



Student Centric methods for enhancing learning

1. Experiential Learning



- Pre-clinical work for hands-on experience.





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2. Integrated / Interdisciplinary learning.



- 35 Interdisciplinary courses extend between different programs of the University.
- ✓ Tumor boards (weekly)- with Surgical Oncology,
- ✓ Radiation Oncology, Medical Oncology, Pathology and other specialties.
- ✓ Endocrine- Pathology sessions
- ✓ Endocrine- Radiology discussions
- ✓ Integrated teaching in Pre/Para/Clinical Departments

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3. Participatory Learning

- Students get opportunity to participate in debates, seminars, and various other university level activities. Activities like group discussions, role-plays, and seminars.



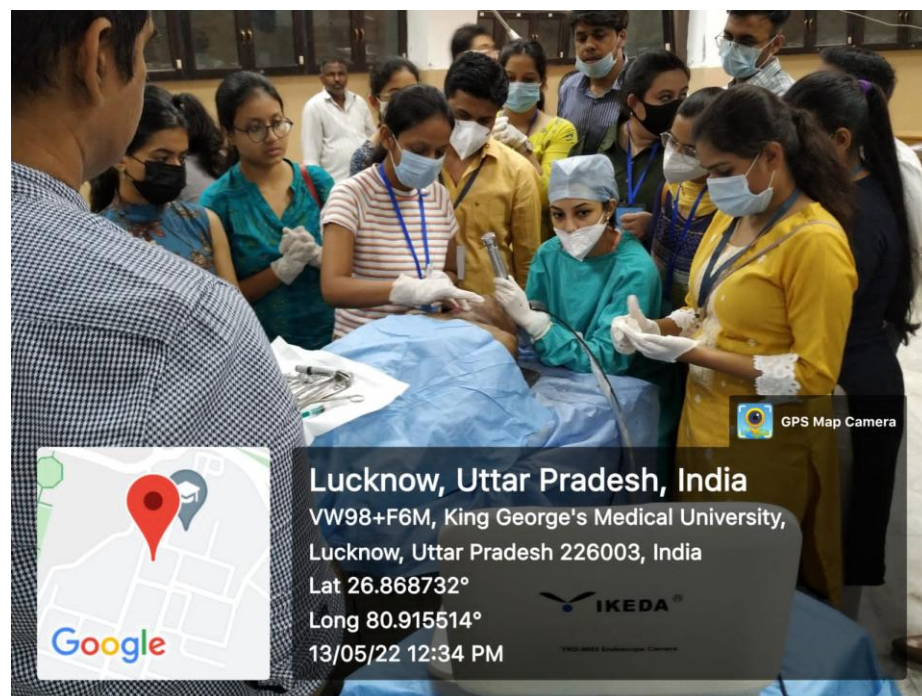
-Students participating in Debate competition.

Archi
Registrar
King George Medical University
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4. Problem-Solving methodologies



-Clinical case presentations and bedside teachings.

Email: vc@kgmcindia.edu

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Registrar
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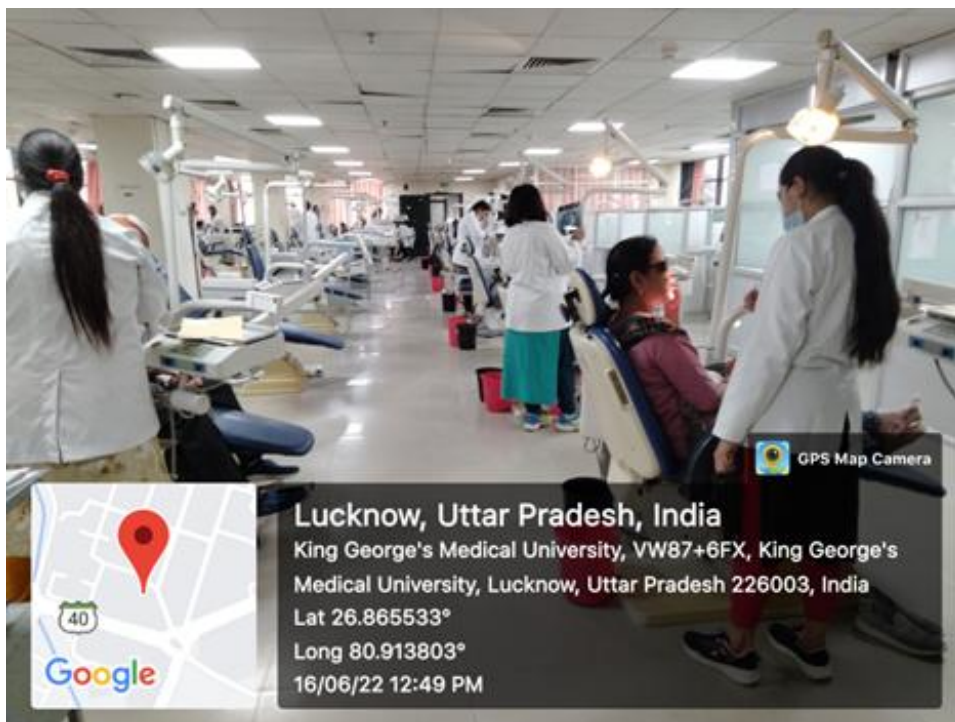
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5. Self-Directed Learning



