



*KLE Academy of Higher Education &  
Research (Deemed-to-be-  
University)*

**JAWAHARLAL NEHRU MEDICAL COLLEGE**  
Tel.No: 0831-2473777, Extn-1292,1293 Email ID: [Anaesthesia47@gmail.com](mailto:Anaesthesia47@gmail.com)



## **EXPERIENTIAL LEARNING**

### **Department Ophthalmology**

### **FLIPPED CLASS**

The Flipped Classroom is a pedagogical model in which direct instruction moves from group learning space to individual learning space. The resulting group space is transformed into a dynamic, interactive learning environment where the educator guides the students as they apply concepts and engage creatively in subject matter.

The intent is for students to see the material beforehand, so they can learn the concepts at their own pace. By doing so, students are better able to focus on participating in class and receive feedback on their efforts during the lesson.

Advantages of the flipped classroom method include the following:

- Flexible Learning Environment: it provides fluid timelines for student work and comprehension.
- Learning Culture: students to delve further into topics and provides them with opportunities for self-reflection and hands-on activities.
- Monitoring students during lessons and offering feedback ensures no gaps in student knowledge are being created.

#### **Flip Classes at Department of Ophthalmology, JNMC, Belagavi**

- Started for postgraduate large group teaching in 2022.
- Topics selected were those which students have more difficulties –e.g. fundus fluorescein angiography, optical coherence tomography, and their indications in various common retinal diseases encountered in daily OPD.
- Study material shared by the faculty with the students well in advance in the form of videos and recent articles so that students come well prepared to the class.
- On the day of class, students divided into 3 groups (5 students in each group).
- A set of questions given to each group and 20 minutes given for group discussion following which, faculty asked the same questions to the students which were to be answered individually.



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### **FLIPPED CLASS TIME –TABLE FOR POST-GRADUATES**

- Flipped classes are scheduled for post graduate students in CORNEA on every 4<sup>th</sup> Saturday of the month starting from AUGUST 2023.
- The details and time tables of the classes to be conducted as are follows
- **Place: OPD Seminar room**
- **Time : 3.00 to 5.00 PM**

S.No.	Date	Topics	Resource Person
1	26-08-2023	Cornea- basic sciences,examination and investigations	Dr Arvind Tenagi Dr. Chethana Warad Dr. Farheen Maniyar Dr. Daisy V
2	23-09-2023	Infectious keratitis and dry eye	
3	21-10-2023	Corneal dystrophies and degeneration and ectatic condition	
4	25-11-2023	Corneal transplantation and eye banking	
5	02-12-2023	Contact lenses and refractive surgeries	

- Study material will be provided to the students a week prior and all students are to come prepared for the same on the day of the class.
- Staff In charge : Dr. Farheen Maniyar





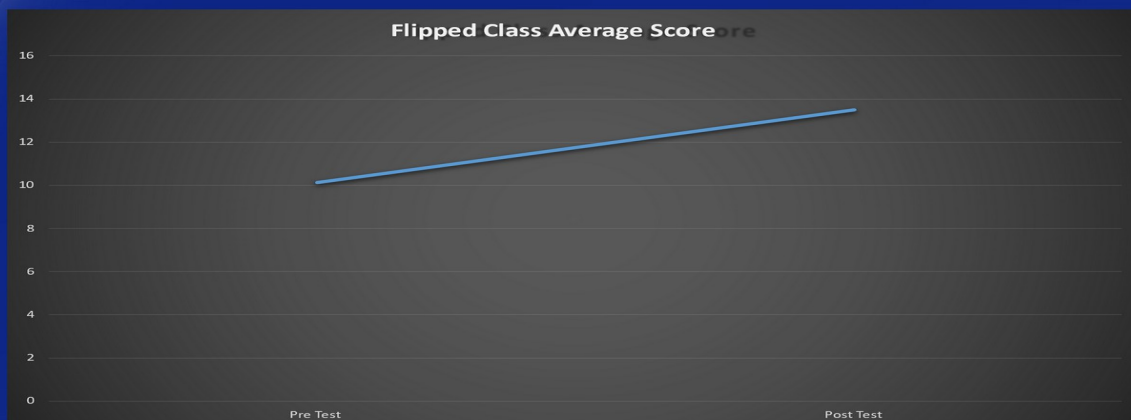
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PRE-  
TEST and  
POST –  
TEST  
SCORES

## FLIPPED CLASS



DEPARTMENT OF OPHTHALMOLOGY

1

**Dr. S. C. Bubanale**  
Professor & Head  
Department of Ophthalmology  
J N Medical College, Belagavi



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### Community Awareness Programmes :

Serial no.	Event Observed	Date
1.	To raise awareness about the geriatric health and associated problems	06/01/24
2.	Health Check Up Camp among workers	24/01/2024
3.	Creating awareness about voting in students	25/01/24
4.	Cancer Awareness Campaign	9/02/24
5.	To create awareness among the students about women empowerment	13/03/24
6.	To create awareness among the students about 'My health,My right'.	17/04/24
7.	screening for diabetes and hypertension.	17/05/24
8.	To create awareness among the students about the importance of maintaining good health with the practice of yoga	20/04/24



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### Health Check Up Camp

	Particulars	Information
1.	Name of the program	Health Check Up Camp
2.	Program organized by Department	NSS Unit – 1
3.	Department / Association / Cell involved	Community Medicine and Physiology
4.	Date	06/01/24
5.	Duration	9:00 am to 1:00 pm
6.	Location	Nagnoor Shri Shivabasweshwar Old Home, Devaraj URS Colony
7.	Objective of the program	To raise awareness about the geriatric health and associated problems
8.	Activities carried out during the program	<ul style="list-style-type: none"><li>• Health talk on the common health issues and ailments in the geriatric age group, and the various methods to overcome the same.</li><li>• Talk on teenage healthy habits, Nutrition and selfcare to the teenage girls.</li><li>• Talk on the importance of maintaining a healthy diet, lifestyle and hygiene.</li><li>• BMI, Random blood sugar, and BP were checked.</li></ul>
9.	No. of Students Participated	5
10.	No. of Teachers Participated	1
11.	No. of volunteers present	2
12.	No. of Beneficiaries benefited from the	80



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	program	
13.	Photos	Attached
14.	Press Clippings	-



## Health Check Up Camp

	Particulars	Information
1.	Name of the program	Health Check Up Camp
2.	Program organized by Department	NSS Unit – 1
3.	Department / Association / Cell involved	Community Medicine
4.	Date	24/01/24
5.	Duration	9:00 am to 1:00 pm
6.	Location	Niyaz Spice Factory, Autonagar Industrial Area, Belagavi
7.	Objective of the program	To raise awareness about the importance of proper diet among the workers
8.	Activities carried out during the program	<ul style="list-style-type: none"> <li>Talk on the importance of Vitamin D and it's clinical implications</li> <li>Blood Pressure, Random blood sugar, BMI, Vitamin D levels and Bone marrow density of the beneficiaries was checked</li> </ul>
9.	No. of Students Participated	8



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10.	No. of Teachers Participated	1
11.	No. of volunteers present	4
12.	No. of Beneficiaries benefited from the program	40
13.	Photos	Attached
14.	Press Clippings	-



### ELC Event about Voting Awareness

	Particulars	Information
1.	Name of the program	ELC Event about Voting Awareness
2.	Program organized by Department	NSS Unit-1
3.	Department/Association/Cell involved	Community Medicine
4.	Date	25/01/24
5.	Duration	9:00am to 1:00pm
6.	Location	J.N. Medical College, Belagavi
7.	Objective of the program	To raise awareness about the importance of voting among the college students





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8.	Activities carried out during the program	<ul style="list-style-type: none"> <li>• Talk on the importance of voting among the youth and how it impacts the country.</li> <li>• Theme - My vote, my right was given for an art competition. Prizes were given for the top 3 posters which rightly portrayed the theme.</li> <li>• Voters pledge was also taken with the students.</li> </ul>
9.	No. of Students Participated	8
10.	No. of Teachers Participated	1
11.	No. of volunteers present	18
12.	No.of Beneficiaries benefited from the program	40
13.	Photos	Attached
14.	Press Clippings	-





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	Particulars	Information
1.	Name of the program	Cancer Awareness Campaign
2.	Program organized by Department	NSS Unit – 1
3.	Department / Association / Cell involved	Community Medicine and Surgical Oncology
4.	Date	09/02/24
5.	Duration	9:00 am to 1:00 pm
6.	Location	PHC Kinaye
7.	Objective of the program	To raise awareness about the cancer in the rural population
8.	Activities carried out during the program	<ul style="list-style-type: none"><li>• Talk on the burden of cancer and how it impacts the country.</li><li>• PowerPoint presentation regarding Cancer Awareness, self breast examination, importance of pap smear screening and HPV Vaccination.</li><li>• Guidance session for Asha Workers for the field work they can do for early detection of Cancer.</li></ul>
9.	No. of Students Participated	3
10.	No. of Teachers Participated	2
11.	No. of volunteers present	3
12.	No. of Beneficiaries benefited from the program	80
13.	Photos	Attached
14.	Paper clippings	Attached

### **Cancer Awareness Campaign**





10.	No. of Teachers Participated	1
11.	No. of volunteers present	2
12.	No. of Beneficiaries benefited from the program	100
13.	Photos	-
14.	Press Clippings	Attached



ಬೆಳಗಾವಿ: ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರ ಕೀರ್ಣೆಯೇ ಹಾಗೂ ಎನ್‌ಎಸ್‌ಎಸ್ ಘಟಕ 1. ಇವರ ಸಂಯುಕ್ತ ಆಶ್ರಯದಲ್ಲಿ ಜೈನ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜು, ಪೀಠನವಾಡಿ, ಬೆಳಗಾವಿ ಎಂಬಲ್ಲಿ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮಹಿಳಾ ದಿನಾಚರಣೆಯನ್ನು ಆಚರಿಸಲಾಯಿತು. ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮಹಿಳಾ ದಿನವು ಲಿಂಗ ಸಮಾನತೆ ಮತ್ತು ಮಹಿಳಾ ಹಕ್ಕುಗಳ ಕುರಿತಾಗಿ ಹೆಚ್ಚು ಮಹತ್ವ ಹೊಂದಿದೆ. ವಿಶ್ವಾದ್ಯಂತ ಮಹಿಳೆಯರ ಸಾಮಾಜಿಕ, ಆರ್ಥಿಕ, ಸಾಂಸ್ಕೃತಿಕ ಮತ್ತು ರಾಜಕೀಯ ಸಾಧನೆಗಳ ಬಗ್ಗೆ ಜಾಗೃತಿ ಮೂಡಿಸಲು ಇದು ವೇದಿಕೆಯಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತದೆ.

ಎಂಬುದಾಗಿದೆ. ಈ ಥೀಮ್ ಮಹಿಳೆಯರು ಮೌಲ್ಯಯುತವಾದ, ಗೌರವಾನ್ವಿತ ಮತ್ತು ಜೀವನದಲ್ಲಿ ಸಂಪೂರ್ಣವಾಗಿ ತೊಡಗಿಕೊಳ್ಳಲು ಸಶಕ್ತ ಅಂತರ್ಗತ ಸಮಾಜವನ್ನು ರಚಿಸುವ ಪ್ರಾಮುಖ್ಯತೆಯನ್ನು ಒತ್ತಿಹೇಳುತ್ತದೆ. ಇದಲ್ಲದೆ, 2024 ರ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮಹಿಳಾ ದಿನಾಚರಣೆಯ ಪ್ರಮುಖ ವಿಷಯವೆಂದರೆ "ಮಹಿಳೆಯರಲ್ಲಿ ಹೂಡಿಕೆ ಮಾಡಿ: ಪ್ರಗತಿಯನ್ನು ವೇಗಗೊಳಿಸಿ" ಎಂಬುದಾಗಿದೆ ಎಂದು ಡಾ. ಚಂದ್ರಾ ಮೆಟಗುಡ್, ಪ್ರಾಧ್ಯಾಪಕರು, ಸಮುದಾಯ ವೈದ್ಯಕೀಯ ವಿಭಾಗ, ಜೆ.ಎನ್.ಮೆಡಿಕಲ್ ಕಾಲೇಜು, ಬೆಳಗಾವಿ ಹೇಳಿದರು.

ಘಟಕ 1 ಹಾಗೂ ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು, ಸಮುದಾಯ ವೈದ್ಯಕೀಯ ವಿಭಾಗ, ಜೆ.ಎನ್. ಮೆಡಿಕಲ್ ಕಾಲೇಜು, ಬೆಳಗಾವಿ ಲಿಂಗ ಸಮಾನತೆಯನ್ನು ಸಾಧಿಸಲು ಪುರುಷರ ಸಂಪೂರ್ಣ ಬೆಂಬಲದ ಅಗತ್ಯವಿದೆ. ಈ ಹೋರಾಟದಲ್ಲಿ ಪಾಲ್ಗೊಳ್ಳುವ ಮೂಲಕ ಪುರುಷರು ಪಿತೃಪ್ರಭುತ್ವದ ವ್ಯವಸ್ಥೆಯನ್ನು ಕೆಡವಲು ಸಹಾಯ ಮಾಡಬಹುದು ಈಗ ವಿಧಾನಸಭೆ ಚುನಾವಣೆ ಹತ್ತಿರ ಬರುತ್ತಾ ಇದ್ದು ಎಲ್ಲರೂ ಕಡ್ಡಾಯವಾಗಿ ಮತದಾನ ಮಾಡಬೇಕು ಎಂದು ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಎಂದು ಸಲಹೆ ನೀಡಿದರು.

ವೋಟರ್ಸ್ ಫೆಡ್ ಅನ್ನು ಎಲ್ಲ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಡಾ.ಸಭ್ಯಾ ಅವರು ಭೋದಿಸಿದರು. ಪ್ರಾಧ್ಯಾಪಕರು ದೀಪಾಲಿ ಪಾಟೀಲ್ ಇವರು ವಂದಿಸಿದರು. ಪೊಲೀಸ್ ಇನ್ಸ್‌ಪೆಕ್ಟರ್ ಜ್ಯೋತಿ ಪರಾಂಜಪೆ ಮಾತನಾಡಿದರು. ಪ್ರಾಚಾರ್ಯ ಡಾ.ಶಿವಕುಮಾರ್ ಉಪಸ್ಥಿತರಿದ್ದರು.ಈ ಸಂದರ್ಭದಲ್ಲಿ ಕಾಲೇಜಿನ ಸಿಬ್ಬಂದಿವರ್ಗ ಸಹ ಉಪಸ್ಥಿತರಿದ್ದರು.ಈ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಎನ್‌ಎಸ್‌ಎಸ್ ಘಟಕದ ಸ್ವಯಂ ಸೇವಕರು ಮತ್ತು ಅಶೋಕ ಕೋರ, ಹಿರಿಯ ಆರೋಗ್ಯ ನಿರೀಕ್ಷಕರು, ಸಾಂಸ್ಕೃತಿಕ ಚಟುವಟಿಕೆಗಳ



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**To create awareness among the students about 'My health,My right'.**

	Particulars	Information
1.	Name of the program	World health day
2.	Program organized by Department	NSS Unit – 1
3.	Department / Association / Cell involved	Community Medicine
4.	Date	17/04/2024
5.	Duration	9:00am to 1:00pm
6.	Location	Karnataka ITI college,Kakati
7.	Objective of the program	To create awareness among the students about the importance of maintaining good health with the theme 'My health,My right'.
8.	Activities carried out during the program	<p>1. Dr. Rajesh Kulkarni, Associate Professor, Department of Community Medicine, JNMC talked about the ways to maintain a healthy lifestyle. Sir also added about the voting awareness and the importance of the upcoming elections.</p> <p>2. Dr Savdagar, Medical Officer also gave a talk about the basic rights to health for all citizens.</p> <p>3. Pamphlets were distributed among students about the nutrition plate and were told to follow them.</p>
9.	No. of Students Participated	3
10.	No. of Teachers Participated	1
11.	No of volunteers present	5
12.	No. of Beneficiaries benefited from the program	50



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13.	Photos	Attached
14.	Press Clippings	-





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### Health Check up Camp at Vantamuri PHC

	Particulars	Information
1.	Name of the program	Health Check up Camp
2.	Program organized by Department	NSS Unit – 1
3.	Department / Association / Cell involved	Community Medicine
4.	Date	17/05/2024
5.	Duration	9:00am to 1:00pm
6.	Location	Vantamuri
7.	Objective of the program	To create awareness among the residents about health and screening them for diabetes and hypertension.
8.	Activities carried out during the program	<ol style="list-style-type: none"><li>1. Dr. Rajesh Kulkarni, NSS Chairperson and Associate Professor of Department of Community Medicine, JNMC gave a health talk on how can we manage hypertension and high blood sugar.</li><li>2. 2 Community Medicine PGs , 8 NSS volunteers took part by checking the BMI, Blood pressure and Random blood sugar of around 60 people and actively participated in the event.</li><li>3. There were 60 local people who got benefitted by this health checkup camp.</li></ol>
9.	No. of Students Participated	8
10.	No. of Teachers Participated	1
11.	No of volunteers present	6
12.	No. of Beneficiaries benefitted from the program	60
13.	Photos	-
14.	Press Clippings	Attached



## ಲೋಕಾರ್ಪಣೆ ದರ್ಶನ ಶನಿವಾರ



### ಅತಿಯಾದ ಉಪ್ಪಿನ ಸೇವೆಯಿಂದ ಆರೋಗ್ಯಕ್ಕೆ ಕುತ್ತು: ಡಾ.ರಾಜೇಶ್ ಕುಲಕರ್ಣಿ

ಬೆಳಗಾವಿ: ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರ, ವಂಟಮುರಿ ಹಾಗೂ ಎನ್‌ಎಸ್‌ಎಸ್‌ ಘಟಕ-1, ಇವರ ಸಂಯುಕ್ತ ಆಶ್ರಯದಲ್ಲಿ ವಿಶ್ವ ಹೈಪರ್ಟೆನ್ಸನ್ ದಿನಾಚರಣೆಯನ್ನು ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರ, ವಂಟಮುರಿಯಲ್ಲಿ ಆಚರಿಸಲಾಯಿತು.

