

## **INVITED TALKS (55)**

1. Invited talk on Upcycling with Purpose: Unplastic the Nature, held at DAV College, Bathinda on Jan 20-21, 2026.
2. Resource person in Experimental Physics Workshop organized under Anveshika Bharat Yatra 2025, held at Swami Sant Dass Public School, Jalandhar on September 25, 2025.
3. Resource person in Experimental Physics Workshop organized under Anveshika Bharat Yatra 2025, held at Khalsa College, Amritsar on September 24, 2025.
4. Resource person in Experimental Physics Workshop organized under Anveshika Bharat Yatra 2025, held at Indian Institute of Science Education and Research (IISER), Mohali on September 20, 2025.
5. Resource person in Experimental Physics Workshop organized under Anveshika Bharat Yatra 2025, held at Dev Samaj College for Women, Ferozepur on September 18, 2025.
6. Resource person in Experimental Physics Workshop organized under Anveshika Bharat Yatra 2025, held at DAV College, Hoshiarpur on September 17, 2025.
7. Delivered an invited talk in National Space Day Celebration, held at Kanya Maha Vidyalaya, Jalandhar, on August 23, 2025.
8. Delivered an invited talk in Prof. R.M. Dharkar Memorial Workshop on “Designing and Analyzing Cognitively Aligned Question Items for Quality-Driven Assessment in Physics”, organized by the Indian Association of Physics Teachers (IAPT), conducted via online mode from June 23 to July 2, 2025.
9. Delivered an invited talk on “Opportunities and Challenges for Women Teachers in Science”, organized by the Indian Association of Physics Teachers (IAPT) Women’s Cell, conducted online on March 8, 2025.
10. Delivered expert talk in the subject of Design Thinking under the aegis of Institute’s innovation Council (IIC) held at KMV, Jal in session 2025-26
11. Invited talk on *Enhancing Radiation Shielding in Glasses through Rare Earth Element Incorporation: Systematic study on structural, optical and attenuation performance* in International conference on *Science, Technology and Applications of Rare Earths (ICSTAR-2025)*, April 21-23, 2025 at S.V. University, Tirupati (India).

- 12.** Delivered expert talk in the subject of Design Thinking under the aegis of Institute's innovation Council (IIC) held at KMV, Jal in session 2024-25.
- 13.** Delivered expert talk in the subject of Time Management Three Week Personality Development Program in KMV for session 2024-25.
- 14.** Participated as mentor in DST Five days Inspire internship conducted at KMV Oct 14<sup>th</sup> to 19<sup>th</sup> 2024.
- 15.** Resource person in DST sponsored Inspire Camp at DAV Bathinda on 30th Aug, 2024.
- 16.** Given invited talk at IAPT Convention from 8-10 October, 2023 on "Social Responsibility: Trainee the trainers"
- 17.** Resource person for four days in training PGT Physics Teachers of Navodaya Vidyalaya of Punjab, Haryana, Himachal Pradesh, Jammu and Kashmir under Navodaya Vidyalaya Smiti, Govt of india
- 18.** Delivered expert talk in the subject of Design Thinking under the aegis of Institute's innovation Council (IIC) held at KMV, Jal in session 2023-24
- 19.** Delivered expert talk in the subject of Time Management Three Week Personality Development Program in KMV for session 2023-24
- 20.** Delivered expert Talk in 15 day faculty development programme held at KMV, Jal on My Best Practices and Inspirational experiences on 18th Sept 2023.
- 21.** Invited talk in Ability Enhancement workshop for school Teachers at Jaipur National University, Jaipur on Dec 9, 2022.
- 22.** Invited talk in Institution Innovation Council Regional meet at Chandigarh University on July 26, 2022.
- 23.** Invited talk on "Frugal Innovations & Captivating Ideas" organized by Institute Innovation council of Govt. College Ropar on 5<sup>th</sup> August 2022.
- 24.** Invited lecture on Effect of Gamma irradiation on optical and Structural properties of Alkali borate glasses in International Online Conference on Advanced Nanomaterials (ICAN-2021) organized by Amal Jyothi College of Engineering, KanjirappallyKoovappally P.O, Kerala, India on 15-12-2021.
- 25.** Invited lecture on Effect of heat treatment on spectroscopic and structural properties of borotellurite glasses in International virtual conference on 'Advances in Material

Sciences, Applied Sciences and Engineering' organized by Dept. Of Physics, Uttamrao Patil Arts And Science College, Dahivel, on 10-09-2021.