Utilization of online and offline resources (e.g., KGMU library).

6. Patient centric training and evidence- based learning



- Exposure to OPD, inpatient wards, and specialty clinics.

Email: vc@kgmcindia.edu

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Registrar
King George Medical University
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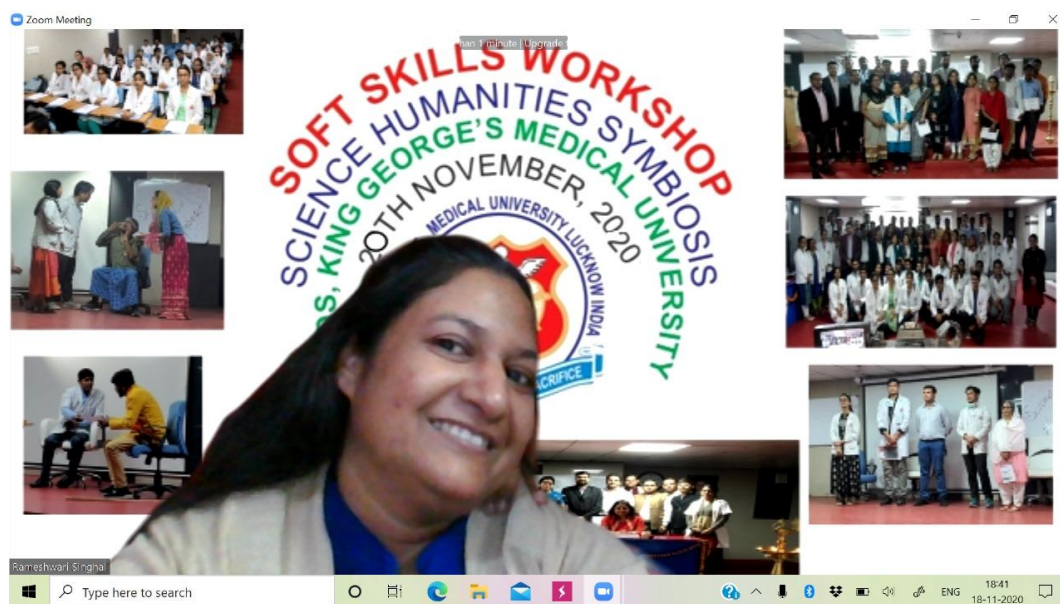


7. Humanities

Participation in literary activities, ethical debates, and social outreach programs allows students to cultivate empathy, communication skills, and a deeper understanding of the societal context of medicine.



Student taking history and understanding empathy and communication skills.



Students attending soft skills workshop.

Email: vc@kgmcindia.edu

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Registrar
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8. Project-Based Learning



MBBS students showcasing their projects.

9. Role play



Role-play scenarios for ethical and compassionate care

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Registrar
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Audio Visual Aid

Program and Batch Year: Cadaveric Skilled Lab Telecast in Dissection Hall, MBBS 2023

- **Short Description:** Faculty demonstrate soft parts in the cadaveric skilled lab, which is telecasted to the dissection hall equipped with 8 LED screens. This setup allows 250 students, divided into 8 groups, to simultaneously view the demonstration.
- **Subject:** Anatomy



Name of Room	Name of the AV aid installed (Number)
AV ROOM	SONY XGA PROJECTOR, MAONO MICROPHONE, ZEBRONICS WIRELESS MICROPHONE.