ವಿಶ್ವ ಹೈಪರ್ಟೆನ್ಸನ್ ದಿನವು ಪ್ರತಿ ವರ್ಷವೂ ಮೇ 17 ರಂದು ಆಚರಿಸಲ್ಪಡುವ ಒಂದು ಮಹತ್ವದ ದಿನ. ಈ ದಿನವು ಜಗತ್ತಿನಲ್ಲಿ ಹೈಪರ್ಟೆನ್ಸನ್ ಅಥವಾ ಉಚ್ಚ ರಕ್ತದೊತ್ತಡಕ್ಕೆ ಕೊಡುವ ಗಮನ ಹೆಚ್ಚಿಸುವುದರಲ್ಲಿ ಸಹಾಯ ಮಾಡುತ್ತದೆ. ಈ ದಿನದ ಉದ್ದೇಶವು ಜಗತ್ತಿನಲ್ಲಿ ಜನರನ್ನು ಹೆಚ್ಚು ತಿಳಿಯದೆ, ಹೈಪರ್ಟೆನ್ಸನ್ ರೋಗವು ಯಾವ ರೀತಿ ಮತ್ತು ನಿರ್ವಹಿಸುವುದು ಎಂಬುದರ ಬಗ್ಗೆ ಶಿಕ್ಷಣ ನೀಡುವುದರಲ್ಲಿದೆ. ಇದು ರಕ್ತದೊತ್ತಡವನ್ನು ನಿಯಂತ್ರಿಸುವುದರಲ್ಲಿ ಕುಂದುಹಾಕುವುದು ಮತ್ತು ಹೈಪರ್ಟೆನ್ಸನ್ ರೋಗದ ಹರಿತ ಪ್ರತಿರೋಧ ಕ್ರಿಯೆಗಳನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುವುದಾಗಿದೆ. ಸಮಾಜದಲ್ಲಿ ತಿಳಿದುಕೊಳ್ಳುವುದು ಮತ್ತು ನಿಯಂತ್ರಿಸುವುದು ಹೈಪರ್ಟೆನ್ಸನ್ ವಿಚಾರದಲ್ಲಿ ಮುಖ್ಯವಾಗಿದೆ. ವಿಶ್ವ ಹೈಪರ್ಟೆನ್ಸನ್ ದಿನದ ಆಚರಣೆಯಿಂದ, ಜನರು ತಮ್ಮ ರಕ್ತಪ್ರೇಶರ್ ಮಟ್ಟವನ್ನು ತಿಳಿಯಲು ಮೊದಲು ಮಾಡುತ್ತಾರೆ ಮತ್ತು

ಆರೋಗ್ಯಕ್ಕೆ ಅನುಕೂಲವಾದ ನಡೆಗಳನ್ನು ಹಾಕುತ್ತಾರೆ. ಆರೋಗ್ಯಕರ ಜೀವನಕ್ಕಾಗಿ ಕಡಿಮೆ ಉಪ್ಪನ್ನು ತಿನ್ನುವುದು ಉತ್ತಮ ಎಂದು ಡಾ.ರಾಜೇಶ್ ಕುಲಕರ್ಣಿ, ಎನ್‌ಎಸ್‌ಎಸ್‌ ಸಂಯೋಜನಾಧಿಕಾರಿ ಘಟಕ 1 ಹಾಗೂ ಸಹ ಪ್ರಾಧ್ಯಾಪಕರು, ಸಮುದಾಯ ವೈದ್ಯಕೀಯ ವಿಭಾಗ, ಜಿ.ಎನ್.ಮೆಡಿಕಲ್ ಕಾಲೇಜು, ಬೆಳಗಾವಿ ಸಲಹೆ ನೀಡಿದರು. ವಂಟಮುರಿ ಪಿಎಚ್‌ಸಿ ವೈದ್ಯಾಧಿಕಾರಿ ಡಾ.ಸೌದಾಗರ್ ಮಾತನಾಡಿ ಸರಿಯಾದ ಪ್ರಮಾಣದಲ್ಲಿ ಆಹಾರ ಸೇವನೆ ಮತ್ತು ನಿತ್ಯ ಏಹಾರದಿಂದ ನಾವು ಮದುಮೇಹ ಹಾಗೂ ಅಧಿಕ ದೂರ ಇರಬಹುದು ಎಂದು ತಿಳಿಸಿದರು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಗ್ರಾಮದ ಜನರ ಬಿಪಿ ಹಾಗೂ ಶುಗರ್ ಪ್ರಮಾಣವನ್ನು ಉಚಿತವಾಗಿ ಪರೀಕ್ಷೆ ಮಾಡಿ ಚಿಕಿತ್ಸೆಯನ್ನು ನೀಡಲಾಯಿತು ಎನ್. ಎಸ್.ಎಸ್. ಘಟಕದ ಕಾರ್ಯದರ್ಶಿಗಳಾದ ಶ್ರೀಯಾ, ಆಕಾಶ್ ಹಾಗೂ ಸ್ವಯಂ ಸೇವಕರಾದ ವೇದವ, ಹಾಗೂ ಮನೋಜ್, ಆಶಾ ಕಾರ್ಯಕರ್ತೆಯರು ಮತ್ತು ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರ ವಂಟಮುರಿಯ ಸಿಬ್ಬಂದಿ ಮಹಾದೇವ ಕುಂಬಾರ್, ಮಂಜುನಾಥ್ ಸಾಂಬ್ರಾಣಿ ಅವರು ಉಪಸ್ಥಿತರಿದ್ದರು.



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## International Yoga Day

	Particulars	Information
1.	Name of the program	International Yoga Day
2.	Program organized by Department	NSS Unit – 1
3.	Department / Association / Cell involved	Community Medicine
4.	Date	20/06/2024
5.	Duration	6:00pm to 7:00pm
6.	Location	JN Medical College Hostels, Belagavi
7.	Objective of the program	To create awareness among the students about the importance of maintaining good health with the practice of yoga
8.	Activities carried out during the program	<ol style="list-style-type: none"><li>1. Students actively participated and performed several yoga poses in both the boys and girls hostel.</li><li>2. Yoga pledge was also taken by the volunteers to make sure they would indulge in yoga more frequently.</li></ol>
9.	No. of Students Participated	6
10.	No. of Teachers Participated	1
11.	No of volunteers present	20
12.	No. of Beneficiaries benefited from the program	20
13.	Photos	Attached
14.	Press Clippings	-



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## EXPERIENTIAL LEARNING

### ICO-Ophthalmology Surgical Competency Assessment Rubric -SICS (ICO-OSCAR: SICS)

Since 2021 we have implemented the International Council of Ophthalmology's Ophthalmology Surgical Competency Assessment Rubric for Small Incision Cataract Surgery as a self Assessment tool in the Surgical training of postgraduate student in Ophthalmology. the specific behavioral narrative anchors in the rubric provide raters with objective benchmarks for comparative purposes and provides the learners with specific targets for behavioral change.

The OSCAR Sheets are given to the Postgraduate students at specific intervals for self Assessment and are then evaluated by faculty.

It also helps faculty in guiding the postgraduate students to achieve Surgical skills required at the end of their residency program that is to be competent enough to perform a small incision cataract surgery.

Figure 1

**ICO-Ophthalmology Surgical Competency Assessment Rubric-SICS (ICO-OSCAR: SICS)**

Date _____					
Resident _____					
Evaluator _____					
	Novice (score = 2)	Beginner (score = 3)	Advanced Beginner (score = 4)	Competent (score = 5)	Not applicable. Done by preceptor (score= 0)
1 Draping:	Unable to start draping without help.	Drapes with minimal verbal instruction. Incomplete lash coverage.	Lashes mostly covered, drape at most minimally obstructing view.	Lashes completely covered and clear of incision site, drape not obstructing view.	
2 Scleral access & Cauterization	Unable to successfully access sclera. Cauterization insufficient or excessive both in intensity and localization.	Accesses sclera but with difficulty and hesitation. Cauterization insufficient or excessive in location or intensity.	Achieves good scleral access with mild difficulty. Adequate cauterization.	Precisely and deftly accesses sclera. Appropriate and precise cauterization.	
3 Sclerocorneal Tunnel	Inappropriate incision depth, location, and size, hesitant dissection. Iris prolapse may occur	One of the following correct: incision depth, location or size. Able to dissect forward but not able to perceive depth	Two of the following are correct: incision depth, location or size. Understands that tunnel depth is incorrect but unable to correct.	Good incision depth, location and size. Tunnel constructed at right plane, if inappropriate plane, able to rectify.	
4 Corneal entry	Hesitant keratome entry into AC. Unable to extend the internal valve. Significant shallowing of anterior chamber. Require wound extension or suturing.	Enters into AC but difficulty in extension. Follows a different plane. Entry either anterior or posterior to dissection site. Mild AC shallowing. Require wound extension or suturing.	Entry at right plane. Able to extend but with repeated use of viscoelastic. Internal valve irregular. Require wound extension or suturing.	Fluently enters in right plane. Wound length adequate with no further need for extension. Retains viscoelastic during extension. Self-sealing, provides good access for surgical maneuvering.	
5 Paracentesis & Viscoelastic insertion	Chamber collapses on performing paracentesis. Inappropriate width, length and location. Pierces anterior capsule on entry. Unsure of when, what type and how much viscoelastic to use. Has difficulty accessing anterior chamber through paracentesis.	Appropriate incision width, location or length. Anterior chamber shallows mildly. Requires minimal instruction. Knows when to use but administers incorrect amount or type of viscoelastic.	Inappropriate location, width or length. Anterior chamber almost stable. Requires no instruction. Administers viscoelastic at appropriate time, amount, type, and cannula position.	Wound of adequate length, width, and correct location. Viscoelastics administered in appropriate amount, at appropriate time, with cannula tip clear of lens capsule and endothelium.	
6 Capsulorrhexis: Commencement of Flap & follow-through.	Instruction required, tentative, chases rather than controls rhexis, cortex disruption may occur.	Minimal instruction, occasional loss of control of rhexis, cortex disruption may occur.	In control, few awkward or repositioning movements, no cortex disruption.	Delicate approach and confident control of the rhexis, no cortex disruption.	
7 Capsulorrhexis: Formation and Circular Completion	Size and position are inadequate for nucleus density, tear may occur.	Size and position are barely adequate for nucleus density, difficulty achieving circular rhexis, tear may occur.	Size and position are almost exact for nucleus density, shows control, and requires only minimal instruction.	Adequate size and position for nucleus density, no tears, rapid, unaided control of radialization, maintains control of the flap and AC depth throughout the capsulorrhexis.	
8 Hydrodissection: Visible Fluid Wave and Free prolapse of one pole of nucleus	Hydrodissection fluid not injected in quantity or place to achieve nucleus rotation or prolapse.	Multiple attempts required, able to prolapse nuclear pole after multiple efforts. Manually forces nucleus prolapse before adequate hydrodissection; cheese wiring.	Fluid injected in appropriate location, able to prolapse one pole of nucleus but encounters more than minimal resistance.	Ideally see free fluid wave, adequate for free nuclear hydroprolapse or mechanical prolapse with minimal resistance. Aware of contraindications to hydrodissection.	
9 Prolapse of nucleus completely into AC	Unable to dial nucleus into AC. Hooks anterior or posterior nuclear surface, nucleus rotates in the bag, iris	Prolapses nucleus after repeated awkward attempts, needs instruction, churns cortex causing reduced visibility;	Prolapses nucleus into AC with more than minimal resistance. No corneal touch.	Prolapse with minimal resistance. No damage to pupil and iris.	





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		and corneal touch, pupillary constriction, may damage capsule or zonules.	iris or corneal touch; no damage to capsule or zonules.			
10	Nucleus extraction	Damages endothelium, iris or capsule, unable to hold and extract nucleus, movements not coordinated.	Movements coordinated but unable to extract nucleus, iris or corneal damage, unable to assess wound size in relation to nuclear density.	Removes nucleus after repeated attempts, more than one piece, might need wound extension prior to extraction.	Extracts nucleus with one or two attempts; proper wound size in relation to nuclear density.	
11	Irrigation and Aspiration Technique With Adequate Removal of Cortex	Great difficulty introducing the aspiration tip under the capsulorrhexis border, aspiration hole position not controlled, cannot regulate aspiration flow as needed, cannot peel cortical material adequately, engages capsule or iris with aspiration port.	Moderate difficulty introducing aspiration tip under capsulorrhexis and maintaining hole up position, attempts to aspirate without occluding tip, shows poor comprehension of aspiration dynamics, cortical peeling is not well controlled, jerky and slow, capsule potentially compromised. Prolonged attempts result in minimal residual cortical material.	Minimal difficulty introducing the aspiration tip under the capsulorrhexis, aspiration hole usually up, cortex will engaged for 360 degrees, cortical peeling slow, few technical errors, minimal residual cortical material. Some difficulty in removing sub incisional cortex	Aspiration tip is introduced under the free border of the capsulorrhexis in irrigation mode with the aspiration hole up, Aspiration is activated in just enough flow as to occlude the tip, efficiently removes all cortex. The cortical material is peeled gently towards the center of the pupil, tangentially in cases of zonular weakness. No difficulty in removing subincisional cortex	
12	Lens Insertion, Rotation, and Final Position of Intraocular Lens	Unable to insert IOL.	Difficult insertion, manipulation of IOL, rough handling, unstable anterior chamber. Repeated hesitant attempts placing lower haptic in capsule, repeated attempts rotate upper haptic d into place with excessive force.	Insertion and manipulation of IOL accomplished with minimal anterior chamber instability, the lower haptic is placed with some difficulty, upper haptic is rotated with some stress.	Insertion and manipulation of IOL is performed in a deep, and stable anterior chamber and capsular bag, with incision appropriate for implant type. The lower haptic is smoothly placed inside the capsular bag; the upper haptic is rotated or gently bent and inserted into place without exerting excessive stress to the capsulorrhexis or the zonule fibers.	
13	Wound Closure (Including Suturing, Hydration, and Checking Security as Required)	If suturing is needed, instruction is required and stitches are placed in an awkward, slow fashion with much difficulty, astigmatism, bent needles, incomplete suture rotation and wound leakage may result, unable to remove viscoelastics thoroughly, unable to make incision watertight or does not check wound for seal. Improper final IOP.	If suturing is needed, stitches are placed with some difficulty, resuturing may be needed, questionable wound closure with probable astigmatism, instruction may be needed, questionable whether all viscoelastics are thoroughly removed, Extra maneuvers are required to make the incision water tight at the end of the surgery. May have improper IOP.	If suturing is needed, stitches are placed with minimal difficulty tight enough to maintain the wound closed, may have slight astigmatism, viscoelastics are adequately removed after this step with some difficulty, The incision is checked and is water tight or needs minimal adjustment at the end of the surgery. May have improper IOP.	If suturing is needed, stitches are placed tight enough to maintain the wound closed, but not too tight as to induce astigmatism, viscoelastics are thoroughly removed after this step, the incision is checked and is water tight at the end of the surgery. Proper final IOP.	
14	Global Indices Wound Neutrality and Minimizing Eye Rolling and Corneal Distortion	Nearly constant eye movement and corneal distortion.	Eye often not in primary position, frequent distortion folds.	Eye usually in primary position, mild corneal distortion folds occur.	The eye is kept in primary position during the surgery. No distortion folds are produced. The length and location of incisions prevents distortion of the cornea.	
15	Eye Positioned Centrally Within Microscope View	Constantly requires repositioning.	Occasional repositioning required.	Mild fluctuation in pupil position.	The pupil is kept centered during the surgery.	
16	Conjunctival and Corneal Tissue Handling	Tissue handling is rough and damage occurs.	Tissue handling borderline, minimal damage occurs.	Tissue handling decent but potential for damage exists.	Tissue is not damaged nor at risk by handling.	
17	Intraocular Spatial Awareness	Instruments often in contact with capsule, iris, corneal endothelium;	Occasional contact with capsule, iris, corneal endothelium; sometimes has	Rare contact with capsule, iris, endothelium. Often has blunt second hand	No accidental contact with capsule, iris, corneal endothelium. Blunt,	

2

		blunt second instrument not kept in appropriate position.	blunt second instrument in appropriate position.	instrument in appropriate position.	second hand instrument, is kept in appropriate position.	
18	Iris Protection	Iris constantly at risk, handled roughly.	Iris occasionally at risk. Needs help in deciding when and how to use hooks, ring or other methods of iris protection.	Iris generally well protected. Slight difficulty with iris hooks, ring or other methods of iris protection.	Iris is uninjured. Iris hooks, ring, or other methods are used as needed to protect the iris.	
19	Overall Speed and Fluidity of Procedure	Hesitant, frequent starts and stops, not at all fluid.	Occasional starts and stops, inefficient and unnecessary manipulations common, case duration about 60 minutes.	Occasional inefficient and/or unnecessary manipulations occur, case duration about 45 minutes.	Inefficient and/or unnecessary manipulations are avoided, case duration is appropriate for case difficulty. In general, 30 minutes should be adequate.	

Comments: \_\_\_\_\_



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**OSCAR SICS SCORE JUNIOR BATCH**

SR NO	NAME	PRE OSCAR (JULY 2023)	POST OSCAR (DEC2023)	% CHANGE
1.	Dr. CELIANNE	30	50	21.1 %
2.	Dr. PRADHOSH	32	43	11.5%
3.	Dr. VATSALA	4	16	12.6%
4.	Dr. B.K. JAYANTH	43	44	1.3%
5.	Dr. TANU	7	8	1.1%
6.	Dr. SHUBHRA	40	49	9.4%
7.	Dr. RITIKA	46	47	1.1%
8.	Dr. UMANG	4	38	35.8%
9.	DR. SHALAKA	38	42	4.2%
10.	DR. POOJAN	53	65	12.7%
11.	Dr. SHREYA	5	16	11.6%
12.	Dr. CHAITRA	54	47	↓7.3%
13.	DR. RUCHI	2	4	2.1%

**Average PRE OSCAR Score: 27.5**

**Average POST OSCAR Score: 36.07**

**OSCAR SICS SCORE SENIOR BATCH**

SR NO	NAME	PRE OSCAR (NOV 2022)	POST OSCAR (DEC 23)	% CHANGE
1	DR. SAMVEDYA	51	66	15.8%
2	DR. ASHLEY	7	60	55.8%
3	DR. KEERTI	10	52	44.2%
4	DR. MEHAK	11	63	54.8%
5	DR. RESHMA	33	67	35.8%
6	DR. ZEEL	44	52	8.43%
7.	DR. NISARG	43	68	26.3%
8.	DR. ASHITHA	36	67	32.7%
9.	DR. MUSKAN	38	48	10.5%
10	DR. SUGANYA	42	66	25.2%



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11	DR. YESHA	11	50	41.1%
12	DR. ANNU	42	48	6.3%
13	DR. MONA	5	67	65.3%
14.	DR. SURUMY	29	56	28.4%
15	DR. SWIKRITY	41	62	22.1%

**Average PRE OSCAR Score: 29.5**

**Average Post OSCAR Score: 59.4**





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## **Department of Forensic Medicine**

### **Internship Posting at Advance Simulation Centre & Clinical Skill Laboratory**

Interns are posted to Advance Simulation Centre & Clinical skill Laboratory to gain knowledge on the topic – “Examination of Mechanical Injuries & issuing Injury certificates” from 10.00 am to 11.00 am on 4<sup>th</sup>,18<sup>th</sup>,25<sup>th</sup> May,8<sup>th</sup>,7<sup>th</sup>,15<sup>th</sup>,29<sup>th</sup> June 2024, which was conducted by the Department of Forensic Medicine & Toxicology.

63 students attended the same and took use of the Skill Lab to the fullest in which they learned how to examine mechanical injuries in Simulated environment and also discussed how to issue an injury





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certificate. They were guided by the staff of Department of Forensic Medicine & toxicology.



## Department of Anaesthesia

### SIMULATION CENTRE AND SKILLS LAB

For years, pilots have been trained and tested in realistic, full-scale aircraft simulators. Now, analogous technology is being used for medical education. KLE's Simulation centre is a facility dedicated to providing interprofessional learning opportunities in a high-tech, realistically simulated, dynamic, controlled environment.



Simulation is used to augment clinical experience and allow the safe acquisition of skills. It is used not only for assessment purposes, but also for practice or rehearsal of scenarios prior to actual patient care. Areas of the curriculum where clinical exposure may be lacking e.g. anaphylaxis or malignant hyperpyrexia, may be addressed using simulation.

Effective simulation can:

- Train and ingrain new skills: learning routines and steps that together comprise a complex skill.
- Reinforce drills: teach and test the learner's response to specific critical incidents
- Develop professional behaviour and the non-technical skills necessary for expert anaesthetic practice

#### Simulation Training at Department of Anaesthesia, JNMC, Belagavi

Various clinical case scenarios are conducted using high fidelity simulators i.e.-

1. Apollo- Adult male simulator used for simulating physiological and pathological clinical scenarios like myocardial infarction, bronchial asthma, various arrhythmias, pneumothorax, ARDS, hypotension, shock, seizures, etc.
2. Lucina- Child birth simulator for PPH, shock, retained placenta, etc.
3. Luna- Neonatal simulator for newborn resuscitation and other complications in a neonate.
4. *Resusci-Anne* and *Resusci Anne adv skill trainer* – Helps in elevating CPR training to a new level of precision and proficiency.



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## Skills Lab at Department of Anaesthesiology, JNMC, Belagavi

Regular sessions are conducted since 2009 for all UG, PG and paramedical students, interns, dentists, nursing staff and general public.

BLS and ACLS, PALS and NALS are conducted along with a pre- and post- assessment test.

Procedures like IV cannulation, spinal anaesthesia, epidural anaesthesia, intramuscular injections, endotracheal intubation and USG based procedures are taught on various manikins





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Regular sessions are conducted since 2009 for all UG, PG and paramedical students, interns, dentists, nursing staff and general public.

BLS and ACLS, PALS and NALS are conducted along with a pre- and post- assessment test.

Procedures like IV cannulation, spinal anaesthesia, epidural anaesthesia, intramuscular injections, endotracheal intubation and USG based procedures are taught on various manikins

### KLE Advanced Simulation center time table

Sl. No	Date	PG students	Topic	Name of the staff
1.	23.01.2024	Anaesthesia 1st year PG students	Airway anatomy and Intubation	Dr Raghavendra
2.	24.01.2024	Anaesthesia 2nd year PG students	Case based scenario- Apollo (High spinal)	Dr Purvashree
3.	26.02.2024	Anaesthesia 1st year PG students	Spinal and Epidural anaesthesia	Dr.Guruprasad
4.	27.02.2024	Anaesthesia 2nd year PG students	Case based scenario- Apollo (High spinal)	Dr. Nikhita
5.	27.03.2024	Anaesthesia 3rd year PG students	Case based scenario- Apollo (Intraoperative Arrhythmias)	Dr.Nikhita





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6.	22.03.2024	Anaesthesia 1st year PG students	BLS and ACLS	Dr.Mahantesh
7.	15.04.2024	Anaesthesia 2nd year PG students	Central line insertion and Tap Block	Dr.Anashika Kataria
8.	22.04.2024	Anaesthesia 3rd year PG students	Case based scenario- Apollo (Intraoperative Arrhythmias)	Dr.Anashika Kataria
9.	13.05.2024	Anaesthesia 2nd year PG students	Central line insertion and Tap Block	Dr.Vinayaka Jannu
10.	20.05.2024	Anaesthesia 3rd year PG students	Case based scenario- Apollo (Intraoperative Anaphylaxis)	Dr.Priyanka
11.	10.06.2024	Anaesthesia 3rd year PG students	Case based scenario- Apollo (Intraoperative Anaphylaxis)	Dr.Ravi Kerur
12.	24.06.2024	Anaesthesia 2nd year PG students	Neonatal resuscitation	Dr.Manjunath S.

