

| 3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the year | | | | | |
|--|---|------------------------|--------------------------|---|-----------------------------------|
| 3.3.2.1: Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year | | | | | |
| Year | Name of the workshop/ seminar | Number of Participants | Date From – To | Link to the Activity report on the website | Date of establishment of IPR cell |
| 2023 | Hindi Vaiganik Workshop | 33 | 05/06/2023 - 09/06/ 2023 | N/A | 30-11-2009 |
| 2023 | Quantum information processing and applications - 2023 (QIPA-2023) | 120 | 04/12/2023 - 10/12/2023 | https://www.hri.res.in/~confqic/qipa23/index.html | 30-11-2009 |
| 2023 | The State of Theoretical Physics (Discussion Meeting, not a conference) | 20 | 16/10/2023 - 18/10/2023 | N/A | 30-11-2009 |
| 2024 | Non-perturbative methods in Quantum Field Theory and String Theory (School & Workshop) | 30 | 22/01/2024 - 02/02/2024 | N/A | 30-11-2009 |
| 2023 | SPIM-2023 | 43 | 19/6/2023 - 08/07/2023 | https://www.hri.res.in/~spim/2023/List-of-Selected-candidates-o | 30-11-2009 |
| 2023 | The back-ground of modular p-adic Galois deformation theory (Girdhari Lal Mehta Lecture by Prof. Haruzo, Hida) | 60 | 08/06/2023 - 08/06/2023 | https://www.hri.res.in/mehta/ | 30-11-2009 |
| 2023 | Introduction to higher category theory | 50 | 23/06/2023- 29/06/2023 | https://www.hri.res.in/academic | 30-11-2009 |
| 2023 | Workshop Representation Theory of Real Lie Groups and Automorphic Forms (NCM) | 53 | 02/10/2023 - 07/10/2023 | https://www.hri.res.in/~hc100/e | 30-11-2009 |
| 2023 | Harish-Chandra Centenary Conference | 150 | 09/10/2023 - 14/10/2023 | https://www.hri.res.in/~hc100/e | 30-11-2009 |
| 2023 | PhD - Postdoc Math Meet | 35 | 25/11/2023 - 26/11/2023 | https://sites.google.com/view/p | 30-11-2009 |
| 2023 | Fractional Fourier Transform, Harmonic Oscillator Propagators and Trichartz Estimates | 55 | 08/12/2023 - 08/12/2023 | N/A | 30-11-2009 |
| 2023 | Workshop on Group Theory and Around | 55 | 14/12/2023 - 20/12/2023 | https://www.hri.res.in/~math/G | 30-11-2009 |
| 2024 | Maths Circle Session 48 | - | 12/01/2024-12/01/2024 | https://www.icts.res.in/content | 30-11-2009 |
| 2024 | Maths Circle Session 49 | - | 25/01/2024-25/01/2024 | https://www.icts.res.in/content/maths-circle-india-session-49 | 30-11-2009 |
| 2024 | Maths Circle Session 50 | - | 09/02/2024-09/02/2024 | https://www.icts.res.in/content/maths-circle-india-session-50 | 30-11-2009 |
| 2024 | Infosys Lecture Series_Special digits of n! in integer base b: automatic aspects and more | 50 | 12/02/2024 -14/02/2024 | N/A | 30-11-2009 |
| 2024 | Words and Transcendence | 40 | 05/02/2024 - 15/02/2024 | N/A | 30-11-2009 |
| 2024 | Workshop on Harmonic Analysis: Fourier Multipliers and Related Topics | 70 | 19/02/2024 - 02/03/2024 | https://www.hri.res.in/~analysis/2024/Welcome.html | 30-11-2009 |
| 2024 | Maths Circle Session 51 | - | 01/03/2024-01/03/2024 | https://www.icts.res.in/content/maths-circle-india-session-51 | 30-11-2009 |
| 2024 | Bargmann and Fock meet Hardy: An uncertainty principle for operators | 35 | 12/03/2024- 28/03/ 2024 | https://www.hri.res.in/academics/mathematics/activities/all/sem | 30-11-2009 |
