YenVox
newsletter

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Newsletter of YEN-FDC

PREAMBLE

Greetings from Team YenVox! We are here with the second issue of YenVox with the motto of providing platform for information dissemination and outreach of the various academic best practices of the various units of Yenepoya (Deemed to be University) with special focus on capacity building and faculty development. Through YenVox, we promote inculcation of multidisciplinary and interprofessional approach to delivering the curricular transaction for a better tomorrow!

Team YenVox:

Dr. Poonam R Naik, Yenepoya Medical College

Dr. Vinita Boloor, Yenepoya Dental College

Dr. Padmini T, Yenepoya Medical College

Mrs. Averil Rebello, Yenepoya Medical College

Mr. Sajjad A R Ibrahim, Yenepoya Physiotherapy College

<u>TEACHING LEARNING METHODS</u>

DEPARTMENT OF COMPUTER SCIENCE, YENEPOYA INSTITUTE OF ARTS, SCIENCE, COMMERCE AND MANAGEMENT, BALMATTA

PEER TEACHING: FOR THE STUDENTS - BY THE STUDENTS

The IT Club and the Department of Computer Science of The Yenepoya Institute of Arts, Science, Commerce and Management, Balmatta have begun a unique joint initiative of Peer Teaching. Peer teaching is one of the best ways to master a particular subject. It is a method of teaching, where a student instructs another student, wherein the former will be an expert and the latter a novice. This joint venture, aims at series of sessions by the Students who own expertise in certain domain for the benefit of other students who are novice in those domains. The sessions are delivered as Lecture sessions, Demonstrations, Presentations and practical hands-on sessions.

The sessions are delivered by the identified peers on weekly basis on various contemporary technical topics and areas. Based on the proposals submitted by the peer students, the departmental faculty members identify the beneficial target student batches.

Mr Muhammed Nahil (Certified Ethical Hacker), Mr. Muhammed Nibras (Cerified Ethical Hacker), Ms Sonali Dattatarya Surve, Ms Sruthi Lakshmi, Mr. Zulkifil Dawood, Ms. Sneha Maria and Mr. Fadhil Rafeeq have conducted sessions on technical areas such as system exploitation and web application security, cyber security, Linux, OSI Models, Data Science Burp Suite, Hash Cracking and data analytics till date.

Ms. Srijana S Shet, Staff Coordinator, IT Club and Mr. Narayan Sukumar HOD, Dept of Computer Science are coordinating the students.

DEPARTMENT OF ORAL & MAXILLOFACIAL SURGERY, YENEPOYA DENTAL COLLEGE

Title of the activity	Comprehensive clinical training through simulation based learning
Beneficiaries/ Participants number	Third & final BDS / 80 students from each batch
Implementing Department/ Centre	Department of Oral & Maxillofacial Surgery, Yenepoya Dental College / ActsYen simulation Centre
Description of the Activity	The third BDS and Final BDS students when posted in the clinics, as part of their practical clinical postings, they had discussion of various topics in local anaesthesia, instruments, chair and operator position and exodontia etc in the department seminar room, following which same topics were demonstrated by the faculty members and performed by individual students on the phantom head simulation units for chair position, operator position, local anaesthesia block techniques and extraction methods in ActsYen simulation centre. All the procedures were explained by staff to student ratio of 1: 4, in divided batches. By this students got hands-on experience of "must know" procedures before performing on the patients. This method of teaching increased their self-confidence and skill while actually performing the procedure on patients.

Photos	
Feedback	All the stake holders found this method of simulation before performing the procedure was very useful in understanding the technique and increasing the self-confidence.

BEST PRACTICES OF DEPARTMENT OF PHARMACOLOGY, YENEPOYA MEDICAL COLLEGE

1. DEVELOPING SKILLS IN MEDICAL COMMUNICATION

<u>Role play as an education method to learn communication skills</u>

A core skill in medicine is the ability to interact with patients using a language that is genuine and individualized to the clinician. Second year MBBS students participated in role play as a part of enhancing their communication skills. The role play was recorded as a short movie titled 'Sound of silence' to create awareness among the community to encourage Adverse Drug Reaction (ADR) reporting. The short movie was released on 23rd September 2021 on the occasion of National Pharmacovigilance week celebrations. The participants were awarded certificates of participation.

2. INJECTION TECHNIQUES IN SIMULATED ENVIRONMENT

The administration of injections is an essential part of medication management. A skilled injection technique makes the patient's experience more pleasant and avoids unnecessary complications. The students are trained in administering injections using manikins. Following the demonstration of correct technique, students are asked to practice the injection technique (subcutaneous, intramuscular, intravenous) on the manikins. The students were then assessed using a checklist.

3. SELF DIRECTED LEARNING (SDL)

E poster competition for second year MBBS students
E poster competition was conducted for second year MBBS students with the objective of creating awareness regarding Over the counter drugs and self-medication. Theme was "Safe use of Over the Counter (OTC) drugs". All 150 students participated in a group of three- five students. Students created unique posters containing pictorial information that helps disseminate awareness regarding the topic. The competition was held for three days. (20/9/21 to 22/09/21).
The competition aimed to give the students an opportunity to delve deeper into the topic and 'reflect' on their opinions.

