



## **Annual Report Session 2024-2025**

Dr. Bhim Rao Ambedkar Government College, Dabwali was opened/started by the Haryana Government in Mandi Dabwali in the year 2007 with a name as Govt. College, Mandi Dabwali. Later on, in 2014, the state Government has changed its name from Government College, Mandi Dabwali to Dr. Bhim Rao Ambedkar Government College, Dabwali; and the college was shifted to the newly constructed building in August 2014 at village Dabwali near National Highway No.9 from Mandi Dabwali to Sirsa. It has total area of 171 Kanal, 10 Marla (86754.467 Sq.mtr) out of which 7884.84 Sq. mtr. is build up or covered area.

The Government of Haryana has started this college in Dabwali to cater to the needs of the youth who want to pursue higher education because there was no Government College within a radius of 60 K.Ms. This college not only caters to the needs of aspirants for higher education of Haryana state youth, but the youth of Punjab and Rajasthan also take admission to various courses in the college because of its very good road and railway connectivity to this region.

The college is affiliated to Chaudhary Devi Lal University, Sirsa. It runs B.A. (General) B.A. (Hons. Punjabi), B.Sc (Non-Medical), B.Com, B.Sc.(Physical Health and Sports Education) and M.A Punjabi.

To enhance the overall development of the students, the college offers other extra-curricular activities, such as sports, cultural events, and social service programmes apart from providing quality education.

The college has a well-equipped Library with 10578 books on academic subjects and competitive examinations. The college has well equipped Physics, Chemistry, Geography, Psychology, Computer Labs and Language Lab enable students to access digital learning resources and enhance their learning experience. The qualified and experienced faculty members are committed for all round development of the students, not only academically, but through extra curricular activities, socialization with peers, by exploring new habits and interests through various cells, clubs and subject societies to make the students conscious of their social responsibilities so that they may make meaningful contribution to the society.

**Following activities were organized in the college under different Committees/Cells/ Subject Societies during the session 2024-2025.**

### **Youth Red Cross Activities**

1. A one-day health check-up camp was organized in collaboration with Economic Subject Society on 27<sup>th</sup> September 2024. In which HB, Diabetes, blood group, eye testing, and psychiatric consultancy were arranged. The Eye Specialist (Dr. Vikas), the Psychiatrist (Dr. Rajesh), the Technical Officers (Mr. Pankaj and Mr. Ajit), and the Counsellor (Mr. Sita Ram) from Civil Hospital Mandi Dabwali provided the services to test the overall health of the students. One hundred one (101) students benefited of eye testing, one hundred six from general testing, and twenty-three (23) benefited from psychiatric consultancy in the camp.
2. Six students, along with counselor Dr. Bharti Sinija, attended a five-day district-level camp from 20 to 24<sup>th</sup> January 2025, at J.C.D. College of Education Sirsa.

3. A rally on the topic 'National Integration' was organized on 05/02/2025 in the village of Dabwali. In which seventy-six students participated.

### **Women Cell Activities**

1. Mehendi Competition was organized on 19<sup>th</sup> October 2024 on the occasion of Karwa Chauth. In which 34 girls participated in the competition.
2. Self Defence training was organized for girls from 06-02-2025 to 08-02-2025 (two sessions daily). Ms Shivani (Expert provided by Hand to Hand Fighting and sport association) imparted the training.

### **Placement Cell Activities**

1. Extension Lecture was delivered by Dr. Ashok Sharma, Department of Physical Education, CDLU Sirsa on 16 November 2024 on the topic Scope in the field of Yoga in this Modern Era.
2. Extension lecture was delivered by Rajneesh Bishnoi, NSNIS Bengaluru on 9<sup>th</sup> November 2024 on the topic Scope in SAI.
3. Webinar was organized on dated 26.04.2024 on the topic Food Planet Health and Scope of Carrier in plant based sector associated with Vegan Outreach.

### **Sports Activities**

1. Inter house Volleyball Championship was organized on the occasion of " National Sports Day to celebrate birth day of Majer Dhyan Chand on 29/08/2024.
2. Participation in Inter-College Kabaddi (women) Championship on 18/10/2024.
3. Participation in Inter-College Athletic Meet at C.D.L.U Sirsa.
4. One Athlete (women) of this college was selected for All India' Inter-university Athletic Championship.
5. The college team secured 1st position in Inter-College Baseball (M) Championship at C.D.L.U. Sirsa 04/11/2025.
6. 04 Basketball (Men) players of this college were selected for (North Zone) Inter-university Basketball Championship.
7. The college team secured 1st position in Inter-College (women) Basketball Championship at (C.D.L.U) Sirsa 04/11/2025.
8. 05 Basketball women player of the college were selected for (North Zone) Inter-university Basketball Championship (24/02/2025).
9. Participation in cyclothon 2.0 Organized by Govt of Harayana on 27/04/2025
10. Organized Annual Athletic meet (2024-2025) on 28-29/03/2025.
11. Organized program named " Har Pariwar Surya Namaskar on 24/01/2025.
12. Organized inter house Rassa – kasha competition on 26/10/2024
13. Distribution of National flag to students on 14/08/2024.



