science

- Materials science is the study of the structure, properties, and performance of materials, such as metals, ceramics, polymers, composites, and biomaterials.
- Materials science is an interdisciplinary field that combines physics, chemistry, engineering, and mathematics.
- Materials science aims to understand, control, and manipulate materials at different scales, from atoms to macrostructures.

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