

1st National Teachers' Science Conference (NTSC)

Focal Theme:

Transforming Education Through NEP 2020

Online Registration Link

<https://nostc.in/online-registration-ntsc/>

National Event Date: 05 to 08 November 2025

Venue

**N. H. Goel World School,
Raipur, Chhattisgarh**

Organised by

**Network of Organisations for Science and Technology
Communication, Pandavnagar, Delhi and**



N. H. Goel World School, Raipur, Chhattisgarh

About NOSTC

The Network of Organisations for Science and Technology Communication (NOSTC) is a leading force in advancing scientific literacy, awareness, and critical thinking among the public. Committed to bridging the gap between science and society, NOSTC designs and delivers dynamic outreach programs, interactive exhibitions, immersive workshops, and capacity-building trainings for educators, students, and communities across the country.

With a mission to make science accessible, relatable, and empowering in everyday life, NOSTC nurtures a culture of curiosity, innovation, and evidence-based decision-making. It plays a vital role in supporting educational institutions and aligning with national priorities such as the National Education Policy (NEP) 2020.

For over three decades, NOSTC has been at the forefront of science communication in India, building a vibrant ecosystem of more than 100 partner organizations. Together, they drive grassroots-level engagement, encouraging scientific inquiry and sustainable development through community participation. Through its inclusive and forward-thinking initiatives, NOSTC is not just spreading scientific knowledge—it's shaping a future where science serves as a tool for empowerment, progress, and global citizenship.

About N H Goel world School

N.H. Goel World School, Raipur actively aligns its educational practices with the vision of the National Education Policy (NEP) 2020. Emphasizing holistic, multidisciplinary, and skill-based learning, the school fosters critical thinking, creativity, and experiential learning among students. The curriculum integrates modern pedagogies with foundational literacy, numeracy, and values-based education. It encourages student choice, vocational exposure, and flexible learning pathways to promote lifelong learning. Teacher training, technology integration, and inclusive practices are key pillars of implementation. By nurturing curiosity and 21st-century skills, the school ensures students are prepared to face global challenges while remaining rooted in India's cultural and ethical values.

About National Education Policy (NEP) 2020

The National Education Policy (NEP) 2020 is a transformative vision aimed at overhauling the Indian education system to make it more holistic, flexible, multidisciplinary, and aligned with the needs of the 21st century. It emphasizes foundational literacy and numeracy, experiential learning, critical thinking, and the integration of vocational education from an early stage. The policy promotes mother tongue or regional language as a medium of instruction until at least Grade 5 and supports the use of technology in education. NEP 2020 aims to create engaged, productive, and contributing citizens by fostering creativity, ethics, and a lifelong love for learning.

Brief About National Teachers' Science Conference (NTSC) 2025

The National Teachers' Science Conference (NTSC) 2025 is a pioneering and prestigious national platform aimed at celebrating and empowering educators, who are shaping the future of science education and innovation. Scheduled from 05 to 08 November 2025 at N H Goel World School, Raipur, Chhattisgarh, this inaugural edition of NTSC aligns closely with the visionary objectives of the National Education Policy (NEP) 2020—particularly its focus on inquiry-based learning, critical thinking, and the integration of indigenous knowledge systems into mainstream education. NTSC 2025 will convene teachers, academic leaders, researchers, scientists, and policymakers from across the country to share innovative practices, pedagogical strategies, and classroom research. It will serve as a dynamic forum to exchange knowledge, showcase grassroots innovations, and foster collaboration in science education. The conference will feature paper presentations (oral, poster & demonstration), interactive workshops, thematic discussions, and exhibitions—all designed to highlight and celebrate teacher-led excellence and build a community committed to equitable, inquiry-driven science learning.

Objectives

- ◆ Implement NEP 2020 through practical strategies in education.
- ◆ Share and recognize innovative pedagogical practices and local experiments.
- ◆ Promote interdisciplinary, experiential, and multilingual approaches.
- ◆ Empower teachers through collaboration and research exchange.
- ◆ Explore the society interface for sustainable development.

Target Participants

- ◆ Secondary and Senior Secondary School and college Teachers of any discipline
- ◆ Educators, Science Communicators, and Curriculum Developers
- ◆ Scientists and Professors engaged in educational Institutions
- ◆ NGOs and Educational Institutions

Focal Theme

Transforming Education through NEP 2020

The National Education Policy (NEP) 2020 marks a bold and transformative shift in India's education landscape. Rooted in inclusivity, creativity, and critical thinking, the policy envisions an education system that is holistic, flexible, and aligned with the needs of the 21st century. NEP 2020 empowers learners by emphasizing foundational literacy and numeracy, experiential and inquiry-based learning, multilingualism, and the integration of science, technology, arts, and ethics. By focusing on learner-centric approaches and teacher empowerment, the policy aims to nurture well-rounded, innovative individuals prepared to thrive in a rapidly changing world. NEP 2020 also encourages local-global connections, bridging traditional knowledge with modern education to foster a new generation of informed, responsible, and future-ready citizens.