## Road Safety Activities

1. Intra College Road Safety Quiz competition was organized on 12/11/2024, number of students participated were 300.
2. Block level Road Safety Quiz competition was organized on 05/12/2024, number of students participated were 09.
3. District level Road Safety Quiz competition was organized on 18/12/2024, no. of participant 04.
4. Road Safety oath was organized on 10/01/2025, number of students participated were 200.
5. Poster Making, Slogan writing, Essay writing was organized on 05/02/2025, number of students participated were 25.
6. Road Safety Awareness Rally was organized on 11/02/2025, number of students participated were 50.

## NSS Activates

1. Tree Plantation drive under 'Ek Ped Maa ke naam' was organized on 11 July, 2024.
2. Trianga Yatra under 'Har Ghar Trianga' was organized on 12 Aug, 2024.
3. Celebration of Independence Day on 15 Aug, 2024
4. Tree Plantation in collaboration with Haryana Forest Department under 'Ek Ped Maa ke naam' was organized on 16 Aug, 2024.
5. Extension lecture on Digital Fraud was organized on 06 Sep, 2024.
6. Extension Lecture on Cyber Security was organized on 10 Sep, 2024.
7. Tree Plantation under 'Ek Ped Maa ke naam' was organized on 17 Sept, 2024.
8. Swachhta Abhiyaan under 'Swachhta hi Sewa' was organized on 18 Sept, 2024.
9. Swachhta Abhiyaan under 'Swachhta hi Sewa' was organized on 19 Sept, 2024.
10. Swachhta Abhiyaan under 'Swachhta hi Sewa' was organized on 20 Sept, 2024.
11. Celebration of NSS Day on 24 Sept, 2024.
12. NSS One Day Camp was organized on 17 Nov, 2024.
13. Celebration of National Unity Day on 31 October, 2024.
14. Pledge taking ceremony was organized on 16 Jan 2025.
15. 'Hamara samvidhaan Hamara swabhimaan' State Level Pledge reading ceremony was organized on 17 Jan 2025.
16. Celebration of Republic Day on 26 Jan, 2024.
17. Poster Making, Slogan Writing, and Essay Writing Competitions on Sadak Suraksha 2025 were organized on 5 Feb, 2025.
18. Seven Day Special Camp on the theme **"Youth for My Bharat "**with sub themes Digital Literacy, Importance of Swachhta, Women Empowerment, Road Safety Activities, Cyber Security, Personality Development, Digital India-Clean India, Awareness regarding Health and Hygiene, Water Conservation, Awareness Regarding Pollution and Protection of Environment, Character Building of Youth, etc. were organized on 08 Feb, 2025 to 14 Feb, 2025.
19. Poster Presentation on Union Budget 2025 was organized on 27 Feb, 2025.
20. Essay Writing Competition on National Science Day was organized on 28 Feb, 2025.
21. NSS One Day Camp was organized on 22 Mar, 2025.

## सांस्कृतिक गतिविधियां

1. दिनांक: 10.10.2024 को महाविद्यालय में प्रतिभा खोज प्रतियोगिता का आयोजन किया गया, जिसमें विद्यार्थियों के लिए 12 प्रकार की प्रतियोगिताएं आयोजित की गईं।
2. 25.11.2024 से 26.11.2024 तक महाविद्यालय में नेक पीयर टीम ने निरीक्षण किया।
3. दिनांक: 14.02.2025 से 15.02.2025 तक मानव संसाधन विकास योजना के अंतर्गत दो दिवसीय सांस्कृतिक कार्यक्रम का आयोजन किया गया।
4. दिनांक: 05.03.2025 को "कृत्रिमिक बुद्धिमत्ता: सामाजिक और आर्थिक अनुप्रयोग संभावना भविष्य की ओर एक कदम" विषय पर डॉक्टर ज्योति यादव के द्वारा एक सेमिनार का आयोजन किया गया। इसी कार्यक्रम के अंतर्गत अंतरराष्ट्रीय महिला दिवस पर डॉ. भारती सनेजा भी विस्तृत व्याख्यान करवाया गया।

