

Dr. Sapna Sharma
Department of Physics
2024-25

1. Published a paper entitled "**Heads or Tails? Unleashing the Power of Probability with Python**" in Journal of Research: The Bede Athenaeum Vol 16 pp 69-74
2. The paper entitled "**Tracking the Swing: Unveiling the Physics of Increasing Amplitude**" was accepted for oral presentation at the GIREP-EPEC 2025 Conference in Leiden, The Netherlands.
3. Convened a landmark event over 18 months under the umbrella of IAPT: *A comprehensive lecture series by inviting eminent International & National speakers of the field of Physics Education Research* including Nobel Laureate Carl Wiemann, offering a platform for educators to explore new research-driven techniques and share best practices and highlighted innovative practices that can revolutionize physics education across institutions globally.
4. Chaired
 - An online session at International Conference on 20th November 2024 on "**Recent Trends in Material and Biological Sciences**" organized by COE Govt. College Sanjauli, Shimla.
 - A Technical session in the 38th Annual Convention of the Indian Association of Physics Teachers organized from 15th to 18th October 2024 at Central University Dharamshala.
5. Delivered an invited talk on "**Physics Education Research: A Case Study of PhysPort**" at the 38th National Annual Convention of the Indian Association of Physics Teachers organized at Central University Dharamshala from 15th to 18th October 2024
6. Participated in IAPT Women's Cell's online Panel Discussion on 'International Women's Day' on March 8, 2025, as a panellist to discuss opportunities and challenges for women teachers in science.
7. Presented a paper (oral) at the 38th Annual Convention of the Indian Association of Physics Teachers organized at Central University Dharamshala from 15th to 18th October 2024
8. Attended and participated in online workshop on *Developing AI Applications in the Physics Domains with Python* organised by IAPT and AACST from 10 June 2024 to 05 July 2024

Dr. Jyotika Brari

Department of Zoology

2024-25

Publication

1. Thakur S., Brari J., 2024, The role of noctuid moths as umbrella taxa in insect conservation: A Review. International Book Chapter (Interdisciplinary Studies in Humanities and Science Vol 1(II) ISBN: 9789359965338.

Workshop/Seminar/ Webinar

2. Two Day Skill Development Workshop for young budding entrepreneurs organized by BIC-HPU in collaboration with St. Bede's College October 4-5, 2024.
3. Seminar on Building Excellence in Life and Career through work ethics and Culture by IQAC St. Bede's college Shimla, November 18, 2024.
4. A Webinar on "CMAI-CSAI-IHRO Cyber Warrior Mission: A Pathway Towards Employability" organised by Department of Computer Science, St. Bede's College, Shimla on November 22, 2024.

FDP/ Orientation

1. NEP Orientation and Sensitization programme under Malaviya Mission teacher Training Programme of UGC organized by MMTTC HPU Shimla from September 23 to October 1, 2024.
2. Six-day Faculty Development Program on " Enhancing Quality Assurance in Higher Education: Insights into NEP 2020 and NAAC's Binary Accreditation Framework at St. Bede's College, Shimla (16 -21 December, 2024).
3. Faculty Development Program on Generative AI Tool Enhancing Teaching and Learning at HEI, organized by Technoledge from 05th May 2025 to 10th May 2025.

Dr. Shweta Thakur

Department of Zoology

2024-25

Research Papers

1. Thakur S. 2024, The role of noctuid moths as umbrella taxa in insect conservation: A Review. International Book Chapter (Interdisciplinary Studies in Humanities and Science Vol 1(II) ISBN: 9789359965338
2. Received an acknowledgment and trophy from CMAI National Technical Education Empowerment Committee for excellent contribution in education sector in the month of December 2024.
3. Received an acknowledgement for reviewing chapters of the manuscript provisionally titled Non-Chordata: From Protists to Pseudocoelomates by Cambridge University Press India, New Delhi.

Workshop Attended/Webinar

1. Attended Workshop on Generative AI Tools for Enhancing Teaching & Learning on October 23, 2024 organised by IQAC Cluster, Pune.
2. Attended a Webinar on “CMAI-CSAI-IHRO Cyber Warrior Mission: A Pathway Towards Employability”organised by Department of Computer Science, St. Bede’s College, Shimla on November 22, 2024.
3. Attended One Day All India IQAC Workshop 2024, on June 29, 2024 organized by IQAC, Uttarakhand University, Dehradun with support from the Department of Higher Education, Uttarakhand.