Sub Themes

Through these sub-themes, NTSC 2025 aims to inspire educators to reflect on their evolving roles as facilitators, researchers, and changemakers. The conference envisions building a vibrant community of educators committed to nurturing scientific temperament and contributing meaningfully to an equitable, sustainable, and knowledge-driven society. NTSC 2025 is set to inspire dialogue and action through these thought-provoking sub-themes.

1. **Inquiry-Based & Experiential Learning**
2. **Integrating Local Knowledge and Multilingualism in classroom Teaching**
3. **Use of ICT and Digital Tools in Education**
4. **Competency-Based Assessment** 5. **Skill / Vocational Education**

1. Inquiry-Based & Experiential Learning

This sub-theme focuses on approaches that encourage students to explore, ask questions, experiment, and construct knowledge through real-life experiences. Teachers are invited to share methods that promote hands-on learning, scientific inquiry, fieldwork, and problem-solving.

Educators are invited to present

- ◆ Inquiry-led lesson plans
- ◆ Case studies promoting experiential learning
- ◆ Classroom activities that build critical thinking

This approach positions students as active learners, making science engaging, relevant, and application oriented.

2. Integrating Local Knowledge and Multilingualism in class room Teaching

Aligned with NEP 2020, this theme emphasizes incorporating indigenous knowledge systems, traditional wisdom, and local resources into science teaching. It also encourages the use of multilingual approaches to make learning more inclusive and culturally relevant.

Educators are invited to present

- ◆ Lessons incorporating traditional practices or local examples.
- ◆ Use of mother tongue or bilingual strategies in teaching science.
- ◆ Activities that connect modern science with cultural context.

The goal is to make science more inclusive, rooted in students lived realities, and supportive of deeper engagement.

3. Use of ICT and Digital Tools in Education

This sub-theme highlights innovative use of digital tools—such as mobile apps, online platforms, simulations, and interactive media—to enhance the teaching-learning process. Projects may focus on digital pedagogy, blended learning models, and low-cost ICT solutions.

Educators are invited to present

- ◆ Use of simulations, virtual labs, mobile apps
- ◆ EdTech for students in remote or underserved areas
- ◆ Innovative blended learning or assistive technologies

Teachers are encouraged to showcase tech-based solutions that foster equity, accessibility, and creativity in science classrooms.

4. Competency-Based Assessment

This sub theme invites practices and frameworks that move beyond rote memorization to assess higher order thinking skills, practical application, and real-world problem-solving. Submissions may include rubrics, tools, or case studies on formative and summative assessment aligned to competencies.

Educators are invited to present

- ◆ Competency-based tools like rubrics, projects, portfolios.
- ◆ Activity-based and formative assessments.
- ◆ Real-world science tasks promoting scientific reasoning.

Teachers are encouraged to showcase tech-based solutions that foster equity, accessibility, and creativity in science classrooms.

5. Skill/ Vocational Education

This sub-theme highlights the importance of equipping students with practical skills and vocational competencies that prepare them for real-world careers and entrepreneurship. It emphasizes integrating hands-on training, technical know-how, and life skills within the school curriculum.

Educators are invited to present

- ◆ Innovative models of skill-based education.
- ◆ Case studies showcasing school-industry partnerships.
- ◆ Classroom or workshop activities that build employability and entrepreneurship.
- ◆ Success stories of vocational training transforming student outcomes.

This approach empowers learners with job-ready skills, fosters self-reliance, and bridges the gap between education and employment opportunities.

Language of Presentation

- ◆ Participants are welcome to present their papers in either Hindi or English, ensuring wider inclusivity and effective communication across diverse audiences.

Age Group

- ◆ There is no age restriction for participation- Individuals of all age groups are encouraged to contribute and share their insights.

Mode of Presentation

Participants can choose to present in either of the following formats : Individual or Institutional.

Individual Presentations: Participants may opt for only one of the following modes:

- ◆ Oral Presentation: Present your research or innovative ideas verbally. The presentation must be within 7 minutes.
- ◆ Poster Presentation: Display up to four posters to visually communicate your study, findings, or practices.
- ◆ Demonstration: Showcase your teaching aids, models, or experiments. A dedicated stall will be provided for your demonstration.

Institutional Presentations: Institutions can participate in the following formats:

- ◆ Poster Presentation.
- ◆ Demonstration.

This structure allows both individuals and institutions to share their work effectively, encouraging creativity, innovation, and hands-on engagement.

Registration Guidelines

- ◆ Registration will be accepted through online mode only <https://nostc.in/>

A. Individual Participants

Registration & Submission of Abstract

Interested individuals must register along with an extended abstract (minimum 500 and maximum 600 words) by 05th September 2025. Abstract must contain the background, the methodology, and the conclusions that highlight its relevance and potential impact.

