



## List of Contributed Talks

(Last Updated: 23 December 2024)

Day & Session	Submission ID	Title	Presenting Author
Day 1, Contributed Talks Session I	40	Embodied Pedagogy in Mathematics Teacher Preparation – Insights from Cases	Shabari Rao
	118	Not so 'Mechanical': Learnings and Insights from High School Science Teacher Workshops on Mechanics	Anish Mokashi
	113	Evaluating Project-Based Learning: Effectiveness and Challenges in Middle School Science Education in Bihar	Mrinal Jyoti Baruah
Day 1, Contributed Talks Session II	65	Unlocking the Complexity of Biological Systems Through Analogy-Based Approach	Ishika
	75	Exploring Undergraduate Students' Interpretation of Mis-leading Graphs in Public Media: A Case Study	Debasmita Basu
	117	Media Literacy and Pseudo-Scientific Beliefs: A Survey Study Among Secondary School Teachers	Deepali Gupta
	17	Impact of Science Communication on STEM Aspirations of Tribal Girls in Bastar	Ruchika Dhruwey
Day 1, Contributed Talks Session III	112	A Survey of Barriers in STEM Learning in Higher Education Among Rural Youth in India	Aasidhara Darvekar
	63	Effect of STEAM-Based Learning on Mathematical Creativity of Middle School Students	Tarun Kumar Tyagi
Day 2, Contributed Talks Session IV	115	Status of Astronomy Education in India: A Baseline Survey	Moupiya Maji
	60	Understanding Different Facets of Atal Tinkering Laboratory: A Preliminary Study	Priyamvada Pandey
	121	Community of Practice Focused Teacher Education Programme for UG Educators: Building Capacity in Using Inquiry-Based, Active Learning, and Assessment-Centred Strategies for Classrooms and Labs	Asim Auti/ Neeraja Dashaputre
Day 2, Contributed Talks Session V	110	Emotional Engagement in STEM	Bhumika Jain
	26	Nature of Science (NOS) in Science Curriculum: A Critical Analysis of Secondary Science Textbooks	Astha Saxena
	41	Complexity and Curriculum: The Importance of Connections in Mathematics and Science Education	Ashwin Vaidya
Day 3, Contributed Talks Session VI	92	Enhancing STEM Education through the Practice-Based Professional Development for Secondary STEM Teachers in Bhutan	Reeta Rai
	46	Reflective Practices in Science Teaching: A Way to Transform Child's Experience into Learning	Rashmi Mishra
	96	Constructive Pedagogy and Student Engagement: A Study of the Grade 3 Small Science Curriculum	Akshat Singhal
Day 3, Contributed Talks Session VII	19	Making a Case for Representing Science Explanations as Flow Charts for Revealing their Logical Flow Structure	Gautam Karve
	29	Avenues for Eliciting Proving-Related Processes in Nationalised Middle Grades Mathematics Textbooks of India	Neha Verma
	73	A Case Study of Cyanotype Techniques as a Pedagogical Tool for Teaching Chemistry	Bhooma Bhagat
	58	How Large is That Number?: Understanding How People From a Social Science Institute Estimate Large Numbers	Maitrayee Pan
Day 3, Contributed Talks Session VIII	36	Inception and Development of Astronomy Lab at Vikram A Sarabhai Community Science Centre	Avik Dasgupta
	76	Reframing "Gap" as "Distance" in Responding to Students' Mathematical Talk	S Jayasree
	66	Three-Dimensional Learning Approach to High School Organic Chemistry Through Flipped and Collaborative Classrooms	Athavan Alias Anand Selvam
Day 4, Contributed Talks Session IX	89	Development of Academic Laboratories in Chemical Engineering Simulation and Process Control at IIT Ropar: Achievements and Learnings	Asad Sahir
	50	Differing Approach In Design Of Teaching Learning Material On Soil For Students with Different Backgrounds	Sreeja M