## Activites of Subject Societies

### • Economics Subject Society

1. A one-day health check-up camp was organized in collaboration with Youth Red Cross Society on 27<sup>th</sup> September 2024. In which HB, Diabetes, blood group, eye testing, and psychiatric consultancy were arranged. The Eye Specialist (Dr. Vikas), the Psychiatrist (Dr. Rajesh), the Technical Officers (Mr. Pankaj and Mr. Ajit), and the Counselor (Mr. Sita Ram) from Civil Hospital Mandi Dabwali provided the services to test the overall health of the students. One hundred one (101) students benefited of eye testing, one hundred six from general testing, and twenty-three (23) benefited from psychiatric consultancy in the camp.
2. Thirteen Students attended the Econo Fiesta 2025 organized by the Department of Economics, Guru Nanak College, Killianwali (Sri Muktsar Sahib) on 06/03/2025. Mr. Yogender and Mr. Sourabh got second prize in Econrapido and Mr. Mukesh Kumar Bansal in sell this in one minute activities.

### • English Subject Society

1. A Spelling Writing Competition was organized by the English Department of this college in which 09 students participated. On the basis of the performance of the students, English Literary Society was formed. The names of the office bearers are given as following:

President	-	Nayan Kumar (B.A.-III)
Vice –President	-	Sanna Rani (B.A.-II)
Cashier	-	Anamika (B.A.-III)
Member	-	Pooja (B.A.-II)

### • Mathematics Subject Society

1. One student of B.Sc.-II (NM) attended the Init-Math programme from March 24-29, 2025 organized under the aegis of MTTS (Mathematics Training and Talent Search) Trust at Guru Nanak College, Killianwali, Punjab.
2. Ashish, B.Sc.-III (NM) is selected in M.Sc. Mathematics, NIT, Jaipur and Harsh, B.Sc.-III (NM) is selected in M.Sc. Mathematics, NIT, Jalandhar during the year 2024-2025.

### • Commerce Society Activities

1. Extension Lecture on "Igniting your Inner Genius through meditation and Stress Management Skills" delivered by Dr. Indira and Sh. Om Parkash from Brahmakumari's Society, Dabwali Branch was organized on 14/9/2024 number of students participated were 80
2. Short Paragraph Writing Competition on "What is Education? Is it necessary? Give reasons." Held on National Education day (11/11/2024) number of students participated were 25
3. Poster Presentation on Union Budget 2025 in collaboration with college NSS Unit was organized on 27/2/2025 number of students participated were 21

### • Chemistry Department Activities

1. Intra College science essay writing competition was organized on 19/09/2024 number of students participated were 21
2. District level science quiz competition was organized on 20/09/2024 number of students participated were 06
3. District level science essay writing competition was organized on 25/09/2024 number of students participated were 02
4. Inter district science exhibition was organized on 18/02/2025 number of students participated were 02
5. Intra College science essay writing competition on National Science Day was organized on 28/02/2025 number of students participated were 25

### • HISTORY SUBJECT SOCIETY

1. Essay Writing Competition on the occasion of "Bhagat Singh Jayanti" was organized on 27-09-2024 number of students participated were 28
2. Diya and Candle Decoration Competition organized in the college on the occasion of the great festival of Diwali (26-10-2024) number of students participated were 24 (12 Teams)

### • Physics Department Activities

1. Intra College science essay writing competition was organized on 19/09/2024 number of students participated were 21
2. District level science quiz competition was organized on 20/09/2024 number of students participated were 06
3. District level science essay writing competition was organized on 25/09/2024 number of students participated were 02



4. Inter district science exhibition was organized on 18/02/2025 number of students participated were 03
5. Intra College science essay writing competition on National Science Day was organized on 28/02/2025 number of students participated were 25

### • Geography Subject Society

1. 30/08/2024 को 'वन विनाश' विषय पर एक पोस्टर मेकिंग प्रतियोगिता का आयोजन किया गया।
2. 20/03/2025 को 'वैश्विक तापन' विषय पर लेख लेखन प्रतियोगिता आयोजित करवाई गई जिसमें 10 विद्यार्थियों ने भाग लिया।
3. 04/04/2025 को 'भूगोल में कृत्रिम बुद्धिमत्ता की भूमिका' विषय पर सेमिनार करवाया गया जिसमें मुख्य वक्ता डा. ज्योति यादव रहे।

