

Innovative Programmes

A. Contribution to innovations in Teaching

Unani System of Medicine is one of the oldest systems of medicines. Though it originated in Greece but developed at large during Greco-Arab period. Now, India is the only country where this system is firmly rooted and has got Government patronage to the great extent. After independence, the AYUSH systems of medicine in general and Unani medicine in particular developed tremendously. After establishment of Ministry of AYUSH, the development of the Unani medicine gathered pace further and progressed by leaps and bounds. The Unani medicine is recognized as complete discipline of science and remains relevant in the current neo-scientific era. Hence, customized approaches involving both modern and ancient teaching methodologies adopted at the institute provide the maximum efficiency in learning. NIUM has been following this model with periodic evolutions. The salient contributions of innovative teaching are;

1. Participative Learning by involving students in the learning process.
2. Practical training both on site and through digital method.
3. Memorization of Arabic Verses from *Al-Qanoon Fit Tib*, which form the basis of Unani Medicine theoretical knowledge along with simultaneous demonstration of their application on patients.
4. Students are given multi-faceted skills like textual knowledge, practical experience, public handling at OPD and IPD, etc.
5. Students are provided with entrepreneurial skills to develop their own small-scale business.

B. Innovative programmes in teaching and research by the institute

Various innovative and practical activities are held in all departments for improving teaching-learning. Being an apex institute, we are engaged in grooming M.D and Ph.D. students as able teachers, dedicated researchers and proficient clinicians for which we are always using innovative ideas to enhance teaching learning process. Ph. D students are supervising key result areas in the presence of their guide and faculty. To enhance the Teaching learning process, we are using these tools as a routine strategy. Various activities going on for Innovation and creativity in teaching-learning are as follows:

1. Innovative programmes throughout the year are conducted for teachers as well as Ph.D. and P.G scholars e.g., workshops on research methodology, teaching and learning skill development programme, journal club, debate and discussions on relevant and important topics, case discussions and practical demonstration and brainstorming session on various Ilaj Bit Tadbeer regimens and group discussions on experimental studies, etc.
2. Group work for medical audit, patient care, and for brain storming sessions.

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3. Classroom quizzes to increase recall capacity and also to enhance memory and competitiveness.
4. Assignments for scheduled time periods for writing a case history, spot diagnosis and compilations to write a research article.
5. Computer/multi-media aided learning on diseases specific, area specific health problems, gender specific health problems.
6. Seminar presentations on the specific subject or topic.
7. Small projects for a limited time period under the guidance of a faculty member and or under senior colleague who is already working on the problem.
8. Preparing PPTs for presentation by himself and to present them in the departmental seminars and laboratory practical teaching in succession.
9. Study tour to visit distant hospitals for specific purpose.
10. Use of ICT tools for teaching the fundamentals of Unani medicine effectively.
11. Effective feedback mechanism for further improvement of teaching as per need and demand of students.
12. Use of information and communication tools for evaluation of students.
13. Objective based teaching and assessment of outcomes through well-defined criteria.
14. Preparation and distribution of e-learning materials to students.
15. Effective mentor mentee policy provides special attention by mentor to their mentees for development of the students in all aspects as their individual need and as whole.

Institute has adopted following innovative method of teaching and research**1. Flipped classroom method**

Students are motivated to come in class with prior reading of concerned topic before starting teaching it in classroom, so that student can easily understand the topic and can share their queries and curiosities with teachers

2. Design thinking method (Case Method)

Institute offers effective teaching through individual need and demand satisfaction method by analysing every student and their baseline knowledge and grasping capacity.

3. Self-learning motivation

Students are motivated to learn themselves and try to understand the topics and the difficulties arising in understanding the topics are discussed with students and being taught that topic above the level they can understand themselves.

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4. Gamification

Few topics which are difficult to understand and recall are being taught to students through games that can increase interest of students and can help to recall and understand the topic very easily e.g. Teaching various *Ajzai Tarkeebi* of compound formulation and *Amzaja Advia*, *Alamat Amzija*, Drugs of *Munzija wa Mushil Advia*, *Ajnas Amraz* of organs or system etc through various games.

5. Use of social media for teaching and learning

Learning material, e-books, Articles or any news related to any topic of the syllabus are shared by faculty with students through various social Media platforms like WhatsApp, Facebook, etc

6. Use of free online learning tools

Students are motivated to use various free online learning tools like software for statistical analysis, various online lectures by expert, blog of learned person of the field, use of some android applications for competitive exam preparation and to understand the subject through subject related mobile and computer applications too.

7. Interactive method

Interaction between students and teachers is brought into practice by faculties of Institute while teaching in class rooms. Every student is motivated to interact with teacher in form of asking any question or asking for further information on topic to satisfy his/her curiosity.

8. Competence method

The teaching methods practiced in institute mainly aim to produce competent Unani medical Physician, Unani medical Teacher, Unani medical surgeon and Unani researchers etc through skill-based teaching modules prepared for practical propose. Various field surveys, basic video laparoscopic endotraining on endotrainer is given and the student and then in the patients. surgery on dummy model and then on patients, clinical class, on patients teaching of various clinical methods are practiced in institute to make the students competent in the subject.

C. Whether the Institute has demonstrated the characteristics of university through diverse curricular provisions and contribution to teaching

- i. Institute provides an academically challenging curriculum that includes attention to the development of higher-level cognitive skills and clinical practice orientated skills.
- ii. Instruction focuses on student's creation of meaning about content in an interactive and collaborative learning environment.
- iii. Teachers help students to see learning tasks as meaningful to treat the patients and maintenance of health.
- iv. Curricula include the contributions and perspectives of the different contemporary and ancient medical science.
- v. Institute provides scaffolding that links the academically challenging curriculum to the cultural resources that students bring to institute.
- vi. Students are taught the culture of the institute and motivated to maintain students' sense of ethno-cultural pride and identity.