

DY Patil (deemed to be) University School of Medicine, Nerul, Navi Mumbai

[Constituent College of DY Patil (deemed to be) University, established under Sec 3 of UGC
Act 1956]

Medical Education Technology Unit (Established in 1998)

2020

DY Patil (deemed to be) University School of Medicine, Sector 7, Nerul, Navi Mumbai 400706

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Dr DY Patil

Founder President

Dr. Vijay Patil

President

Mrs. Shivani Patil

Trustee

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Vision

To be recognized as medical institute which provides world-class medical knowledge, education and skills to the undergraduate and post-graduate students and medical teachers and become the most prestigious medical institution in India and preferred hospital to the society by 2030

Mission

- To provide quality medical education and world-class health care to the society by being compassionate, caring and committed to towards students and patients.
- To live with these values in every activity that is undertaken in the institute and motivate our students and teachers to do the same.

Objectives

In order to sensitise all teachers to the educational technology, concentrated efforts to pool resources of the college and the knowledge of the trained.

The Medical Education Unit (MEU) is established to:

- Oversee and improvise teaching methods
- Train teachers to impart quality education to the students

- Improve awareness amongst the teachers regarding the principles of medical education technology.
- Disseminate relevant knowledge and information in medical sciences
- Exchange views and information on medical education
- Motivate young teachers to participate in training programmes
- Establish a model resource centre for training technology
- Promote educational research among teachers and students
- Provide guidance on student assessment, curriculum design and evaluation

These activities are arranged in order to acquaint all teachers in the following areas of educational technology as applicable to the training of medical graduates.

- Types and importance of educational objectives
- Teaching learning experiences-different methods and principles
- Evaluation; question paper setting, types, advantages and limitations, oral examination, practical/clinical examination
- Media/audio visual techniques
- Practice sessions, to sharpen teaching skills-Microteaching
- Curriculum planning
- Group dynamic skills
- Managerial skills
- Behavioural skills
- Program evaluation
- E-learning

Members (2019-2020)

Sr. No.	Name	Designation	Role in MEU	Phone number	Email id	Photograph
1	Dr. Surekha Patil-	Dean & Professor Anaesthesia	Hon Director	9930923108	surekha.patil@dypatil.edu	
2	Dr. Archana Bhate-	Professor & Head, Department of Medicine	MEU Coordinator	9821366812	archana.bhate@dypatil.edu	
3	Dr. Sharmila Patil-	Professor & Head, Dept of Dermatology	Deputy Coordinator	9821350217	sharmila.patil@dypatil.edu	
4	Dr. Meena Satia-	Professor OBGY	Deputy Coordinator	9869084018	meena.satia@dypatil.edu	
5	Dr. Vivek Nalgirkar-Member	Professor & Head Dept of Physiology	Member	9769067069	vivek.nalgirkar@dypatil.edu	
6	Dr. Sadhana Mendhurwar	Professor-Physiology	Member	9867242127	sadhana.mendhurwar@dypatil.edu	
7	Dr. Manisha Nakhate	Professor, Anatomy	Member	9820842172	manisha.nakhate@dypatil.edu	
8	Dr Violet Pinto	Professor, Community Medicine	Member	9820492577	violet.pinto@dypatil.edu	
9	Dr Deepali Vidhate	Professor, Biochemistry	Member	9869687771	deepali.vidhate@dypatil.edu	
10	Dr Bharati Nalgirkar	Associate Professor-Biochemistry	Member	9920666074	bharati.nalgirkar@dypatil.edu	
11	Dr Rupali Shastrakar	Associate Professor-Anatomy	Member	9326370482	rupali.shastrakar@dypatil.edu	
12	Dr. Vaishali Thakare	Associate Professor-Pharmacology	Member	8169429371	vaishali.thakare@dypatil.edu	
13	Dr. Ruta Bapat	Associate Professor-Anatomy	Member	9167201918	ruta.bapat@dypatil.edu	
14	Dr. Debapriya Das Choudhury	Assistant Professor-Microbiology	Member	9891845364	debapriya.das@dypatil.edu	
15	Dr Anant Patil	Assistant Professor-Pharmacology	Member	9920449433	anant.patil@dypatil.edu	