### हिंदी विषय परिषद गतिविधियां

1. 21/09/2024 को स्वीप के अंतर्गत सुव्यवस्थित मतदाता शिक्षा एवं निर्वाचन सहभागिता के अंतर्गत, "मजबूत लोकतंत्र सब की भागीदारी" के अंतर्गत पोस्टर मेकिंग का आयोजन किया गया। जिसमें धापा देवी प्रथम, नवजोत, द्वितीय व बंटी सिंह ने तृतीय स्थान प्राप्त किया।
2. दिनांक 14.09.24 को हिंदी दिवस के उपलक्ष्य में राज्य स्तरीय ऑनलाइन निबंध लेखन का आयोजन, "मनीष पपनेजा मेमोरियल एस डी गर्ल्स कॉलेज" इस्माईलाबाद कुरुक्षेत्र के द्वारा किया गया जिसमें महाविद्यालय की दो छात्राएं रिया वह लखबीर कौर ने ऑनलाइन प्रतियोगिता में भाग लिया।
3. दिनांक 20.09 .2024 को हिंदी विषय परिषद की ओर से भारत सरकार के निर्देशानुसार हिंदी पखवाड़ा के अंतर्गत हरियाणा वीर व शहीदी दिवस के अवसर पर निबंध प्रतियोगिता का आयोजन किया गया, जिसमें 25 प्रतिभागियों ने भाग लिया। वीरपाल कौर प्रथम, रिया ने द्वितीय अनामिका ने तृतीय स्थान प्राप्त किया। इस प्रतियोगिता के आधार पर हिंदी विषय परिषद का गठन भी किया गया।
4. दिनांक 25.09.2024 को हिंदी सप्ताह पखवाड़ा के अंतर्गत कविता उच्चारण में गीत गायन का कार्यक्रम आयोजित किया गया, जिसमें विद्यार्थियों ने तन्मयता से भाग लिया।
5. दिनांक 16.11.2024 को अग्रसेन महिला महाविद्यालय झज्जर में ऑनलाइन राज्य स्तरीय निबंध प्रतियोगिता का आयोजन किया गया, जिसमें अनामिका ने प्रशस्ति पत्र व नवजोत कौर ने प्रथम स्थान प्राप्त किया वह ₹500 की नगद राशि और ई सर्टिफिकेट भी प्रदान किए गए।
6. दिनांक: 22.03. 2025 को "शहीद - ए आजम- भगत सिंह" की पावन स्मृति में भाषण प्रतियोगिता का आयोजन किया गया, जिसमें खुशप्रीत प्रथम, अनामिका द्वितीय, अनमोल प्रीत तृतीय व अनमोल को सांत्वना पुरस्कार प्रदान किया गया। इसमें लगभग 21 प्रतिभागियों ने भाग लिया।

7. दिनांक: 2.04.2025 को गुरु नानक कॉलेज किलियावाली के ऑडिटोरियम में वरिष्ठ नागरिक कल्याण संघ की ओर से शहीद भगत सिंह, राजगुरु और सुखदेव को समर्पित राष्ट्रीय स्तर की अंतर महाविद्यालय कविता और भाषण प्रतियोगिता का आयोजन किया गया, जिसमें कविता उच्चारण प्रतियोगिता में अनमोल ने द्वितीय में खुशप्रीत ने भाषण प्रतियोगिता में सांत्वना पुरस्कार प्राप्त किया।