Faculty Development Programme

1. Attended 5 Days Online Faculty Development Program on "Academic and Administrative Audit for NAAC Binary Accreditation" from August 8th to 13th, 2024 organised by Institute for Continuous Learning Outcome based Education in Higher Education.
2. Attended 8 Days Online NEP Orientation & Sensitization Programme from September 23, 2024 to October 1, 2024 organised by HPU, MMTTC, Shimla, Himachal Pradesh.
3. Attended 6-day FDP on Enhancing Quality Assurance in Higher Education: Insights into NEP 2020 and NAAC Binary Accreditation Framework from December 16–21, 2024 organised by IQAC, St. Bede’s College.
4. Attended one-week International Online Faculty Development Programme on Outcome Based Education and Application of Generative AI in Teaching and Research organised by IQAC of Carmel College Thrissur, from February 20–February 28, 2025.

Dr. Preeti Kaundal
Department of Botany
2024-25

Workshop/Seminar/Webinar

1. Hands-on online workshop on “Molecular Docking, Biological Software Packages and Cell Culture Techniques Protocol” organized by Sathyabama Institute of Science and Technology, Chennai from 12th-14th December, 2024.
2. Three days training on “Application of Bio-fertilizers and Bio-pesticides in forestry Practices” organised by HFRI, Shimla from September 25-27, 2024.
3. Webinar on “Building Excellence in Life through Work Ethics and Culture” organised by IQAC St. Bede’s College Shimla 18 November, 2024.
4. Workshop on “Skill Development Workshop for Young Budding Entrepreneurs” organised by BIC-HPU in collaboration with St. Bede’s College Shimla. 4-5 October, 2024

Conferences/Paper Presentations

1. Paper presentation in International Conference on “Current advances in basic and social sciences: Issues and challenges”

FDP

1. Six-day Faculty Development programme on "Enhancing Quality Assurance in Higher Education: Insights into NEP 2020 and NAAC's Binary Accreditation Framework" organised by Internal Quality Assurance Cell, St. Bede's College, Shimla from December 16 - 21, 2024.
2. Faculty Development Programme on “Generative AI Tool Enhancing Teaching Learning at HEI, organised by Technoledge from 5th -10th May, 2025.

Dr. Sangeeta Sharma

Department of Botany

2024-25

Faculty Development Program

1. FDP on Enhancing Quality Assurance in Higher Education Insight into NEP 2020 and Binary Accreditation Framework 16-21 December, 2024

Conference/Workshop/Seminar/Webinar

1. Webinar on “Building Excellence in Life through Work Ethics and Culture” organised by IQAC St. Bede’s College Shimla 18 November, 2024

2. Workshop on “Skill Development Workshop for Young Budding Entrepreneurs” organised by BIC-HPU in collaboration with St. Bede’s College Shimla. 4-5 October, 2024

Ms. Titiksha Kamal

Department of Botany

2024-25

Faculty Development Program

1. FDP on Enhancing Quality Assurance in Higher Education Insight into NEP 2020 and Binary Accreditation Framework 16-21 December, 2024

Conference/Workshop/Seminar/Webinar

1. Webinar on “Building Excellence in Life through Work Ethics and Culture” organised by IQAC St. Bede’s College Shimla 18 November, 2024

2. Workshop on “Skill Development Workshop for Young Budding Entrepreneurs” organised by BIC-HPU in collaboration with St. Bede’s College Shimla. 4-5 October, 2024

Dr. Kanu Mehta
Department of Mathematics

2024-25

Conferences

1. Presented the paper titled “Stability Analysis of Convection in Rotating Fluid Layers with Triply Diffusion” in 11th HSCA International Conference on Material and Biological Science organised by HIM Science Congress Association and Department of Mathematics, Govt college Bilaspur; November 16-17,2024.

Seminar/ Workshops/Webinar

2. Worked as an organising Secretary in a Two-Day Workshop “Skill Development for Young Budding Entrepreneurs” organised by BIC-HPU in collaboration with St. Bede’s College Shimla; October 4-5,2024.
3. Attended one Day workshop on “AI and Cybersecurity: Empowering Entrepreneurs for the Digital Future”organised by Department of Computer Science, St. Bede’s College Shimla; October 15,2024.
4. Attended the Seminar on “Building Excellence in Life and Career Through work Ethics and Culture” organised by Internal Quality Assurance Cell, St. Bede’s College, Shimla; November 18,2024.

FDP/Refresher Course

1. Attended Six Day Faculty Development programme on Enhancing Quality Assurance in Higher Education: Insights into NEP 2020 and NAAC Binary Accreditation Framework organised by Internal Quality Assurance Cell, St. Bede’s College, Shimla; December 16-21,2024
2. Attended the Faculty Development Program on “Generative AI Tool Enhancing Teaching and Learning” at HEI organized by Technoledge; May 05-10, 2025.