

APAN story  :

Medical Education @ Burdwan Medical College

Burdwan Medical College

West Bengal, India



Collaborative teaching-learning and research practices in Medical Education using the APAN platform

The APAN platform has helped us to continue our collaborative teaching-learning practices and research in the field of medical education. The integration of online platforms in medical education has revolutionized collaborative teaching, learning, and research practices. The

APAN platform helped us to explore the multifaceted impact of digital technologies on medical education, emphasizing the synergy between educators, students, and researchers. Online platforms facilitate the creation of dynamic, interactive learning environments that transcend geographical barriers, enabling real-time collaboration and resource sharing. These platforms support various pedagogical approaches, including synchronous and asynchronous learning, virtual simulations, and problem-based learning scenarios. Furthermore, the use of online tools enhances research collaboration by providing access to vast databases, fostering interdisciplinary projects, and enabling seamless communication among researchers worldwide. The adaptability of online platforms allows for personalized learning experiences, catering to diverse learner needs and promoting self-directed learning. Additionally, the integration of data analytics within these platforms provides valuable insights into learner performance, informing evidence-based teaching strategies and curriculum development.

We conducted sessions on Medical education using the APAN platform since APAN 54 with different themes in collaboration with institutions across India, Sri Lanka, and Saudi Arabia. The technical support was always provided by Kyushu University Hospital, 3-1-1 Maidashi, Higashi-ku, Fukuoka, 812-8582 Japan. Here are some examples of sessions we have conducted:

APAN 54: A brief overview of our session:

Burdwan Medical College Medical Education Unit in collaboration with Japan organized a session on Medical Education in APAN 54 held in China (Jinan) and presented six papers on Medical Education on 23/08/2022.

Presenters and presentations:

1. Prof. Dr. Kaustav Nayek, Principal Burdwan Medical College: Study to assess the impact of faculty training as an essential component for successful implementation of competency-based medical education.
2. Prof. Dr. Arunima Chaudhuri, Professor Department of Physiology: Flipped classroom teaching as a tool to enhance self-directed learning among first MBBS students of a Medical College in West Bengal.
3. Dr. Kaushik Mitra: Associate Professor Department of Community Medicine: A study to evaluate the Leadership skills, Personality types, Leadership styles, and mental health status of First Phase MBBS students of a Peripheral Medical College in West Bengal

4. Dr. Ritam Ray Associate Professor Department of Otolaryngology: Impact of a new teaching-learning module introduced to enhance the learning of ethical principles among First Phase MBBS students.
5. Dr. Sudipto Konar, Associate Professor Department of Anatomy: Introducing Flipped Classroom teaching as a tool to teach Basic life-support among First-Phase MBBS students in a Medical College of West Bengal
6. DR. Shouvik Das: Resident Department of Physiology: A study to Evaluate the Impact of COVID-19 on the Mental Health of Medical Students.

APAN 55: A brief overview of our session

Medical students and doctors need to be lifelong learners. We have tried to implement a few teaching-learning strategies with the help of technology in our Institution to make learning enjoyable and motivate young learners to learn. In this session, we tried to demonstrate how to make students learn in small groups and effective management of two hundred students by a single faculty member in a workshop.

Presenters and presentations:

1. Professor Dr. Arunima Chaudhuri (Professor Department of Physiology Burdwan Medical College): Group Dynamics: Faculty training- Playing a fishbowl game using the ZOOM platform.
2. Professor Dr. Kaustav Nayek (Principal Burdwan Medical College): Technology-assisted workshop for enhancing leadership skills of First Phase MBBS students.
3. Professor Dr. Sumanta Ghosh Maulik (Professor and Head Department of Anaesthesiology Burdwan Medical College): Study to expand the scope of SPIKES protocol as a communication tool for junior doctors in the critical care unit.

4. Dr. Kaushik Mitra (Associate Professor Department of Community Medicine, Burdwan Medical College): Technology-assisted Workshop on stress management for first-phase MBBS students.
5. Dr. Parthasarathy Sinha (Resident Department of Physiology, Burdwan Medical College): A study to compare the performance of students following self-directed learning sessions conducted without online support and self-directed learning sessions conducted with the help of online support in the Department of Physiology.
6. Dr. Pshhpa Kulanatha, (Senior Lecturer University of Colombo, Sri Lanka): A pedagogical review of epistemological reflection in metacognition of medical education.

APAN 56- A brief overview of our session:

The theme of our session- Collaborative teaching learning and research practices are of immense importance for the development of medical students as well as faculty members. In this session, we presented seven papers done in collaboration with different institutions across India.

