



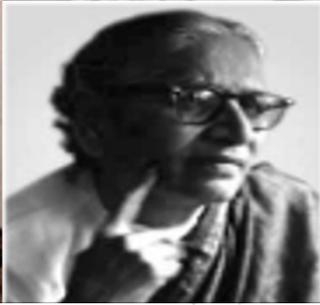
National Science Day

Department of Physics, IIT Guwahati

February 28, 2026



Women in Science: Catalyzing Viksit Bharat



PROGRAMME

09:00 AM Inauguration

Session I: Keynote Lecture

09:15 AM - Prof. Dipankar Banerjee, VC, IIST

10:00 AM - High Tea

Session II: Fun with Physics

10:30 AM - Experimental Demonstration

Session III: Talks by Young Women Physicists of IITG

11:10 AM - Dr. Sonali Patnaik

11:25 AM - Dr. Shaina Gandhi

11:40 AM - Dr. Sajja Yeasmin

Session IV: Breakthrough and Innovation at IITG

11:55 AM - Prof. Samudrajit Thapa

12:15 PM - Ashish Kumar Patel

12:25 PM - Alok Kumar Sahu

12:35 PM - Sanjoy Sur Roy

12:45 PM - Rajib Lochan Ghadei

01:00 PM - Lunch

Session IV: Laboratory Visits

02:30 PM - Visit to Physics Laboratories

03:30 PM - Distribution of Certificates

03:40 PM - Concluding Remarks

03:45 PM - Tea

Venue: Seminar Hall, Department of Physics



DETAILED PROGRAMME

09:00 AM – Inauguration

Session I: Keynote Lecture

Chair: Prof. Santabrata Das

09:15 AM - Prof. Dipankar Banerjee, Vice-Chancellor, Indian Institute of Space Science and Technology, Title: *Understanding our nearest star the Sun with Aditya L1*

10:00 AM - High Tea

Session II: Fun with Physics

10:30 AM - Experimental Demonstration

Session III: Talks by Young Women Physicists of IITG

Chair: Prof. Pratima Agarwal

11:10 AM - Dr. Sonali Patnaik, Title: *The cosmic imbalance that made life possible.*

11:25 AM - Dr. Shaina Gandhi, Title: *Non-Hermitian topological insulators.*

11:40 AM - Dr. Sajia Yeasmin, Title: *Two-qubit gates with Rydberg atoms.*

Session IV: Breakthrough and Innovation at IITG

Chair: Prof. Subhradip Ghosh

11:55 AM - Prof. Samudrajit Thapa, Title: *Employing stochastic processes and advanced data analysis to study complex systems*

12:15 PM - Ashish Kumar Patel, Title: *Effect of UV ozone treatment on the optoelectronic properties of WO₃ thin films.*

12:25 PM - Alok Kumar Sahu, Title: *Design a material for functional applications: fundamentals of high entropy materials.*

12:35 PM - Sanjoy Sur Roy, Title: *Green shields for modern electronics: reducing electromagnetic pollution.*

12:45 PM - Rajib Lochan Ghadei, Title: *Controlling heat with light: metamaterials for solar absorption and radiative cooling.*

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