## IMPACT

A feedback received among the participants after the training experience showed that 97.5% out of all agreed it will be useful in their work.96.3% found the teaching method clear and easy to follow.





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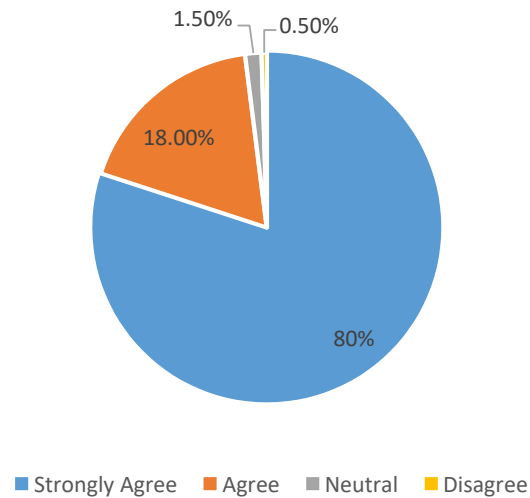
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The training experience will be useful in my work





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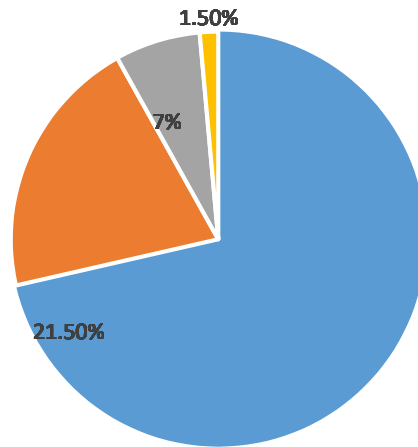
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The teaching method used was clear and easy to follow



Dr. Rajesh S. Mane  
Prof. & HOD of Anaesthesiology  
J. N. Medical College, Belagavi



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## INTEGRATED /INTERDISCIPLINARY LEARNING

### 1. Integrated Learning

#### MBBS PHASE II

Integrated learning from **January to June -2024**

Date	Topic
22/01/24 to 27/01/24	Anaemia



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1/04/24 to 6/04/24	<b>Tuberculosis</b>
20/05/24 to 25/05/24	<b>Diabetes Mellitus</b>
27-05-2024 to 1-6-2024	<b>HIV</b>



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## INTEGRATED /INTERDISCIPLINARY LEARNING

### Time table

					Act (Batch B)
Friday 24 May 2024	IM6.13 <u>Vibro Cholera</u>	Clinical Posting *	FM 3.7 & 3.8 Mechanical Injuries (General Surgery) (Ortho)		Pharmacology (Batch B) Prescription writing - Endocrinology
Saturday 25 May 2024	SU9.2(VI-RT) Principles of Surgical Oncology	9am - 11am Integrated Assessment Diabetes Mellitus	11-2pm <u>AETCOM</u> Module 2.7 Forensic medicine		SGT - FM 14.4 Age estimation from physical dental and radiological examination (Batch A)
					Pandemic Management Module / Sports and <u>Extra Curricular</u> Activities

Friday 31 May 2024	IM 4.3 Brucellosis	Clinical Posting *	SDL 5 FM 3.4 IPC's related to injuries. (General Surgery)		Pharmacology [Batch B] Practicals PH 5.3 Communication with patient regarding adherence to medication
Saturday 1 June 2024	SU 3.1 to 3.3 Blood, Blood component s & Transfusio n	9am - 11am Integrated Assessment HIV	11-1pm <u>AETCOM</u> Module 2.7 Forensic medicine		CM 3.7 SGT – Mosquitoes
					Pandemic Management Module / Sports and <u>Extra Curricular</u> Activities



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## INNOVATIVE TEACHING LEARNING METHODOLOGIES:

### 1. QUIZ BASED LEARNING: KAHOOT

Self directed learning (SDL) is a teaching learning strategy that requires active involvement of students with major onces of studies on students. SDL encompasses various methods that are interactive and involve critical thinking, logical reasoning, research , all leading to deeper understanding of the subject.

Haemodynamic disorders is one of the important topics in pathology which requires indepth understanding of pathogenesis and processes to conceptualize the subject in the minds of the learners for a better clinical application. Hence, we used concept mapping followed by quiz for the topic of haemodynamics.

#### Methods used (How it is developed)

It was discussed in the department of pathology to use the following for SDL.

Development of concept maps by students for

1. Thrombosis
2. Embolism
3. Edema
4. Infarction
5. Shock

This will be followed by quiz using KAHOOT app.

#### Implementation Process.

##### 1<sup>st</sup> Session of SDL

- 1.Objectives were developed by students under the guidance of faculty (Dr Sunita Y Patil).
2. Students were oriented developing concept maps.

##### 2<sup>ND</sup> Session of SDL



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Students were divided into a group of 10, each group was assigned to develop a concept map of their choice.

In 30 mins, students developed various concept maps of the processes of Thrombosis, Edema, Shock Emboli and Infarct.

This was followed by quiz on KAHOOT app consisting of 30 Questions in the following format (Using KAHOOT app)

- MCQ.
- True or False
- Fill in the blanks
- Identify the image

There was a scoreboard that was displaying the top 5 scores on the screen. The top 5 scores were awarded with certificate of appreciation & Prizes.

## Feasibility

It was feasible with the help of tutors, each tutor monitoring a group of students and guiding them. The quiz was feasible with the paid version of KAHOOT app.

## Impact

Students enjoyed the innovative teaching learning methods of concept mapping and quiz. They mentioned that they had a better and indepth understanding of the subject which they learnt in an enjoyable way.





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## THE HUMANITIES :

### AETCOM Professional Year I

Sl. No	Subjects	No. of Hours	Topics	Competencies
1.	Anatomy	8	Cadaver as our first teacher Foundation of Communication – i	1.5 1.4
2.	Physiology	8	Commitment to Lifelong Learning – part of physician growth AETCOM ASSESMENT & FEEDBACK	1.1 -I 1.1 -II 1.1 -II
3.	Biochemistry	6	What does it mean to be a patient? What does it mean to be a patient? What does it mean to be a patient?	1.2

### Professional Year II

Sl. No	Subjects	No. of Hours	Topics	Competencies
1.	Pathology	5	O r i e n t a t i o n t o A E T C O M m o d u l e 2.1	AETCOM Module 2.1
			Foundation of Communication	AETCOM Module 2.1
		6	what does it mean to be a family member of a sick patient? Pathology	AETCOM Module 2.8
4.	Forensic	1 Hour	AETCOM Module 2.2 Forensic medicine Foundations of Bioethics	FM-2.2
		3	Bioethics-Case studies on Patient autonomy and decision making (Forensic Medicine)	FM-2.7
6.	Pharmacology	06	Bioethics continued – Case studies on patient autonomy and decision making	Module 2.5
		06	Bioethics continued: Case studies	Module 2.6



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			on autonomy and decision making	
8.	Microbiology	2	Health care as a Right.	2.3
		6	Working in Health Care Team. Assessment of Module 2.3 & 2.4	Module 2.4
		3	Demonstration of respect to patient sample sent for laboratory investigation	MI 8.11
		3	Confidentiality pertaining to patient's identity in laboratory result	MI 8.12, MI 8.14

## Professional Year III (III/I)

Sl. No	Subjects	No. of Hours	Topics	Competencies
1.	Ophthalmology	5	Introduction of the case Anchoring lecture – Division of roles for play Self-directed learning + ORIGIN OF BIO ETHICS - ESSAY + Role play According to Batches Discussion and closure of case	AETCOM 3.2
2.	ENT & HNS	5	Introductory small group session Focused small group session Skills Lab session	AETCOM 3.2
5.	Community Medicine Community Medicine	6	1. Principles of Communication with focus on dealing with emotions – Lecture 2. Two Videos 3. Observe, critique and discuss common mistakes when dealing with emotion. 1. Discussion of Kalamazoo consensus statement 2. Allotment of Two Scenarios 3. Assessment of communication process with patients in an empathetic manner.	AETCOM 3.1
6.	Orthopaedics	6	Demonstrate the ability to counsel patients regarding	OR14.1



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			prognosis in patients with various orthopedic illnesses like a. fractures with disabilities b. fractures that require prolonged bed stay c. bone tumours d. congenital disabilities	
			Demonstrate the ability to counsel patients to obtain consent for various orthopedic procedures like limb amputation, permanent fixations etc..	OR14.2
			Demonstrate the ability to convince the patient for referral to a higher centre in various orthopedic illnesses, based on the detection of warning signals and need for sophisticated management	OR14.3
9.	Dermatology	4	-Counsel in a non-judgemental and empathetic manner patients on prevention of sexually transmitted disease -Counsel a case of leprosy in an empathetic manner patients on prevention of deformities	DR 10.5 DR 9.2

## Professional Year IV (III/II)

Sl. No	Subjects	No. of Hours	Topics	Competencies
1.	General Medicine	6	The foundations of communication – 5	Module 4.1
		4	Case studies in ethics and the doctor - industry relationship	Module 4.6
2.	General Surgery	5 hours	Case studies in medico- legal and ethical situations	Module 4.3
		5 hours	Case studies in ethics empathy and the doctor-patient relationship	Module 4.4



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3.	OBG	4 hours	Identify, discuss and defend medico-legal, socio-cultural, professional and ethical issues pertaining to medical negligence, Identify, discuss and defend medico-legal, socio-cultural, professional and ethical issues pertaining to malpractice	OG 20.3
		5 hours	Module 4.2: Case studies in medico-legal and ethical situations Identify, discuss and defend medico-legal, socioeconomic and ethical issues as it pertains to abortion / Medical Termination of Pregnancy and reproductive rights	OG 20.1, 20.2
4.	Anaesthesiology	1	HISTORY OF ANAESTHESIA, GOALS, ETHICS AND SCOPE IN ANAESTHESIA	AS 1.1, AS 1.3
5.	Pediatric	2 Hours	AETCOM	Module 4.7
		2 Hours	Ethics and Patients Autonomy Dealing With Death	Module 4.8

**Dr. (Mrs) N. S. Mahantashetti**  
**Principal,**  
**J. N. Medical College, Belagavi**



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## THE HUMANITIES :

### CINEMEDUCATION TO PROMOTE PROFESSIONALISM AMONG MEDICAL UNDERGRADUATES

#### Introduction

Doctor patient relationship is one of the most important attributes of professionalism. This Teaching Learning methodology tries to introduce students towards doctor patient relationship with more emphasis on 'Empathy' and it is done using 'Patch Adams movie' clips which were downloaded from the YouTube.

#### Steps in Cinemeducation

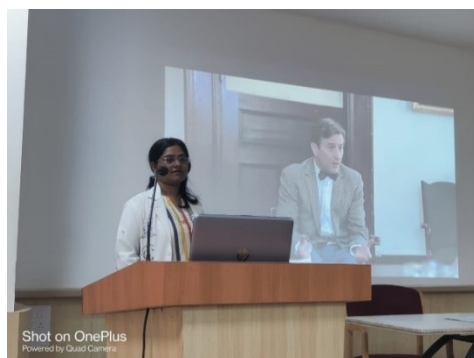
**First step** – Students were briefed about professionalism with interactive lecture.

**Second step** – Gibbs reflection cycle was explained with suitable examples to students.

**Third step** – Introduced to five clips from Patch Adams movie ranging from 2 – 9 minutes average duration.

**Fourth step** – Group discussion was done by facilitator about the clips.

**Fifth step** – Students were asked to reflect on the experience.







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*Dr. Meenakshi*

Prof. & Head,  
Dept. of Community Medicine,  
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## Department of Forensic Medicine & Toxicology.

### Internship Posting at Advance Simulation Centre & Clinical Skill Laboratory

Interns are posted to Advance Simulation Centre & Clinical skill Laboratory to gain knowledge on the topic – “Examination of Mechanical Injuries & issuing Injury certificates” from 10.00 am to 11.00 am on 6<sup>th</sup> July, 3<sup>rd</sup> & 24<sup>th</sup> August & 14<sup>th</sup> Sept. 2024, which was conducted by the Department of Forensic Medicine & Toxicology.

48 students attended the same and took use of the Skill Lab to the fullest in which they learned how to examine mechanical injuries in Simulated environment and also discussed how to issue an injury certificate. They were guided by the staff of Department of Forensic Medicine & toxicology.





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## Department of Pathology

### Card based teaching learning methodology

Card based teaching learning methodology was conducted for 100 students of Phase 2 MBBS students of 2023-2024 batch on the topic Chronic obstructive pulmonary diseases.

Step 1 - Pre test was given in the form of MCQs

Step 2- Rules of the game based teaching learning method was explained to the students.

Step 3- Students were divided into group of 8 each.

Step 4- The shuffled cards with salient features of all 4 COPDs were distributed to the students with total of 32 cards (8 cards of each disease) for each group

Step 5- Students were told to discuss & segregate and compile the cards with salient features of individual COPDs.

Step 6 – Faculty discussed all the 4 COPDs with students and they were told to cross check with what they had compiled.

Step 7 – Again the cards were shuffled & students were told to re assemble the cards after discussion, so as to make sure they have learnt.

Step 8 – Students were rewarded with chocolates on completion of activity correctly & quickly.

Step 9 – Post test was given in the form of MCQs.

Step 10 – Feedback was taken and all the students gave a very good feedback.

This method was effective and showed significant difference in the performance of students in pretest (**Average score 4.5/10**) and post test (**Average score 7.5/10**)



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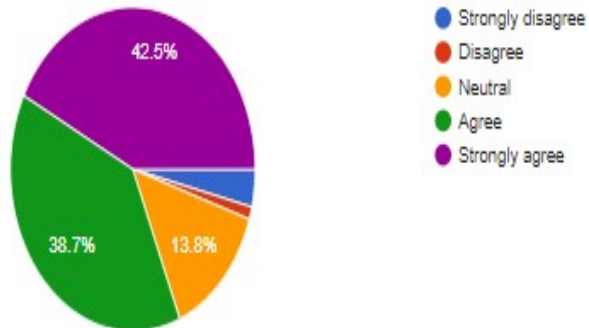
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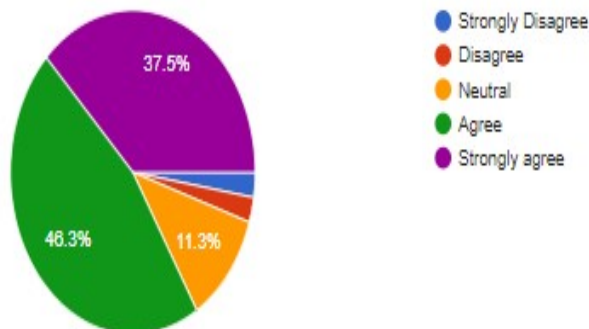
1. The learning activity by CARD based method was an interesting experience

80 responses



2. I was able to apply what I had learnt in the theory class during CARD based learning

80 responses







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## Department of Anaesthesia

### SIMULATION CENTRE AND SKILLS LAB

For years, pilots have been trained and tested in realistic, full-scale aircraft simulators. Now, analogous technology is being used for medical education. KLE's Simulation centre is a facility dedicated to providing interprofessional learning opportunities in a high-tech, realistically simulated, dynamic, controlled environment.

Simulation is used to augment clinical experience and allow the safe acquisition of skills. It is used not only for assessment purposes, but also for practice or rehearsal of scenarios prior to actual patient care. Areas of the curriculum where clinical exposure may be lacking e.g. anaphylaxis or malignant hyperpyrexia, may be addressed using simulation.

Effective simulation can:

- Train and ingrain new skills: learning routines and steps that together comprise a complex skill.
- Reinforce drills: teach and test the learner's response to specific critical incidents
- Develop professional behaviour and the non-technical skills necessary for expert anaesthetic practice

### Simulation Training at Department of Anaesthesia, JNMC, Belagavi

Various clinical case scenarios are conducted using high fidelity simulators i.e.-

2. Apollo- Adult male simulator used for simulating physiological and pathological clinical scenarios like myocardial infarction, bronchial asthma, various arrhythmias, pneumothorax, ARDS, hypotension, shock, seizures, etc.
3. Lucina- Child birth simulator for PPH, shock, retained placenta, etc.
4. Luna- Neonatal simulator for newborn resuscitation and other complications in a neonate.
5. *Resusci-Anne* and *Resusci Anne adv skill trainer* – Helps in elevating CPR training to a new level of precision and proficiency.



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## Skills Lab at Department of Anaesthesiology, JNMC, Belagavi

Regular sessions are conducted since 2009 for all UG, PG and paramedical students, interns, dentists, nursing staff and general public.

BLS and ACLS, PALS and NALS are conducted along with a pre- and post- assessment test.

Procedures like IV cannulation, spinal anaesthesia, epidural anaesthesia, intramuscular injections, endotracheal intubation and USG based procedures are taught on various manikins



Dr. Rajesh S. Mane

Prof. & HOD of  
Anaesthesiology



# JAWAHARLAL NEHRU MEDICAL COLLEGE

*KLE Academy of Higher Education & Research*

*(Deemed-to-be-University)*

NEHRUNAGAR, BELAGAVI – 590010, KARNATAKA , INDIA

Accredited 'A' Grade by NAAC (2<sup>nd</sup> Cycle)

Place in Category 'A' by MHRD (GoI)

Office - (0831)-2471350

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J. N. Medical College, Belagavi.

## Department of Microbiology

KAHOOT- Assessment for SGT for 2<sup>nd</sup> MBBS students

Gamification is a relatively recent approach to medical education which seeks to use the inherent addictive nature of online gaming positively. Games can be beneficial for academic achievement, motivation, and classroom dynamics. Kahoot! is an online quiz-based learning platform, which was used for assessment in Microbiology.

This study was carried out on the second year MBBS students in the Department of Microbiology at the end of small group discussion. 100 students participated in the quiz. Topic for the discussion and quiz was informed one week prior to the students. Feedback was collected by google form at the end the session. Top three students were rewarded.

Among the several methods of learning and teaching, quizzes are considered to be one of the most effective. Kahoot, digital response systems are quite promising in providing an effective formative assessment platform. When supported with principles of gamification, it creates a sense of competition, motivates and engages learners into lesson. The repetitions through formative assessment activities support students' learning and ensure learning retention.

### Kahoot Time Table

S. No	SGT 1 <sup>st</sup> BLOCK	Batch A	Batch B	Teaching Learning Method
1.	Culture media and methods (MI 1.1)	11/09/2024	04/09/2024	KAHOOT



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		Dr. Laxmi Deshpande	Dr. Ahuti Pandya	
2.	Sterilization and disinfection (MI 1.1 To 1.11)	25/09/2024 Dr. Soumya S	18/09/2024 Dr. Rubina Mulla	KAHOOT





## I. EXPERIENTIAL LEARNING

### 1. Interactive small group discussions

S.No	Particulars	
1	Name of the Program	Interactive small group discussion
2	Programme organized by Department	Oral medicine and Radiology
3	Department / Association / Cell Involved	Oral medicine and Radiology
4	Date	Jan 2024 onwards
5	Duration	1 hour
6	Location	Oral medicine and Radiology, KLE VKIDS
7	Objectives of the Programme	To develop analytic, reasoning and critical thinking skills amongst students
8	Activities carried out during the Programme	Discussion
	No of students participated	IV BDS
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	57
	Photographs	
	<b>Brief Report</b> Small group discussions are conducted on clinically relevant topics, the students are informed about the topic well in advance, topic is discussed by the staff wherein active learning is observed	

## PHOTOGRAPHS



*M. K. Kulkarni*

Prof and Head  
Department of Oral medicine and Radiology

*M. K. Kulkarni*

Principal  
KLE Institute of dental sciences  
Belagavi



## 2. Blended learning

S.No	Particulars	
1	Name of the Program	BLENDED LEARNING (Flipped Classroom)
2	Programme organized by Department	<b>Public health dentistry</b>
3	Department / Association / Cell Involved	<b>Public health dentistry</b>
4	Date	03/05/24
5	Duration	1 hour
6	Location	Third year lecture hall
7	Objectives of the Programme	<b>PIT AND FISSURE SEALANTS</b> 1. Differentiate between types of tooth fissures 2. Identify the indications where Pit and Fissure Sealants can be applied. 3. Understand the procedure of pit and fissure sealant application. 4. Narrate post-operative instructions.
8	Activities carried out during the Programme	
	No of students participated	42
	No of teachers participated	1
	No of beneficiaries benefitted from the programme	42
	<b>Brief Report</b> The study material was shared via WhatsApp in PDF format 8 days before clinical postings. This included an introduction, indications, contraindications, types of fissures, methods of sealant application, and post-operative instructions. Students answered 5 SAQs before the classroom phase. In May 2024, a pre-test (10 MCQs) was conducted. Students, divided into four groups of 10, discussed and presented four pre-framed case scenarios under the supervision of Dr. David Coutinho. A post-test (10 MCQs) was administered at the session's end. Assessment will occur 6 months later with a 20-mark LAQ. Feedback was collected and analyzed through predesigned forms.	