26. Invited lecture on Tranga Da Sansar at All India Radio Talk show on 25-11-2019.
27. Participated as mentor in DST Five days Inspire internship conducted at KMV Dec 4<sup>th</sup> to 8<sup>th</sup> 2018
28. Delivered expert talk in the subject of logical reasoning & Mental Ability at Centre of Competitive exams held at KMV, Jal on Apr 17<sup>th</sup> 2018
29. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Aug 23<sup>rd</sup> to Sep 20<sup>th</sup> 2017
30. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Jan 18<sup>th</sup> to Feb 28<sup>th</sup> 2017
31. Delivered expert talk in the subject of logical reasoning & Mental Ability at Centre of Competitive exams held at KMV, Jal in session 2016-2017
32. Participated as mentorin DST Five days Inspire internship camp in KMV Nov 8<sup>th</sup> to 12<sup>th</sup> 2016
33. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Sep 9<sup>th</sup> to Oct 10<sup>th</sup> 2016
34. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Aug 11<sup>th</sup> to Sep 7<sup>th</sup> 2016
35. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Mar 15<sup>th</sup> to Apr 9<sup>th</sup> 2016
36. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Feb 9<sup>th</sup> to Mar 5<sup>th</sup> 2016
37. Participated as mentorin DST Five days Inspire internship camp in KMV Dec 1<sup>st</sup> to 5<sup>th</sup> 2015
38. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Sep 9<sup>th</sup> to Oct 14<sup>th</sup> 2015
39. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV 2015 Aug 3<sup>th</sup> to Sep 1<sup>th</sup> 2015
40. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Jan 27<sup>th</sup> to Feb 21<sup>st</sup> 2015

41. Participated as mentor in DST Five days Inspire internship camp in KMV Nov 18<sup>th</sup> to 22<sup>nd</sup> 2014
42. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Aug 5<sup>th</sup> to Sep 8<sup>th</sup> 2014
43. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Feb 10<sup>th</sup> to Mar 6<sup>th</sup> 2014
44. Participated as mentor in DST Five days Inspire internship camp in KMV Dec 3<sup>rd</sup> to 7<sup>th</sup> 2013
45. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Sep 2<sup>nd</sup> to Oct 23<sup>rd</sup> 2013
46. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Jan 25<sup>th</sup> to Feb 20<sup>th</sup> 2013
47. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Oct 9<sup>th</sup> to Nov 15<sup>th</sup> 2012
48. Invited lecture on Science and Superstitions in Organizing Secretary in Inspire 2012(KMV) Aug 17<sup>th</sup> to 21<sup>st</sup> 2012
49. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Jul 31<sup>st</sup> to Aug 8<sup>th</sup> 2012
50. Participated as mentor in DST Five days Inspire internship camp in KMV 2012
51. Participated as mentor in DST Five days Inspire internship camp in KMV Dec 6<sup>th</sup> to 10<sup>th</sup> 2011
52. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV ( Nov 1<sup>st</sup> to 23<sup>rd</sup> 2011)
53. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV Aug 2<sup>nd</sup> to 26<sup>th</sup> 2011 )
54. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV (Oct 21 to Nov 17 2010)
55. Invited lecture on Science and Superstitions in Three Week Personality Development Program in KMV (Oct 14<sup>th</sup> to Nov 7<sup>th</sup> 2009).