

11-12 January 2025
Fergusson College, Pune



**India Science
Festival**



FAST
INDIA

Presents

India Science Festival 2025

Ideas to Impact: Science for the People

IN PARTNERSHIP WITH



THE WORLD'S
FAVOURITE
INDIAN



65+ Talks

Talks and panel discussions with global leaders from MIT, Harvard, IIT's, IISc and more!

25+ exhibits

Exhibits on Large Hardon Collider, Robotics showcase, Drones, Escape Room and more!

Rs 5 lakh+

Worth of prizes to be won in Games, Competitions and Lucky Draw!

www.indiasciencefest.org/isf-2025

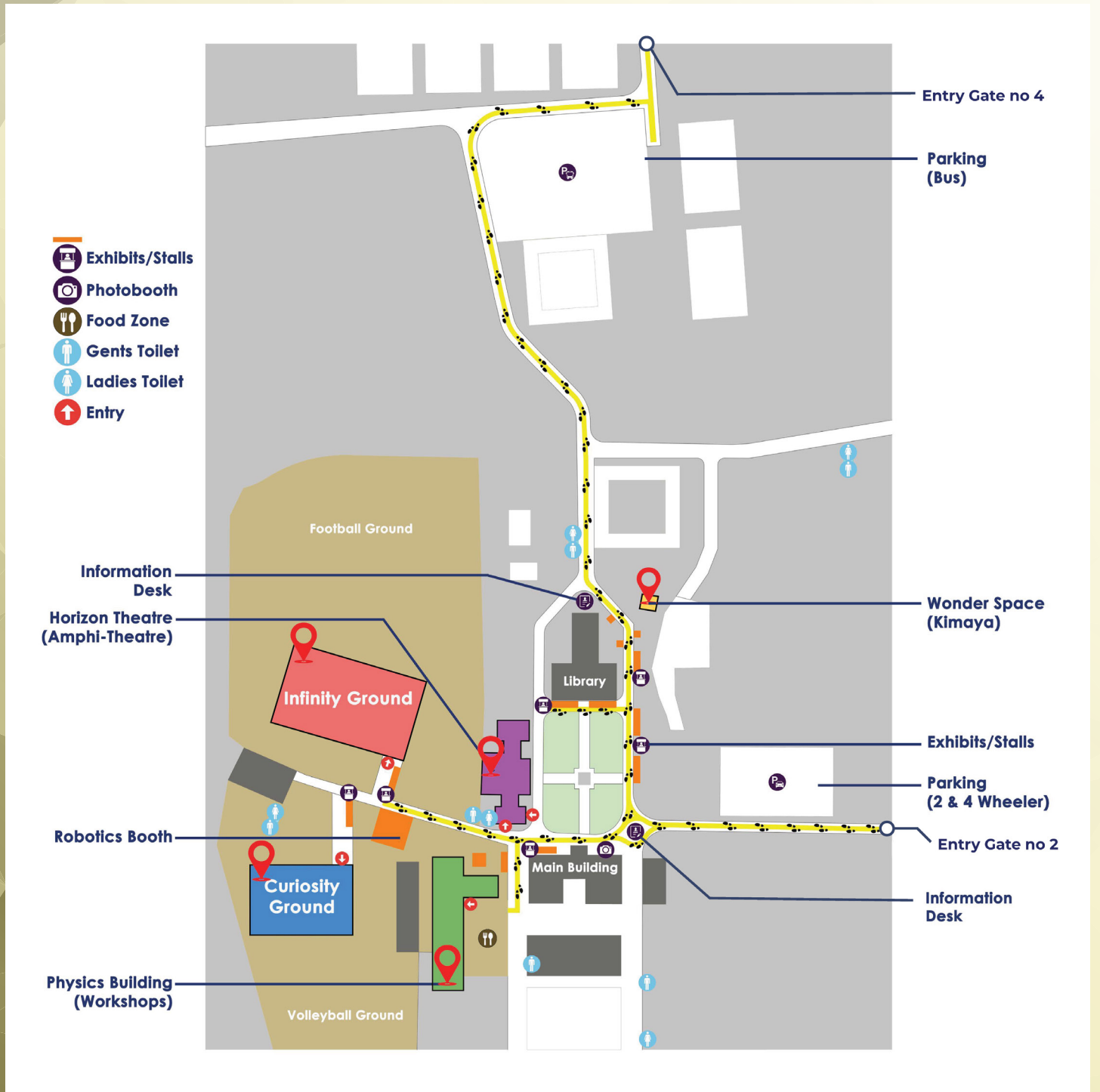
| Time | Infinity Ground | Curiosity Field | Horizon Theatre | Wonder Space |
|----------------------|--|--|--|---|
| 9:45 AM to 11:10 AM | Inaugural session on the theme, Ideas to Impact: Science for the people. Launch of Science Perception Survey | | | |
| 11:15 AM to 12:00 PM | Inside-Out: How Topology Shapes The Future of Materials Prof. Sumathi Rao (International Centre for Theoretical Sciences) | A doctor in your pocket: AI delivers medical expertise anytime, anywhere Dr. Vivek Natarajan (Google) | | |
| 12:05 PM to 12:50 PM | Energy, efficiency and pioneering an electric future Swapnil Jain (Ather energy) | Why Bookworms Will Save The World: Science Stories That Stick Vaishali Shroff (Author), Aakash Ranison (Author), Karthik Venkatesh (Penguin Random House India) <i>Sayantan Datta (Krea University)</i> | Bharatanatyam Performance Vivarta: Transformations Concept and choreography by Sujatha Srinivasan and Dr. Shriya Srinivasan, (Harvard University) | The Different Ways We Look at Wildlife Raza Kazmi (Wildlife Historian), Nandini Rajamani (Biology Department, IISER Tirupati), Sudarshan Shaw (Wildlife Illustrator) <i>Anusheela Chatterjee (TIFR-H)</i> |
| 12:55 PM to 1:40 PM | Debate: All living cells possess a form of sentience Poonam Thakur (IISER TVM) & S P Arun (IISc), <i>Suhita Nadkarni (IISER Pune)</i> | The Two Ways of Being in The World of Quantum: Fermions to Bosons and Back Dr. Nayana Shah (Washington University in St. Louis) | Science Meeting Humanity: Transforming Global Health Umesh Shaligram (Serum Institute), Anantharaman Iyer (ICT, IHAT), Prachi Shukla (World Health Partners) <i>Dr. Harish Iyer (BMGF)</i> | Drawing Competition Dr Parshati Patel (Astrophysicist, Author and Artist) |
