4.4.4 ***Facilities for e-content development such as Media centre, audio visual centre, Lecture Capturing System (LCS), etc.***

Response:

Bareilly International University: Advancing Learning through E-Content Development Facilities

Bareilly International University (BIU) is a forward-thinking institution offering undergraduate (UG) and postgraduate (PG) programs in **Medicine, Dentistry, Pharmaceutical Sciences, and Nursing**. In addition to its academic excellence, BIU is equipped with state-of-the-art e-content development facilities to enhance learning and teaching methodologies in the digital age.

Media Centre

BIU's Media Centre is at the heart of its e-learning infrastructure. This facility is equipped with the latest technology for producing high-quality educational content. Faculty members can create engaging video lectures, multimedia presentations, and other digital resources that support modern pedagogy. This enables students to access learning material anytime, fostering a flexible learning environment that extends beyond the classroom.

Audio-Visual Centre

The Audio-Visual (AV) Centre at BIU plays a crucial role in producing and disseminating interactive learning resources. It is designed to support the creation of visually rich and dynamic content, which enhances students' understanding of complex medical and health-related concepts. The AV Centre is used to record practical demonstrations, simulations, and interactive discussions, offering students an immersive learning experience.

Lecture Capturing System (LCS)

The Lecture Capturing System (LCS) allows the university to record live lectures and make them accessible online. This system benefits both students and faculty by providing a resource that can be revisited for review or self-paced learning. Students who miss lectures or wish to revisit particular topics can easily access recorded sessions, ensuring they stay on track with their studies. Additionally, LCS fosters a blended learning approach, combining traditional teaching with digital content for a more robust educational experience.

Learning Management System (LMS) Integration

All e-content developed at BIU, whether through the Media Centre, AV Centre, or LCS, is integrated into the university's Learning Management System (LMS). This ensures a seamless digital learning experience, where students can access lecture recordings,

multimedia resources, assessments, and discussion forums in one place. The LMS also allows faculty to monitor students' progress and engage with them effectively through online platforms.

Enhancing Medical and Health Sciences Education

With these advanced e-content development facilities, BIU is committed to providing a cutting-edge education for its students. These technologies are particularly valuable for programs like **Medicine, Dentistry, Pharmacy, and Nursing**, where visual learning and practical application are critical. By embracing digital learning tools, BIU ensures that its students are well-prepared to meet the demands of the evolving healthcare industry.

In conclusion, Bareilly International University's investment in e-content development facilities ensures a modern and flexible learning environment, supporting the academic success of students across its medical and health science programs.

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Audio Visual cum Internet & Lecture Coverage Centre