## PHOTOGRAPHS




Head of the department

KLE VK Institute of Dental Sciences

Belagavi, Karnataka



Principal

KLE VK Institute of Dental Sciences

Belagavi, Karnataka

### 3. (a) Bedside teaching

S.No	Particulars	
1	Name of the Program	Bed side teaching
2	Programme organized by Department	<b>Oral &amp; Maxillofacial Surgery</b>
3	Department / Association / Cell Involved	
4	Date	Every Saturday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning and perioperative management of hospitalized patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<p style="text-align: center;"><b>Brief Report</b></p> <p>During every hospital postings, the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.</p>		

### PHOTOGRAPHS



*S. P.*

Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

*Shakale*

Principal  
KLE Institute of Dental Sciences  
Belagavi

### 3. (b) Chair side teaching

S.No	Particulars	
1	Name of the Program	Chair side teaching
2	Programme organized by Department	Oral & Maxillofacial Surgery
3	Department / Association / Cell Involved	Oral & Maxillofacial Surgery
4	Date	Monday to Friday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning on patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<p align="center"><b>Brief Report</b></p> <p>During clinical posting the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.</p>		

### PHOTOGRAPHS



*[Signature]*  
Prof and Head

Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

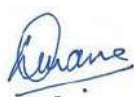
*[Signature]*  
Principal

KLE Institute of Dental Sciences  
Belagavi

## 4. Buddy System

S.No	Particulars	
1	Name of the Program	Buddy System
2	Programme organized by Department	Department of oral pathology and oral Microbiology
3	Department / Association / Cell Involved	Oral pathology
4	Date	4.10.2024
5	Duration	1 hr
6	Location	Department of oral pathology and oral Microbiology
7	Objectives of the Programme	To teach, guide a junior PG s in understanding basic topics, discussion of histopathology slides, teaching carving and histotechniques, assisting in writing synopsis of major and minor projects
8	Activities carried out during the Programme	discussions
	No of students participated	3
	No of teachers participated	3
	No of beneficiaries benefitted from the programme	3
	Photographs	
<b>Brief Report</b> Senior Pgs guide are allotted with junior Pgs as Buddies . To teach, guide a junior PG s in understanding basic topics, discussion of histopathology slides, teaching carving and histotechniques, assisting in writing synopsis of major and minor project		

## PHOTOGRAPHS

Prof and Head  
Department of Oral Pathology and Microbiology  
KLE Institute of Dental Sciences  
Belagavi



Principal  
KLE Institute of Dental Sciences  
Belagavi



## 5. (a) Demonstrations for UG students

S. No	Particulars	
1	Name of the Program	Demonstrations—Lymphnode examination, TMJ examination, IOPA technique
2	Programme organized by Department	Oral medicine and Radiology
3	Department/Association / Cell Involved	Oral medicine and Radiology
4	Date	Jan 2024 onwards
5	Duration	1 hour
6	Location	Oral medicine and Radiology
7	Objectives of the Programme	To develop clinical examination and radiograph making skills
8	Activities carried out during the Programme	Discussion and demonstrations
	No of students participated	44 III BDS
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	44 III BDS
	<b>Brief Report</b>	
	The students undergo demonstrations of IOPA technique when posted in the department to improve their skills.	

## PHOTOGRAPHS



*M. K. Kulkarni*

Prof and Head  
Department of Oral Medicine Radiology  
KLE Institute of Dental Sciences  
Belagavi

*A. K. Kale*

Principal  
KLE Institute of Dental Sciences  
Belagavi



## 5. (b) Demonstrations for PG students

Sl.No	Particulars	
1	Name of the Program	Demonstrations for 1 <sup>st</sup> year MDS students
2	Programme organized by Department	Pediatric and preventive dentistry
3	Department / Association / Cell Involved	Pediatric and preventive dentistry
4	Date	1 <sup>st</sup> 6 months of preclinical training
5	Duration	1 hour each
6	Location	Department of pediatric and preventive dentistry
7	Objectives of the Programme	To facilitate the student to know 1. To learn the morphology of teeth 2. Access cavity preparation and root canal treatment on extracted teeth 3. Restorative exercises Class I & II Cavity preparation. Both conventional and conservative
8	Activities carried out during the Programme	Tooth preparation for restorations. Access cavity preparation & canal location, tooth carving
9	No of students participated	2
10	No of teachers participated	2
11	No of beneficiaries benefitted from the programme	2
13	<b>Brief Report</b> Dr. Vidyavathi Patil, Reader, took discussion on pediatric operative dentistry, tooth carving and pediatric endodontics. The students felt it useful in attaining & enriching their knowledge	

## PHOTOGRAPHS



  
Dr. Chandrshekhhar M Badakar  
Professor & Head

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.

## 6. Community awareness programme

Sl. No.	Particulars	Information
1	Name of the program	World Oral Health Day
2	Program organized by Department	Dept of Oral Medicine and Radiology
3	Department / Association / Cell involved	Dept of Oral Medicine and Radiology
4	Date	20/03/2024
5	Duration	3 Hour
6	Location	ITBP Halabhavi
7	Objective of the program	To celebrate World oral health day and create awareness about oral health and its maintenance.
8	Activities carried out during the program	Health talk and oral dental check up camp
9	No. of Students Participated	6 Interns
10	No. of Teachers Participated	02 Teacher
11	No. of Beneficiaries benefited from the program	95

### Photographs / Paper Clippings ( 2 )

12



*Maheshwar*

Prof and Head  
Department of Oral Medicine Radiology  
KLE Institute of Dental Sciences  
Belagavi

*Shakale*

Principal  
KLE Institute of Dental Sciences  
Belagavi

Sl. No.	Particulars	Information
1.	Name of the program	Camp
2.	Program organized by Department	Public Health Dentistry
3.	Department / Association /Cell involved	Public Health Dentistry
4.	Date	21/08/2024
5.	Duration	1day
6.	Location	NSS Free Dental Health Check-up camp at Chalavanhatti
7.	Objective of the program	To diagnose, screen and identify the oral health issues.
8.	Activities carried out during the program	Screening and oral health education camp
9.	No. of Students Participated	03 PG 03Interns
10.	No. of Teachers Participated	1
11.	No. of Beneficiaries benefited from the program	162
<p align="center"><b>Brief Report :</b></p> <p>Public Health Dentistry conducted at NSS Free Dental Check-up Camp at Chalavanhatti to diagnose, screen and identify the oral health issues</p>		




Prof and Head  
Department of Public Health Dentistry  
KLE Institute of Dental Sciences  
Belagavi




Principal  
KLE Institute of Dental Sciences  
Belagavi

## 7. Early clinical Exposure

S. No	Particulars	
1	Name of the Program	<b>Early Clinical Exposure</b>
2	Programme organized by Department	Dept. of Pediatric and Preventive Dentistry
3	Department / Association / Cell Involved	KLE VKIDS
4	Date	Dates: 30 <sup>th</sup> April, 2024
5	Duration	Time: Batch A -10am-12.30 and Batch B:2pm-4.30pm
6	Location	Pedo Gallery Hall
7	Objectives of the Programme	To sensitize on the departmental cases for II Year BDS Students
8	Activities carried out during the Programme	Lecture on Introduction to Pediatric Dentistry and Behaviour management in Children and also exposure to clinical cases for II Year BDS Students in the department
9	No of children participated	75
10	No of Department teachers participated	01
11	No of beneficiaries benefitted from the programme	75
12	Number of UG & PG participated	
13	Number of Faculty participated	
14	Photographs	
<b>Brief report :</b>		
Dr. Shwetha Kajjari explained the students about the treatments that are provided in the department of Pediatric and preventive dentistry and also sensitized them to the department.		

## PHOTOGRAPHS



  
Dr. Chandrshekhar M Badakar  
Professor & Head

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.



## II. INTEGRATED /INTERDISCIPLINARY LEARNING

### 1. Integrated Learning

S.No	Particulars	
1	Name of the Program	Integrated Teaching learning –
2	Programme organized by Department	Department of Oral Medicine and Radiology
3	Department / Association / Cell Involved	Department of Oral Pathology and Dept. of Oral Surgery
4	Date	May 2024
5	Duration	06 hours
6	Location	KLE VKIDS
7	Objectives of the Programme	To understand etiopathogenesis, clinical features, radiographic features and management of Odontogenic tumors
8	Activities carried out during the Programme	PPT Presentation
	No of students participated	57 III BDS
	No of teachers participated	3 Teachers
	No of beneficiaries benefitted from the programme	57
	Photographs	-
	<b>Brief Report</b> ITL is conducted for overlapping topics, all three department faculty come together and teach the topic, student feedback was satisfactory and learning is achieved	

### PHOTOGRAPH



*M. K. Kulkarni*

Prof and Head  
Department of Oral Medicine Radiology  
KLE Institute of Dental Sciences  
Belagavi

*Shakale*

Principal  
KLE Institute of Dental Sciences  
Belagavi

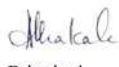


Sl.No.	Particulars	Information
1	Name of the program	Integrated Teaching Learning
2	Program organized by Department	Dept. of Pediatric and Preventive dentistry
3	Department / Association /Cell involved	Department of Oral Pathology and Microbiology
4	Date	31:05:2024 and 01:06:2024
5	Duration	2 Hours
6	Location	Lecture hall 1 KLE VK IDS, Belagavi
7	Objective of the program	Interdepartmental involvement in teaching common topics
8	Activities carried out during the program	Lecture class on Eruption and shedding and teething problems
	No. of Students Participated	100
	No. of Teachers Participated	2
	No. of Beneficiaries benefited from the program	100
9	Photographs	Enclosed
10	<p align="center"><b>Brief Report :</b></p> <p>The department of Pediatric and Preventive dentistry in association with the department of Oral Pathology and Microbiology of KLE VK Institute of Dental Sciences conducted integrated teaching for the II BDS students on the topic -Eruption and shedding and teething problems. Dr. Seema Hallikerimath, Professor from the department of Oral Pathology and Microbiology taught about the dental anatomy and histology relating to the topic and Dr. Vidyavathi. H. Patil, Reader from the department of Pediatric and Preventive dentistry taught the students on clinical aspects of the topic. This Integrated teaching, where experts from different fields collaborated to teach a single topic offered several advantages to the students</p> <ol style="list-style-type: none"> <li>1. Students gained a comprehensive view of the topic by seeing how it intersects with various disciplines. This helped them understand the broader context and applications.</li> <li>2. Learning become more engaging when students see the relevance of a topic across different fields. This increased their interest and motivation.</li> <li>3. Exposure to multiple perspectives encouraged students to think critically and analyze the topic from various angles, fostering deeper understanding and problem-solving skills.</li> </ol>	

## PHOTOGRAPH



  
Dr. Chandrshekhar M Badakar  
Professor & Head

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.

## 2. Interdisciplinary Teaching

Sl. No.	Particulars	Information
1	Name of the program	Interdepartmental Case presentation
2	Program organized by Department	Dept of Pediatric and Preventive dentistry
3	Department / Association / Cell involved	Department of Orthodontics, KLE VK IDS
4	Date	21-08-2024
5	Duration	1 Hours
6	Location	Dept of Pediatric and Preventive dentistry KLE VK IDS
7	Objective of the program	Interdepartmental involvement in common topics
8	Activities carried out during the program	Case discussion on Management of ectopic eruption of maxillary central incisor
	No. of Students Participated	27
	No. of Teachers Participated	12
	No. of Beneficiaries benefited from the program	39
9	Photographs	Enclosed
10	<b>Brief Report :</b> The department of Pediatric and Preventive dentistry in association with the department of Orthodontics organized an Interdepartmental case discussion on Management of ectopic eruption of maxillary central incisor for postgraduate students and staff of both departments on 21 <sup>st</sup> August 2024. The case was presented by Dr. Bhuvanesh Bhusari III year PG under the guidance of Dr. Vidyavathi H. Patil from department of Pediatric and Preventive Dentistry and Dr. Abhishek Desai II year PG from department of Orthodontics discussed the management of the case under the guidance of Dr. Rohan Hattargi. Panellist: Dr. Chandrashekhar Badakar and Dr. Rohan Hattargi.	

## PHOTOGRAPHS



  
Dr. Chandrashekhar M Badakar  
Professor & Head

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.

## I. PARTICIPATORY LEARNING

### 1. Interactive small group discussions

S.No	Particulars	
1	Name of the Program	Interactive small group discussion
2	Programme organized by Department	Oral medicine and Radiology
3	Department / Association / Cell Involved	Oral medicine and Radiology
4	Date	Jan 2024 onwards
5	Duration	1 hour
6	Location	Oral medicine and Radiology, KLE VKIDS
7	Objectives of the Programme	To develop analytic, reasoning and critical thinking skills amongst students
8	Activities carried out during the Programme	Discussion
	No of students participated	IV BDS
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	57
	Photographs	
	<b>Brief Report</b> Small group discussions are conducted on clinically relevant topics, the students are informed about the topic well in advance, topic is discussed by the staff wherein active learning is observed	

## PHOTOGRAPHS



*M. K. Kulkarni*

Prof and Head  
Department of Oral medicine and Radiology

*M. K. Kulkarni*

Principal  
KLE Institute of dental sciences  
Belagavi

## 2. Blended learning

S.No	Particulars	
1	Name of the Program	BLENDED LEARNING (Flipped Classroom)
2	Programme organized by Department	<b>Public health dentistry</b>
3	Department / Association / Cell Involved	<b>Public health dentistry</b>
4	Date	03/05/24
5	Duration	1 hour
6	Location	Third year lecture hall
7	Objectives of the Programme	<b>PIT AND FISSURE SEALANTS</b> 1. Differentiate between types of tooth fissures 2. Identify the indications where Pit and Fissure Sealants can be applied. 3. Understand the procedure of pit and fissure sealant application. 4. Narrate post-operative instructions.
8	Activities carried out during the Programme	
	No of students participated	42
	No of teachers participated	1
	No of beneficiaries benefitted from the programme	42
	<b>Brief Report</b> The study material was shared via WhatsApp in PDF format 8 days before clinical postings. This included an introduction, indications, contraindications, types of fissures, methods of sealant application, and post-operative instructions. Students answered 5 SAQs before the classroom phase. In May 2024, a pre-test (10 MCQs) was conducted. Students, divided into four groups of 10, discussed and presented four pre-framed case scenarios under the supervision of Dr. David Coutinho. A post-test (10 MCQs) was administered at the session's end. Assessment will occur 6 months later with a 20-mark LAQ. Feedback was collected and analyzed through predesigned forms.	

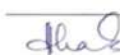
## PHOTOGRAPHS




Head of the department

KLE VK Institute of Dental Sciences

Belagavi, Karnataka



Principal

KLE VK Institute of Dental Sciences

Belagavi, Karnataka



### 3. (a) Bedside teaching

S.No	Particulars	
1	Name of the Program	Bed side teaching
2	Programme organized by Department	<b>Oral &amp; Maxillofacial Surgery</b>
3	Department / Association / Cell Involved	
4	Date	Every Saturday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning and perioperative management of hospitalized patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<p style="text-align: center;"><b>Brief Report</b></p> <p>During every hospital postings, the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.</p>		

### PHOTOGRAPHS



*[Signature]*

Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

*[Signature]*

Principal  
KLE Institute of Dental Sciences  
Belagavi




### 3. (b) Chair side teaching

S.No	Particulars	
1	Name of the Program	Chair side teaching
2	Programme organized by Department	Oral & Maxillofacial Surgery
3	Department / Association / Cell Involved	Oral & Maxillofacial Surgery
4	Date	Monday to Friday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning on patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<p align="center"><b>Brief Report</b></p> <p>During clinical posting the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.</p>		

### PHOTOGRAPHS



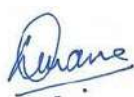
  
Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

  
Principal  
KLE Institute of Dental Sciences  
Belagavi

## 4. Buddy System

S.No	Particulars	
1	Name of the Program	Buddy System
2	Programme organized by Department	Department of oral pathology and oral Microbiology
3	Department / Association / Cell Involved	Oral pathology
4	Date	4.10.2024
5	Duration	1 hr
6	Location	Department of oral pathology and oral Microbiology
7	Objectives of the Programme	To teach, guide a junior PG s in understanding basic topics, discussion of histopathology slides, teaching carving and histotechniques, assisting in writing synopsis of major and minor projects
8	Activities carried out during the Programme	discussions
	No of students participated	3
	No of teachers participated	3
	No of beneficiaries benefitted from the programme	3
	Photographs	
<b>Brief Report</b> Senior Pgs guide are allotted with junior Pgs as Buddies . To teach, guide a junior PG s in understanding basic topics, discussion of histopathology slides, teaching carving and histotechniques, assisting in writing synopsis of major and minor project		

## PHOTOGRAPHS

Prof and Head  
Department of Oral Pathology and Microbiology  
KLE Institute of Dental Sciences  
Belagavi



Principal  
KLE Institute of Dental Sciences  
Belagavi

## 5. (a) Demonstrations for UG students

S. No	Particulars	
1	Name of the Program	Demonstrations—Lymphnode examination, TMJ examination, IOPA technique
2	Programme organized by Department	Oral medicine and Radiology
3	Department/Association / Cell Involved	Oral medicine and Radiology
4	Date	Jan 2024 onwards
5	Duration	1 hour
6	Location	Oral medicine and Radiology
7	Objectives of the Programme	To develop clinical examination and radiograph making skills
8	Activities carried out during the Programme	Discussion and demonstrations
	No of students participated	44 III BDS
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	44 III BDS
	<b>Brief Report</b>	
	The students undergo demonstrations of IOPA technique when posted in the department to improve their skills.	

## PHOTOGRAPHS



*M. K. Kulkarni*

Prof and Head  
Department of Oral Medicine Radiology  
KLE Institute of Dental Sciences  
Belagavi

*A. K. Kale*

Principal  
KLE Institute of Dental Sciences  
Belagavi

## 5. (b) Demonstrations for PG students

Sl.No	Particulars	
1	Name of the Program	Demonstrations for 1 <sup>st</sup> year MDS students
2	Programme organized by Department	Pediatric and preventive dentistry
3	Department / Association / Cell Involved	Pediatric and preventive dentistry
4	Date	1 <sup>st</sup> 6 months of preclinical training
5	Duration	1 hour each
6	Location	Department of pediatric and preventive dentistry
7	Objectives of the Programme	To facilitate the student to know 1. To learn the morphology of teeth 2. Access cavity preparation and root canal treatment on extracted teeth 3. Restorative exercises Class I & II Cavity preparation. Both conventional and conservative
8	Activities carried out during the Programme	Tooth preparation for restorations. Access cavity preparation & canal location, tooth carving
9	No of students participated	2
10	No of teachers participated	2
11	No of beneficiaries benefitted from the programme	2
13	<b>Brief Report</b> Dr. Vidyavathi Patil, Reader, took discussion on pediatric operative dentistry, tooth carving and pediatric endodontics. The students felt it useful in attaining & enriching their knowledge	

## PHOTOGRAPHS



  
Dr. Chandrsekhar M Badakar  
Professor & Head

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.



