MED e NEWS

Aiming to improve the quality of Medical Education

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- THE MAGIC OF GAMIFICATION IN EVERYDAY LIFE
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Featured Interviews

An initiative by the medical education department to get an insight of the views and works of medical educationists

Dr. Sumera Badar Ehsan

MBBS, MHPE, MSc, Mphil, Doctorate
Director
Medical Education
Pakistan Medical & Dental Council (PM&DC)

Dr. Sumera Badar Ehsan has been fortunate to seize opportunities for contributing to the design of certificate courses at UHS, collaborating with foreign faculty in 2011, where she served as the inaugural local facilitator. As the pioneer graduate of the MHPE program at UHS, she played a pivotal role alongside her seniors in establishing a Medical Education Department at a public sector college in Punjab in 2011, marking a significant milestone as the sole college with a fully functional medical education department at the time. Introducing Team-Based Learning in 2013, she spearheaded initiatives in both faculty and student capacity building. Additionally, she was instrumental in the development and design of CHPE at FMU, overseeing the research and publication endeavors of undergraduate students under her guidance. Dr. Sumera Badar Ehsan has shared her expertise as a visiting faculty member for CHPE and MHPE programs at UHS, UOL, KMU, and JSMU. Currently, she holds the esteemed position of Director of Medical Education at the Pakistan Medical & Dental Council (PM&DC).

ACTIVITY NEWS

Department of Medical Education conducted a workshop on '**Medical Education Orientation (Learning Outcomes, Taxonomy & Objective Writing)'** on **2nd Jan, 2024**. **Dr. Khalid Mahmood Cheema** facilitated the session. The objectives of the workshop were to:

- Describe adult learning principles
- Discuss Bloom's taxonomy
- Design learning objectives
- Relate Learning Objectives with Instructional design

**Workshop:
Medical Education
Orientation
Learning Outcomes,
Taxonomy &
Objective Writing**

Workshop: "DYNAMIC PEDAGOGY: Large & Small Group Teaching Strategies"

Department of Medical Education arranged a workshop on "DYNAMIC PEDAGOGY: Large & Small Group Teaching Strategies" **on 16th January, 2024,** at SMDC.

Dr. Muhammad Suleman Sadiq Hashmi facilitated the workshop.

Dr. Suleman generated some very interesting discussions. The objectives of the workshop were to:

- Discuss Large Group Teaching Strategies to consider when teaching to large group
- Explain how to apply Gagne's Nine Events of Instruction to develop a large group teaching session
- Know the potential benefits of large group teaching
- Discuss the types and aims of small group teaching with reference to their teaching context
- Discuss some of the strengths and difficulties of small group teaching
- Ensure proper group dynamics during small group teaching sessions

Workshop: "Mastering PBL Facilitation Skills"

Department of Medical Education arranged a workshop on "Mastering PBL Facilitation Skills" **on 25th January 2024,** at SMDC.

Dr. Muhammad Suleman Sadiq Hashmi facilitated the workshop. The objectives of the workshop were to:

- Discuss Large Group Teaching Strategies to consider when teaching to large group
- Explain how to apply Gagne's Nine Events of Instruction to develop a large group teaching session
- Know the potential benefits of large group teaching
- Discuss the types and aims of small group teaching with reference to their teaching context
- Discuss some of the strengths and difficulties of small group teaching
- Ensure proper group dynamics during small group teaching sessions

Workshop: "The Art and Science of MCQ Writing and Item Analysis"

Department of Medical Education arranged a workshop on "T**he Art and Science of MCQ Writing and Item Analysis**" on **2nd February 2024,** at SMDC.

Dr. Khalid Mahmood Cheema facilitated the workshop. The objectives of the workshop were to:

- Describe Characteristics of Good Examination
- Develop One best type of MCQ
- Identify pitfalls in the construction of MCQs
- Post-hoc analysis
    - Test Reliability
    - Difficulty Index
    - Discrimination Index
    - Distractor Analysis

Workshop: "Assessment Alchemy: Crafting SEQs and OSPE & OSCE stations"

Department of Medical Education arranged a workshop on "**Assessment Alchemy: Crafting SEQs and OSPE & OSCE stations"** on **13th February 2024,** at SMDC.