### • Punjabi Subject Society

1. मिति 5-09-2024 नुं उच्च सिंघिया विभाग ਦੇ ਪੱਤਰ ਨੰਬਰ 9/170 -2023 ਦੇ ਨਿਰਦੇਸ਼ਾਂ ਅਨੁਸਾਰ ਸਾਖਰਤਾ ਹਸਪਤਾਲ ਦੇ ਸੰਦਰਭ ਵਿੱਚ ਪੋਸਟਰ ਮੇਕਿੰਗ, ਸਲੇਗਨ ਰਾਈਟਿੰਗ, ਰੈਲੀ ਡਿਬੇਟ ਅਤੇ ਸਪੀਚ ਮੁਕਾਬਲੇ ਕਰਵਾਏ ਗਏ। ਇਸ ਮੁਕਾਬਲੇ ਵਿੱਚ 32 ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਭਾਗ ਲਿਆ।
  - a. ਪੋਸਟਰ ਮੇਕਿੰਗ ਮੁਕਾਬਲੇ ਵਿੱਚ ਵੀਰਵਿੰਦਰ ਕੌਰ B.A.॥ ਨੇ ਪਹਿਲਾਂ, ਨਵਦੀਪ ਕੌਰ B.A.॥ ਨੇ ਦੂਸਰਾ ਅਤੇ ਬੰਟੀ ਸਿੰਘ B.A.॥ ਨੇ ਤੀਸਰਾ ਸਥਾਨ ਪ੍ਰਾਪਤ ਕੀਤਾ।
  - b. ਸਲੇਗਨ ਰਾਈਟਿੰਗ ਮੁਕਾਬਲੇ ਵਿੱਚ ਮੇਨਿਕਾ B.A.॥ ਨੇ ਪਹਿਲਾ ਸਥਾਨ, ਨਵਦੀਪ ਕੌਰ B.A.॥ ਨੇ ਦੂਸਰਾ ਸਥਾਨ ਅਤੇ ਸਨਾ ਰਾਣੀ B.A.॥ ਨੇ ਤੀਸਰਾ ਸਥਾਨ ਪ੍ਰਾਪਤ ਕੀਤਾ।
  - c. ਡਿਬੇਟ ਮੁਕਾਬਲੇ ਵਿੱਚ ਹਨੁਮਾਨ B.A.॥ ਅਤੇ ਨਰਾਇਣ B.A.॥ ਨੇ ਪਹਿਲਾਂ ਸਥਾਨ ਪ੍ਰਾਪਤ ਕੀਤਾ, ਪ੍ਰਦੀਪ B.A.॥ ਅਤੇ ਅਭਿਸ਼ੇਕ B.A.॥ ਨੇ ਦੂਸਰਾ ਸਥਾਨ ਪ੍ਰਾਪਤ ਕੀਤਾ, ਅਨੂ B.A.॥ ਅਤੇ ਕਾਂਤਾ B.A.॥ ਨੇ ਤੀਸਰਾ ਸਥਾਨ ਪ੍ਰਾਪਤ ਕੀਤਾ।
  - d. ਸਪੀਚ ਮੁਕਾਬਲੇ ਵਿੱਚ ਆਸਵੀਰ ਕੌਰ B.A.॥ ਨੇ ਪਹਿਲਾ ਸਥਾਨ ਪ੍ਰਾਪਤ ਕੀਤਾ, ਹਨੁਮਾਨ B.A.॥ ਨੇ ਦੂਸਰਾ ਸਥਾਨ ਅਤੇ ਰਵਿੰਦਰ B.A.॥ ਨੇ ਤੀਸਰਾ ਸਥਾਨ ਪ੍ਰਾਪਤ ਕੀਤਾ।
2. ਮਿਤੀ 4-0-9-2024 ਨੂੰ ਪੰਜਾਬੀ ਵਿਸ਼ਾ ਪ੍ਰੀਸ਼ਦ ਵੱਲੋਂ ਪੰਜਾਬੀ ਸਾਹਿਤ ਸਭਾ ਲਈ ਵਿਦਿਆਰਥੀਆਂ ਦੀ ਚੋਣ ਕੀਤੀ ਗਈ ਇਸ ਚੋਣ ਲਈ ਇੱਕ ਨਿਬੰਧ ਲੇਖਣੀ ਮੁਕਾਬਲਾ ਕਰਵਾਇਆ ਗਿਆ ਇਸ ਮੁਕਾਬਲੇ 'ਚ 12 ਵਿਦਿਆਰਥੀਆਂ ਨੇ ਭਾਗ ਲਿਆ ਜਿਸ ਦੇ ਆਧਾਰ ਤੇ ਗੁਰਸੇਵਕ ਸਿੰਘ M.A.॥ ਨੂੰ ਪ੍ਰਧਾਨ, ਅਨਾਮਿਕਾ B.A.॥ ਨੂੰ ਉਪ ਪ੍ਰਧਾਨ, ਰਵੀ M.A.॥ ਨੂੰ ਸਕੱਤਰ ਅਤੇ ਪ੍ਰਵੀਨ ਕੁਮਾਰ M.A.॥ ਤੇ ਆਸ ਵੀਰ ਕੌਰ M.A.॥ ਨੂੰ ਮੈਂਬਰ ਚੁਣਿਆ ਗਿਆ।

### Personal achievements session 2024-2025

Following were personal achievements of staff members during the session 2023-2024.