Email: vc@kgmcindia.edu

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AETCOM-Role Play

Program and Batch Year: MBBS 2023

- **Short Description:** Students were divided into groups of 32 and assigned AETCOM topics to enact. This method ensured full participation and helped students learn to handle real-life scenarios faced by doctors daily.
- **Subject:** Biochemistry



SVL Activity

Program and Batch Year: MBBS 2023

- **Short Description:** Techniques like ELISA, RT-PCR, and RIA were presented using animated videos. Post-session assessments were conducted via MCQs.
- **Subject:** Biochemistry
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Poster Presentation

Program and Batch Year: MBBS 2023

- **Short Description:** Students, in groups of 5, were assigned curriculum topics to depict through posters and present their understanding. Evaluation was based on predefined criteria, improving both knowledge and communication skills.
- **Subject:** Biochemistry



Research Activity

Program and Batch Year: MBBS 2023

- **Short Description:** Students were introduced to research concepts, study types, plagiarism, and writing papers. Formative assessments were conducted using MCQs.
- **Subject:** Biochemistry

IO Access

Program and Batch Year: UG 2023

- **Short Description:** Basic clinical skill training models were introduced for hands-on practice.
- **Subject:** Emergency Medicine

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Simulation-Based Learning

Program and Batch Year: Simulation-Based Learning

- **Short Description:** Advanced patient simulators were used for clinical skill training.
- **Subject:** Emergency Medicine



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Simulation based training in Simulation Lab



Bedside POCUS

Program and Batch Year: Bedside POCUS

- **Short Description:** Structured programs for training and assessment of students in point-of-care ultrasound techniques.
- **Subject:** Emergency Medicine



Age Estimation

Program and Batch Year: Clinical Skill Lab Age Estimation Clinic - Anthropology Lab

- **Short Description:** Students were trained in clinical skills related to age estimation in a specialized lab setup.
- **Subject:** Forensic Medicine

Email: vc@kgmcindia.edu

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Registrar
King George Medical University
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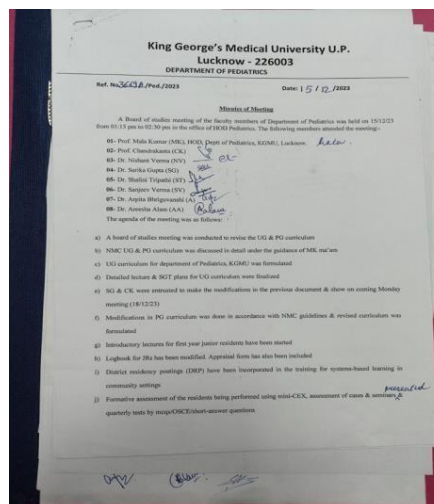
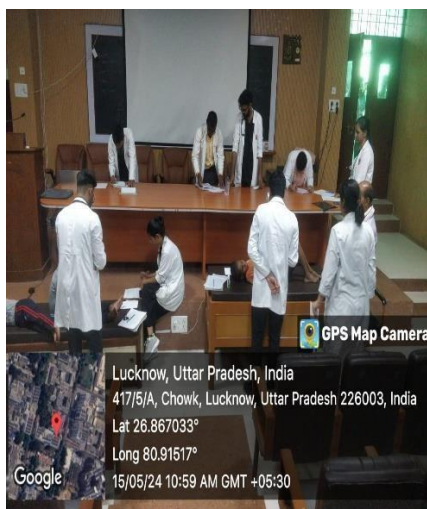
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OSCE Method

Program and Batch Year: OSCE Teaching and Evaluation 2023

- **Short Description:** Objective Structured Clinical Examination (OSCE) was introduced as a teaching and evaluation method.
- **Subject:** Pediatrics



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Registrar
King George Medical University
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Mini CEX

Program and Batch Year: PG Students, Obstetrics & Gynaecology

- **Short Description:** Mini Clinical Evaluation Exercises (Mini CEX) were conducted as per protocol. Students underwent four encounters in various settings, followed by feedback sessions to discuss strengths, weaknesses, and improvement plans.
- **Subject:** Pediatrics