## 6. Community Awareness Programme

Sl. No.	Particulars	Information
1	Name of the program	World Oral Health Day
2	Program organized by Department	Dept of Oral Medicine and Radiology
3	Department / Association / Cell involved	Dept of Oral Medicine and Radiology
4	Date	20/03/2024
5	Duration	3 Hour
6	Location	ITBP Halabhavi
7	Objective of the program	To celebrate World oral health day and create awareness about oral health and its maintenance.
8	Activities carried out during the program	Health talk and oral dental check up camp
9	No. of Students Participated	6 Interns
10	No. of Teachers Participated	02 Teacher
11	No. of Beneficiaries benefited from the program	95

### Photographs / Paper Clippings ( 2 )

12



*Maheshwar*

Prof and Head  
Department of Oral Medicine Radiology  
KLE Institute of Dental Sciences  
Belagavi

*Shakale*

Principal  
KLE Institute of Dental Sciences  
Belagavi



Sl. No.	Particulars	Information
1.	Name of the program	Camp
2.	Program organized by Department	Public Health Dentistry
3.	Department / Association /Cell involved	Public Health Dentistry
4.	Date	21/08/2024
5.	Duration	1 day
6.	Location	NSS Free Dental Health Check-up camp at Chalavanhatti
7.	Objective of the program	To diagnose, screen and identify the oral health issues.
8.	Activities carried out during the program	Screening and oral health education camp
9.	No. of Students Participated	03 PG 03Interns
10.	No. of Teachers Participated	1
11.	No. of Beneficiaries benefited from the program	162
<p align="center"><b>Brief Report :</b></p> <p>Public Health Dentistry conducted at NSS Free Dental Check-up Camp at Chalavanhatti to diagnose, screen and identify the oral health issues</p>		




Prof and Head  
Department of Public Health Dentistry  
KLE Institute of Dental Sciences  
Belagavi



Principal  
KLE Institute of Dental Sciences  
Belagavi

## 7. Early Clinical Exposure

S. No	Particulars	
1	Name of the Program	<b>Early Clinical Exposure</b>
2	Programme organized by Department	Dept. of Pediatric and Preventive Dentistry
3	Department / Association / Cell Involved	KLE VKIDS
4	Date	Dates: 30 <sup>th</sup> April, 2024
5	Duration	Time: Batch A -10am-12.30 and Batch B:2pm-4.30pm
6	Location	Pedo Gallery Hall
7	Objectives of the Programme	To sensitize on the departmental cases for II Year BDS Students
8	Activities carried out during the Programme	Lecture on Introduction to Pediatric Dentistry and Behaviour management in Children and also exposure to clinical cases for II Year BDS Students in the department
9	No of children participated	75
10	No of Department teachers participated	01
11	No of beneficiaries benefitted from the programme	75
12	Number of UG & PG participated	
13	Number of Faculty participated	
14	Photographs	
<b>Brief report :</b>		
Dr. Shwetha Kajjari explained the students about the treatments that are provided in the department of Pediatric and preventive dentistry and also sensitized them to the department.		

## PHOTOGRAPHS



  
Dr. Chandrshekhar M Badakar  
Professor & Head

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.

## IV. PROBLEM SOLVING METHODOLOGIES

### 1. Case Based learning

S.No	Particulars	
1	Name of the Program	Case Base Learning
2	Programme organized by Department	<b>Dept of Conservative Dentistry and Endodontics</b>
3	Department / Association / Cell Involved	<b>Dept of Conservative Dentistry and Endodontics</b>
4	Date	15 /3/2024
5	Duration	15 min
6	Location	<b>Dept of Conservative Dentistry and Endodontics</b>
7	Objectives of the Programme	To diagnose and interpret clinical conditions commonly affecting patients
8	Activities carried out during the Programme	Case Discussions
No of students participated		4
No of teachers participated		1
No of beneficiaries benefitted from the programme		4
Photographs		
<b>Brief Report</b>		
Students interacted with the staff to diagnose and interpret clinical conditions commonly affecting patients		

### PHOTOGRAPHS



*[Signature]*  
Incharge HOD  
Dept of Conservative Dentistry &  
Endodontics

*[Signature]*  
Dr Alka Kale  
Principal  
KLE VK IDS  
PRINCIPAL  
KLE V.K. Institute of Dental Sciences  
Nehru Nagar, BELAGAVI-590010.

## 2. (a) Bedside teaching

S.No	Particulars	
1	Name of the Program	Bed side teaching
2	Programme organized by Department	<b>Oral &amp; Maxillofacial Surgery</b>
3	Department / Association / Cell Involved	
4	Date	Every Saturday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning and perioperative management of hospitalized patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<p align="center"><b>Brief Report</b></p> <p align="center">During every hospital postings, the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.</p>		

### PHOTOGRAPHS



*[Signature]*

Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

*[Signature]*

Principal  
KLE Institute of Dental Sciences  
Belagavi



## 2. (b) Chair side teaching

S.No	Particulars	
1	Name of the Program	Chair side teaching
2	Programme organized by Department	Oral & Maxillofacial Surgery
3	Department / Association / Cell Involved	Oral & Maxillofacial Surgery
4	Date	Monday to Friday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning on patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<b>Brief Report</b> During clinical posting the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.		

### PHOTOGRAPHS



*[Signature]*  
Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

*[Signature]*  
Principal  
KLE Institute of Dental Sciences  
Belagavi



### 3. Clinico Pathologic Conference (INTERDEPARTMENTAL CASES)

Student centric method: Clinico Pathologic Conference

S.No	Particulars	
1	Name of the Program	Clinicopathologic conference
2	Programme organized by Department	<b>Department of oral pathology</b>
3	Department / Association / Cell Involved	Department of oral medicine and radiology Department of oral pathology and oral microbiology Department of oral surgery
4	Date	19.09.2024
5	Duration	2hrs
6	Location	Prosthodontic Gallery Hall
7	Objectives of the Programme	To discuss clinical radiological and histopathological features of interesting OPD cases Participation from oral medicine , oral pathology and oral surgery
8	Activities carried out during the Programme	Discussion of clinical cases
	No of students participated	9 post graduates presented 3 cases 21Pgs attended the activity
	No of teachers participated	24
	No of beneficiaries benefitted from the programme	50
	Photographs	Attached
<p style="text-align: center;"><b>Brief Report</b></p> <p>Clinicopathologic conference was conducted on 19.09.2024 in prosthodontic gallery hall and was organized by Dept of oral pathology. Programme was attended by staff and post graduates. Post graduates from oral medicine, oral pathology and oral surgery presented 3 interesting cases of academic interest. Clinical, radiological and histopathological features along with management was discussed.</p>		

### PHOTOGRAPHS



*R. K. Kulkarni*

Prof and Head

Department of Oral Pathology and Microbiology  
KLE Institute of Dental Sciences, Belagavi

*Shri. K. K. Kulkarni*

Principal

KLE Institute of Dental Sciences  
Belagavi



# KLE V.K. Institute of Dental Sciences

(A Constituent unit of KLE Academy of Higher Education & Research  
Deemed-to-be-University u/s 3 of the UGC Act, 1956)  
Nehru Nagar, Belagavi-590 010 INDIA

**Accredited 'A+' grade by NAAC (3<sup>rd</sup> Cycle) & Placed in Category 'A' by MHRD (GoI)**

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**FAX: 0831-2470640**

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E-mail: [principal@kledental-bgm.edu.in](mailto:principal@kledental-bgm.edu.in)



## V. SELF DIRECTED LEARNING

### Blended learning

S.No	Particulars	
1	Name of the Program	BLENDED LEARNING (Flipped Classroom)
2	Programme organized by Department	<b>Public health dentistry</b>
3	Department / Association / Cell Involved	<b>Public health dentistry</b>
4	Date	03/05/24
5	Duration	1 hour
6	Location	Third year lecture hall
7	Objectives of the Programme	<b>PIT AND FISSURE SEALANTS</b> 1. Differentiate between types of tooth fissures 2. Identify the indications where Pit and Fissure Sealants can be applied. 3. Understand the procedure of pit and fissure sealant application. 4. Narrate post-operative instructions.
8	Activities carried out during the Programme	
	No of students participated	42
	No of teachers participated	1
	No of beneficiaries benefitted from the programme	42
	<b>Brief Report</b> The study material was shared via WhatsApp in PDF format 8 days before clinical postings. This included an introduction, indications, contraindications, types of fissures, methods of sealant application, and post-operative instructions. Students answered 5 SAQs before the classroom phase. In May 2024, a pre-test (10 MCQs) was conducted. Students, divided into four groups of 10, discussed and presented four pre-framed case scenarios under the supervision of Dr. David Coutinho. A post-test (10 MCQs) was administered at the session's end. Assessment will occur 6 months later with a 20-mark LAQ. Feedback was collected and analyzed through predesigned forms.	

## PHOTOGRAPHS




Head of the department

KLE VK Institute of Dental Sciences

Belagavi, Karnataka



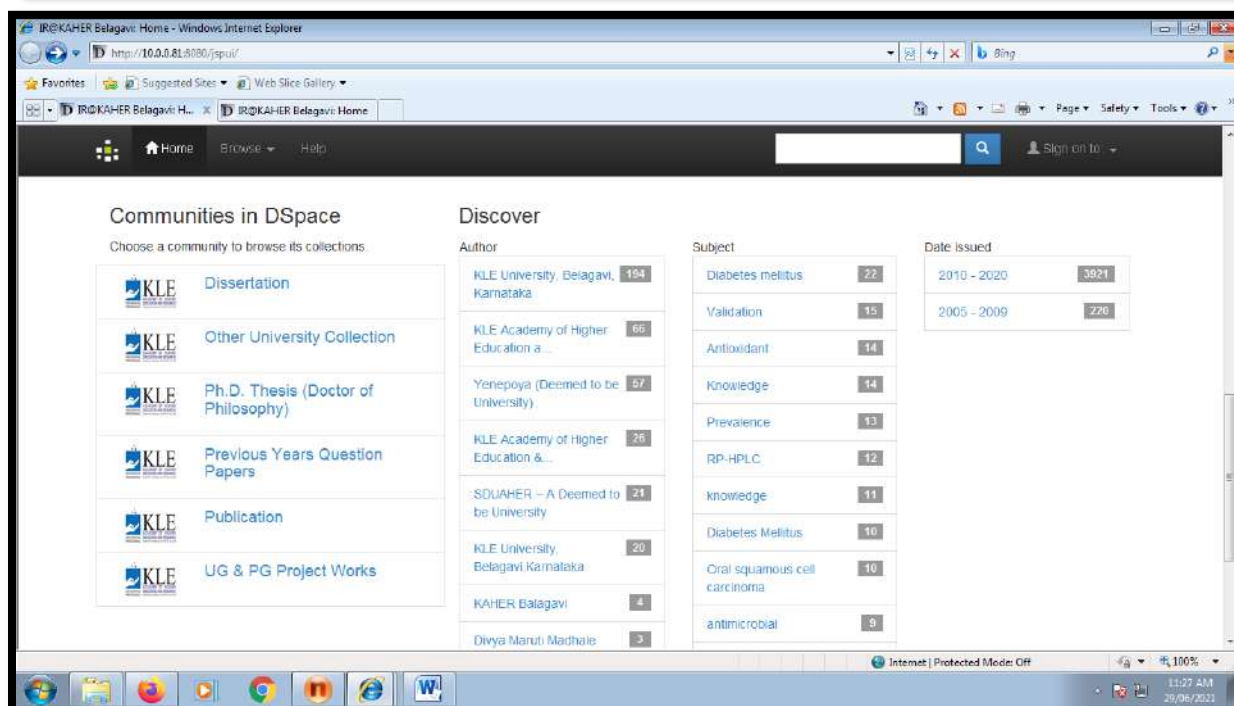
Principal

KLE VK Institute of Dental Sciences

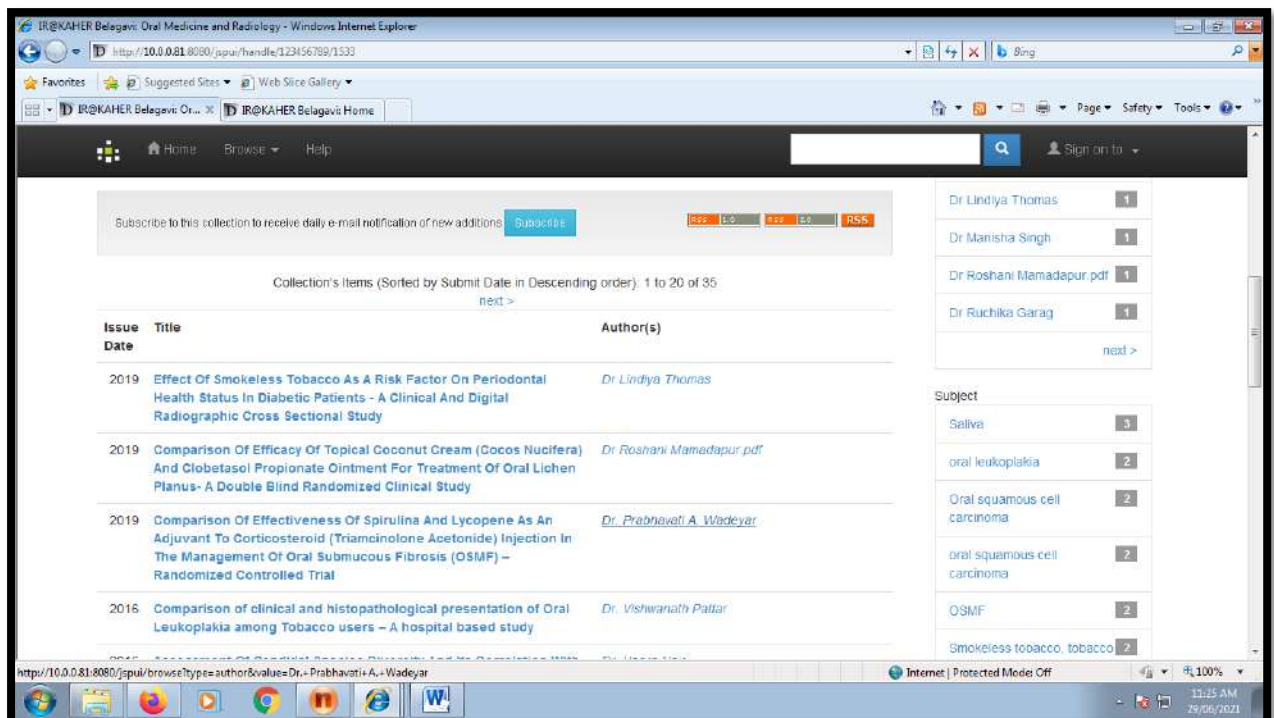
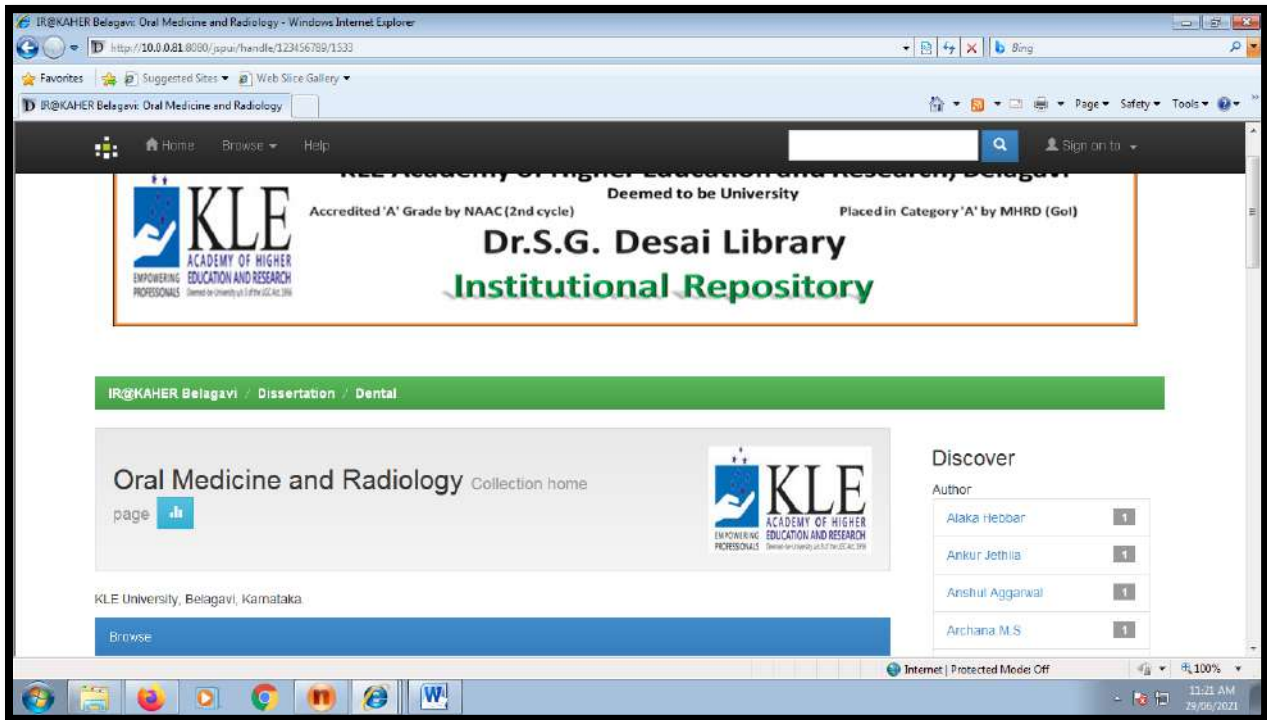
Belagavi, Karnataka

## E resources

### Access of E-resources

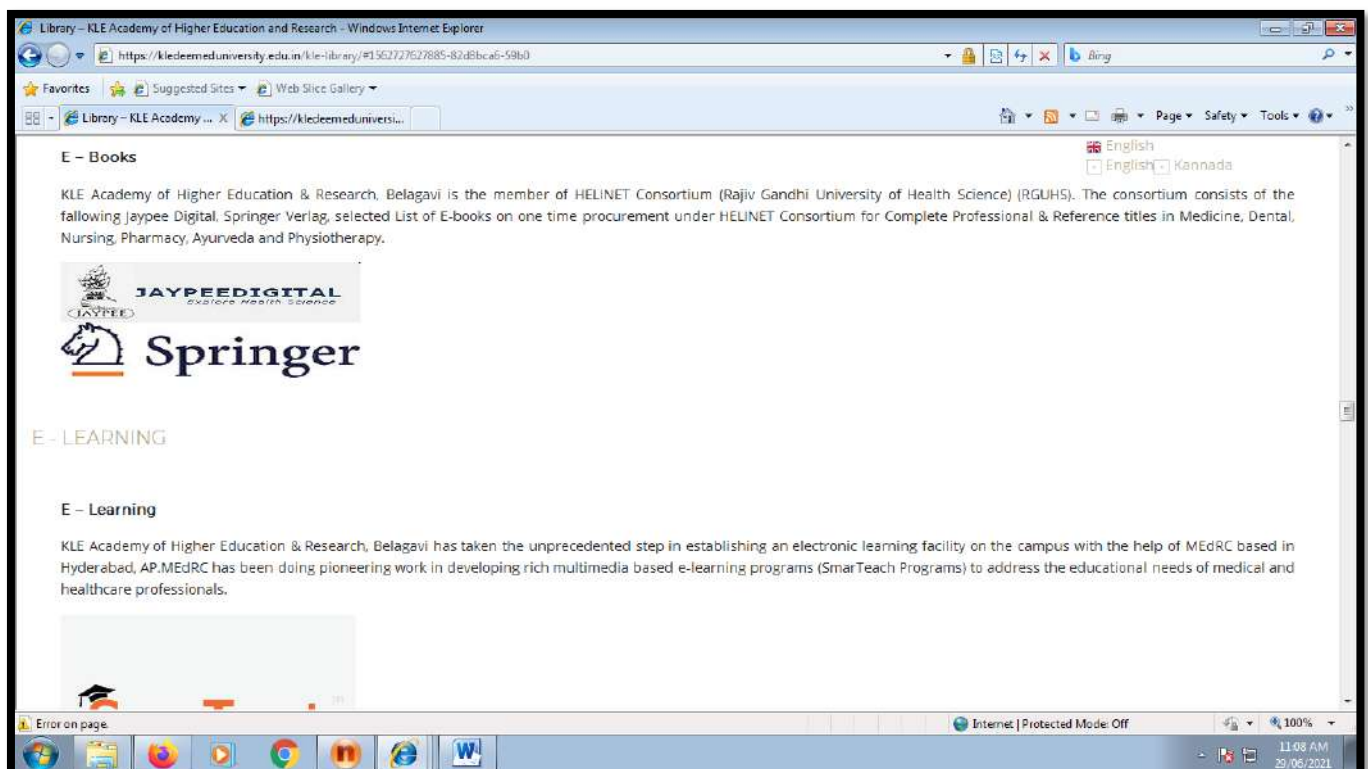
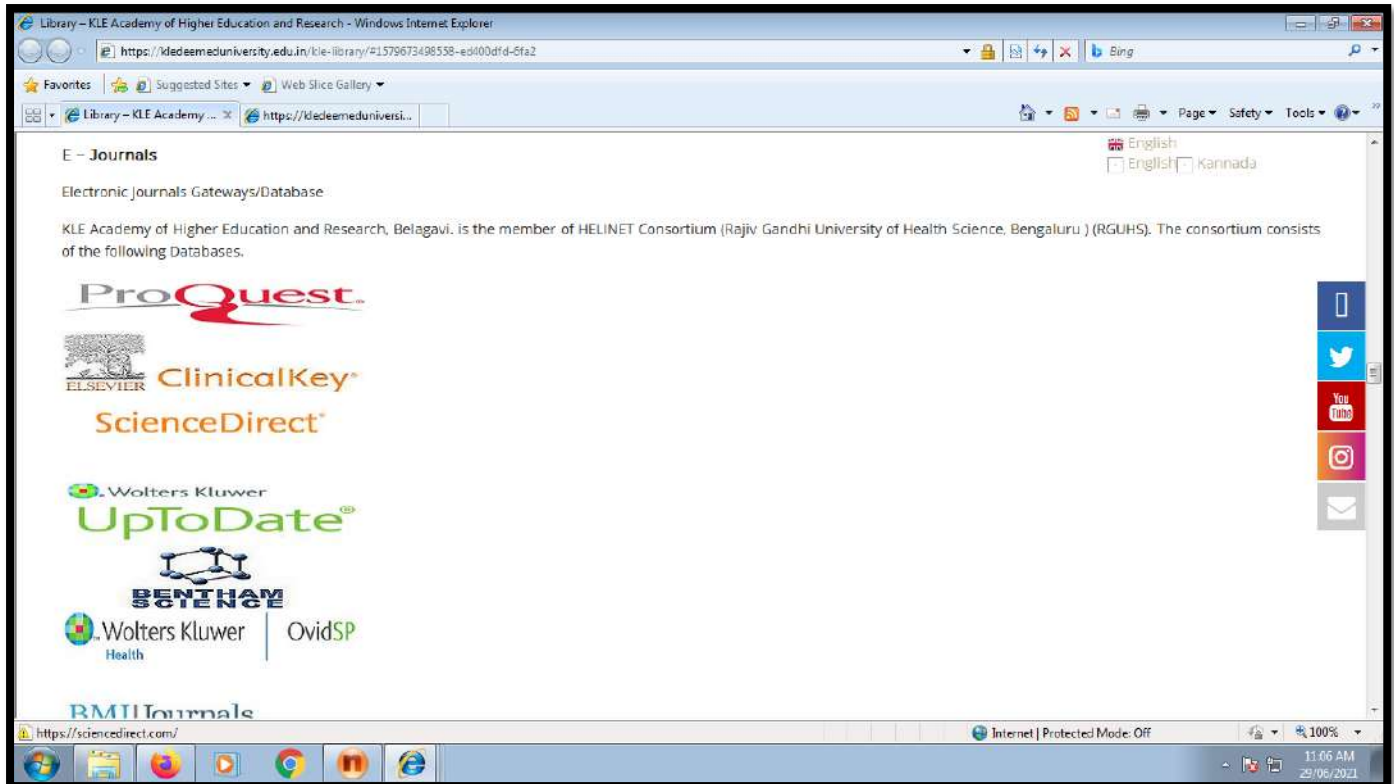


