



# GAUTAM COLLEGE OF PHARMACY HAMIRPUR (H.P.)

(Approved by PCI - New Delhi & Himachal Government)

Affiliated to Himachal Pradesh Technical University, Hamirpur & Himachal Pradesh Technical Shiksha Board, Dharamshala

Ref. No.: GC PH / HM / 2024 / 342 (A)

Date: 20/11/24

## Circular

**Subject:** One-Day National Conference on the Role of Artificial Intelligence in Basic and Health Sciences.

The details of the National Conference are as follows:

**Date:** 23<sup>rd</sup> November 2024

**Time:** 10:00 AM – 5:00 PM

**Venue:** Gautam College of Pharmacy, Hamirpur

**Speakers:** Dr. Pramil Tiwari (Head of Department Pharmacy Practice NIPER, Mohali)

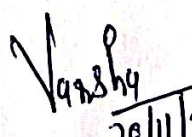
Dr. Chandan Bhardhwaj (Principal Govt. College Majheen Distt. Kangra)

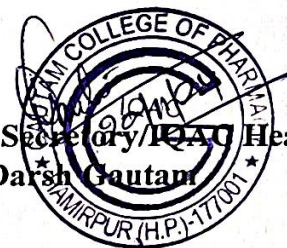
Mr. Jasveer Singh (Associate Professor at Laureate college of Information and Technology Kathog)

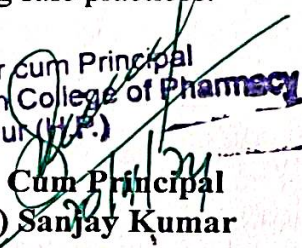
Dr. Sarita Thakur (Registrar HPNRC Shimla)

**Organized by:** Gautam College of Pharmacy, Hamirpur

We are pleased to announce the **One-Day National Conference on The Role of Artificial Intelligence in Basic and Health Sciences**, which will be held on **23/11/2024** at Gautam College of Pharmacy, Hamirpur. This conference aims to bring together experts, researchers, and practitioners from the fields of Artificial Intelligence (AI), Basic Sciences, and Health Sciences to explore the profound impact of AI on these domains. The event will offer a platform for insightful discussions on current trends, research developments, and the future of AI applications in improving human health and advancing scientific research. This workshop is mandatory for all teaching and non-teaching staff members. Your participation is essential for improving the quality of laboratory management and ensuring safe practices.

  
20/11/24  
Event Coordinator  
Ms. Varsha Devi

  
Organizing Secretary / IQAC Head  
Dr. Darsh Gautam

  
Director cum Principal  
Gautam College of Pharmacy  
Hamirpur (H.P.)  
Director Cum Principal  
Prof. (Dr.) Sanjay Kumar



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## REPORT

### One-Day National Conference on "Role of AI: Basic & Health Sciences"

**Date:** 23th Nov. 2024

**Time:** 10:00-05:00pm

**Venue:** Gautam College of Pharmacy, Hamirpur

**Speakers:** Dr. Pramil Tiwari (Head of Department Pharmacy Practice NIPER, Mohali)

Dr. Chandan Bhardhwaj (Principal Govt. College Majheen Distt. Kangra)

Mr. Jasveer Singh (Associate Professor at Laureate college of Information and Technology Kathog)

Dr. Sarita Thakur (Registrar HPNRC Shimla)

#### Introduction

A one-day National Conference on the "Role of AI in Basic & Health Sciences" was organized by Gautam College of Pharmacy, Hamirpur, on 23/11/2024. The event brought together experts, researchers, academicians, and students from various institutions across the country to discuss the transformative potential of Artificial Intelligence (AI) in revolutionizing both basic and health sciences. The conference aimed to explore how AI technologies can be harnessed to address contemporary challenges in the medical and pharmaceutical domains.

#### Objectives

The primary objectives of the conference were:

1. To enhance understanding of AI technologies and their applications in the field of basic and health sciences.
2. To explore the potential of AI in improving healthcare delivery, drug development, and personalized medicine.
3. To provide a platform for students, researchers, and professionals to interact, share ideas, and collaborate on AI-related projects.

#### Inaugural Session

The conference commenced with an opening ceremony held in the college auditorium. The event was attended by eminent speakers and a large audience of students, faculty members, and researchers. Dr. Ved Prakash Patial, the chief guest and a renowned figure in AI research, delivered the inaugural address. In his speech, Dr. Ved Prakash Patial emphasized the importance of interdisciplinary collaboration, particularly between AI and the health sciences, in addressing some of the most pressing health issues faced globally. He also outlined the key



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advancements in AI and how these could be applied to improve diagnostic accuracy, treatment planning, and drug discovery.

Dr. Sanjay Kumar, Principal of Gautam College of Pharmacy, welcomed the guests and highlighted the college's commitment to promoting research and innovation in emerging fields such as AI and biotechnology.

## Keynote Sessions

The conference featured a series of keynote addresses by experts in the fields of Artificial Intelligence and Health Sciences. These sessions provided deep insights into various aspects of AI applications

### 1. AI for Personalized Medicine

Dr. Chandan Bhardhwaj a prominent expert in bioinformatics and AI, elaborated on the concept of personalized medicine powered by AI. She discussed how AI technologies enable the analysis of large datasets (including genetic information) to tailor medical treatments specific to individuals, thereby enhancing the efficacy of therapies and minimizing side effects.