| 1:45 PM to 2:30 PM | From Pessimism to Promise: Optimism Could Be The Most Radical View of Technology Yet Prof. Payal Arora (Utrecht University), <i>Sayantan Datta (Krea University)</i> | Unsolved Problems in Physics in the 21st Century Dr. Debarati Chatterjee (IUCAA), Dr. Nayana Shah (Washington University in St. Louis), <i>Dr. Debdutta Paul (ICTS)</i> | Stretching Limits with Flexible Electronics in Healthcare Dr. Tushar Sakorikar (BITS Pilani, Goa) | |
| 2:35 PM - 2:50 PM | BREAK | | | |
| 2:55 PM to 3:40 PM | Monkey See, AI Do: Learning Intelligence the Natural Way Dr. Lav Varshney (University of Illinois - Urbana Champaigne) | Green Vehicles: India's strategy for the future Swapnil Jain (Ather Energy), Dr. Priyadarshi Panda (Int. Battery Company), Ramtilak Ananthan (Bajaj Auto) Vishwanath Bhagwat (Bajaj Auto), <i>Sharada Balasubramanian (Journalist)</i> | Maths Maths Everywhere: From Equation to Images Prof. Sujatha Ramdorai (University of British Columbia) | 10 Indian Scientists Whose Extraordinary Work You May Not Know Vaishali Shroff (Author), <i>Varuni P (The Institute of Mathematical Sciences)</i> |
| 3:45 PM to 4:30 PM | How to Prevent Plastic Pollution: The Importance of Upstream Solutions Dr. Sedat Gundogdu (University of Cukurova) | Quantum: Buzzing with Ideas We Must Not Miss the Bus Prof. Sumathi Rao (International Centre for Theoretical Sciences), Joy Bhattacharjee (QuDyCo), Pranab Dutta (GDQ Labs) <i>Dr. Krishna Ravi Srinivas (NALSAR Law)</i> | Wearable robotics: Empowering Mobility, Restoring Lives Dr. Shubhendu Bhasin (IIT Delhi) | Science Quiz Quizmaster Berty Ashley |
| 4:35 PM to 5:20 PM | Harnessing the Sun with Nanotechnology to Combat Climate Change Prof. Vivek Polshettiwar (TIFR-M) | Unlocking the Gut's Brain with Ingestible Bioelectronics Dr. Shriya Srinivasan (Harvard University) | Invisible Allies: How Microbes Can Help Save Us – and the Planet Prof. Shilpi Sharma (IIT Delhi), Dr. Yogesh Shouche (SKAN Research Trust), Dr. Anwesha Ghosh (IISER Kolkata) <i>Sahana Ghosh (Nature India)</i> | |
| 5:30 PM to 6:30 PM | Keynote Session Baba Kalyani, Bharat Forge | | | |