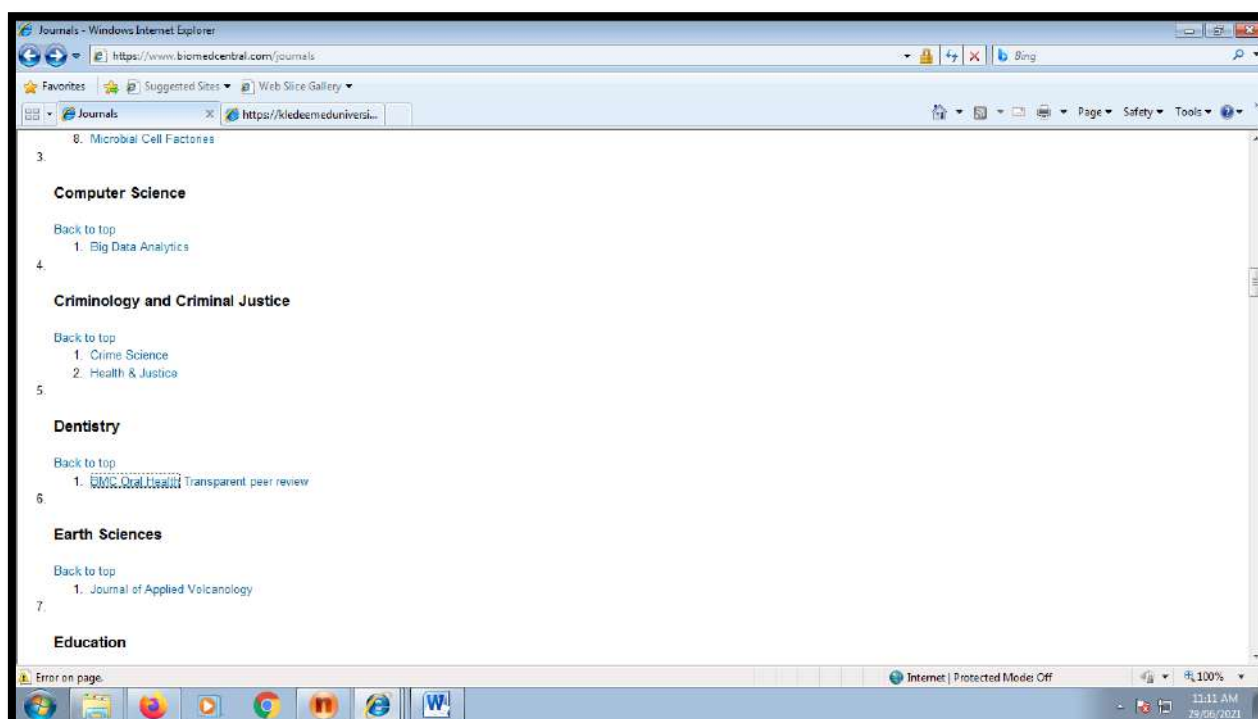
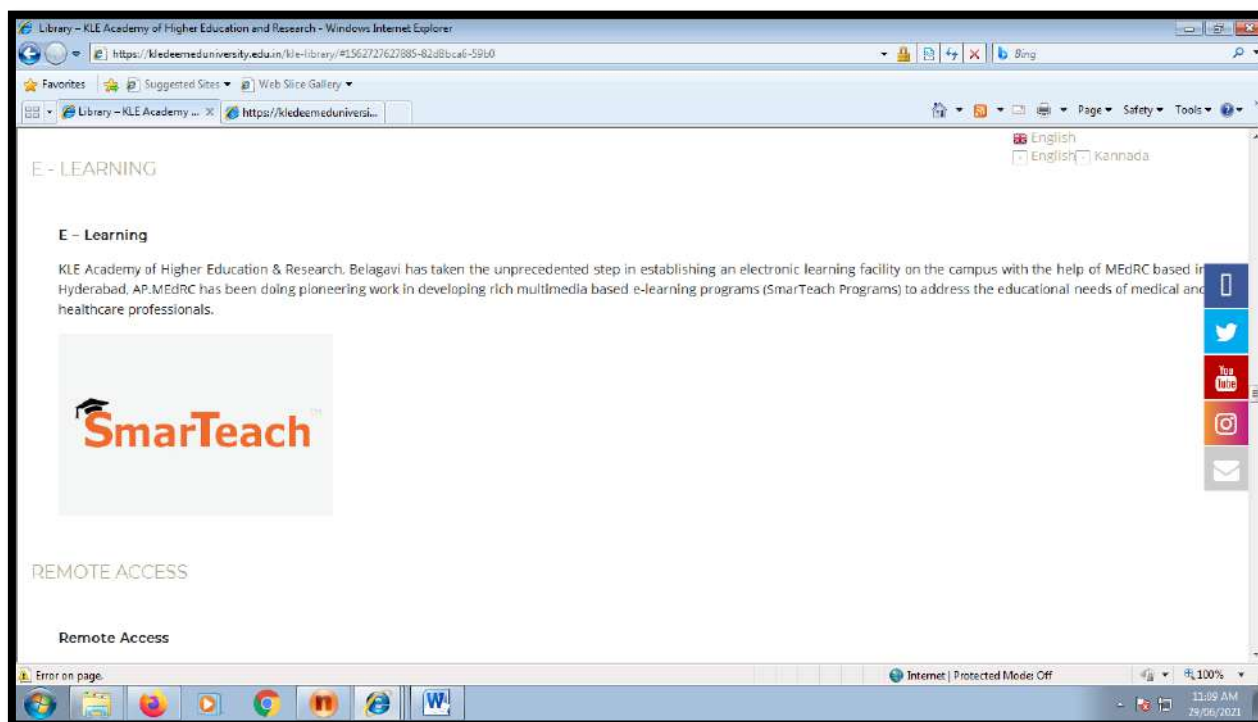


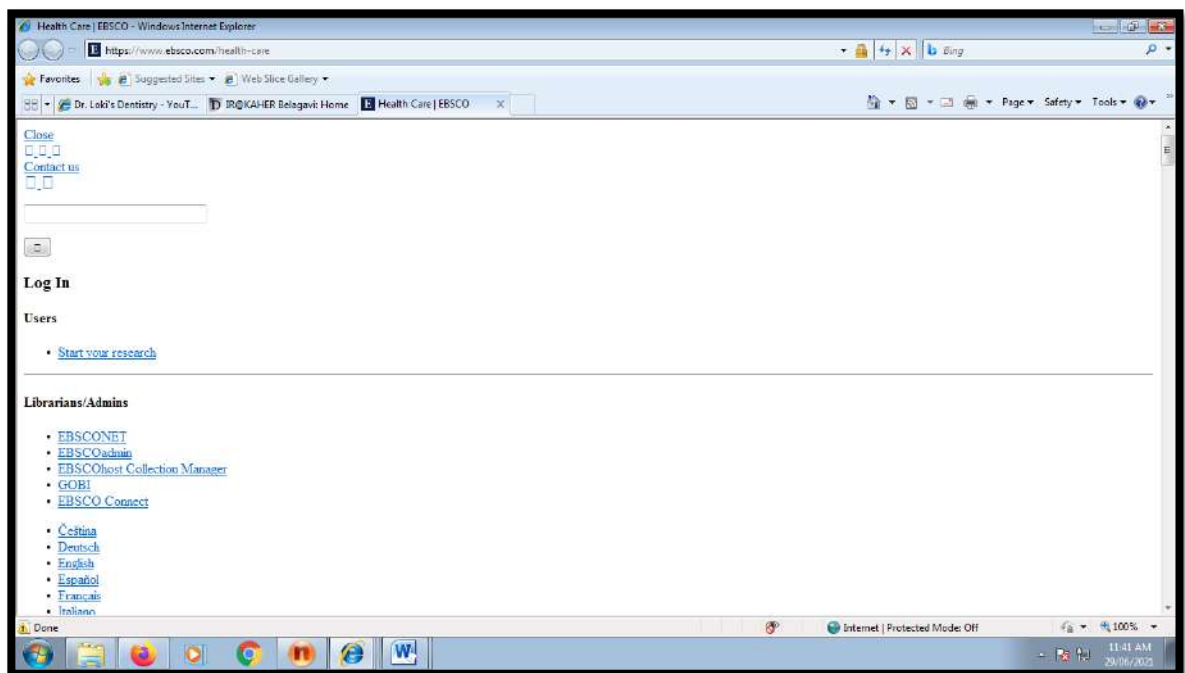
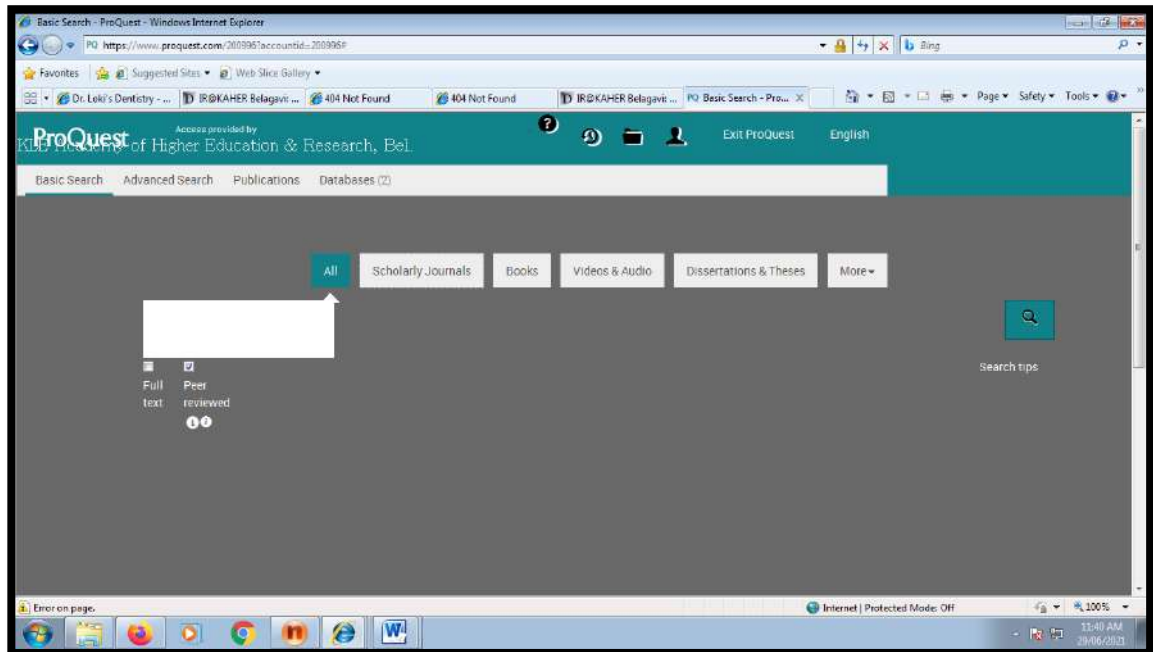




## E Journals and E Books







## LIBRARY E RESOURCES SOFTWARES

- Uptodate – EVIDENCE BASED CLINICAL RESEARCH
- DRUG INFORMATION
- Proquest – e journals
- Jaypee – e books
- Shodhganga- DISSERTATIONS(KAHER), PhD thesis
- D space software 4.2 – dissertations (PhD and PG) and journals
- Ezproxy – remote access



Principal  
KLE VK Institute of Dental Sciences  
Belagavi

## VI. PATIENT CENTRIC LEARNING AND EVIDENCE BASED LEARNING

### Bedside and Chair Side Teaching.

#### 2. (a) Bedside teaching

S.No	Particulars	
1	Name of the Program	Bed side teaching
2	Programme organized by Department	<b>Oral &amp; Maxillofacial Surgery</b>
3	Department / Association / Cell Involved	
4	Date	Every Saturday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning and perioperative management of hospitalized patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<p style="text-align: center;"><b>Brief Report</b></p> <p style="text-align: center;">During every hospital postings, the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.</p>		

### PHOTOGRAPHS



*S. P.*

Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

*Shakale*

Principal  
KLE Institute of Dental Sciences  
Belagavi



### 3. (b) Chair side teaching

S.No	Particulars	
1	Name of the Program	Chair side teaching
2	Programme organized by Department	Oral & Maxillofacial Surgery
3	Department / Association / Cell Involved	Oral & Maxillofacial Surgery
4	Date	Monday to Friday
5	Duration	Two hours
6	Location	KLE Hospital & MRC
7	Objectives of the Programme	Students should be able to learn clinical diagnosis, treatment planning on patients during the posting
8	Activities carried out during the Programme	Bed side teaching
	No of students participated	PGs
	No of teachers participated	09
	No of beneficiaries benefitted from the programme	18
	Photographs	Proof Attached
<b>Brief Report</b> During clinical posting the students will be taught clinical skills in diagnosis, treatment plan and perioperative management of different cases.		

### PHOTOGRAPHS



*[Signature]*  
Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi

*[Signature]*  
Principal  
KLE Institute of Dental Sciences  
Belagavi

## DEPARTMENT OF ORAL AND MAXILLOFACIAL SURGERY

### UG Demonstrations

S.No	Particulars	
1	Name of the Program	UG Demonstrations
2	Programme organized by Department	Oral & Maxillofacial Surgery
3	Department / Association / Cell Involved	Oral & Maxillofacial Surgery
4	Date	Monday to Friday
5	Duration	One hour
6	Location	Department of Oral & Maxillofacial Surgery
7	Objectives of the Programme	Students should be able to understand and treatment planning of different cases
8	Activities carried out during the Programme	Demos
	No of students participated	UGs and PGs
	No of teachers participated	11
	No of beneficiaries benefitted from the programme	10 per batch
	Photographs	Attached proof
<b>Brief Report</b> Demonstrations are given on simulators and on patients.		

### DEMONSTRATIONS OF III YEAR

Sl.no.	Name of teacher	department	Title of demonstration	Ug/pg
1	Dr.Arati Neeli	Oral and maxillofacial surgery	Posterior superior alveolar nerve block demonstration	III YR
2	Dr.Sidramesh Muttagi	Oral and maxillofacial surgery	Inferior alveolar nerve block demonstration	III YR
3	Dr.Tejrav P Kale	Oral and maxillofacial surgery	Infraorbital nerve block demonstration	III YR
4	Dr.Vijaylaxmi Shettar	Oral and maxillofacial surgery	Demonstration of forceps and elevators	III YR
6	Dr.Abhishek Motimath	Oral and maxillofacial surgery	Examination of TMJ and Demonstration	III YR
7	Dr.Sidramesh M	Oral and maxillofacial surgery	Exodontias training programme (On Patient) <ul style="list-style-type: none"> <li>Principal and use of elevators and Forceps</li> <li>Open extraction &amp; Suturing</li> </ul>	III YR

## DEMONSTRATIONS Of IV YEAR

1	Dr.Sidramesh Muttagi	Oral and maxillofacial surgery	Lymph node examination	IV YR
2	Dr.S D Baliga	Oral and maxillofacial surgery	Impaction procedure – incision, flap design, bone cutting splitting of tooth suturing	IV YR
3	Dr.Sidramesh Muttagi	Oral and maxillofacial surgery	Biopsy procedures	IV YR
4	Dr.Arati Neeli	Oral and maxillofacial surgery	Dental management of medically compromised patients	IV YR
5	DR Vijayalaxmi	Oral and maxillofacial surgery	Suturing exercise and demonstration Part I	IV YR
7	Dr.Arati Neeli	Oral and maxillofacial surgery	Radiographs	IV YR

## DEMONSTRATIONS Of INTERNS & PGs

1	Dr.Arati Neeli	Oral and maxillofacial surgery	IM/IV Techniques	INTERNS
2	DR Vijayalaxmi Shettar	Oral and maxillofacial surgery	Transalveolar extraction Techniques	INTERNS
16	Dr.Shridhar D Baliga	Oral and maxillofacial surgery	Trauma	PGs
17	Dr.Sidramesh Muttagi	Oral and maxillofacial surgery	Impaction	PGs



Prof and Head  
Department of Oral Surgery  
KLE Institute of Dental Sciences  
Belagavi



Principal  
KLE Institute of Dental Sciences  
Belagavi

## Dental Procedural learning

### List of Training programs conducted in Clinical Skill Lab

Sl.No	Particulars	
1	Name of the Program	1. Access cavity preparation and root canal treatment on extracted teeth 2. Restorative exercises Class I & II Cavity preparation. Both conventional and conservative
2	Programme organized by Department	Pediatric and preventive dentistry
3	Department / Association / Cell Involved	Pediatric and preventive dentistry
4	Date	26:03:2024 and 04: 04:2024
5	Duration	1 hour each
6	Location	Department of pediatric and preventive dentistry
7	Objectives of the Programme	To facilitate the student to know the pediatric operative dentistry and endodontics
8	Activities carried out during the Programme	Tooth preparation for restorations. Access cavity preparation and canal location
9	No of students participated	2
10	No of teachers participated	2
11	No of beneficiaries benefitted from the programme	2
12	Photographs	Enclosed
13	<b>Brief Report</b> Dr. Vidyavathi Patil, Reader, took discussion on pediatric operative dentistry and pediatric endodontics. The students felt it useful in attaining and enriching their knowledge	


### List of Training Programs conducted in Clinical Skill Lab – 2023- 24

Clinical skill lab is used to conduct various activities for hands on training on various Mannequins and simulators. The various training sessions conducted in the year are as follows,

## PHOTOGRAPHS



  
**Dr. Chandrshekhkar M Badakar**  
Professor & Head  
Professor and Head  
Department of Pedodontics  
KLE V. K. Institute of Dental Sciences  
Belagavi

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.