Mini-Clinical Evaluation Exercise (CEX)									
Evaluator: _____ Date: _____					Resident: _____ O R-1 O R-2 O R-3				
Patient Problem/Ch: _____									
Setting: ☐ Ambulatory ☐ In-patient ☐ ED ☐ Other _____									
Patient: Age: _____ Sex: _____ ☐ New ☐ Follow-up									
Complexity: ☐ Low ☐ Moderate ☐ High									
Focus: ☐ Data Gathering ☐ Diagnosis ☐ Therapy ☐ Counseling									
1. Medical Interview Skills (0 Not Observed)									
1	2	3	4	5	6	7	8	9	
UNSATISFACTORY					SATISFACTORY		SUPERIOR		
2. Physical Examination Skills (0 Not Observed)									
1	2	3	4	5	6	7	8	9	
UNSATISFACTORY					SATISFACTORY		SUPERIOR		
3. Humanistic Qualities/Professionalism (0 Not Observed)									
1	2	3	4	5	6	7	8	9	
UNSATISFACTORY					SATISFACTORY		SUPERIOR		
4. Clinical Judgment (0 Not Observed)									
1	2	3	4	5	6	7	8	9	
UNSATISFACTORY					SATISFACTORY		SUPERIOR		
5. Counseling Skills (0 Not Observed)									
1	2	3	4	5	6	7	8	9	
UNSATISFACTORY					SATISFACTORY		SUPERIOR		
Organization/Efficiency (0 Not Observed)									
1	2	3	4	5	6	7	8	9	
UNSATISFACTORY					SATISFACTORY		SUPERIOR		
7. Overall Clinical Competence (0 Not Observed)									
1	2	3	4	5	6	7	8	9	
UNSATISFACTORY					SATISFACTORY		SUPERIOR		
Mini-CEX Time: Observing _____ Mins Providing Feedback _____ Mins									
Evaluator Satisfaction with Mini-CEX									
LOW	1	2	3	4	5	6	7	8	HIGH
Resident Satisfaction with Mini-CEX									
LOW	1	2	3	4	5	6	7	8	HIGH
Comments: _____									
Resident Signature: _____ Evaluator Signature: _____									
DESCRIPTORS OF COMPETENCIES DEMONSTRATED DURING THE MINI-CEX									
Medical Interviewing Skills: Facilitates patient's telling of story; effectively uses questions/directions to obtain accurate, adequate information needed; responds appropriately to affect, non-verbal cues. Physical Examination Skills: Follows efficient, logical sequence; balances screening/diagnostic steps for problem; informs patient; sensitive to patient's comfort, modesty. Humanistic Qualities/Professionalism: Shows respect, compassion, empathy; establishes trust; attends to patient's needs of comfort, modesty, confidentiality, information. Clinical Judgment: Selectively orders/performs appropriate diagnostic studies; considers risks, benefits. Counseling Skills: Explains rationale for test/treatment; obtains patient's consent; educates/counsels regarding management. Organization/Efficiency: Prioritizes; is timely; succinct. Overall Clinical Competence: Demonstrates judgment, synthesis, caring, effectiveness, and efficiency. Note 1: Reprinted with permission from the American Board of Internal Medicine, www.abim.org Note 2: Discussed in: Norcini JJ, Blank LL, Arnold GK, Kimball HR. The mini-CEX (Clinical Evaluation Exercise): a preliminary investigation. Ann Intern Med 1995;123:795-9.									

Surgical Skill Lab

Program and Batch Year: 2022

- **Short Description:** Skills like corneal suturing and tunnel making were taught.
- **Subject:** Ophthalmology

Workshops & Seminars

Program and Batch Year: MS 2023 & 2024

- **Short Description:** Small group teaching methods were used for interactive learning.
- **Subject:** Orthopedics

Aradhana
Registrar
King George Medical University
Lucknow



Mock Tests

Program and Batch Year: MS 2023 & 2024

- **Short Description:** Formative assessments were conducted every six months to evaluate progress.
- **Subject:** Orthopedics

Slide Discussions

Program and Batch Year: 2022

- **Short Description:** Pathology slide discussions were held for PG students to enhance diagnostic skills.
- **Subject:** Pathology

Lecture Theatre



Digital Dentistry Course

Program and Batch Year: BDS 2020 and BDS 2021

- **Short Description:** A 16-hour course introduced third and final-year BDS students to digital dentistry, incorporating offline sessions and self-directed online learning materials. Assessments and feedback were collected post-course.

Email: vc@kgmcindia.edu

Aruna
Registrar
King George Medical University
Lucknow

- **Subject:** Prosthodontics, Crown, and Bridge



Student-Centric Methods for Enhancing Learning

Additional Enhancements

1. **Conferences and Seminars:** Participation in multidisciplinary forums.
2. **Case Discussions:** Weekly problem-oriented discussions to enhance diagnostic and decision-making skills.
3. **Skill Training:** Micro suturing, cadaveric dissections, and hands-on workshops.
4. **Research and Presentation:** Journal clubs, thesis progression, and paper presentations.
5. **Laboratory Work:** Instrumentation, specimen collection, and ancillary procedures.

Aradhana
Registrar
King George Medical University
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