At Rohilkhand Medical College & Hospital, Bareilly

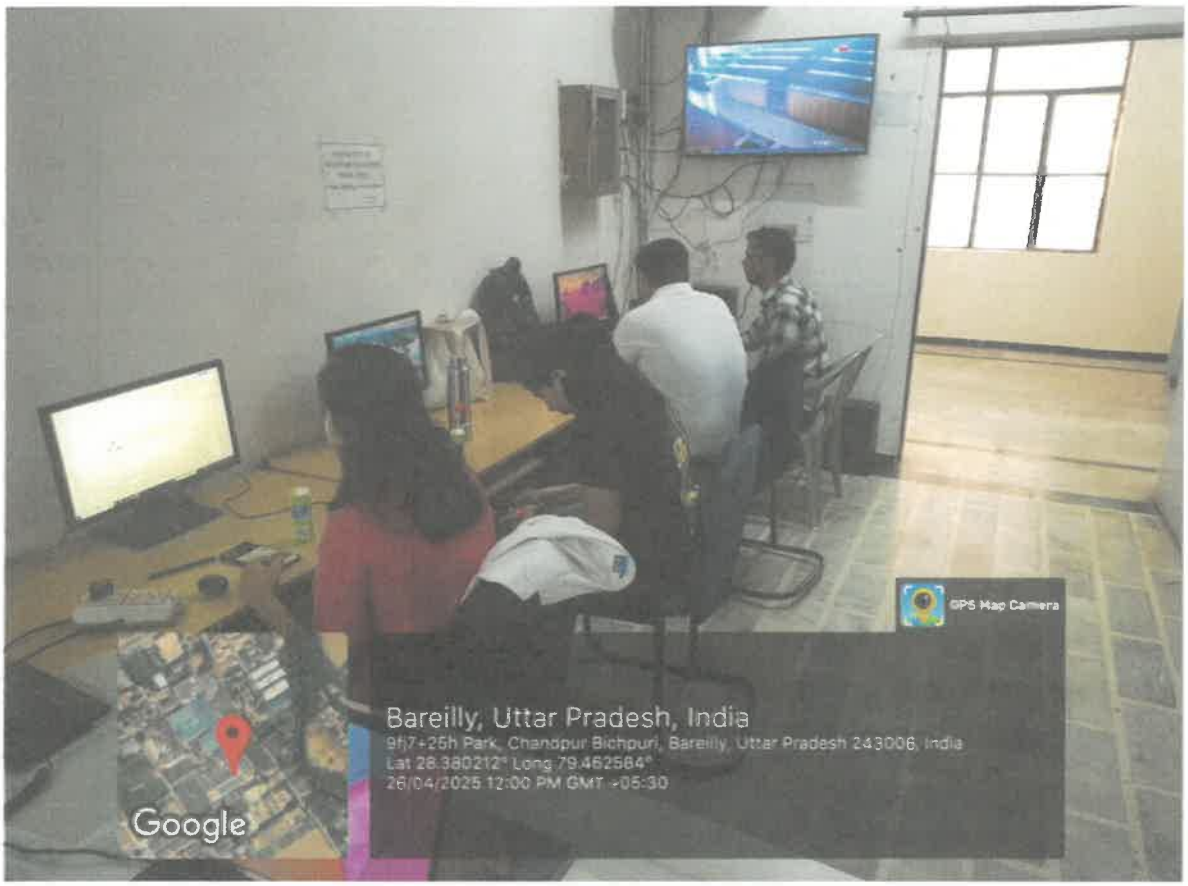


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Facility for Undergraduate (MBBS) and Postgraduate (MD/MS) Students:

Students have access to updated computer systems and high-speed internet facilities, available during working hours, to support their study and research activities.