## Communication skill workshop

S.No	Particulars	
1	Name of the Program	Communication skill workshop
2	Programme organized by Department	<b>1<sup>st</sup> BDS coordinator</b>
3	Department / Association / Cell Involved	Department of oral Pathology
4	Date	20 <sup>th</sup> June 2024
5	Duration	4 hrs
6	Location	Lecture hall number 1
7	Objectives of the Programme	To teach and sensitize students on communication skills and teaching soft skills
8	Activities carried out during the Programme	Lecture followed by presentations by students on the topic given to them.
	No of students participated	100
	No of teachers participated	1
	No of beneficiaries benefitted from the programme	100
<b>Brief Report</b> The Ist BDS students of 2023-202 attended the communication skill workshop organized in lecture hall no 1 KLE VK Institute of Dental Sciences on 20 <sup>th</sup> June 2024. Mrs Smitha Dalvi conducted the programme. 100 students attended the programmes .		

## PHOTOGRAPHS

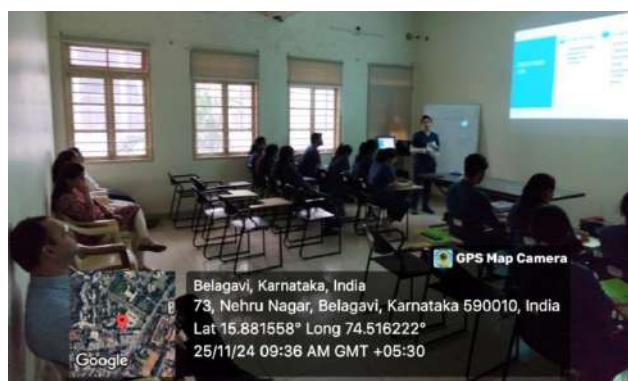


*Shriakale*

Principal  
KLE VK Institute of Dental Sciences  
Belagavi

## Name of the student centric program: Evidence Based learning

S.No	Particulars	
1	Name of the Program	Evidence Based learning
2	Programme organized by Department	Orthodontics and dentofacialorthopaedics
3	Department/Association/Cell Involved	Orthodontics and dentofacialorthopaedics
4	Date	11/03/2024
5	Duration	1 hour
6	Location	Seminar room, Orthodontics and dentofacialorthopaedics
7	Objectives of the Programme	To familiarize the post graduate students to the concept of extempore presentations of theory topics and to be acquainted with the recent evidences in the topics of orthodontics
8	Activities carried out during the Programme	Seminar , JC presentations
	No of students participated	18
	No of teachers participated	10
	No of beneficiaries benefitted from the programme	18
<b>Brief Report</b> Post graduate present various theory topics as prescribed by DCI in the syllabus as seminar presentations and Journal club presentations are done to be updated with the recent research in the field of orthodontics to aid in their day to day clinical practice.		



*Rohan*

Dr. Rohan Hattarki  
Professor & Head  
Department of Orthodontics  
K.L.E. VK Institute of Dental Sciences, Belagavi

*Shankar*

Principal  
K.L.E. VK Institute of Dental  
Sciences, Belagavi

## Evidence based Learning

S.No	Particulars	
1	Name of the Program	Evidence based practice –Systematic Reviews
2	Programme organized by Department	Oral medicine and Radiology
3	Department/Association / Cell Involved	Oral medicine and Radiology
4	Date	2024
5	Duration	2 years
6	Location	Oral medicine and Radiology, KLE VKIDS
7	Objectives of the Programme	To develop critical thinking skills
8	Activities carried out during the Programme	Preparing a systematic review and publishing
	No of students participated	04
	No of teachers participated	04
	No of beneficiaries benefitted from the programme	04
	<b>Brief Report</b> Ongoing	

### Ongoing Systematic Reviews

1. Efficacy of topical amelaxono oral paste and triamcinolone oral paste in management of Oral lichen planus.
2. Probiotics in Oral lichen planus.
3. Low level laser therapy in Oral leukoplakia
4. Efficacy of tulsi and turmeric gel in reduction of burning sensation in OSMF patients.

*M. K. Kulkarni*

Prof and Head  
Department of Oral medicine and Radiology

*M. K. Kulkarni*

Principal  
KLE Institute of dental sciences  
Belagavi

## Department of Pediatric and Preventive Dentistry

### List of Seminars for the year 2024

Sl. No.	Date	Topic of the Seminar	Name of Presenter
1.	01-01-24	Traumatic Injuries (Part 1)	Bhuvanesh Bhusari
2.	05-01-24	Traumatic Injuries (Part 2)	Bhuvanesh Bhusari
3.	08-01-24	MID (Part 1)	Varunika Sahai
4.	11-01-24	MID (Part 2)	Varunika Sahai
5.	19-01-24	Pediatric Dentistry for children with special health care needs (Part 1)	Sanika Karmarkar
6.	23-01-24	Pediatric Dentistry for children with special health care needs (Part 2)	Sanika Karmarkar
7.	02-03-24	Cranial Nerves-Trigeminal and Facial Nerve (Part 1)	Aishwarya Patil
8.	04-03-24	Cranial Nerves-Trigeminal and Facial Nerve (Part 2)	Aishwarya Patil
9.	11-03-24	Saliva and Oral Health	Snehal Kumthekar
10.	18-03-24	Glass Ionomer Cement (Part 1)	Krishna Kajave
11.	29-03-24	Glass Ionomer Cement (Part 2)	Krishna Kajave
12.	08-04-24	Composites (Part 1)	Varunika Sahai
13.	15-04-24	Composites (Part 2)	Varunika Sahai
14.	19-04-24	Non-Vital Pulp Therapy (Part 1)	Bhuvanesh Bhusari
15.	22-04-24	Non-Vital Pulp Therapy (Part 2)	Bhuvanesh Bhusari
16.	26-04-24	Lasers in Pediatric Oral Surgery	Sanika Karmarkar
17.	03-05-24	Salivary Glands	Aishwarya Patil
18.	13-05-24	Pulpo-Dentin Complex (Part 1)	Krishna Kajave
19.	17-05-24	Pulpo-Dentin Complex (Part 2)	Krishna Kajave
20.	20-05-24	Inflammation	Snehal Kumthekar
21.	23-05-24	Child Psychology (Part 1)	Varunika Sahai
22.	27-05-24	Child Psychology (Part 2)	Varunika Sahai
23.	31-05-24	Necrosis and Healing	Aishwarya Patil
24.	03-06-24	Infant Oral Health Care	Krishna Kajave
25.	07-06-24	Eruption, Shedding and Chronology of Teeth	Snehal Kumthekar
26.	14-06-24	Non-Pharmacological Behaviour Management (Part 1)	Varunika Sahai
27.	21-06-24	Non-Pharmacological Behaviour Management (Part 2)	Varunika Sahai

28.	24-06-24	Calcium and Phosphate Metabolism	Aishwarya Patil
29.	01-07-24	Nitrous Oxide-Oxygen Inhalation Sedation (Part 1)	Krishna Kajave
30.	08-07-24	Nitrous Oxide-Oxygen Inhalation Sedation (Part 2)	Krishna Kajave
31.	12-07-24	Oral microflora	Snehal Kumthekar
32.	15-07-24	Rubber dam Isolation (Part 1)	Varunika Sahai
33.	22-07-24	Rubber dam Isolation (Part 2)	Varunika Sahai
34.	26-07-24	Streptococcus mutans and Lactobacilli	Snehal Kumthekar
35.	29-07-24	Analgesics in Pediatric Dentistry	Aishwarya Patil
36.	02-08-24	Stainless steel crowns in Pediatric Dentistry (Part 1)	Krishna Kajave
37.	05-08-24	Stainless steel crowns in Pediatric Dentistry (Part 2)	Krishna Kajave
38.	12-08-24	Stainless steel crowns in Pediatric Dentistry (Part 3)	Krishna Kajave
39.	16-08-24	Antibiotics in Pediatric Dentistry	Snehal Kumthekar
40.	23-08-24	Antibiotics in Pediatric Dentistry	Snehal Kumthekar

  
**Dr. Chandrshekhar M Badakar**  
Professor & Head  
Department of Pedodontics  
KLE V. K. Institute of Dental Sciences,  
Belagavi


  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.



## Department of Pediatric and Preventive Dentistry

### List of Case discussions for the year 2024

Sl.No	Date	Case discussion	Name of the presenter
1.	15/01/24	Management of child with ectopically erupted central incisors	Krishna Kajave
2.	24/04/24	Management of child with ectopic eruption of central incisor	Bhuvanesh Bhusari
3.	09/05/24	Management of tooth with open apex using MTA Pulpotomy	Bhuvanesh Bhusari
4.	10/05/24	Management of child with supernumerary teeth (mesiodens)	Krishna Kajave
5.	05/06/2024	Dental management of a child with Retinoblastoma	Sanika karmarakar
6.	27/06/2024	Surgical management of a child with compound odontome	Bhuvanesh Bhusari
7.	21-08-24	Management of child with ectopic eruption of central incisor	Bhuvanesh Bhusari

  
Dr. Chandrshekhhar M Badakar  
Professor & Head  
Professor and Head  
Department of Pedodontics  
KLE V. K. Institute of Dental Sciences,  
Belagavi

  
Principal,  
KLEVK Institute of Dental Sciences,  
Belagavi.

## Department of Pediatric and Preventive Dentistry

### List of Journal clubs for the year 2024

Sl. No.	Date	Topic of the Journal club	Name of Presenter
1.	03/01/20224	Impact of school for future parents and 1 <sup>st</sup> preventive examination in 1 <sup>st</sup> year of life on oral habits	Sanika Karmarakar
2.	10/01/2024	Which Is The Most Recommended Medium For The Storage And Transport Of Avulsed Teeth? A Systematic Review	Bhuvanesh Bhusari
3.	17/01/2024	Pain perception of children after restorative treatments: Atraumatic restorative treatment versus chemomechanical removal – A noninferiority randomized clinical trial	Varunika Sahai
4.	24/01/2024	Comparison of “My Tooth the Happiest” educational game with standard dietary counseling for preference toward non-cariogenic food items in preschool children: A Randomized control trial	Krishna Kajave
5.	17/02/2024	Effectiveness of Fluoride Varnish in Prevention of Early Childhood Caries in 3-4 Years Old Children – A 36 Month Prospective Community Based Randomized Controlled Trial	Varunika Sahai
6.	28/02/2024	Assessment of anxiety levels in children receiving dental treatment using rubber dam- a randomized control trial	Snehal Kumthekar
7.	09/03/2024	Comparison of Bite Force and the Influencing Factors Pre- and Post-cementation of Stainless-Steel Crown in Children Using T-Scan	Krishna Kajave
8.	20/03/2024	Parental-oriented educational mobile messages to aid in the control of early childhood caries in low socioeconomic children: A randomized controlled trial	Varunika Sahai
9.	03/04/2024	Comparison between positive dental images and neutral images in managing anticipatory anxiety in children	Sanika Karmarakar
10.	10/04/2024	A Comparative Evaluation of a Labial Approach with a Conventional Palatal Approach for Endodontic Access in Primary Maxillary Incisors: A Pilot Study	Krishna Kajave

11.	17/04/2024	Comparative evaluation of the effectiveness of two innovative methods in the management of anxiety in a dental office: a randomized controlled trial	Aishwarya Patil
12.	08/05/2024	Comparative Evaluation of Instrumentation Time, Obturation Time, and Radiographic Quality of Obturation Using Two Rotary Systems and Manual Technique for Primary Molar Pulpectomies – In vivo Study	Snehal Kumthekar
13.	30/05/2024	Comparative evaluation of the treatment outcomes of Pulpotomy in Primary Molars using Mineral trioxide aggregate and 3mixtatin: A randomised clinical trial	Bhuvanesh Bhusari
14.	13/06/2024	Assessment of parental attitude towards different behaviour management techniques used in Pediatric dentistry	Sanika karmarkar
15.	19/06/2024	Comparison of relative efficacy of two techniques of enamel stain removal on flourosed teeth: An in vivo study	Bhuvanesh Bhusari
16.	10-07-24	Enhanced Plaque control in preschool children by an intelligent brushing guide device	Sanika Karmarkar
17.	17-07-24	Clinical evaluation of resorbable polylactic acid (PLA) intracanal posts for primary incisor restoration: Randomized controlled clinical trial	Bhuvanesh Bhusari
17.	31-07-24	An evaluation study of behavioural management technique thaumaturgy live modelling and tell show do	Varunika Sahai
18.	07-08-24	Pain assessment during the removal of infected carious dentin using ceramic burs without local anaesthesia in children	Aishwarya Patil
19.	14-08-24	Evaluation of effectiveness of photo biomodulation therapy as an alternative method to local anaesthesia injection in pediatric dentistry	Krishna Kajave
20.	26-08-24	Comparison between digital and conventional impression techniques in children on preference, time and comfort- A cross over randomised controlled trail	Snehal Kumthekar
21.	06-09-24	Comparison evaluation of clinical success of 3 D printed space maintainers and band loop space maintainers	Varunika Sahai
22.	13-09-24	Local anesthesia with sleeper-one S4 computerized device vs traditional syringe and perceived pain in pediatric patient	Aishwarya Patil
23.	20-09-24	Effectiveness of motivational interviewing on oral healthcare in pediatric patients	Snehal Kumthekar

24.	03-10-24	Evaluation of the effectiveness of sucrose versus xylitol application in minimizing pain related to dental injection in 5-7 year old children- A randomised controlled pilot study	Aishwarya Patil
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## Department of Pediatric and Preventive Dentistry

Systematic reviews 2023-24

Sl.No	Name of the student	Year	Title
1.	Bhuvanesh Bhusari	Third year	Evaluation of the effectiveness of Herbal and non-herbal oral hygiene aids among children: A systematic review and meta-analysis
2.	Sanika Karmarkar	Third year	Prognosis of auto transplanted teeth with incomplete root formation in children: A systematic review and Meta analysis
3.	Krishna Kajave	Second year	Evaluation of salivary antioxidant levels in children and adolescents with type 1 diabetes and it's correlation with dental and periodontal health status. – a systematic review and meta-analysis
4.	Varunika Sahai	Second year	Evaluation of effectiveness of various oral health care aids in children and adolescents with special health care needs: a systematic review and meta analysis
5.	Aishwarya Patil	First year	Effectiveness of Insulin Syringe in Reduction of Pain Perception among Children Undergoing Dental Treatment under Local Anaesthesia- A Systematic Review and Meta- Analysis
6.	Snehal Kumthekar	First year	Effectiveness of Binaural beats in reduction of anxiety among children undergoing dental treatment: A systematic review and Meta-analysis

  
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# KLE V.K. Institute of Dental Sciences

(A Constituent unit of KLE Academy of Higher Education & Research  
Deemed-to-be-University u/s 3 of the UGC Act, 1956)  
Nehru Nagar, Belagavi-590 010 INDIA

**Accredited 'A+' grade by NAAC (3<sup>rd</sup> Cycle) & Placed in Category 'A' by MHRD (GoI)**

**☎: 0831-2470362**  
**FAX: 0831-2470640**

Web: <http://www.kledental-bgm.edu.in>  
E-mail: [principal@kledental-bgm.edu.in](mailto:principal@kledental-bgm.edu.in)





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## VII. THE HUMANITIES

### Value Education and personality development

Sl. No.	Particulars	Information
1	Name of the program	Yoga and Meditation Session
2	Program organized by Department	Sports committee of student council
3	Department / Association /Cell involved	Sports Committee of VK Institute Of Dental Sciences Belagavi
4	Yoga Expert	Dr.Sanjeev S Tonni Dr. Vidya Dr. Shrinkala
4	Date	10-12-2024
5	Duration	01 Hour
6	Location	Quadrangle of KLE VK Institute of Dental Sciences, KAHER Belagavi
7	Objective of the program	Promote global health and well-being through yoga. Meditation and mental health awareness for undergraduate students.
8	Activities carried out during the program	Yoga Session conducted. Meditation Session conducted for undergraduate students.
9	No. of Students Participated	120
10	No. of volunteers Participated	20
11.	No. of beneficiaries	150
10	No. of staff Participated	05

## Photographs



*Namho*

Event Co-ordinator



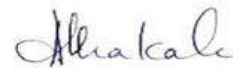
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KLE VK Institute of Dental Sciences

## Communication skill workshop

S.No	Particulars	
1	Name of the Program	Communication skill workshop
2	Programme organized by Department	<b>1<sup>st</sup> BDS coordinator</b>
3	Department / Association / Cell Involved	Department of oral Pathology
4	Date	20 <sup>th</sup> June 2024
5	Duration	4 hrs
6	Location	Lecture hall number 1
7	Objectives of the Programme	To teach and sensitize students on communication skills and teaching soft skills
8	Activities carried out during the Programme	Lecture followed by presentations by students on the topic given to them.
	No of students participated	100
	No of teachers participated	1
	No of beneficiaries benefitted from the programme	100
	Photographs	
	<b>Brief Report</b> The Ist BDS students of 2023-202 attended the communication skill workshop organized in lecture hall no 1 KLE VK Institute of Dental Sciences on 20 <sup>th</sup> June 2024. Mrs Smitha Dalvi conducted the programme. 100 students attended the programmes .	



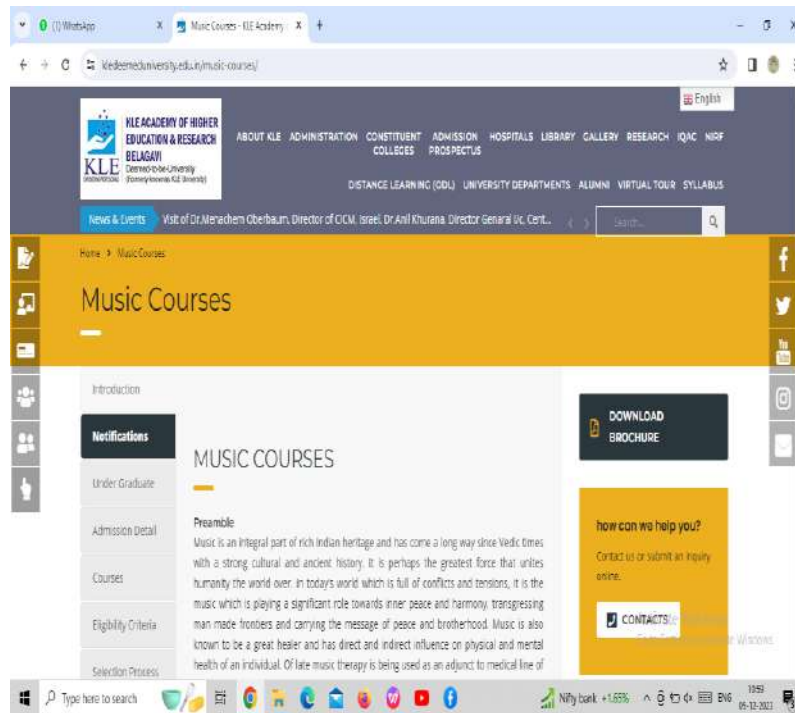
## PHOTOGRAPHS



Principal  
KLE VK Institute of Dental Sciences  
Belagavi

Music kle website link certificate and diploma courses in music

<https://kledeemeduniversity.edu.in/music-courses/>



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Belagavi

## Project Based Learning

### 1. Scientific learning on major and minor projects

#### Department of Oral Pathology & Microbiology

#### Scientific presentations on major and minor Projects 2024 onwards

**PAPER and POSTER / PRESENTATIONS ( add scientific convention , pune pg convention , iaomp conference )**

S.L NO	DATE YEAR Venue	NAME OF PG	TOPIC	NAME OF THE CONFERENCE	AWARD IF ANY
1	15 <sup>th</sup> , 16 <sup>th</sup> and 17 feb 2024. KLE VK IDS	Dr Marina	PANDORA: A novel innovative technique for early detection of oral pre-cancer and cancer.	KLE Scientific convention	1 <sup>st</sup> prize
2	15 <sup>th</sup> , 16 <sup>th</sup> June. 2024 DYP Pune.	Dr Marina	Serum ceruloplasmin levels for the early detection of oral potentially malignant disorder and oral cancer- a systematic review	30 <sup>TH</sup> PG Convention	-
3	29 <sup>th</sup> nov to 1 <sup>st</sup> dec. 2024 Kodaikanal.	Dr Marina	Mapping the mucin signature: uncoding the landscape of verrucous carcinoma and Oral squamous cell carcinoma	31 <sup>st</sup> national IAOMP conference	2 <sup>nd</sup> Prize
4	15 <sup>th</sup> , 16 <sup>th</sup> and 17 feb 2024. KLE VK IDS	Dr Aishwarya	Wonders of chia: A tiny seed with mighty benefits	KLE Scientific convention	
5	15 <sup>th</sup> , 16 <sup>th</sup> June. 2024 DYP Pune.	Dr Anoushka Chauhan	Assessment of micronuclei in the buccal mucosal cells as genotoxicity markers in oral potentially malignant disorders- A systematic review and meta-analysis.	30 <sup>TH</sup> PG Convention	-
6	29 <sup>th</sup> nov to 1 <sup>st</sup> dec. 2024 Kodaikanal.	Dr. Anoushka Chauhan	Salivary telomere length as a diagnostic biomarker for leukoplakia and oral cancer.	31 <sup>st</sup> national IAOMP conference	1 <sup>st</sup> Prize
7	15 <sup>th</sup> , 16 <sup>th</sup> and 17 feb 2024. KLE VK IDS	Dr. Gowsalya M	Presenting a sterilizer for outreach program- Portable dental UV sterilizer	KLE Scientific convention	1 <sup>st</sup> prize