**Dr. Bharti Brar, Associate Professor of Commerce**

Participated in the following:

1. 14 to 18 July 2024 - Five Days National Level Online Workshop on "Writing and Publishing for Scopus, ABDC and Web of Science Journals" organized by Research Education Solutions in association with Multani Mal College, Patiala.
2. 10 to 12 Aug 2024 - Three Days National Level Online Workshop on "Qualitative Data Analysis using NVivo" organized by Research Education Solutions in association with Institute of Management, Bhubaneswar.
3. 08 Feb 2025 - Paper Presented entitled "Ecopreneurship: Raison d'etre for sustainable existence" in ICSSR sponsored One Day National Seminar on the topic "Entrepreneurship and Startups: Dynamic Realm of Opportunities and Challenges" organized by Guru Nanak College, Killianwali, Sri Muktsar Sahib, Punjab.
4. 23 Feb 2025 - Paper Presented entitled "Sustainable Living -The only road to our future ahead" in One Day International Seminar on the topic "Indigenous Knowledge, Self Reliance and Sustainability" organized by Govt. College, Bhattu Kalan, Fatehabad, Haryana.
5. 07 to 09 April 2025 -Three days Capacity Building Workshop on "Waste Segregation and Waste Treatment at Household Level" organized by Department of Environmental Science and Technology, Central University of Punjab, Bathinda, India.

**Dr. Usha Bhati, Associate Professor of Commerce**

• **Research Papers Published/Accepted for Publication / Presented in Seminar/Conference Titled:**

1. Analysis of of group twenty(g20) impact on foreign direct investment inflows to india, published in international journal of foreign trade and international business, IJFTIB 2025; 7910:115-121, E-ISSN: 2663-3159, P-ISSN: 2663-3140.
2. The impact of mobile phone use on mental health of the youth, accepted for publication in international journal of research in human resource management, E-ISSN:2663-3361, P-ISSN: 2663-3213 .
3. Presented a paper in ICSSR sponsored one day national seminar on 08-02-2025, organized by Guru Nanak College Killianwali Distt. Sri Mukatsar Sahib, titled : the role of startups in employment generation in india.
4. Presented a paper in ICSSR sponsored one day international conference on 023-02-2025, organized by govt. College Bhattu Kalan Distt. Fatehabad, titled : the role of principles of management in sustainability.
5. Acted as chairperson in online technical session of ICSSR sponsored one day national seminar on 08-02-2025, organized by guru nanak college killianwali distt. Sri Mukatsar Sahib.

**Dr. Manjeet Kumar, Assistant Professor of Mathematics**

• **Research Publications in Refereed SCI Journals (International)**

1. Seismic wave reflection characteristics and wave-induced fluid flow in partially saturatedporous media. Scientific Reports, Impact Factor: 3.8. Accepted.
2. Stability and Multiple Solutions of Ternary Hybrid Nanofluid in a Darcy-Forchheimer Porous Medium Over a Stretching/Shrinking Surface. Journal of Thermal Analysis and Calorimetry, Impact Factor: 3. Accepted.



3. Analysis of hybridized AA7072 and AA7075 alloys nano materials within MHDDarcy–Forchheimer flow through a moving thin needle. Kaswan, P., Kumar, M., Kumari, M., Oztop H. F. Thermal Advances, 2025, 2, 100020.
4. Rayleigh-Type wave in thermo-poroelastic media with dual-phase-lag heat conduction. Kumar, M., Lather P., Fu LY, Kumari N., Kaswan P., Nianqi L., Kumari M. International Journal of Numerical Methods for Heat and Fluid Flow, 2025.
5. Stability Analysis of Dual Solutions for Nonlinear Radiative Magnetohydrodynamic Flow of Ag – T – iO<sub>2</sub>/H<sub>2</sub>O Hybrid Nanofluid over a Nonlinearly Shrinking Surface. Kaswan, P., Kumar, M., Kumari, M., Mandal, G. Thermal Advances, 2024, 1, 100002.
6. Inhomogeneous wave propagation porothermoelastic medium with dual lag phase heat conduction. Kumari, M., Lather, P., Kumari, N., Kaswan, P., Kumar, M. Journal of Porous Media, 2024, Impact Factor: 2.5.
7. Wave-induced fluid flow and reflection/transmission of seismic waves at a fluid/double-porosity thermoelastic medium interface. Kumar, M., Singh, A., Kumari, N., Ahmad, H., Askar, S., Kaswan, P., Kumari, M. Physica Scripta, 2024, 99(8), 085026, Impact Factor: 2.6.
8. Entropy generation analysis of microrotating Casson's nanofluid with Darcy–Forchheimer porous media using a neural computing based on Levenberg–Marquardt algorithm. Kumar, M., Kaswan, P., Kumari, M. International Journal of Numerical Methods for Heat and Fluid Flow, 2024, 34(6), pp.2285–2320, Impact Factor: 4

### ● Citations Summary

1. Total No. of Citation as on 13 April, 2025 :519
2. h-index :13
3. i10-index (Publications with atleast 10 citations) :21

### ● International Conferences

1. Entropy generation analysis of a ternary hybrid nanofluid over Riga plate utilizing artificial neural networks. One-Day International Conference on "Indigenous Knowledge, Self-Reliance and Sustainability" held on 23rd February 2025 at Government College, Bhattu Kalan.
2. Entropy generation analysis of a ternary hybrid nanofluid over Riga plate utilizing artificial neural networks. One-Day International Conference on "Indigenous Knowledge, Self-Reliance and Sustainability" held on 23rd February 2025 at Government College, Bhattu Kalan.