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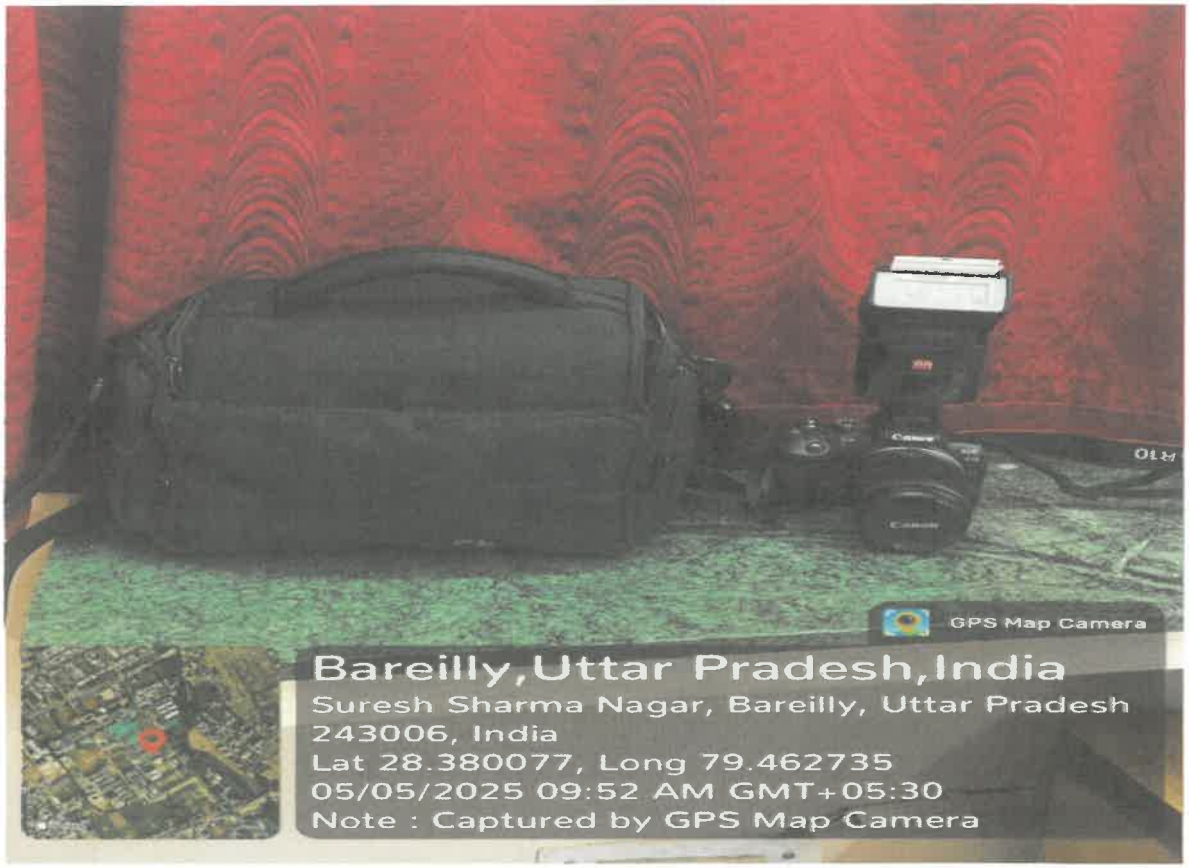
All lectures and clinical teaching sessions for both undergraduate and postgraduate students are continuously monitored through live CCTV coverage from a central control room, ensuring transparency, security, and the highest standards of teaching quality.



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DSLR CAMERA {CANON R-10}



Dean/Principal
RMCH, Bareilly

ROHILKHAND MEDICAL COLLEGE & HOSPITAL
Pilibhit Bypass Road, Bareilly-243006 (U.P.), INDIA
Phone: 0581-2526011, 2526012
Email: info@rmcbareilly.com

Media Lab – Rohilkhand Medical College & Hospital (RMCH)

The Media Lab at Rohilkhand Medical College & Hospital (RMCH) serves as a pivotal academic and administrative facility, offering essential technological support for visual documentation, digital content creation, and institutional communication. With the continuous evolution of medical education and its increasing reliance on multimedia integration, the establishment of a Media Lab is not only timely but also necessary to align with contemporary pedagogical and accreditation needs. This facility is purposefully equipped with essential instruments that meet the practical demands of faculty, students, and staff, enabling the college to effectively document, preserve, and share its academic and outreach activities. The instruments presently available in the Media Lab include a high-resolution DSLR camera, well-configured computers, multifunction printers, and a stable high-speed internet connection. Together, these instruments form the backbone of the lab and allow it to function effectively as a digital communication and content development centre for the institution.

At the heart of the Media Lab's operations lies the DSLR (Digital Single-Lens Reflex) camera. This professional-grade photographic equipment is instrumental in capturing high-quality visuals for a wide array of purposes. The DSLR camera is routinely used to document academic events, workshops, guest lectures, field visits, student activities, and community outreach programs organized by the institution. Its ability to produce clear and detailed photographs and videos makes it ideal for preparing institutional reports, presentations, and promotional material. In addition, the camera is used for the development of academic visual content, such as recording classroom lectures or clinical demonstrations, which are later edited and shared with students for better understanding of medical concepts. The camera's manual settings and interchangeable lenses allow flexibility in capturing different scenarios, whether in indoor seminar halls or during outdoor field visits. This visual content not only enhances institutional archives but also supports educational goals by enabling the development of rich visual teaching aids and audiovisual documentation of procedures or health activities.