BEST PRACTICES OF DEPARTMENT OF OPHTHALMOLOGY, YENEPOYA MEDICAL COLLEGE

Art and Medicine- Use of Visual Thinking Strategies [VTS] to build observational skills and critical thinking.

Structured visual arts curricula can facilitate skills of observation, reflection, and introspection and flexibility in thinking. It also promotes empathy, team building, communication skills and cultural sensitivity

A group of 20 undergraduate Phase III part I MBBS students of Yenepoya Medical College, posted in Ophthalmology for their clinical posting underwent training for VTS and critical thinking.

They were asked to make a detailed observation of a painting put up in the academic block on the ground floor of our college for 10 minutes. They were asked three questions based on VTS: (1) 'What is going on in this picture?' (2) 'What do you see that makes you say that?' and 3) 'What more can you find?' These questions encouraged the students to look closely at the

painting, make observations based on what they see, and share in collaborative meaning-making. The facilitator listened closely, pointing out what the students were referring to, paraphrasing and encouraging multiple responses.

At the end of the interaction, a verbal feedback on the experience yielded responses like "Never knew art could be so useful in medicine", "refreshingly new way of learning', " learnt the art of description in an enjoyable way. It will help in clinical case description too" "we learnt to listen and also see from another person's point of view," "allowed them to introspect and reflect."

ASSESSMENT

Department of Pharmacology, Yenepoya Medical College

OSPE (Objective structured practical examination)

Objective structured practical examination (OSPE) is an important assessment method to evaluate the practical knowledge of students in a step-wise, scientific, targeted and scheduled manner. The student's performance was evaluated through observed and non – observed skill stations. The students were sensitized to the evaluation method prior to the internal practical assessment. Feedback from the students revealed that OSPE was well accepted by the students compared to traditional pattern of examination.

<u>**YEN LEARNING CIRCLE**</u>

"If you're not upgrading yourself over time, you're degrading yourself over time."

— Anuj Jasani, Entrepreneur | CEO – Just Brandable & Budget OK

Investing in self, to be a better is the best mantra of life. Long distances can be covered in this path when we work and share and learn from one another. Digital Learning and Development Unit, YEN-FDC has introduced Yen learning circle for the Teachers of Constituent colleges of (Yenepoya Deemed to be University) for this shared learning among the teachers. It's an online platform to discuss the innovative teaching learning and assessment methods employed by the teaching faculty of the University or elsewhere for dissemination and implementation in other constituent colleges

Objectives

- To appraise the teachers on different educational strategies for effective curricular transaction
- To be able to prune the techniques as per their settings innovatively
- To assist the teachers in carrying out and publish articles in Education research journals

The sessions will be conducted online on Every 4th Thursday of the month online from 2.00pm to 3.00 pm. Any interested teacher from the constituent colleges as per the calendar schedule can submit a brief abstract of 50 words with supporting article/other resources to the committee E-Mail Id: yenfdc@yenepoya.edu.in, one week before the listed date for fine tuning the content and approval after which the same would be presented with ppt. Themes could be related to Undergraduate education, Postgraduate training, Continuing professional development, Interprofessional education

In the first Yen learning circle held on 8th February 2022, Dr. Madhavi Bhargava, Associate professor, Dept of Community Medicine shared her experience of "Story Telling" as teaching - Learning method in Community Medicine while Dr. Shaheen Shaikh, Associate Professor, Dept. of Biochemistry, Yenepoya Medical shared her experience on development

and Evaluation of "Yen Fight Diabetes" a digital model for Comprehensive and Holistic Diabetes Care at Yenepoya Medical College. Sixty four teachers from the constituent colleges of Yenepoya Deemed to be university attended the event.

The Yen-Learning circle hopes to provide an opportunity for the teachers to come across good teaching methods and helping to open the doors to implementation of more such methods by the various departments across all the constituent colleges of Yenepoya Deemed to be university.

Story – telling as a teaching learning method in Community Medicine

Being able to see the phase of illness of patient and the family with a human angle makes medical students thoughtful, capable and empathetic individuals. A good story-telling session, a form of narrative medicine, can create ability in the story teller and the listener in terms of engaging with patients, communities and their peers in an effective way. It can provide a good mix of art and science of medicine. This session shared the need assessment, implementation strategies, challenges and opportunities and progress made so far in the department.

By: Dr. Madhavi Bhargava

Yen Fight Diabetes

Shaheen B Shaikh

Digital health technology, for people with or at risk for diabetes has developed at a rapid pace and become an increasingly common aspect of diabetes care and self management in certain populations. However, several barriers remain that prevent digital health technology from reaching its full potential to improve diabetes therapies and the lives of people affected by diabetes. The aim of this project was to design, develop and evaluate the Diabetes Educational digital model to empower people with diabetes to increase their knowledge about diabetes. Pre Post Educational Interventional Study was conducted at Baseline and at 12 weeks.FBS, PPBS and HbA1c levels were measured at baseline and at 12 weeks. There was significant improvement in Glycemic control, knowledge and awareness levels after Diabetes patients followed Diabetes Educational Digital Model. The FBS, PPBS and HbA1C values have significantly reduced after the intervention (P value <0.001) .The awareness scores have increased after the intervention. The implemented educational digital model would solve the problem of managing physical activity, dieting recommendations, foot care problems; diabetes associated complications and improved glycemic outcomes in Diabetes Patients.

By: Dr. Shaheen B Shaik

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