



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



Institute's Innovation Council
Pt. Ravishankar Shukla University Raipur
IIC-PRSU

Institute Innovation Council

Pt. Ravishankar Shukla University, Raipur
Chhattisgarh – 492010

(Under The Initiative of Ministry of Education's Innovation Cell)

Aishe Code: U-0093

IIC ID: IC201810375

Report
IIC PRSU, Raipur
Conducted
Lecture Session
On
“Nano-materials for Energy”
On
Occasion
Of
“National Science Day 2025”
On
February 28, 2025



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75
Azadi Ka
Amrit Mahotsav

विकसित
भारत
अभियान
1947 TO 2047



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Poster



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IIC-PRSU

Institute Innovation Council
Pt Ravishankar Shukla University, Raipur

in association with
S.o.S in Physics and Astrophysics,

Pt. Ravishankar Shukla University, Raipur

Welcomes You

to mark the celebration of

“ National Science Day - 2025 ”

on

February 13, 2025 | 11:30 AM Onwards

📍 Venue

Seminar Hall, S.o.S in Physics



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Details of Event

Name of Program Type	IIC 7.0 (2024-2025) Celebration Activity “National Science Day”
Name of Program Theme	Lecture Session on Nano-material for energy applications
Objective	To inspire students and researchers to think creatively about the role of nano-materials in the future of energy solutions, encouraging innovation and new ideas for energy sustainability
Benefit	The session may spark ideas for future research projects and innovations in the energy sector, encouraging participants to contribute to advancements in nano-materials for energy applications
Duration of Activity	4 hours
Mode of Event	Offline
No. of Students Participants	28
No. of Faculty Participants	07
No. of External Participants	NIL
Expenditure Amount	3000



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Attendance

National Science Day-2025
(Date - 13/12/2025)

Attendance

Sl. No.	Name	Sign
1)	Dr. Dharmashankar	
2)	Satish Kumar	
3)	Srinivas Sahu	
4)	Jyoti	
5)	Pratiksha Sahu	
6)	Dharmashankar Kumar	
7)	Sanjay Chhabra	
8)	Kavita Verma	
9)	Vandana	
10)	Rameshwar	
11)	Gulshan Kumar Dhillon	
12)	Dr. S. S. Sahu	
13)	Dr. S. S. Sahu	
14)	Dr. Jagriti Sahu	
15)	Dr. Jagriti Sahu	
16)	Dr. Jagriti Sahu	
17)	Dr. Jagriti Sahu	
18)	Dr. Jagriti Sahu	
19)	Dr. Jagriti Sahu	
20)	Dr. Jagriti Sahu	
21)	Dr. Jagriti Sahu	
22)	Dr. Jagriti Sahu	
23)	Dr. Jagriti Sahu	
24)	Dr. Jagriti Sahu	
25)	Dr. Jagriti Sahu	

Sl. No.	Name	Sign
1)	Dr. Dharmashankar	
2)	Satish Kumar	
3)	Srinivas Sahu	
4)	Jyoti	
5)	Pratiksha Sahu	
6)	Dharmashankar Kumar	
7)	Sanjay Chhabra	
8)	Kavita Verma	
9)	Vandana	
10)	Rameshwar	
11)	Gulshan Kumar Dhillon	
12)	Dr. S. S. Sahu	
13)	Dr. S. S. Sahu	
14)	Dr. Jagriti Sahu	
15)	Dr. Jagriti Sahu	
16)	Dr. Jagriti Sahu	
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About the Event

To celebrate National Science Day, A lecture organized by IIC PRSU in collaboration with SoS in Physics and Astrophysics and IRETm, Pt. Ravishankar Shukla University, Raipur. Prof. Ravindra Pandey, Department of Physics, Michigan Tech University, Michigan, USA delivered a lecture on the topic of "Nano-materials for Energy" by Dr. Ravindra Pandey from Michigan Technological University, Michigan, USA.

IIC PRSU, Raipur and the School of Studies in Physics and Astrophysics (SOS) and IRETm, Pt. Ravishankar Shukla University (PRSU), Raipur, was honored to host Dr. Ravindra Pandey from Michigan Technological University, Michigan, USA, for a special lecture on Nano-material for energy applications. Dr. Pandey's expertise in this field provided valuable insights into the potential of nanomaterials to address our growing energy needs. His lecture began with a foundational overview of nanomaterials, explaining how the properties of materials change as their dimensions shrink from bulk (3D) to nanoscale, culminating in zero-dimensional quantum dots. He then showcased his research work on two-dimensional materials, particularly graphene, and how such materials can be utilized. The core of his presentation focused on the diverse applications of nanomaterials across various energy-related fields. Throughout his lecture, Dr. Pandey emphasized the importance of sustainable development and the need for environmentally friendly nanomaterials, while also discussing the challenges associated with large-scale production and applications.

The lecture was followed by a lively question and answer session, where students had the opportunity to interact directly with Dr. Ravindra Pandey and clear their doubts. Dr. Pandey patiently addressed each question, providing detailed explanations and sharing his insights. The one-on-one interactions after the session were particularly valuable, allowing students to engage in more in-depth discussions with Dr. Pandey about their specific research interests and career aspirations. Dr. Pandey's lecture was a truly inspiring experience for all the students and faculty present. His presentation not only provided valuable knowledge about the current state of nanomaterials research but also ignited a passion for scientific exploration in many students. The lecture and subsequent interaction with Dr. Pandey served as a significant motivation for students to pursue careers in the exciting field of nanomaterials. The SOS in Physics and Astrophysics is grateful to Dr. Pandey for sharing his expertise and inspiring the next generation of scientists. This event was a fitting tribute to National Science Day, celebrating the power of science to address global challenges and shape a better future.



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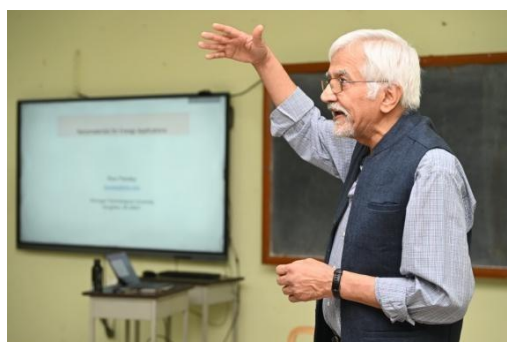
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Photos of the Event





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Conclusion

Dr. Pandey's lecture was a truly inspiring experience for all the students and faculty present. His presentation not only provided valuable knowledge about the current state of nanomaterials research but also ignited a passion for scientific exploration in many students. The lecture and subsequent interaction with Dr. Pandey served as a significant motivation for students to pursue careers in the exciting field of nanomaterials. The SOS in Physics and Astrophysics is grateful to Dr. Pandey for sharing his expertise and inspiring the next generation of scientists. This event was a fitting tribute to National Science Day, celebrating the power of science to address global challenges and shape a better future.

Dr. Kavita Thakur
President IIC

Pt. Ravishankar Shukla University, Raipur, Chhattisgarh- 492010