### 2. AI in Drug Discovery and Development

Dr. Jasveer Singh, a leading researcher in pharmaceutical AI applications, discussed how machine learning and AI models are transforming the way new drugs are discovered. He explained how AI can streamline the drug discovery process by predicting molecular interactions, identifying potential drug candidates, and minimizing the need for expensive clinical trials.

### 3. AI in Diagnostics and Imaging

Dr. Sarita Thakur, focused on the role of AI in medical diagnostics. She demonstrated how AI algorithms are being used to enhance image recognition and interpretation, enabling quicker and more accurate diagnoses, particularly in the fields of radiology, oncology, and pathology.

## Technical Sessions

After the keynote addresses, the conference continued with technical sessions, where various papers were presented by researchers and students. Topics covered in these sessions included:

- The use of AI in analyzing biological data for disease prediction.
- Machine learning models for predicting drug resistance in pathogens.
- AI-based tools for improving the accuracy of medical imaging.
- The role of AI in managing healthcare data and electronic health records (EHR).
- Ethical implications and challenges in implementing AI in healthcare.

Each of these sessions was followed by Q&A rounds, where attendees engaged with the speakers to delve deeper into the discussed topics.



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## Panel Discussion

A panel discussion on "Challenges and Future of AI in Health Sciences" was held in the afternoon. The panelists included distinguished AI experts, healthcare professionals, and pharmaceutical industry representatives. The discussion focused on the following key themes:

- The ethical concerns surrounding the use of AI in healthcare, such as patient privacy, data security, and the potential for bias in AI algorithms.
- Regulatory frameworks needed to ensure the safe integration of AI into clinical settings.
- The potential of AI to bridge gaps in healthcare accessibility, especially in underserved regions.

The panel also addressed the importance of training the next generation of professionals in AI and health sciences to maximize the benefits of these technologies.

## Student Involvement and Presentations

A key highlight of the conference was the active participation of students, who presented their research projects and innovative ideas on the role of AI in healthcare and pharmaceutical sciences. The student presentations included discussions on:

- AI for early disease detection and prevention.
- AI tools for optimizing drug dosage and personalized treatment plans.
- The integration of AI with telemedicine and remote healthcare.

The student presentations were judged by a panel of experts, and awards were given for the most innovative and impactful projects.

## Conclusion and Closing Remarks

The conference concluded with a closing ceremony where Dr. Darsh Gautam delivered the concluding remarks. He commended the efforts of the organizing committee and expressed appreciation for the enthusiasm and participation of all attendees. He emphasized the importance of continued research and collaboration to fully realize the potential of AI in revolutionizing the healthcare and pharmaceutical sectors.

Dr. Darsh Gautam, on behalf of the organizing committee, thanked all the speakers, panelists, participants, and volunteers for making the conference a success. The event was a valuable opportunity for all involved to exchange ideas, discuss challenges, and explore the future of AI in basic and health sciences.

## Outcome and Future Directions



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The conference succeeded in providing a platform for networking, knowledge sharing, and idea generation. It underscored the importance of AI as a powerful tool for enhancing healthcare and pharmaceutical research. The discussions and presentations served as a reminder of the importance of continuous innovation and cross-disciplinary collaboration in solving global health challenges. The participants expressed keen interest in future collaborations and research initiatives, suggesting that the integration of AI into health sciences is poised to accelerate in the coming years.

Overall, the conference at Gautam College of Pharmacy was a resounding success and set the stage for future endeavors aimed at leveraging AI to improve health outcomes and advance scientific research.

**Acknowledgments:** The organizing committee of the National Conference at Gautam College of Pharmacy extends its heartfelt thanks to all the speakers, delegates, and participants for their contributions and enthusiasm. Special thanks go to the faculty members and students who worked tirelessly to make the event a success.