### ● Invited Talks/Lectures

1. Invited talk on "Wave Propagation in an unsaturated porous solid" in the International Conference on "Recent Trends & Innovations in Mathematics, Statistics and Scientific Computing (IC-RTIMSSC-2025)" organized by Department of Mathematics and Department of Computer Science & Engineering, IGU, Meerpur, Rewari during March, 05-06, 2025.
2. Participated as Resource Person and delivered lecture on Basic Documentation in LaTeX in the One Week National Workshop on "Foundation Course on Mathematics & Research Methodology" on the occasion of 137th Birth Anniversary of Genius Mathematician Srinivasa Ramanujan organised by the Department of Mathematics & IQAC, NSCBM Govt. College Hamirpur (H.P.) from Dec. 16, 2024 to Dec. 21, 2024.

1. Presented the paper "Role of Industrial Policies in Industrialization with special reference to India: A Critical Appraisal" in the 18<sup>th</sup> International Conference organized by Gyan Jyoti Institute of Management and Technology, Mohali on 20<sup>th</sup> Dec. 2024.
2. Presented the paper "*The Role of Start-ups in Employment Generation in India*" in the National Seminar organized by Guru Nanak College, Killianwali (Shri Mukatsar Sahib) on 08-02-2025.
3. Attended a 5-day Offline Course on 'Economics of Innovation and Sustainable Development' organized by the Department of Economic Studies, Central University of Punjab from 04th - 08th March 2025.

### **Dr. Rajpal Verma, Assistant Professor of Chemistry**

#### **• Research Publications**

1. Rajpal, Gaurav Dhingra, Gurdeep Singh, Nidhi Dureja, and Ashok Kumar Malik. "Amino-functionalized metal organic framework-based dispersive micro-solid-phase extraction coupled with HPLC for sensitive quantification of Bisphenol-A and alkyl phenols in aqueous samples." *Journal of Separation Science Plus* (2024).

#### **• Invited Talks/Lectures**

1. Expert Talk on the topic "The Importance of Higher Education"/ "Science Promotion" at PM SHRI Govt. Sr. Sec. School, Rupawason 31/01/2025 under Monitoring and Mentoring of Schools by Higher Education Institutes.
2. Expert Talk on the topic "The Importance of Higher Education and Science Promotion" at Aarohi Model Sr. Sec. School, Jhiri (Baragudha) on 20/02/2025 under Monitoring and Mentoring of Schools by Higher Education Institutes.

#### **• International/National Conference**

1. Paper presentation entitled "Applications of metal-organic frameworks in science and technology for sustainable development and environmental remediation" held on 23rd February 2025 at Government College, Bhattu Kalan, Fatehabad, Haryana.

### **Dr. Surender Pal, Assistant Professor of Geography**

1. Evaluation of Green Environment' a paper presented in one day Multidisciplinary National Seminar on 'Sustainable Solutions for Greener Future' organised by Govt. Post Graduate College for Women, Rohtak held on February 08, 2025.
2. Role of Artificial intelligence in Geography: An overview' a paper presented in two day Multidisciplinary Seminar on 'Artificial Intelligences: Social and Economic Application Prospective' organised by Sri Guru Hari Singh College, Sri Jiwan Nagar (Sirsa) on February 28-March 01, 2025.