Presenters and presentations:

1. Professor Dr. Suhrita Paul (Honourable Vice Chancellor of West Bengal University of Health Sciences): Collaborative research for digitalization in the Health care system
2. Professor Dr. Arunima Chaudhuri (Professor Department of Physiology Burdwan Medical College): Self-directed learning in medical education- Essential role of Indian Medical graduate.
3. Professor Dr. Aarti Rohilla (Professor Department of Anatomy, PT.B. D. SHARMA PGIMS Rohtak, Haryana): Students' perception of Early Clinical Exposure classes in Anatomy during Phase I MBBS course.
4. Dr. Asitava Deb Roy (Additional Professor and Head Department of Pathology, AIIMS Deoghar, Jharkhand). Innovative Ways of Student Engagement in Large Group Settings

5. Dr. Kaushik Mitra (Associate Professor Department of Community Medicine, Burdwan Medical College): Performance of Undergraduate Medical students in formative and summative evaluation in Community Medicine in a Medical College of West Bengal.

6. Mr. Debayan Bhattacharya (Third year UG student at Burdwan Medical College, West Bengal): A cross-sectional study to assess the impact of psychiatric distress on coping responses and the levels of anxiety, depression, and suicidal ideation among nursing students.

7. Mr. Sumitaksha Banerjee (Final year UG student at Burdwan Medical College, West Bengal): Prevalence of insomnia and its correlation with substance abuse in students of a higher education institution of Eastern India: A cross-sectional study

APAN 57: A brief overview of our session:

Six presentations (15 minutes each) on Medical Education from Medical Colleges across India and one from Saudi Arabia by senior faculty members. The traditional role of a teacher has been to act as a source of information and to transmit this information to the learner. With the recent emphasis on the active role of the learner, the role of a teacher has changed and overall responsibility and functions in the educational process have increased tremendously: Managerial function, Teacher as a communicator, Teacher as a self-learner, Researcher worker, and role model. This session highlighted newer different teaching-learning, curricular aspects, and assessment processes as well as newer educational modifications in health professions education.

Presenters and presentations:

1. Professor Dr. Arunima Chaudhuri (Professor Department of Physiology Burdwan Medical College): Qualitative research: A powerful method to inform evidence-based practice in Medical Education

2. Professor Dr. Aarti Rohilla (Professor Department of Anatomy, PT.B.

D. SHARMA PGIMS Rohtak, Haryana): Significance of AETCOM in Medical Education: Concept and Implementation.

3. Dr. Asitava Deb Roy (Additional Professor and Head Department of Pathology, AIIMS Deoghar, Jharkhand). Humanities in Medical Education: A Short Insight.

4. Dr. Kaushik Mitra (Associate Professor Department of Community Medicine, Burdwan Medical College): Mentorship in Medical Education.

5. Dr. Kiran Kumar Ganji (Assistant Professor and BDS Program Coordinator College of Dentistry, Jouf University. KSA): Beyond the Lecture Hall: Unveiling Social Media's Impact on Learning for Medical Graduates.

6. Dr. U. Karthika Priyadharshini (Assistant Professor Department of Physiology, JIPMER, Pondicherry): Ethics for educators: Research and Publication.

APAN 58: A Brief Overview of our Session:

Six presentations (15 minutes each) on Medical Education from Medical Colleges across India and one from Saudi Arabia by senior faculty members. This session will highlight newer teaching-learning, curricular aspects, and assessment processes as well as newer educational modifications with the advancement of technology in health professions education.

Presenters and presentations:

1. Professor Dr. Arunima Chaudhuri (Professor Department of Physiology Burdwan Medical College): Academic Leadership in Medical Education: Navigating challenges and fostering innovation

2. Professor Dr. Aarti Rohilla (Professor Department of Anatomy, PT.B. D. SHARMA PGIMS Rohtak, Haryana): Application of SOLO Taxonomy in Anatomy Education

3. Professor Dr. Asitava Deb Roy (Head of the Department of Pathology and Vice Dean, Faculty of Medicine, Mat Gujri University, Kishanganj Bihar). Teaching Pathology to Undergraduate Medical Students. Are we doing justice?

4. Dr. Kaushik Mitra (Professor Department of Community Medicine, Burdwan Medical College): Digital learning tools in medical education.

5. Dr. Kiran Kumar Ganji (Assistant Professor and BDS Program Coordinator College of Dentistry, Jouf University. KSA): Mentoring and Reverse Mentoring in Medical Education.

6. Professor Dr. Kamal Singh (Professor Department of Anatomy, PT.B. D. SHARMA PGIMS Rohtak, Haryana): Current trends in Medical Education.