## Glimpse of National conference:



Image 1



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Image 2



Image 3



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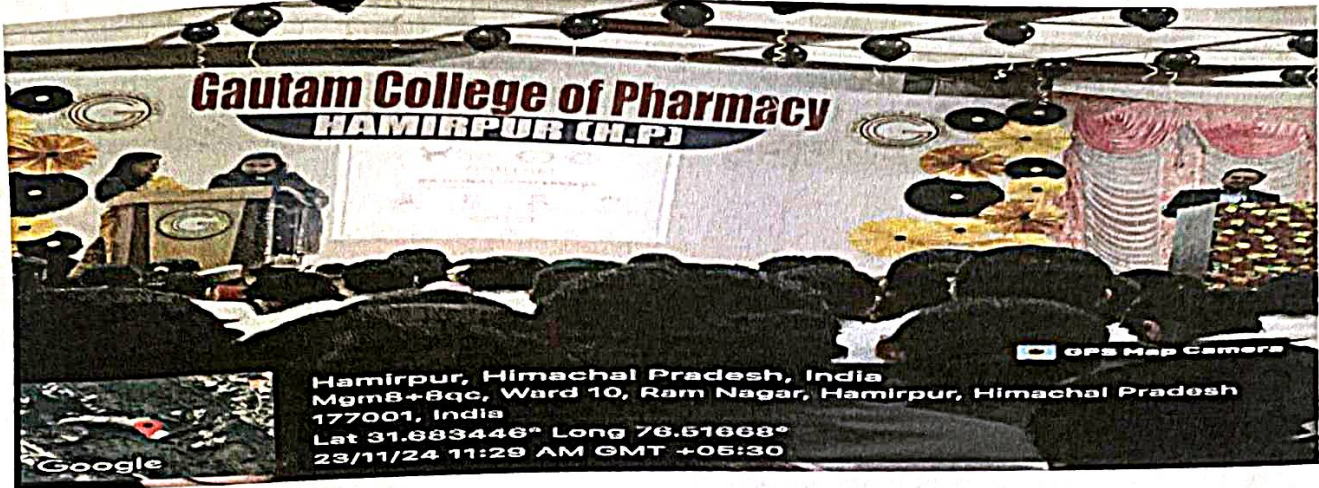


Image 4

## गौतम ग्रुप ऑफ कॉलेज में होगा एक दिवसीय सम्मेलन का आयोजन, देशभर से 700 प्रतिभागी लेंगे भाग

हमीरपुर। गौतम ग्रुप ऑफ कॉलेज में 23 नवंबर को आधार तथा स्वास्थ्य विज्ञान में कृत्रिम बुद्धिमत्ता की भूमिका विषय पर एक दिवसीय सम्मेलन का आयोजन किया जाएगा। जिसमें हिमाचल प्रदेश के विभिन्न महाविद्यालयों के अतिरिक्त पूरे देश के विभिन्न क्षेत्रों से लगभग 700 प्रतिभागी हिस्सा लेंगे। इस सम्मेलन के लिए देश भर के प्रतिष्ठित लेखकों के लगभग 100 अमूर्त प्राप्त हुए हैं। यह जानकारी देते हुए गौतम ग्रुप ऑफ कॉलेज के प्रबंध निदेशक एवं कार्यक्रम के मुख्य संरक्षक जगदीश गौतम ने बताया कि इसकी सम्पूर्ण तैयारियां पूरी कर ली गई है। महाविद्यालय के स्टाफ तथा विद्यार्थियों में भी इस आयोजन को लेकर बड़ा उत्साह है।

## दैनिक सवेरा

### गौतम कॉलेज में राष्ट्रीय सम्मेलन का आयोजन



**संवेग न्यूज/अक्षय**  
हमीरपुर, 23 नवंबर : गौतम समूह के कॉलेजों द्वारा 'कृत्रिम बुद्धिमत्ता की भूमिका: आधारभूत और स्वास्थ्य विज्ञान' विषय पर एक राष्ट्रीय सम्मेलन का आयोजन किया गया। कार्यक्रम के मुख्य अतिथि डॉ. डॉ. वेद प्रकाश शर्मा थे।  
सम्मेलन में प्रमुख अतिथियों में जगदीश गौतम (मैनेजिंग डायरेक्टर, गौतम समूह), डॉ. रमेशचंद्र गौतम (सचिव, गौतम समूह), डॉ. संजय कुमार (प्राचार्य, गौतम कॉलेज ऑफ फार्मेसी), डॉ. विजय कुमार (प्राचार्य, गौतम कॉलेज), पुनम (प्राचार्य, गौतम कॉलेज ऑफ नर्सिंग) और डॉ. रतन चंद शर्मा (इंटरनेट) शामिल रहे।  
सम्मेलन में विभिन्न कॉलेजों के 700 से अधिक छात्रों और शिक्षकों ने भाग लिया। कार्यक्रम की विशेषता गौतम कॉलेज ऑफ फार्मेसी की छात्रों द्वारा प्रस्तुत पारंपरिक लोक नृत्य नाट्य रही, जिसने सभी को मंत्रमुग्ध कर दिया। इसके अलावा, मोबाइल और पोस्टर प्रस्तुतियों का आयोजन किया गया, जिसमें छात्रों ने अपनी प्रतिभा का प्रदर्शन किया। कार्यक्रम का समापन डॉ. नेहा शर्मा (उप-प्राचार्य, गौतम कॉलेज ऑफ नर्सिंग) और डॉ. दर्शन गौतम (विभागाध्यक्ष, फार्मास्यूटिकल, गौतम कॉलेज ऑफ फार्मेसी) द्वारा समुक्त रूप से धन्यवाद ज्ञापन के साथ हुआ। दोनों ने पूरी अतिथियों, प्रतिभागियों और आयोजन समिति का सफल करंक्रम के लिए आभार व्यक्त किया और भविष्य में ऐसे कार्यक्रमों के आयोजन की प्रेरणा दी।

Sun, 24 November 2024  
epaper.dainiksaveratimes.in/c/76289014

Image 5: News cutting of National Conference

*Varsha*  
27/11/24  
Event Coordinator  
Ms. Varsha Devi



Director Cum Principal  
Prof. (Dr.) Sanjay Kumar



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