### **Dr. Shanno Devi, Assistant Professor of Hindi**

1. दिनांक: 12 जनवरी 2025 को कुरुक्षेत्र में आयोजित NEP मीट में भाग लिया।



2. दिनांक: 23 जनवरी 2025 को वरिष्ठ नागरिक कल्याण संघ की ओर से सुभाष चंद्र बोस जयंती पर सीनियर सेकेंडरी स्कूल में निर्णायक मंडल की भूमिका के रूप में भाग लिया।
3. 26 जनवरी को स्टेडियम में गणतंत्र दिवस के अवसर पर मंच संचालन में भाग लिया।
4. 8 फरवरी को गुरु नानक कॉलेज किलियावाली में "लघु व्यवसाय प्रबंधन और उद्यमिता" विषय पर नेशनल सेमिनार में पेपर प्रजेंट किया।
5. 23 फरवरी को राजकीय महाविद्यालय भट्टू में "स्वदेशी ज्ञान और साहित्य" विषय पर पेपर प्रजेंट किया।
6. 28 फरवरी 2025 व 1 मार्च 2025 को श्री गुरु हरि सिंह कॉलेज श्री जीवन नगर में दो दिवसीय नेशनल सेमिनार में "कृत्रिमिक बुद्धिमत्ता और साहित्य: क्या यह सब बेहतरी के लिए है" विषय पर पेपर प्रजेंट किया।
7. 3 सितंबर 2024 से 16 सितंबर 2024 तक विधानसभा चुनाव में नामांकन पत्र पत्र को सीरियल वाइज करने के लिए ड्यूटी का निर्वहन किया।

#### **Dr. Sunil Kumar Assistant professor of Physics**

1. Paper presentation entitled "Fundamental Theories of Laser-Induced Damage Threshold: A Sustainable Perspective" in one-Day International Conference on "Indigenous Knowledge, Self-Reliance and Sustainability" held on 23rd February 2025 at Government College, BhattuKalan, Fatehabad, Haryana.

#### **Mr. Jaswinder Singh, Assistant Professor of Chemistry**

##### **• Invited Talks/Lectures**

1. Expert Talk on the topic Global Warming at PM Shri Govt. Sr. Secondary School Bijjuwali and Govt. Sen. Sec. School Risalia Khera on 18/01/2025 under Monitoring and Mentoring of Schools by Higher Education Institutes.

##### **• International Conference**

2. Paper presentation entitled "Scientific and Technological Applications of Nanoparticles for sustainable development" held on 23rd February 2025 at Government College, Bhattu Kalan, Fatehabad, Haryana.

#### **Dr. Bharti Saneja, Assistant Professor of Computer Science**

1. Participated in seminar on "Artificial Intelligence: Social & Economic Application Prospective" organized by Sri Guru Hari Singh College Sirsa from 28<sup>th</sup> Feb to 1<sup>st</sup> March 2025
2. Successfully completed SAWIT.AI Learnathon Program on Generative AI held on 21<sup>st</sup> Sep 2024.
3. Received Best Counsellor (Female) Award from Dist. Red Cross Society, Sirsa.
4. Participated in a Webinar on "Digital Signature Standards" organized by Ministry of Electronics & Information Technology, Govt. of India on 15<sup>th</sup> Oct 2024

#### **Dr. Pradeep Kaswan, Assistant Professor of Mathematics**



- **Research Publications in Refereed SCI Journals (International)**

1. Analysis of hybridized AA7072 and AA7075 alloys nanomaterials within MHD Darcy–Forchheimer flow through a moving thin needle. Kaswan, P., Kumar, M., Kumari, M., Oztop H. F. Thermal Advances, 2025, 2, 100020.
2. Rayleigh-Type wave in thermo-poroelastic media with dual-phase-lag heat conduction. Kumar, M., Lather P., Fu LY, Kumari N., Kaswan P., Nianqi L., Kumari M. International Journal of Numerical Methods for Heat and Fluid Flow, 2025.

- **Refresher/Short Term Course/Workshop**

1. Attended the Orientation Programme on PFMS at GJU Hisar on 02 Aug, 2024.
2. Participated in "Three days capacity building workshop on waste segregation and treatment of waste at household level" held from 07-09 April 2025 at Central University of Punjab, Bathinda, India.

**Dr. Jyoti Yadav, Assistant Professor of Computer Science**

1. Participated in a Webinar on “ Digital Signature Standards” organized by Ministry of Electronics & Information Technology, Govt. of India on 15<sup>th</sup> Oct 2024
2. Successfully completed SAWIT.AI Learnathon Program on Generative AI held on 21<sup>st</sup> Sep 2024.
3. Participated in one week FDP on “Intellectual Property Rights, Patents and Research “organized by Tezpur University from 25<sup>th</sup> Sep. 2024 to 01<sup>st</sup> Oct 2024.
4. Delivered guest lecture on cyber security in Govt. Sr. Sec. School Warring Khera on 17.01.25.
5. Successfully completed FDP on “Building Web Development Solutions with Cloud Computing “Organized by Edunet from 09.12.24 to 13.12.2024.
6. Presented paper entitled “The Global Reach of Online Learning Platforms: Challenges and Opportunities” in International conference from 31<sup>st</sup> Jan to 01<sup>st</sup> feb 2025.

Principal  
Dr. Jyoti Yadav  
Govt. Collg.  
Dabwali