Dr. Khalid Mahmood Cheema facilitated the workshop. The objectives of the workshop were to:

- Discuss the advantages and limitations of Short Essay Questions (SEQs)
- Develop Short Essay Questions (SEQs)
- Identify the role of Objective Structured Clinical Examination
- (OSCE)/Objective Structured Practical Examinations (OSPE) in the overall assessment plan
- Develop and Review OSCE/OSPE stations

Workshop: "Unlocking Lesson Planning: Crafting Effective Learning Pathways"

Department of Medical Education arranged a workshop on **'Unlocking Lesson Planning: Crafting Effective Learning Pathways"** on **22nd February 2024,** at SMDC.

Dr. Muhammad Suleman Sadiq Hashmi facilitated the workshop. The objectives of the workshop were to:

- Discuss the importance of lesson planning.
- Explain the different models for lesson planning
- Explain how to apply Gagne's Nine Events of Instruction to develop a lesson plan
- Discuss the pros and cons of Lesson planning
- Develop and review the lesson plan

Workshop: "Understanding of Emotions & Emotional Regulation"

Department of Medical Education arranged a workshop on **'Understanding of Emotions & Emotional Regulation"** on **29th February 2024,** at SMDC.

Ms. Sadia Rehman (Clinical Psychologist) facilitated the workshop. The objectives of the workshop were to:

- Understanding about the emotions and types of emotions
- Reframe our perspective of people and situations in order to operate and adapt in healthy manner
- Develop insights into how emotions shape our behavior and how we can use this to inspire high performance in our teaching methods
- Learn strategies to regulate emotions in healthy way

Workshop: "TOS and Blueprinting: Crafting Precise Assessments"

Department of Medical Education arranged a workshop on "**TOS and Blueprinting: Crafting Precise Assessments**" on **7th March 2024,** at SMDC.

Dr. Khalid Mahmood Cheema facilitated the workshop. The objectives of the workshop were to:

- Construct the table of specification
- Critique table of specification

Interview with Dr. Sumera Badar Ehsan

1. Qualification and degree awarding institute.

- MBBS from Punjab Medical College, Faisalabad
- MHPE from UHS
- M.Phil in Community Medicine from IPH, Lahore
- Doctorate degree from Ambrosiana University, Italy.

2. What made you pursue a degree in Medical Education?

It's an interesting event, when I attended a series of workshop on curriculum, PBL and Research, I found the answers of all the queries which I had in my student life. Then I decided that it is the field I should opt as a career to do my part and in January 2010 I was in Aga Khan University attending my first course in Medical Education. In 2011, I was one of the members who were designing first certificate course in UHS along with foreign faculty and since then I am on this life long journey.

3. What are your career aspirations as a Medical Educationist?

Alhamdulillah I have achieved many milestones and have contributed my share in this field since 2011-12, and serving in public sector it was a challenging task. I feel contented to witness this journey of resistance, acceptance and sensitization. Now it's the time of implementation. So it's a unique experience of being among pioneers in Punjab and things are moving in right directions. I am hopeful that we will achieve more in future and I am always ready to put my share.

4. One aspect you want to improve in Medical Education.

One thing that has always made me bit uncomfortable, people (even some high official) still think that medical education is all about conducting workshops. Being a full time medical educationist, I feel, this mindset of "workshops" need to be addressed properly. This can only be achieved by communicating the scope of this field to the high officials and making people know that conducting workshops/training is just a little segment of the whole BIG Thing.

Dr. Sumera Badar Ehsan

5. What you think are the major issues that we are facing in medical education at present?

One major issue is the lack of skills training, both in under graduate and post graduate. We have to think seriously about this sensitive issue and then we may work on outcome based education. That will eventually lead to the better skillful graduates.

6. What are your significant contributions to Medical Education?

I was very fortunate to find the opportunities to contribute in the certificate course designing in UHS along with Foreign Faculty in 2011 and I was the first local facilitator of that course. I was the pioneer graduate of MHPE program at UHS and was lucky enough to work with my senior in establishing a Medical Education Department in a Public sector college in Punjab since 2011 (that was the only college where a full time medical education department was functional). We have started Team-Based Learning there in 2013 and did a lot in faculty and student capacity building. Finally developed and designed CHPE in FMU and supervised my undergraduate students in their research and publication. I have served as a visiting faculty of CHPE, MHPE at UHS, UOL, KMU and JSMU. Currently I am serving as a Director Medical Education at Pakistan Medical & Dental Council (PM&DC).

7. What is your area of concentration in Medical Education?

Keeping my local context in mind, my major areas are youth empowerment, Skill Assessment, Inter-Professional Education and Total Quality in Medical Education.