Supporting staff

- Senior administrative clerk-One
- Audio-visual technician-One
- Attendant-One

Facility

- The office of MEU is located on the first floor of the college building. The space is capable of occupying 20-25 participants and used for conducting meetings, workshops and other related activities related to medical education

Other resources

For the effective functioning of the MEU following resources are always available:

- Overhead projector: 1
- Microphone and amplifier: 1
- Two computers: 2
- LCD projector: 1
- 35 mm slide projector: 1
- Cupboard: 1
- Tables: 4
- Chairs: 30
- Television for slide projection: 1
- White board: 1
- Round the clock internet connection

Books and journals

Books and journals on education in general and medical education are purchased and kept in central library. These are available to teaching staff

MEU in Dr DY Patil Medical College was established in 1998 in line with the recommendation of Medical Council of India.

Activities before 2014

- Training on Foundation for Advancement of International Medical Education and Research (FAIMER) completed by Dr. Sharmila Patil in 2005-2006

Activities from 2014

- The Medical Education Unit conducts meeting every quarter
- MCI Basic Course (Sensitization Workshop & Revised Basic Course Workshop)
- Categories of personnel trained: Medical Teacher

List of teachers who underwent training at Nodal Centre, Mumbai

Sr. No.	Name of the teacher	Year of training	Course attended
1	Dr Vivek Nalgirkar	2015	Revised Basic Workshop
2	Dr Sharmila Patil	2015	Revised Basic Workshop
3	Dr Bharati Nalgirkar	2016	Revised Basic Workshop
4	Dr Ruta Bapat	2016	Revised Basic Workshop
5	Dr. Manisha Nakhate	2017	Revised Basic Workshop
6	Dr. Dipesh Goel	2017	Revised Basic Workshop
7	Dr. Violet Pinto	2017	Revised Basic Workshop
8	Dr. Rupali Shastrakar	2017	Revised Basic Workshop
9	Dr. Sadhana Mendurwar	2018	Revised Basic Workshop with AETCOM
10	Dr. Deepali Vidhate	2018	Revised Basic Workshop with ATECOM

11	Dr. Debapriya Das Choudhury	2018	Revised Basic Workshop with AETCOM
12	Dr. Vaishali Thakare	2018	Revised Basic Workshop with AETCOM
13	Dr. Meena Satia	2018	Revised Basic Workshop with AETCOM
14	Dr. Anant Patil	2018	Revised Basic Workshop with AETCOM
15	Dr. Bharati Kulkarni	2018	Revised Basic Workshop with AETCOM
16	Dr. Surekha Patil	2018	Revised Basic Workshop with AETCOM
17	Dr Varsha Vyas	2018	Revised Basic Workshop with AETCOM
18	Dr. Dipesh Goel	2018	Revised Basic Workshop with AETCOM
19	Dr Violet Pinto	2018	Advanced Course in Medical Education
20	Dr Manish Pendse	2018	Advanced Course in Medical Education
21	Dr. Ajay Gujar	2019	Revised Basic Workshop with AETCOM
22	Dr Kavita V	2019	Revised Basic Workshop with AETCOM
23	Dr Sreevidya Srinivasan	2019	Revised Basic Workshop with AETCOM
24	Dr. Sharmila Patil	2019	Curriculum Implementation Support Program (CISP)

25	Dr. Archana Bhate	2019	Curriculum Implementation Support Program (CISP)
26	Dr. Meena Satia	2019	Curriculum Implementation Support Program (CISP)
27	Dr. Surekha Patil	2019	Curriculum Implementation Support Program (CISP)
28	Dr. Vaishali Thakare	2019	Curriculum Implementation Support Program (CISP)
29	Dr. Deepali Vidhate	2019	Curriculum Implementation Support Program (CISP)

Curriculum Implementation Support Program (CISP) Workshop

The Medical Education Unit of Dr D Y Patil Medical College, Navi-Mumbai conducted the first 3 days MCI recognized workshop on “**Curriculum Implementation Support Programme (CISP)**” under the governance of the Nodal/ Regional centre -Seth. G.S. Medical College & KEM Hospital, Mumbai.

