



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
PIN – 173234 (INDIA) Phone Number- +91-1792-257999
(Established by H.P. State Legislature vide Act No. 14 of 2002)



National Science Day Symposium (NSDS) 2025

On

*Empowering Indian Youth for Global Leadership in
Science & Innovation for Viksit Bharat*

**Jaypee University of Information Technology (JUIT),
Waknaghat, Solan, Himachal Pradesh**

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
Waknaghat, Solan, Himachal Pradesh

4th National Science Day Symposium (NSDS-2025)
By Department of Biotechnology and Bioinformatics, Department of Physics and Materials Science

OUR PATRONS

 Shri Manu Bhaskar Gaur CEO, JUIT	 Prof.(Dr.) R. K. Sharma Vice Chancellor, JUIT
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KEYNOTE SPEAKERS

 Dr. Shashi Kumar Group leader, Metabolic Engineering ICGEB, New Delhi	 Dr. Binesh Gupta Group leader, Translational Bioinformatics ICGEB, New Delhi
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CONVENER

 Dr. Tiratha Raj Singh Professor, Faculty In-charge, Media Relations JUIT

COORDINATORS

 Dr. Anil Kant Professor, BT and BI	 Dr. Ragini Raj Singh Associate Professor, PMS
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Activities for School Students

- Poster / Model competition on Science (School Students: Class 6-12)
- Declamation (School Students: Class 9-12)

Activities for UG/PG/PhD students

- Poster presentations for UG/PG/PhD students
- Popular Lectures on Biotechnology and Bioinformatics for University/College Student

Industry Knowledge

- Popular Lectures by two Eminent Scientists from ICGEB, New Delhi on Biotechnology and Bioinformatics

ATTRACTIVE PRIZES FOR SCHOOL STUDENTS

FIRST PRIZE: RS. 3000/- , SECOND PRIZE: RS. 2000/- , THIRD PRIZE: RS. 1000/-
Certificates will be given to all the Participants

28-Feb-2025 (09:00 AM Onwards)
Venue: Academic Block, JUIT, Waknaghat, Solan, HP



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Introduction

The National Science Day for the year 2025 was celebrated with great enthusiasm and scientific spirit at **Jaypee University of Information Technology (JUIT)**, Wagnaghat, Solan. The event was organized as the Fourth National Science Day Symposium (NSDS)-2025. This annual event, held on **February 28, 2025**, was dedicated to the theme: **“Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat,”** as proposed by the Department of Science and Technology (DST), Government of India.

This year’s celebration adopted an **exclusive offline format**, reviving the campus vibrancy through live interactions, competitions, and knowledge exchange. The event was jointly organized by the **Centre of Healtherae Technologies and Informatics (CEHTI)**, **Department of Biotechnology and Bioinformatics (BT & BI)** and the **Department of Physics and Materials Science (PMS)**.



Organizing Team and Dignitaries

The event was **convened by Prof. Tiratha Raj Singh**, and **coordinated by Prof. Anil Kant and Dr. Ragini Raj Singh**. The program was chaired by **Prof. P.B. Barman and Prof. Sudhir Kumar**. The celebration was inaugurated by the **Honourable Vice-Chancellor, Prof. R.K. Sharma**, in the presence of **Prof. A.K.**



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Gupta (Dean, Academics and Research), and Brig (Retd.) R.K. Sharma (Registrar and Dean of Students).

Keynote Speakers

Adding further prestige to the event, **Dr. Shashi Kumar (Group Leader, Metabolic Engineering)** and **Dr. Dinesh Gupta (Group Leader, Translational Bioinformatics)** from the **International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi**, joined as **keynote speakers** and graced the inaugural ceremony with their thought-provoking insights.

**JAYPEE UNIVERSITY**
OF INFORMATION TECHNOLOGY
HIMACHAL PRADESH (Shimla Hills)



Activities for School Students

Poster / Model competition on Science (School Students: Class 6-12)

Declamation (School Students: Class 9-12)

Activities for UG/PG/PhD students

Poster presentations for UG/PG/PhD students

Popular Lectures on Biotechnology and Bioinformatics for University/College Student

Attractive cash prizes for School Students

SACN FOR WEBSITE & REGISTRATION



28-Feb-2025 (09:00 AM Onwards)

Department of Biotechnology and Bioinformatics
Department of Physics and Materials Science

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY



4th National Science Day Symposium (NSDS-2025)

KEYNOTE SPEAKERS

**Dr. Shashi Kumar**
Group leader, Metabolic Engineering,
International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India

**Dr. Dinesh Gupta**
Group leader, Translational Bioinformatics

CONVENER

**Dr. Tiratha Raj Singh**
Professor, Faculty In-charge, Media Relations
JUIT, Waknaghat, Solan, H.P.

COORDINATORS

**Dr. Anil Kant**
Professor,
JUIT, Waknaghat, Solan, H.P.

**Dr. Ragini Raj Singh**
Associate Professor,
JUIT, Waknaghat, Solan, H.P.

Venue: Academic Block, JUIT, Waknaghat, Solan, HP



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Key Highlights of NSDS 2025

1. Poster and Model Presentation Competitions:

Participants from various schools, colleges, and universities across Himachal Pradesh displayed their scientific creativity through innovative posters and working models. Topics ranged from renewable energy and biotechnology applications to AI in healthcare.

2. Declamation Competition:

A special session of declamation provided students with a platform to voice their scientific thoughts on critical issues such as climate change, sustainability, and space exploration.