| 2024 | Analytic and Combinatorial Number Theory | 50 | 20/03/2024 - 30/03/2024 | https://sites.google.com/view/anacomb2024/home | 30-11-2009 |
| 2024 | PhD-Postdoc Math Meet | 35 | 10/05/2024 - 1/05/2024 | https://sites.google.com/view/phd-postdoc-math-meet/ | 30-11-2009 |
| 2024 | Workshop on Iwasawa Theory | 34 | 13/05/2024 - 17/05/2024 | https://sites.google.com/view/workshop-iwasawa-theory-of-hmf | 30-11-2009 |
| 2023 | Stability properties of spherical Bondi accretion and related sonic black holes | 15 | 11/07/23-11/07/23 | Souvik Chatterjee (Sister Nivedita University Kolkata) N.A. | 30-11-2009 |
| 2023 | Late time cosmology in f(R,G) gravity with non-linear interaction | 15 | 19/07/23-19/07/23 | Anirban Chanda (University of North Bengal) N.A. | 30-11-2009 |
| 2023 | Importance of self-polluting massive stars in the chemical enrichment of early galaxies | 15 | 21/09/23-21/09/23 | Dr. Arpita Roy (Scuola Normale Superiore, Pisa, Italy) N.A. | 30-11-2009 |
| 2023 | Analysing the instabilities in astrophysical fluid systems around compact bodies | 15 | 22/09/23-22/09/23 | Aishee Chakraborty (HRI) N.A. | 30-11-2009 |
| 2023 | Colloquium- Tuning into 'cosmic hum' : The first hints of a stochastic gravitational wave background | 25 | 16/08/23-16/08/23 | Dr. Pratib Tarafdar (IMSc-Chennai) N.A. | 30-11-2009 |
| 2023 | Colloquium- -- Unraveling the cosmic odyssey of massive stars: drivers of galaxy chemical and ionization evolution over cosmic time | 25 | 20/09/23-20/09/23 | Dr. Arpita Roy (Scuola Normale Superiore, Pisa, Italy) N.A. | 30-11-2009 |
| 2023 | Seminar :Lights on a Left-Right symmetric model in the LHC era | 20 | 06/04/23-06/04/23 | Sanchari Bhattacharya (University of Calcutta) N.A. | 30-11-2009 |
| 2023 | Seminar:Higgs decay into two photons and Implications for physics beyond the SM | 20 | 01/06/23-01/06/23 | Dr. Dipankar Das (IIT Indore) N.A. | 30-11-2009 |
| 2023 | Seminar:Scrutinising unprobed parameter space of Type-II seesaw at LHC | 20 | 19/07/23-19/07/23 | Siddharth Prasad Maharathy (IOP Bhubaneswar) N.A. | 30-11-2009 |
| 2023 | Seminar: Light long-lived particles at the FCC-hh with the proposal for a dedicated forward detector FOREHUNT and a transverse detector DELIGHT | 20 | 04/08/23-04/08/23 | Nivedita Ghosh (CHEP, IISc.) N.A. | 30-11-2009 |
| 2023 | Seminar: A Smoking Gun signature of 3HDM | 20 | 11/12/23-11/12/23 | Atri Dey DIAS- Ireland N.A. | 30-11-2009 |
| 2024 | Seminar:Probing origin of neutrino masses through low and high energy processes | 20 | 19/03/24-19/03/24 | Sanjoy Mandal KIAS, South Korea N.A. | 30-11-2009 |
| 2024 | Colloquium: Perturbative QCD -- A Pathway to Precision Physics and Discoveries at High Energy Colliders | 35 | 12/01/24-12/01/24 | Dr. Prasanna Kumar Dhani (Valencia Univ. Spain) N.A. | 30-11-2009 |
| 2024 | "SANGAM@HRI - 2024" Instructional Workshop in Particle Physics | 07.03.24 | 16/03/24-16/03/24 | 1. Prof. Arunansu Sil - IIT Guwahati 2. Prof. Biplob B | 30-11-2009 |
| 2024 | Infosys Lecture Series | 40 | 08/03/2024 -13/03/2024 | Professor Joachim Kopp (CERN- Geneva) | 30-11-2009 |
| 2023 | Seminar: "Photo-induced Superconductivity" | 25 | 20/04/23-20/04/23 | Sankha Subhra Bakshi (HRI) N.A. | 30-11-2009 |