Complementing the DSLR camera are the Media Lab's computer systems, which serve as the primary digital workstations for processing, editing, formatting, and storing the recorded data. These computers are configured with sufficient processing power, internal memory (RAM), and storage capacity to handle standard office and multimedia tasks. They are installed with essential software such as Microsoft Office for document preparation, PowerPoint for academic presentations, and basic image or video viewing tools to facilitate initial editing of content captured by the DSLR camera. Faculty members use these systems to prepare teaching materials, design awareness posters, compile workshop reports, and develop PowerPoint presentations for medical seminars and internal lectures. In addition, these computers are used to maintain digital records of student participation, departmental activities, and event photographs. Staff members utilize them for routine academic documentation such as attendance sheets, feedback forms, official notices, and administrative circulars. The computers also serve as digital repositories where all visual data, documents, and reports are securely stored and organized, allowing easy retrieval whenever required. Furthermore, these workstations are regularly used by students and research scholars under supervision to prepare

academic posters, research presentations, and field visit summaries as part of their curricular or co-curricular assignments.

Another integral component of the Media Lab is its set of multifunctional printers, which facilitate the generation of high-quality printed materials essential for academic and administrative work. The lab houses both color and black-and-white printers, each serving specific purposes. The color printer is primarily used for printing materials that require visual impact, such as health awareness posters, seminar charts, certificates, banners, event invitations, and display materials for public health exhibitions. This has been especially beneficial during national health observances and student-led campaigns, where attractive printed materials contribute significantly to public engagement. The black-and-white printer, on the other hand, is widely used for everyday institutional printing tasks such as academic notices, attendance registers, assignment submissions, circulars, guidelines, and documentation related to college inspections and regulatory submissions. The printers also support bulk printing requirements during conferences, workshops, and orientation programs. Their ability to print in various formats and sizes ensures flexibility and speed in producing diverse types of documents. Additionally, the multifunction printers come with scanning and photocopying capabilities, which are useful for digitizing paper-based records, reproducing academic handouts, and maintaining soft copies of essential documents for audit or archive purposes. These printers save time and resources while providing the college with an in-house solution for all its printing and duplication needs.

Supporting the entire ecosystem of digital documentation and communication within the Media Lab is a stable and high-speed internet facility. The internet infrastructure is vital for ensuring seamless connectivity and timely dissemination of digital content produced within the lab. Faculty and staff use the internet to access online academic databases, research journals, and visual repositories, which are essential for enhancing the quality and accuracy of academic content. The internet facility also enables uploading of recorded lectures, event videos, and photographic documentation to the institution's website, learning management system (LMS), or other digital platforms. This connectivity supports the college's efforts in maintaining a digital presence and sharing its achievements with the broader academic community. Furthermore, the internet is used to facilitate communication during webinars, online conferences, and virtual faculty development programs. It also aids in email correspondence, downloading policy documents, submitting reports to regulatory bodies, and accessing cloud storage for backup and retrieval of data. For students, the internet supports academic research, content submission, and collaboration with faculty members on presentations and outreach campaigns. The availability of uninterrupted, secured, and fast internet access ensures that the lab remains connected to institutional servers, national academic portals, and other online resources vital for modern-day medical education.

Together, these instruments—the DSLR camera, computers, printers, and internet facility—create a cohesive and fully functional Media Lab that caters to the essential communication and documentation needs of RMCH. They enable the college to maintain accurate and attractive records of its academic activities, produce learning materials, and promote its academic ethos through quality content. The Media Lab also supports internal quality assurance by helping prepare visual documentation for regulatory and accreditation bodies such as the National Medical Commission (NMC), National Assessment and Accreditation Council

(NAAC), and other statutory authorities. The outputs generated through this lab are regularly included in institutional publications, newsletters, brochures, annual reports, and digital communications that represent the college's growth, engagement, and academic excellence. By maintaining a practical and focused inventory of well-utilized instruments, the Media Lab reinforces RMCH's commitment to quality education, transparent documentation, and effective communication.