Registration Fee

₹500 per participant - for individual participants registrations submitted on or before 25th August 2025

₹1500 per participant - for late registrations submitted between 26th August to 5th September 2025

Selection & Invitation

Participants will be selected based on the quality and relevance of their extended abstracts. Selected individuals will be invited via e-mail to present their work during the event.

Support for Selected Participants

The organizers will provide travel allowance (TA), lodging, and boarding to selected presenters only.

Certification

All registered participants will receive a Participation Certificate. Selected presenters will be awarded a Selection Certificate recognizing their contribution. This process ensures that quality contributions are highlighted while providing recognition and support to deserving participants.

B. Institutional Participants

- Registration will be accepted through online mode only Login <https://nostc.in>, go to the NTSC Registration Menu, a registration page will be open, fill all the fields and submit the form.

Registration & Submission

Institutional participants must register along with an extended abstract by 25th August 2025 to confirm participation. Abstract must contain background, approach adopted, and the outcomes or conclusions.

Registration Fee

₹5000 per Institution for registrations submitted on or before 25th August 2025.

₹7500 per Institution for late registrations submitted between 26th August to 5th September 2025.

Representation & Support

Each institution can nominate a maximum of two representatives, who will be provided with lodging and boarding by the organizers. Travel expenses (TA) will need to be borne by the respective institution.

Additional Participants

- For any accompanying or extra person, a registration fee of ₹4000 per person will be applicable. Lodging and boarding for such participants will be arranged accordingly.
- This format encourages institutional involvement while ensuring structured participation and adequate support for representatives.

Account details for depositing the registration fees

Name of A/c Holder: Network of Organizations for Science and Technology Communication

Account No.: 349902031003079

IFSC: UBIN0534994

Name and Address of Bank: Union Bank of India, Safdarjung Development Area, New Delhi

Awards & Recognitions

To honour exemplary contributions and innovative practices, the following awards will be presented

Institutional Awards

NEP 2020 Implementation Award (Separate categories for Schools and Colleges)

- Winner: ₹51,000 cash prize + Certificate + Memento
- Runner-Up: ₹21,000 cash prize + Certificate + Memento

Regional Institutional Awards (Separate categories for Schools and Colleges)

- Winner: ₹11,000 cash prize + Certificate + Memento
- Runner-Up: ₹51,00 cash prize + Certificate + Memento

Individual Awards

Best Presentations in Each Category (Oral / Poster / Demonstration)

Top 3 participants in each category will be awarded with

- Certificate of Excellence + Memento + Special Recognition + Cash award (will be decided by the organising committee) during the event.

These awards aim to recognize outstanding efforts in promoting innovation, skill development, and NEP 2020 implementation at both institutional and individual levels.

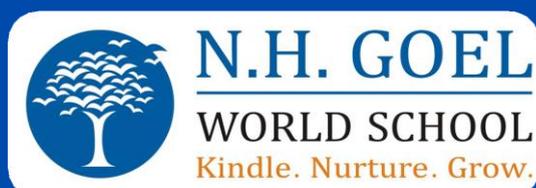
Conference Highlights

- Teacher activity & Scientist talk under the guidance of Dr N.J. Bhatt, Retd. Scientist ISRO.
- Presentation of Educator-led Innovations aligned with NEP 2020.
- Skill-based Workshops on pedagogy, assessment, and digital integration.
- Expert Panels featuring policymakers, researchers, and academicians.
- Interactive Exhibits of models, teaching aids, and community tools.
- Workshop on discussion about the quality circle in the school by Dr Vinita Kamran, Director Principal CMS Lucknow.
- Exhibition by Forest Department, Tourism Department, Govt of Chhattisgarh, Reputed Universities and Institutions of India.
- Workshop on Prakruti Media Shala by Science Centre (GWL) Madhya Pradesh.



NOSTC

NETWORK OF ORGANIZATIONS FOR SCIENCE
AND TECHNOLOGY COMMUNICATION



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- Assam State Council of Science & Technology

- Lovely Professional University, Ludhiana Punjab
- SAM Global University Madhya Pradesh
- Forest Department Chhattisgarh
- Govt. of Tourism Chhattisgarh
- CITY Montessori School, Lucknow, UP

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Science Coordinator & Board member of NOSTC & ISQC, NH Goel World
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Organizer

Network of Organisation for Science and Technology
Communication (NOSTC)

E-56, first Floor, Samaspur Road, Pandavnagar, Delhi 110 091, Email: ncstc.org@gmail.com

For any quarry, Contact Us - 

Mr. S.K. Sinha - 9879896331 / 7016448177

Ms. Sandhya Varma - 9131499477

Mr. M.N. Singh - 9131333862, 9644085991



ncstc.org@gmail.com



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Memories

