स्वास्थ्य अनुसंधान विभाग
Department of Health Research

DHR-ICMR Funded

Two Days Workshop

On

"FUTURE HEALTHCARE TECHNOLOGIES IN AR AND VR"

Date : 27th – 28th November, 2026

Venue: Auditorium, CIMS, Bilaspur (C.G.)



Registration Free

Organized by:

Department of Pharmaceutical Sciences & IQAC

Dr. C.V. RAMAN UNIVERSITY

(Accredited "A" Grade by NAAC)

Kargi Road, Kota, Dist. Bilaspur (C.G.) Phone: 07753-253801,
Website: www.cvru.ac.in, e-mail: info@cvru.ac.in



About the University

Dr. C.V. Raman University was set up as Chhattisgarh's first private university on 3rd November 2006 and inaugurated on 14th October 2007, over a vast area of 70 acres with excellent infrastructure in the tribal region of Kota, District Bilaspur in Chhattisgarh. The university was established under Niji Vishwavidyalaya Adhiniyam 2005. Over the years, the university has established itself as the research and educational hub of the region, covering a wide expanse of courses and fields like engineering, management, arts, science, education, law, IT, etc. The university started functioning as per its approved status and ordinances from the academic year (2007-08). It is recognized by UGC and approved by PCI, AICTE, NCTE, BCI as well as certified by ISO:9001:2008, a member of AIU, listed in NIRF ranking. It is listed in Top 30 Engineering Colleges in India (INDIATODAY 2018).

Dr. C.V. Raman University is a renowned Higher education centre of Central India for Research and innovation, matching the leading universities in the country in attracting researchers, innovators and scholars of the highest quality. The University exhibits a higher education brand synonymous with the finest standards of academic excellence, assembling and maintaining research teams applying pioneering approaches to the major global challenges. The University is actively engaged in refining its Research & Development (R&D) ecosystem to strengthen its academic & research competence encompassing a multidisciplinary approach. A distinctive feature of the University is its commitment to a social responsibility agenda, aimed at enhancing the lives of all people, from local communities to international populations, through knowledge transfer, education & Research.

The University is currently ranked gradually in the Ranking frameworks carried out annually by the various Higher education bodies & Councils of the Country as well as accredited 'A' Grade by NAAC in the year 2023.

About the Department

Department of Pharmaceutical Sciences, established in 2019, has rapidly developed into a centre of academic excellence and professional growth. The department currently running D.Pharm, B.Pharm, M.Pharm and Ph.D programmes. The department offers a plastic free clean and eco-friendly Green Campus environment, ensuring sustainability and a healthy learning atmosphere. Faculty members are well-qualified and research-driven, contributing 60+ Research Papers, 15+ Text books and book chapters and 10+ Patents in the department. Advanced laboratories of Pharmaceutics, Pharmacology, Pharmaceutical Chemistry, Pharmacognosy, Pharmacy Practice and Modern Pharmacy, Museum, Machine Room and Computer Lab to support practical and experiential learning.

A Medicinal and Herbal Garden to enhance the hands-on knowledge of crude drugs and plant-based research. The department has modern Smart Classrooms, ICT-enabled teaching tools, LMS support, animations, simulations, and interactive learning methods. The departmental library includes 2250+ books, 1414 titles, 19 print journals, and 229 online journals, supporting academic and research activities in the department itself. A total of 180 academic events, including conferences, seminars, workshops, FDPs, and refresher courses and annual sports have been successfully organized.

Additionally, 50 outreach activities, such as guest lectures and extension programmes, promote industry exposure and community engagement. Faculty and students have received recognitions such as the AGU Gaurav Award and GPAT qualification, demonstrating academic excellence. The department is committed to enhancing research, consultancy, innovation, and overall educational quality in this region.

The Department of Pharmaceutical Sciences continues to strengthen its academic foundation through quality education, research-driven practices, and modern teaching methodologies. It also remains committed to nurturing skilled, ethical, and industry-ready pharmacy professionals who can contribute meaningfully to healthcare and pharmaceutical innovation. With continuous advancements in infrastructure, research output, student-centric activities, and academic events, the institute is steadily progressing toward becoming a leading centre of excellence in pharmaceutical sciences to serve the society, nation and world.

About the Workshop

The two-day DHR-ICMR funded workshop on "Future Healthcare Technologies in AR and VR" is being organized by the Department of Pharmaceutical Sciences & IQAC, Dr. C.V. Raman University, Bilaspur (C.G.), in association with the Chhattisgarh Institute of Medical Sciences (CIMS), Bilaspur (C.G.), on 20th–21st November 2026 at the Auditorium, CIMS, Bilaspur.

Augmented Reality (AR) and Virtual Reality (VR) are emerging technologies with significant potential to transform healthcare education, clinical practice, pharmaceutical sciences, medical training, patient care, rehabilitation, and research. These immersive technologies provide innovative approaches for visualization, simulation, experiential learning, surgical and clinical training, patient engagement, and therapeutic interventions.

The workshop is designed to provide participants with an understanding of the fundamentals, applications, opportunities, and future prospects of AR and VR in healthcare. It will bring together academicians, healthcare professionals, researchers, students, and technology experts to facilitate interdisciplinary learning and knowledge exchange. Through expert lectures, demonstrations, interactive sessions, and practical exposure, participants will gain insights into the integration of immersive technologies with modern healthcare systems.