In conclusion, the Media Lab at Rohilkhand Medical College & Hospital functions as a streamlined, purpose-driven space that, through its presently available resources, successfully supports the institution's documentation, educational, and outreach efforts. Each of the instruments—whether the DSLR camera for capturing critical visuals, the computers for processing and organizing data, the printers for delivering tangible educational material, or the internet facility for connecting the institution to the global academic network—plays a distinctive and interconnected role. This integrated approach ensures that the lab remains an essential part of the college's academic and administrative ecosystem, driving innovation in communication and supporting the continuous documentation of RMCH's vibrant academic life.

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Sr. No.	Title of the Video	Department	Faculty
1	General Examination	Dermatology	Dr. Praveen k. Rathore
2	General Examination	Dermatology	Dr. Praveen k. Rathore
3	Gram Staining	Microbiology	Dr. Saumya
4	Examination	ENT	Dr.Abhinav
5	X ray identification	Anasthesia	Dr. Jyoti Pathania
6	Blood group preparation	Pathology	Dr. Sagar
7	Examination	Dermatology	Dr. Praveen k. Rathore
8	Drug route and identification	Pharmacology	Dr. Iram Shaifali
9	Eight nerve Examination	ENT	Dr. Abhinav
10	Abdominal Examination	OBS AND GYNAE	Dr. Kanchan
11	Examination	OBS AND GYNAE	Dr. Kanchan
12	Bone determination and details	Ortho	Dr. Anant Agarwal
13	CNS Examination	Pediatrics	Dr. Preeti Lata Rai
14	Respiratory Examination	Respiratory	Dr. Rajat kumar Agarwal

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Sr. No.	Title of the Video	Department	Faculty
1	Urine Examination	Pathology	Dr. Nitesh Mohan
2	Spotting	Pathology	Dr. Mithla Bisht
3	Blood Staining	Microbiology	Dr. Ved Prakash Sharma
4	Blood Groping	Pathology	Dr. Sagar
5	Peripheral Smear Examination	Physiology	Dr. Ankit
6	Drug dose estimation	Pharmacology	Dr. Mandav
7	Bone identification and description	FMT	Dr. Agnivesh
8	Urine Examination	Biochemistry	Dr. Sumeru
9	Urine Examination	Biochemistry	Dr. Akanusha
10	Route of drug administration	Pharmacology	Dr. Maudhar
11	spotting	Microbiology	Dr. Saranya
12	Zeihl New born staining	Microbiology	Dr. Saumya
13	HB Estimation gross specimen examination	Pathology	Dr. Anjana
14	Urine Examination	Pathology	Dr. Sagar
15	Spotting	Pathology	Dr. Mithla
16	Spotting	Pathology	Dr. Divya
17	Specimen Identification descript	Anatomy	Dr. Sarangdhar
18	Blood Group	Pathology	Dr. Sagar
19	Specimen identification description	Anatomy	Dr. Sarangdhar
20	Urine Examination	Pathology	Dr. Mithila Bisht
21	Tuning fork test	ENT	Dr. Shraddha
22	Abdomen Examination	General Medicine	Dr. Rohit Patla
23	Leop old Maneuver	OBST & Gyane	Dr. Tripti
24	Instrument Identification description	OBST & Gyane	Dr. Kanchan Dalamia
25	Papillary reflex Examination	Ophthalmology	Dr. Ritu Jain
26	Distant Vision Charting	Ophthalmology	Dr. Ashutosh
27	Abdominal Examination	Pediatrics	Dr. Arif Husain
28	General Examination	Pediatrics	Dr. Preeti Lata Rai
29	Abdominal Examination	General Surgery	Dr. Sharad Seth
30	Abdominal Examination	General Surgery	Dr. Sharad Seth
31	Abdominal Examination	General Surgery	Dr. Sharad Seth
32	Lower Comb Examination	Orthopedic	Dr. Javed
33	General Examination	General Medicine	Dr. Seema Seth
34	X- Ray Identification	ENT	Dr. Abhinav Shrivastava
35	Ear Examination	ENT	Dr. Shraddha Chandra
36	Ear Examination	ENT	Dr. Abhinav Shraddha
37	History Taking	General Medicine	Dr. Natasha