3. Keynote Talks:

- **Dr. Shashi Kumar** delivered an engaging and informative talk on **carbon emissions and global environmental challenges**, sensitizing students about the urgency of sustainable living and innovation.
- **Dr. Dinesh Gupta** captivated the audience with a session on **Artificial Intelligence applications in Bioinformatics, Healthcare, and Translational Research**, illustrated through real-world case studies and research insights.

4. Departmental Overviews:

- **Prof. S.K. Khah** outlined the various academic and research activities undertaken by the **Department of Physics and Materials Science**, highlighting its cutting-edge work in nanomaterials and energy physics.
- **Prof. Sudhir Kumar** shared the achievements and ongoing projects in the **BT & BI Department**, emphasizing the interdisciplinary integration of biosciences and data science.

5. Lab Visits and Student Engagement:

A guided laboratory tour was conducted for school and college students by **Prof. Hemant Sood**, offering them a glimpse into ongoing research activities, instruments, and experimental setups at JUIT.





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Participation and Recognition

This year's celebration saw active participation where more than 230 students and more than 30 teachers were present from educational institutions such as:

- **Tagore Vanasthali Public School, Kasauli**
- **Elite International School, Kandaghat**
- **DWPS, Kandaghat**
- **MRA DAV, Solan**
- **Saraswati Vidya Mandir, Shimla**
- **DIET, Solan**
- **Bahra University, Wagnaghat**
- **Rajkiya Kanya Mahavidyalaya (RKMV), Shimla** – A large delegation attended under the guidance of **Ms. Kartik Chauhan**, Dean of Sciences.

Students were evaluated by an esteemed panel of judges from JUIT's various departments including **Prof. Vineet Sharma, Prof. Jata Shankar, Prof. Gopal Bisht, Dr. Udayabanu, Dr. Poonam Sharma, Dr. Saurabh Srivastava, Dr. Saurabh Bansal, Dr. Surajit Hazra, Dr. Ashok Nadda, Dr. Santu Baidya, and Dr. Tyson.**

Winners across categories were honored with **certificates and attractive prizes**, recognizing their passion for science and innovation.



Support and Sponsorship

The successful conduct of NSDS-2025 was made possible with partial financial support from **HIMCOSTE (Government of Himachal Pradesh)** and **JUIT**, and was catalyzed by **NCSTC, DST (Government of India)**. The event also received **technical sponsorship** from the **Centre for Healthcare Technologies and Informatics (CEHTI), JUIT**.



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Conclusion

National Science Day 2025 at JUIT was a **vibrant confluence of knowledge, innovation, and youth engagement**. It stood as a shining example of how academic institutions can cultivate scientific curiosity and leadership among young minds. JUIT continues to set a benchmark in promoting the spirit of science, not only in Himachal Pradesh but across Northern India.

The celebration not only honored the legacy of **Sir C.V. Raman** but also reaffirmed JUIT's commitment to **empowering the next generation of Indian scientists and innovators**, in alignment with the vision of a **Viksit Bharat**.

Social Media Post

✚ <https://www.facebook.com/photo?fbid=1052312393604156&set=pb.100064762146376.-2207520000>

✚ <https://www.facebook.com/photo/?fbid=1052312390270823&set=pb.100064762146376.-2207520000>

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Detailed Technical Program

Jaypee University of Information Technology (JUIT)
Fourth National Science Day Symposium (NSDS) 2025
February 28, 2025
Technical Schedule

S. No.	Time (IST)	Event	Venue	Involvement
1	09:00 - 10:00 AM	Registrations	Registration Counter	Registration Committee
2	10:15 -10:40 AM	Welcome and Inauguration	LT-3	Organizing Team NSDS-2025
3	10:40 -11:00 AM	High Tea	Outside Auditorium	All of us
4	11:00 AM – 11:45 PM	Popular Lecture for College Students on “Industrial Application of Genetically Altered Algae in Carbon Capture and Sustainability”	LT-3	Dr. Shashi Kumar, ICGEB, New Delhi
5	11:45 AM – 12:30 PM	Popular Lecture for College Students on “Use of Artificial Intelligence in Biotechnology and Health Sciences”	LT-3	Dr. Dinesh Gupta, ICGEB, New Delhi
6	11:00 AM - 01:00 PM	Declamation	CR-3	Participants and Evaluation Panel
7	11:00 AM - 01:00 PM	Fixing of Models and Posters for School students and presentations	Academic Block (Ground Floor)	Presenting Students and Evaluation Panels
8	12:30-13:30 PM	Departmental Lab Visit for College Students	4th Floor, BT and BI	Prof. Hemant Sood and Team
9	01:00 - 02:00 PM	LUNCH	Annapurna	Organizing Committee and all Participants
10	02:00 - 03:00 PM	Fixing of Models and Posters for UG/PG/PhD students	Academic Block (Ground Floor)	Presenting Students and Evaluation Panels
11	02:00 - 02:30 PM	Departmental Lab Visit for School Students	4th Floor, BT and BI	Dr. Abhishek and Team
12	02:30 - 03:00 PM	“Offshoots: A Motivational Talk” for School Students	CR3	Prof. Sudhir Kumar, JUIT
13	03:00 - 04:00 PM	Valedictory and Goodbye Tea	LT-3 followed by Orange shed	All of us

Prof. Tiratha Raj Singh

Prof. Anil Kant & Dr. Ragini Raj Singh

Some Glimpses of the Event











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