- **Dates of workshop:** 12-14th June 2019
- **Name of MCI Observer:** Dr. Sharmila Jalgaonkar, Associate Professor, Pharmacology, Seth G.S. Medical College & KEM Hospital, Parel, Mumbai

A total of 30 faculties from preclinical, para-clinical and clinical departments of the college **attended the CISP workshop.**

Distribution of participants as per designation:

- Professor- Twenty two (22)
- Associate Professor- five (05) and
- Assistant Professor- three (03)

Distribution of participants as per department

- Pre-clinical and Para-clinical department: Nineteen (19)

- Clinical disciplines: Eleven (11)

List of participants

Sr. No	Name of Teacher	Designation, Department & Status as Dean/Principal/ MEU coordinator/CC member
1	Dr Manisha Nakhate	Professor of Anatomy
2	Dr.Rupali Shastrakar	Associate Professor of Anatomy
3	Dr Ruta Bapat	Associate Professor of Anatomy
4	Dr Vijaya Haldankar	Professor of Biochemistry
5	Dr Bharati Nalgirkar	Associate Professor of Biochemistry
6	Dr Sandhya Jathar	Professor of Biochemistry
7	Dr. Sunita Bharati	Assistant Professor of Anatomy
8	Dr Sadhana Mendhurwar	Professor of Physiology
9	Dr Archana Kadam	Associate Professor of Physiology
10	Dr Pallavi Chitnis	Assistant Professor of Physiology
11	Dr.Abhay Chowdhary	Professor of Microbiology
12	Dr.Rita Swaminathan	Professor of Microbiology
13	Dr Deepakumar Langade	Professor of Pharmacology
14	Dr Pradnya Deolekar	Associate Professor of Pharmacology
15	Dr Anant Patil	Assistant Professor of Pharmacology
16	Dr.Rahul Peddawad	Professor of Forensic Medicine
17	Dr Pragati Upasham	Professor of Pathology

18	Dr Sudhamani .S	Professor of Pathology
19	Dr Rajiv Rao	Professor of Pathology
20	Dr Sumedha Joshi	Professor of Community Medicine,
21	Dr Violet Pinto	Professor of Community Medicine
22	Dr Smita Patil	Professor of General Medicine
23	Dr Girija Nair	Professor of Pulmonary Medicine
24	Dr Rajesh Rai	Professor of Paediatrics
25	Dr Sandesh Deolekar	Professor of General Surgery
26	Dr Prakash Samant	Professor of Orthopaedics
27	Dr Yogesh Dabholkar	Professor of ENT
28	Dr Nupur Chakravarty	Professor of Ophthalmology
29	Dr Sriram Gopal	Professor of Obstetrics & Gynaecology
30	Dr Varsha Vyas	Professor of Anaesthesiology

Agenda of CISP Workshop:

Day 1			
Time	Session	Objectives	Faculty
9:00-9:30	Registration, inauguration, ice breaking	Ice breaking and introduction of participants and faculty	Dr Meena Satiya
9:30-10:30	Competency based medical education (CBME)	Definition of competency, Difference between competency, objectives & outcomes (with examples);	Dr Archana Bhate

		introduction to CBME, salient differences from conventional model	
10:30-11:00	Tea		
11:00-11:30	IMG: Goals, roles & Competencies	How to link national health needs to competencies and objectives	Dr Archana Bhate & Dr Deepali Vidhate
11:30-12:30	Deriving objectives from competencies	Demonstrate linking of competency with domains of learning using the competency sheet	Dr Archana Bhate & Dr Deepali Vidhate
12.30-13.00	Linking competency objectives to Teaching Learning Methods (TLM)	Hands-on experience-group work, small groups work with faculty, emphasis on proper alignment, discuss relevant TL methods	Dr Archana Bhate & Dr Deepali Vidhate
13:00	Lunch		
13:45-14:30	Proposed changes in Graduate Medical Education Regulations (GMER) 2019	Time frame, training methods, integration, assessment, new additions like Foundation Course, formative feedback	Dr.Deepali Vidhate
14:30-14:45	Tea		
14:45-15:15	Electives	Concept of electives	Dr Sharmila Patil
15:15-16:00	Foundation Course	Concept, components, timeframe & examples	Dr Vaishali Thakare
16:00-17:00	AETCOM module	Purpose, mission and objectives & booklet review	Dr Meena Satiya