Unveiling the Power of Play: The Magic of Gamification in Everyday Life

Imagine turning your daily tasks into a fun and engaging game where every challenge conquered earns you points, rewards, and levels up your skills. This is the essence of gamification, a revolutionary approach that brings the excitement and engagement of gaming into the real world, making learning, working, and even personal development more enjoyable and effective.

Gamification is not about creating new games but about integrating game-like elements into non-game environments. It leverages the universal appeal of playing games—be it the thrill of competition, the joy of achievement, or the curiosity of exploring new challenges—to motivate and enhance participation in various contexts, from education and training to marketing and workplace productivity.

At the heart of gamification is the recognition that we all have an innate desire to play, compete, and achieve. By tapping into this desire, gamification transforms mundane tasks into engaging activities. It's not just about adding points or badges to actions but about creating meaningful experiences that resonate with our natural inclinations toward autonomy, competence, and relatedness.

By: Prof. Dr. Sarah Khalid

The Science Behind the Fun: Theoretical Insights

Gamification stands on the shoulders of several psychological and educational theories, each contributing insights on how to make these experiences not only more engaging but also more enriching:

- Self-Determination Theory: Highlights the importance of catering to our needs for autonomy, competence, and relatedness, driving intrinsic motivation and engagement.
- Flow Theory: Offers insights into creating tasks that engross us completely, balancing challenge and skill to achieve a state of focused immersion.
- Experiential Learning Theory: Suggests learning as an active, reflective process, emphasizing the role of experiences in acquiring knowledge and skills.
- Cognitive Load Theory: Focuses on optimizing learning by balancing the types of cognitive load—ensuring that we are neither overwhelmed nor under-stimulated.
- ARCS Model of Motivational Design: Aims to captivate attention, ensure relevance, build confidence, and provide satisfaction in learning environments.
- Discovery Learning Theory and Inquiry-Based Learning: Advocate for active exploration and problem-solving, encouraging learners to discover information through inquiry and experimentation.

Continue..

Crafting Engaging Experiences: Elemental Tetrad

A key framework in gamification is the Elemental Tetrad, which looks at games through four aspects: aesthetics, technology, mechanics, and story. This holistic approach ensures that gamified experiences are not only technically sound and visually appealing but also meaningful and engaging to the participant. By balancing these elements, educators and designers can create experiences that resonate with a wide audience, catering to various learning styles and preferences as suggested by Howard Gardner's Theory of Multiple Intelligences.

A World of Playful Possibilities

Gamification is more than a buzzword; it's a transformative approach that reimagines how we engage with the world around us. By applying the principles of gaming to non-game contexts, we can make learning more enjoyable, work more motivating, and personal development more rewarding. As we continue to explore and expand the applications of gamification, we unlock new potentials for enhancing education, productivity, and even personal growth. In a world where the lines between play and progress blur, gamification stands as a testament to the enduring power of play in our lives.

AI in Research

https://elicit.com/

Elicit streamlines your literature review by aiding in finding, screening, and analyzing research articles. You can conduct targeted searches and upload PDFs to your Elicit library. Custom columns help assess if papers meet your criteria. Elicit extracts info or lets you define questions. Prioritize inclusion during screening to avoid missing relevant studies. High-accuracy mode is recommended for reliable data extraction.

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ResearchRabbit is a research tool that curates personalized recommendations for research papers and allows users to collaborate on collections.

Spotify for Papers

Just like in Spotify, you can add papers to collections. ResearchRabbit learns what you love and improves its recommendations!

Interactive Visualizations

Visualize networks of papers and co-authorships. Use graphs as new "jumping off points" to dive even deeper!

https://www.chatpdf.com/

ChatPDF is an AI tool that works like ChatGPT but specifically for PDFs. It helps students, researchers, and professionals by summarizing documents, answering questions directly from the PDF, and allowing for easy searching within complex documents. You can even organize PDFs in folders and chat with multiple documents at once for a more thorough understanding.

FACULTY DEVELOPMENT PLAN

'Tentative Upcoming Workshops'

Serial No.	TITLE	DATE (tentative)
1	**PowerPoint & Presentation Skills**	**May 2024**
2	**Standard Setting in Assessment**	**May 2024**
3	**Communication in Healthcare Setting**	**June 2024**
4	**Personal Development Plan**	**June 2024**

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