The workshop will particularly emphasize the potential of AR and VR to enhance medical and pharmaceutical education, clinical decision-making, healthcare training, patient management, rehabilitation, drug development, and research. It will also provide a platform for discussing emerging trends, challenges, ethical considerations, technological requirements, and future directions in the adoption of AR and VR-based healthcare solutions.

About The Department of Health Research

The Department of Health Research (DHR) became functional from November 2008 with the appointment of first Secretary of the Department The aim of the DHR is to bring modern health technologies to the people through research and innovations related to diagnosis, treatment methods and vaccines for prevention, to translate them into products and processes and, in synergy with concerned organizations, introduce these innovations into public health system.

1. Promotion and co-ordination of basic, applied and clinical research including clinical trials and operational research in areas related to medical, health, biomedical and medical profession and education through development of infrastructure, manpower and skills in cutting edge areas and management of related information thereto.
2. Promote and provide guidance on research governance issues, including ethical issues in medical and health research.
3. Inter-sectoral coordination and promotion of public-private partnership in medical, bio-medical and health research related areas.
4. Advanced training in research areas concerning medicine and health including grant of fellowships for such training in India and abroad.
5. International cooperation in medical and health research including work related to international conferences in related areas in India and abroad.
6. Technical support for dealing with epidemics and natural calamities.
7. Investigation of outbreaks due to new and exotic agents and development of tools for prevention.
8. Matters relating to scientific societies and associations, charitable and religious endowments in medicine and health research areas.
9. Coordination between organisations and institutes under the Central and State Governments in areas related to the subjects entrusted to the Department and for the promotion of special studies in medicine and health.

About The Indian Council of Medical Research (ICMR)

As India's apex body of biomedical research, ICMR spearheads innovation through a wide range of initiatives and collaborations. ICMR also contributes to the formulation of evidence-based health policies and programs through its guidelines, regulations and policy inputs.





Objectives of the Workshop

The major objectives of the workshop are:

1. To introduce participants to the fundamentals of Augmented Reality (AR) and Virtual Reality (VR) and their underlying technologies.
2. To familiarize participants with emerging applications of AR and VR in healthcare, particularly in medical education, clinical practice, pharmaceutical sciences, patient care, and research.
3. To demonstrate the potential of immersive technologies in healthcare education and training through interactive and simulation-based learning approaches.
4. To explore applications of AR and VR in pharmaceutical sciences, including drug development, formulation research, visualization, training, and patient-oriented applications.
5. To provide practical and experiential exposure to AR/VR tools, platforms, simulations, and healthcare-related applications.
6. To promote interdisciplinary collaboration among pharmaceutical scientists, medical professionals, academicians, researchers, students, and technology experts.
7. To discuss current challenges and limitations associated with the implementation of AR and VR technologies in healthcare, including technological, ethical, financial, and accessibility considerations.
8. To explore future opportunities and innovations in AR/VR-enabled healthcare and identify potential areas for research and development.
9. To encourage research-oriented thinking and innovation among participants for developing technology-driven solutions to contemporary healthcare challenges.
10. To create awareness about the future role of immersive technologies in transforming healthcare delivery, education, research, and patient outcomes.

Expected Outcome

The workshop is expected to enhance participants' knowledge, awareness, and practical understanding of AR and VR technologies and their applications in healthcare. It will encourage participants to explore innovative, interdisciplinary, and research-oriented approaches for integrating emerging digital technologies into pharmaceutical and medical education, clinical practice, healthcare research, and patient care.

Scan QR Code for Registration



Registration Link: https://forms.gle/DPBzu7bQwfrmgdx86

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(Chancellor, CVRU)

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(Vice Chancellor, CVRU)

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Chief-Guest
Shri Shyam Bihari Jaiswal
Hon'ble Health Minister of Chhattisgarh
Govt of Chhattisgarh



Guest of Honor
Prof. (Dr) Deependra Singh
Professor, UIOP, Pt. RSU, Chairman
Education Regulations Committee,
Pharmacy Council of Indian



Special Guest
Prof. (Dr) Anand Mahaiwar
Vice-Chancellor , ISBM University
Chhura, Gariaband (C.G.)
CC Member Pharmacy Council of Indian



Special Guest
Dr. Ramanesh Murthy
Professor & Dean,
Chhattisgarh Institute of
Medical Sciences (CIMS)
Sardar Vallabh Bhai Patel Hospital
Bilaspur (C.G.)



Special Guest
Dr. Bhanu Pratap Singh
Professor & Dean,
Kumar Sahab Late Dilip Singh Judeo Ji
Government Superspeciality Hospital,
Bilaspur (C.G.)



Special Guest
Dr. Avijit Royzada
M.D medicine
Director, Sai Baba Hospital,
Bilapsur (C.G.)

KEYNOTE SPEAKERS

Prof. (Dr) Abhishek Jagdishchander Arora
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Prof. (Dr) Narendra Kuber Bodhey
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All India Institute of Medical Sciences, Raipur
Raipur, Chhattisgarh, India

Dr. Swayam Prakash Tripathy
M.S. Orthopaedics Fellowship Joint Replacement
Max Hospital Saket Delhi fellowship
Paediatric Orthopaedics CMC Vellore Robotic Joint
Replacement Surgeon Apollo Hospitals, Bilaspur (C.G.)

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