Day 2

Time	Session	Objectives	Faculty
9:00-11.00	Early Clinical Exposure (ECE)	Concept, framework & group activity	Dr Sharmila Patil & Dr Archana Bhate
11.15	Tea		
11.15-13.00	Integration	Concept, framework (using examples from competency table)	Dr Sharmila Patil & Dr.Vaishali Thakare
13.00	Lunch		
14.00	Aligning & integrating competencies	Designing time table	Dr Deepali Vidhate & Dr Vaishali Thakare
15:00	Tea		
15.15-17.00	Skills training	Competency acquisition, Skills lab: group activity	Dr Sharmila Patil & Dr Meena Satiya

Day 3

Time	Session	Objectives	Duration
9.00-10.00	Assessment in CBME	Principles as relevant to CBME, assessment methods	Dr Archana Bhate & DrVaishali Thakare
10:00-11.00	Aligning assessment to competency objectives &TLM	Group activity	Dr Archana Bhate & Dr Vaishali Thakare
11.00	Tea		
11.15-11.45	Learning Resource Materials	Sharing/ discussion	Dr Sharmila Patil & Dr Meena Satiya
11.45-12.45	Curricular governance	Presentation & discussion	Dr Sharmila Patil & Dr

			Meena Satiya
12.45	Lunch		
13:45-14:45	The road ahead	Training and faculty development	Dr Deepali Vidhate
14.45	Tea		
15.00-16.00	Feedback from participants	Program evaluation and feedback on implementation	
16:00-16.30	Open house		All Faculty
16.30-17.00	Valedictory		

Photographs of CISP workshop:

Photographs of other activities conducted:

Publication related to medical education

<https://www.iosrjournals.org/iosr-jdms/papers/Vol18-issue10/Series-3/K1810035760.pdf>

Research projects related to medical education

Following teachers conducted research on medical education

Sr. No.	Name of the teacher	Research title	Status of the project
1	Dr. Archana Bhate	Assessment of awareness of interdepartmental communication importance among faculty members	Completed
2	Dr. Sharmila Patil	Introducing cosmetology course in dermatology curriculum	Completed

3	Dr. Amit Patil	Power-Point versus transparencies overhead projector: Medical students perception	Completed
4	Dr. Vinu Vij	Introduction of an active student-centered instructional method in classroom to teach "General Physiology" to first year MBBS students.	Completed
5	Dr. Manish Pendse	Use of WhatsApp as a supplement (innovative teaching tool) to teaching learning in postgraduate medical education	Completed
6	Dr. Violet Pinto	Use of activity based intervention (case based scenarios and crossword) during third MBBS lectures to facilitate learning in community medicine	Completed
7	Dr. Rupali Shastrakar, Dr. Manisha Nakhate	Evaluation of teaching methods in Anatomy: A study on first year medical students	Completed
8	Dr. Srividya Sreenivasan	Evaluation of a novel method in teaching histology diagram drawing for first year MBBS students	On-going

Advisory role of the unit

With the availability of the experience in medical education from various activities, the unit will take responsibilities in providing support and advise in following academic and educational activities

- Functioning of curriculum committees of the college
- Development of areas of integration at various levels, especially between clinical and other disciplines
- Initiation of activities for development of question banks in various disciplines
- Guide medical illustration division for its role in educational activities

Future activities

- The MEU will continue dissemination of information on medical education technologies and organize workshops as per the requirements

of Medical Council of India and keep all teachers updated with the latest developments in the medical education technologies

- Collaboration with different departments in the institute
- To become nodal centre for medical education training
- To start online courses on medical education