| 2023 | Seminar: Is kinetic constraint sufficient to generate quantum many-body scars ? | 25 | 28/09/23-28/09/23 | Dr. Bhaskar Mukherjee (University College London) N.A. | 30-11-2009 |
| 2023 | Seminar: Correlation-driven nontrivial phases in single-bilayer Kagome intermetallics | 25 | 02/11/23-02/11/23 | Aabhaas Vineet Mallik (Bar-ilan University) N.A. | 30-11-2009 |
| 2023 | Seminar : Emergent topology and its signatures in open quantum systems | 25 | 07/11/23-07/11/23 | Suraj S Hegde (TU, Dresden) N.A. | 30-11-2009 |
| 2024 | Seminar :Symmetry routes to novel many-body phenomena | 25 | 10/01/24-10/01/24 | Dr. Abhishodh Prakash (Oxford) N.A. | 30-11-2009 |
| 2024 | Seminar: Materials For Energy Applications: A First Principles Study | 25 | 29/03/24-29/03/24 | Muskan Nabi (HRI)N.A. | 30-11-2009 |
| 2023 | Collaquin:Invariants in Polarimetric Interferometry: A Non-Abelian Gauge Theory | 35 | 12/09/23-12/09/23 | Joseph, Samuel (ICTS, India)N.A. | 30-11-2009 |
| 2023 | Collaquin: Band geometry induced linear and nonlinear quantum transport | 35 | 29/09/23-29/09/23 | Prof. Amit Agarwal (IIT Kanpur) N.A. | 30-11-2009 |
| 2023 | Collaquin:Quantum scars in many-body systems. | 35 | 03/11/2023-03/11/2023 | Prof. Arnab Sen (IACS, Kolkata) N.A. | 30-11-2009 |
| 2023 | Collaquin:Parallels of black hole phenomena in condensed matter | 35 | 06/11/2023-06/11/2023 | Suraj S Hegde (TU, Dresden) N.A. | 30-11-2009 |
| 2023 | Collaquin:Contrasting quantum behavior of the Perovskite Twins: Halides and Oxides. | 35 | 10/11/2023-10/11/2023 | Prof. BRK Nanda (IIT, Madras) N.A. | 30-11-2009 |
| 2023 | Collaquin:Cosmic conundrums and their Particle Physics solutions. | 35 | 20/11/2023-20/11/2023 | Prof. U A Yajnik, IIT Gandhinagar) N.A. | 30-11-2009 |

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| 2023 | Collaquim:Quantum Information Scrambling Over Bipartitions. | 35 | 20/11/2023-20/11/2023 | Prof. Paolo Zanardi (University of Southern California, USA) | 30-11-2009 |
| 2024 | Collaquim:The Challenges and Prospects in Modeling Quantum Materials. | 35 | 08/01/2024-08/01/2024 | Prof. Indra Dasgupta (IACS, Kolkata) N.A. | 30-11-2009 |
| 2024 | Collaquim:Symmetries: who are they when they come knocking on our doors? | 35 | 09/01/2024-09/01/2024 | Dr. Abhishodh Prakash (Oxford) N.A. | 30-11-2009 |
| 2024 | Collaquim:Transition Metal Dichalcogenides: six decades without a consensus. | 35 | 16/02/2024-16/02/2024 | Prof. Arghya Taraphder (IIT Kharagpur) N.A. | 30-11-2009 |
| 2024 | Workshop on Intellectual Property Rights & Patenting | 60 | 04/01/2024-04/01/2024 | N/A | |
| 2024 | A talk on "Catalysts of Change: Functional Materials Steering Green Hydrogen Production" aimed at technical entrepreneurship | 30+ | 07/03/2024-07/03/2024 | https://www.ipr.res.in/talkinfo/documents/colloquium.html | |
| 2023 | One day Workshop on awareness of Intellectual Property Rights | 92 | 07/12/2023-07/12/2023 | https://ext-annapurna.vecc.gov.in/index.php/s/1x00NbVhdffHqH4i | |
| 2023 | Amrit Kalash programme | 50 | 12/10/2023-12/10/2023 | N/A | |
| 2023 | New clothes for gentle souls | 30 | 01/10/2023 - 02/10/2023 | N/A | |

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