12 January 2025

| Time | Infinity Ground | Curiosity Field | Horizon Theatre | Wonder Space |
|----------------------|--|---|--|---|
| 10:00 AM to 10:45 AM | <p>IIT Madras Case Study Launch and Panel Discussion</p> <p>Universities: Converting Research into Products of Futures</p> | | | |
| 10:50 AM to 11:35 AM | <p>Truth & Evidence: Public Communication & Science in the Era of Misinformation</p> <p>Prof. Kasisomayajula Viswanath (Harvard University)</p> | <p>Live Band performance on the periodic table and a new single on Artificial Intelligence by Berty Ashley and Band Groove BLR</p> | <p>Mission: Possible – How Australia is Powering Industries with Science!</p> <p>Dr. Alex Cooke (Astronomy Australia Ltd)</p> | |
| 11:40 AM to 12:25 PM | <p>The New Age Professor: Entrepreneurs, Science Communicators and Influencers!</p> <p>Dr. Poonam Thakur (IISER Tvm), Prof. Gaurav Raina (IIT M), Prof. Vishal Rai (IISER Bhopal, Plabeltech) <i>Dr. Karishma Kaushik (IndiaBioscience)</i></p> | <p>Product Based Approach to Building the Future of Energy</p> <p>Dr. Priyadarshi Panda (International Battery Company)</p> | <p>United We (Under)stand</p> <p>Dr. Joao Antunes Pequenaos (CERN)</p> <p>From India To CERN</p> <p>Dr. Chetna Krishna (CERN)</p> | <p>I'm a Climate Optimist</p> <p>Aakash Ranison (Author)</p> <p><i>Dr. Chhavi Mathur (Independent Consultant)</i></p> |
| 12:30 PM to 1:15 PM | <p>Startup Stars of AI: Challenges, Wins, and Impact</p> <p>Rana Vivek Singh (Magicroll), Ravish Kumar (Google), Anita Kulkarni Puranik (Metamagics), Rajeev Jorapur (Bajaj Auto Ltd)</p> <p><i>Shailendra Nath Jha (Change Engine)</i></p> | <p>Science, Art and History</p> <p>Prof. Projit Bihari Mukharji (Ashoka University), Kaldi Moss (Audio Visual Artist), Dorje Angchuk (IIA)</p> <p><i>TV Venkateswaran (IISER Mohali)</i></p> | <p>Understanding the Indian Gene Pool to Improve Public Health</p> <p>Prof. K Thangaraj (CCMB)</p> | <p>Games and Competitions</p> <p>Science Pictionary Competition by Shivangni Rani, FAST India</p> |
| 1:20 PM to 2:05 PM | <p>From Lab to Market: An Entrepreneurial Story</p> <p>Dr. David-Cohen Tanugi (Massachusetts Institute of Technology (MIT))</p> | <p>The Imprints of Early life stress- how the brain and body keeps score</p> <p>Prof. Vidita Vaidya (TIFR-M)</p> | <p>Can We Stop Using Fossil Fuels to Build a Sustainable World?</p> <p>Prof. Ashish Garg (IIT Kanpur)</p> | |
| 2:05 PM - 2:15 PM | BREAK | | | |
| 2:20 PM to 3:05 PM | <p>Building with LLMs: PoC to Production</p> <p>Tanuja Ganu (Microsoft)</p> <p><i>Kuldeep Yadav (SHL)</i></p> | <p>The Cancer Puzzle: Human Behaviour-Inspired Solutions</p> <p>Prof. Vishal Rai (IISER Bhopal, Plabeltech)</p> | <p>Inclusive AI Lab</p> <p>Prof Payal Arora (Utrecht University), Laura Herman (Adobe)</p> <p><i>Dr. Krishna Ravi Srinivas (NALSAR Law)</i></p> | |
| 3:10 PM to 3:55 PM | | <p>Guardians Of The Deep Sea: Tales of Ocean Conservation</p> <p>Dr. Sedat Gundogdu (University of Cukurova), Tejonmayam (Times of India), Dr. Anvesha Ghosh (IISER Kolkata)</p> <p><i>Sahana Ghosh (Nature India)</i></p> | | <p>The Nukkad Theory: What happens when Science Meets Stage? A JAM session & competition!</p> <p>Deepanshi Karwall, The Nukkad Theory, University of Manchester</p> <p>Archana Jaiswal, The Nukkad Theory, University of Delhi</p> |
| 4:00 PM to 4:45 PM | <p>Creation or Curation? New Forms of Creativity in the Age of AI</p> <p>Laura Herman (Adobe)</p> | <p>Stem Cells - The World Within</p> <p>Dr. Deepa Subramanyam (National Centre for Cell Science)</p> | <p>Science Theatre</p> <p>Between Cells and Systems: Scientific Journeys of Discovery from India</p> <p>Swatantrata Theatre</p> | |
| 4:50 PM to 6:30 PM | <p>The Best of Unbounded Science (BoUnSc)</p> <p>An exciting showcase of science through stunning photography, science fiction stories, and dynamic presentations</p> <p>Hosted by Prashasti Singh</p> | | | |

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