S.L NO	DATE YEAR Venue	NAME OF PG	TOPIC	NAME OF THE CONFERENCE	AWARD IF ANY
8	15 <sup>th</sup> , 16 <sup>th</sup> June. 2024 DYP Pune.	Dr. Gowsalya M	Clinical relevance of altered serum lipid profile in early detection of cancer- A systematic review and meta analysis	30 <sup>TH</sup> PG Convention	-
9	15 <sup>th</sup> , 16 <sup>th</sup> June. 2024 DYP Pune	Dr. Bidisha Borah	Benghal Shrub Mint: Unleashing Nature's Benefit	30 <sup>TH</sup> PG Convention	
10	29 <sup>th</sup> nov to 1 <sup>st</sup> dec. 2024 Kodaikanal	Dr. Bidisha Borah	Evaluation of anti-bacterial activity of leaf - extract of Pogostemon benghalensis (East Indian Patchouli) against selective oral bacteria	31st national IAOMP conference	
11	15 <sup>th</sup> , 16 <sup>th</sup> June. 2024 DYP Pune.	Dr. Vidya M	Accuracy of ABO blood group determination using dental pulp in forensic identification: A systematic review and meta-analysis	30 <sup>TH</sup> PG Convention	

## Dissertation topics 2024 onwards:

S.No	Name	Title	Guides
1	Dr Aishwarya Lambe	Evaluation of anticancer activity of aqueous extract of chia seed in oral squamous cell carcinoma cell lines	Dr Deepa R Mane Dr Priya shetti
2	Dr Anoushka Chauhan	Assessment of circulating tumor cells in oral leukoplakia and oral squamous cell carcinoma using flow cytometry	Dr. Punnya Angadi Rao
3	Dr Marina B Joseph	Comparative assessment of anti-cancer activity of different extracts of lemongrass in oral squamous cell carcinoma cell lines: an invitro study	Dr. Veena Naik, Dr. Priyashetti

## Systematic review topics 2024onwards:

S.NO	Name	Title	Guides
1	Dr Aishwarya Lambe	“Oral Basaloid Squamous cell carcinoma: A systematic review of published case reports and case series	Dr Deepa R Mane
2	Dr Anoushka Chauhan	Assessment of micronuclei in the buccal mucosal cells as genotoxicity markers in oral potentially malignant disorders- A systematic review and meta-analysis	Dr. Punnya Angadi Rao
3	Dr Marina B Joseph	Serum ceruloplasmin levels for the early detection of oral potentially malignant disorder and oral cancer- a systematic review	Dr. Veena Naik.



Prof and Head

Department of Oral Pathology and Microbiology  
KLE Institute of Dental Sciences  
Belagavi



Principal

KLE Institute of Dental Sciences  
Belagavi





KLE Academy of Higher Education & Research  
KLE VISHWANATH KATTI INSTITUTE OF DENTAL SCIENCES, BELAGAVI  
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## XXVII SCIENTIFIC CONVENTION

15th, 16th & 17th February, 2024

Host : DEPARTMENT OF ORAL MEDICINE & RADIOLOGY

Research to Practice "Turning Knowledge into Action"

# Certificate of Participation

Awarded to **Dr. Marina B. Joseph**

for presenting Review Poster titled

**PANDORA : A novel innovative technique for early detection of  
oral pre-cancer and cancer.**

at the XXVII Scientific Convention held on 15th to 17th February, 2024.

  
**DR. ALKA KALE**  
Principal

  
**DR. ZAMEERA NAIK**  
Organising Chairman

  
**DR. VASANTI JIRGE**  
Organising Secretary

  
**DR. ARVIND SHETTI**  
Chairman Scientific Committee



**Dr. D. Y. PATIL VIDYAPEETH, PIMPRI, PUNE**  
(Deemed to be University)

(Accredited (3<sup>rd</sup> Cycle) by NAAC with a CGPA of 3.64 on four point scale at 'A++' Grade)  
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An Institutional IQAC Initiative

## **XXI IAOMP National Post Graduate Convention 2024**

**Department of Oral and Maxillofacial Pathology and Oral Microbiology**

**Dr. D. Y. Patil Dental College and Hospital**

**Pimpri, Pune, Maharashtra**

*Theme: Embrace the Basics- A Timeless Approach to Excellence*

### **CERTIFICATE**

of Participation

This is to certify

Dr. MARINA B. JOSEPH

has presented Paper/Poster as author

in

**XXI IAOMP National Post Graduate Convention 2024**

held on 15<sup>th</sup> & 16<sup>th</sup> June, 2024



MSDC/CDE/261/2024-2025

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Organizing Secretary







# 31<sup>st</sup> NATIONAL CONFERENCE OF IAOMP

Host : Department of Oral & Maxillofacial Pathology  
CSI COLLEGE OF DENTAL SCIENCES AND RESEARCH  
HOTEL KODAI INTERNATIONAL, Kodaikanal



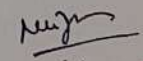
## Scientific Presentation

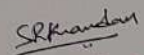
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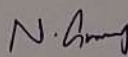
**Scientific Presentation** at the conference held between 29<sup>th</sup> November to  
1<sup>st</sup> December 2024 at Hotel Kodai International, Kodaikanal.


  
**Dr. Puneet Ahuja**  
Hon. President

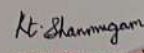
  
**Dr. Nadeem Jedy**  
Hon. Secretary

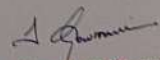
  
**Dr. S.R.K. Nandan**  
Hon. Treasurer


  
**Dr. Pratibha Ramani**  
Conference Secretary

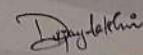
  
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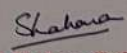
  
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Scientific Chairperson - Faculty

  
**Dr. D. Vijayalakshmi**  
Scientific Chairperson - Post Graduate

  
**Dr. S. Shabana Fathima**  
Scientific Chairperson - Post Graduate



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# Certificate of Participation

Awarded to **Dr. Aishwarya Lamba**  
for presenting **Review Poster** titled

**Wonders of Chia :**

**A comprehensive review of the tiny seed with mighty benefits**

at the XXVII Scientific Convention held on 15th to 17th February, 2024.

  
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**Department of Oral and Maxillofacial Pathology and Oral Microbiology**

**Dr. D. Y. Patil Dental College and Hospital**

**Pimpri, Pune, Maharashtra**

*Theme: Embrace the Basics- A Timeless Approach to Excellence*

### **CERTIFICATE**

of Participation

This is to certify

Dr. ANOUSHKA CHAUHAN

has presented Paper/Poster as author

in

**XXI IAOMP National Post Graduate Convention 2024**

held on 15<sup>th</sup> & 16<sup>th</sup> June, 2024



MSDC/CDE/261/2024-2025

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## Scientific Presentation

This certificate is awarded to

Dr. ANUSHKA CHAUHAN..... in appreciation for

**Scientific Presentation** at the conference held between 29<sup>th</sup> November to  
1<sup>st</sup> December 2024 at Hotel Kodai International, Kodaikanal.

**Dr. Puneet Ahuja**  
Hon. President

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## XXI IAOMP National Post Graduate Convention 2024

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### CERTIFICATE

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This is to certify

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has presented Paper/Poster as author

in

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MSDC/CDE/261/2024-2025



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**Department of Oral and Maxillofacial Pathology and Oral Microbiology**

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**Pimpri, Pune, Maharashtra**

*Theme: Embrace the Basics- A Timeless Approach to Excellence*

### **CERTIFICATE**

of Participation

This is to certify

Dr. Bidisha Borah

has presented Paper/Poster as author

in

**XXI IAOMP National Post Graduate Convention 2024**

held on 15<sup>th</sup> & 16<sup>th</sup> June, 2024



MSDC/CDE/261/2024-2025

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1<sup>st</sup> December 2024 at Hotel Kodai International, Kodaikanal.

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Hon. President

**Dr. Nadeem Jeddy**  
Hon. Secretary

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**Dr. Pratibha Ramani**  
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Organizing Secretary

**Dr. K.T. Shanmugam**  
Joint Organizing Secretary

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Treasurer

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An Institutional IQAC Initiative

## **XXI IAOMP National Post Graduate Convention 2024**

**Department of Oral and Maxillofacial Pathology and Oral Microbiology**

**Dr. D. Y. Patil Dental College and Hospital**

**Pimpri, Pune, Maharashtra**

*Theme: Embrace the Basics- A Timeless Approach to Excellence*

### **CERTIFICATE**

of Participation

This is to certify

Dr. VIDYA M.

has presented Paper/Poster as author

in

**XXI IAOMP National Post Graduate Convention 2024**

held on 15<sup>th</sup> & 16<sup>th</sup> June, 2024



MSDC/CDE/261/2024-2025

**Dr. Puneet Ahuja**  
IAOMP President

**Dr. Nadëem Jeddy**  
IAOMP Secretary

**Dr. SRK Nandan**  
IAOMP Treasurer

**Dr. Prashant Rao**  
MSDC Representative

**Dr. Mamatha Reddy**  
Organizing Chairperson

**Dr. Gargi Sarode**  
Organizing Secretary







## ROLE PLAY

Role play is a method through which a group of students can present a topic related to health promotion or disease prevention in the form of a drama to the remaining students. This would encourage students to actively participate in the topic when compared to the passive learning through didactic lectures. This develops students' ability to work as team and improves their communication skills, which they would require while dealing with their patients.

Role play projects real life situations in the form of a playful act. This develops interest in the subject among students thereby enhancing their active learning process. These role plays can help students to apply these concepts in a more spontaneous and smooth way when they face such clinical situation in real time. Teaching and learning through role play seems to be more motivational strategy to help students apply these concepts and ideas into their practice. The students are likely to get much more motivated towards self-directed learning through role plays.

## Student centric method: Role Play

S.No	Particulars	
1	Name of the Program	Role Play on the event of World Prosthodontics Day
2	Programme organized by Department	Dept of Prosthodontics and Crown and Bridge
3	Department / Association / Cell Involved	Dept of Prosthodontics and Crown and Bridge
4	Date	23-01-2024
5	Duration	20 Minutes
6	Location	Prosthodontics Gallery Hall
7	Objectives of the Programme	To create awareness about different treatment modalities in Prosthodontics
8	Activities carried out during the Programme	Role Play
	No of students participated	20
	No of teachers participated	15
	No of beneficiaries benefitted from the programme	50
	Photographs	
	 	



Prof and Head  
Prosthodontics



Principal Department of  
KLE Institute of dental sciences  
Belagavi



# KLE V.K. Institute of Dental Sciences

(A Constituent unit of KLE Academy of Higher Education & Research  
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Nehru Nagar, Belagavi-590 010 INDIA

**Accredited 'A+' grade by NAAC (3<sup>rd</sup> Cycle) & Placed in Category 'A' by MHRD (GoI)**

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E-mail:[principal@kledental-bgm.edu.in](mailto:principal@kledental-bgm.edu.in)



## List of student centric teaching learning methods

Sr. No.	Particulars	Proofs
1	Educational CD available in libraries	<a href="http://10.0.0.81:8080/jspui/">http://10.0.0.81:8080/jspui/</a>
2	You-tube video	<a href="https://www.youtube.com/channel/UCcjOvEqMx6mtRsQM4ycRryg">https://www.youtube.com/channel/UCcjOvEqMx6mtRsQM4ycRryg</a>
3	E-journal and e-text books	<a href="https://www.clinicalkey.com/#!/">https://www.clinicalkey.com/#!/</a> <a href="https://search.proquest.com/200996">https://search.proquest.com/200996</a> <a href="http://10.0.0.81:8080/jspui/">http://10.0.0.81:8080/jspui/</a> <a href="https://health.ebsco.com/products/dentistry-ora">https://health.ebsco.com/products/dentistry-ora</a> <a href="https://www.wileyindia.com/WileyOnlineReso">https://www.wileyindia.com/WileyOnlineReso</a> <a href="https://www.wileyindia.com/WileyOnlineReso">https://www.wileyindia.com/WileyOnlineReso</a>



# KLE V.K. Institute of Dental Sciences

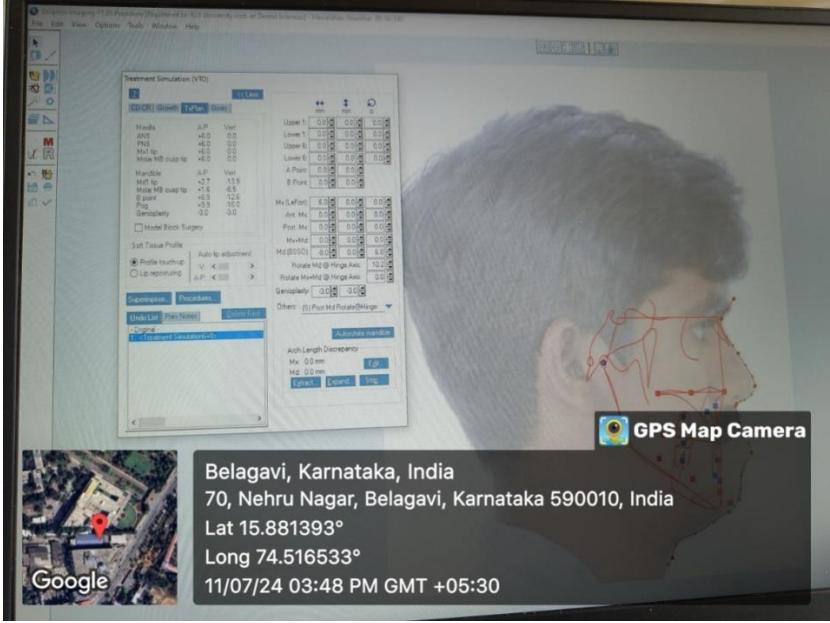
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4	Blended Learning	<a href="https://docs.google.com/forms/d/e/1FAIpQLSd3yJqijpTh21r03yxWSsn-S5mHshhSg5YsnWy3xFCou3TWrQ/viewform">https://docs.google.com/forms/d/e/1FAIpQLSd3yJqijpTh21r03yxWSsn-S5mHshhSg5YsnWy3xFCou3TWrQ/viewform</a> <a href="https://docs.google.com/forms/d/e/1FAIpQLSd3yJqijpTh21r03yxWSsn-S5mHshhSg5YsnWy3xFCou3TWrQ/viewform">https://docs.google.com/forms/d/e/1FAIpQLSd3yJqijpTh21r03yxWSsn-S5mHshhSg5YsnWy3xFCou3TWrQ/viewform</a> <a href="https://docs.google.com/forms/d/e/1FAIpQLSc71ktC_bRF7o9rT0NvAzpKC7EqPdV2FFm3kt3ub4DVbG2lw/viewform">https://docs.google.com/forms/d/e/1FAIpQLSc71ktC_bRF7o9rT0NvAzpKC7EqPdV2FFm3kt3ub4DVbG2lw/viewform</a>
5	Dolphin software Orthodontics dept.	
6.	Integrated Teaching and Learning	Time table enclosed



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7.	Enrichment course for Interns	
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*Alka Kale*


**Dr Alka Kale** MDS, Ph.D

Principal

KLE VK Institute of Dental Sciences


Belagavi

### INCLUSIVE REMEDIAL TEACHING

S.No	Contents	Details
1.	Name of the Department	Department of Swasthavrittha and Kaumarabritya
2.	Type of Differential Learning Method	Inclusive Remedial Teaching
3.	Date	19-2-24
4.	Name of the Teaching Faculty	Dr. Ashok Patil and Dr. Veena K H
5.	Number of faculties involved	2
6.	Venue	Respective Departments
7.	Number of Beneficiaries	4 and 2
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> and 3 <sup>rd</sup> Professional BAMS Students
9.	Objective of the class	To support their learning gaps and difficulties
10.	Outcome	Students received individualized support in an inclusive setting, which helped them to attain significant progress in academic skills.
11.	Photo Gallery	



### PEER ASSISTED REMEDIAL TEACHING

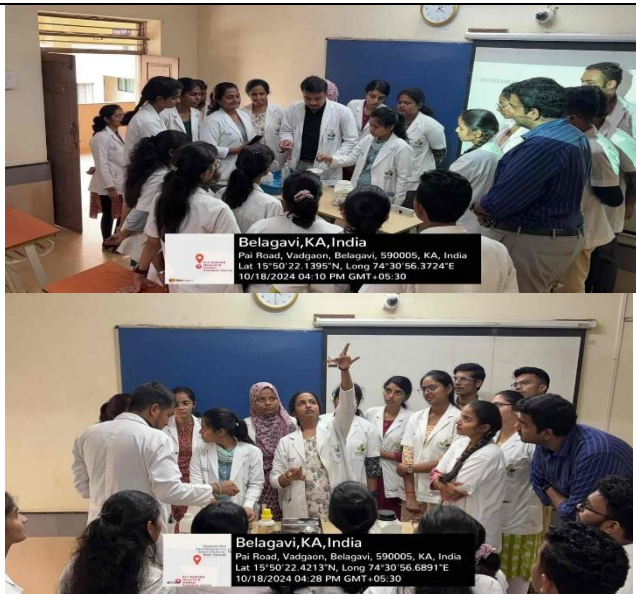
S.No	Contents	Details
1.	Name of the Department	Department of Prasooti tantra and Striroga
2.	Type of Differential Learning Method	Peer assisted Remedial Teaching
3.	Date	16-03-24
4.	Name of the Facilitator	Dr. Jayasheela Goni
5.	Number of faculties involved	1
6.	Venue	Lecture hall No-3
7.	Number of Beneficiaries	05
8.	Category of Beneficiaries	UG -3 <sup>rd</sup> Professional BAMS Students
9.	Objective of the class	To facilitate slow learners to learn Garbha shareera topic in depth from peer students.
10.	Outcome	Slow learners learnt the topic in depth.
11.	Photo Gallery	



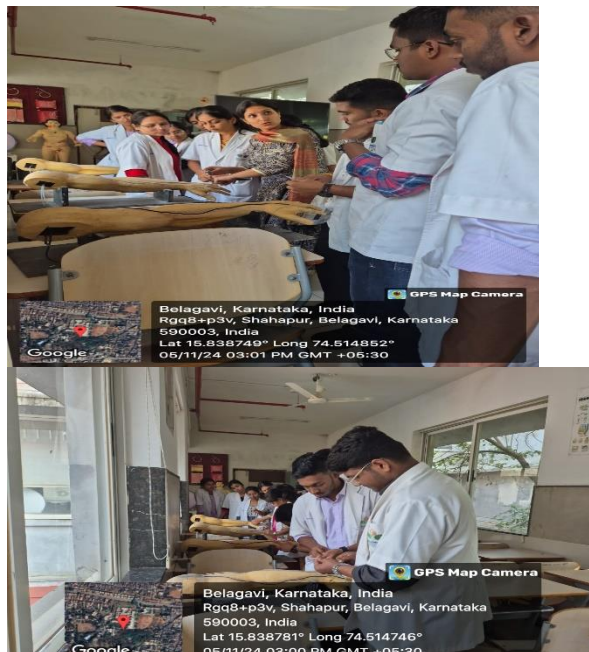
PRINCIPAL

Shri B. M. Kankanawadi  
Ayurved Mahavidyalaya  
A Constituent Unit of KAHER  
Shahapur, BELAGAVI-03.

### MULTISENSORY REMEDIAL TEACHING

S.No	Contents	Details
1.	Name of the organizing Department	Department of Kayachikitsa
2.	In association with	Dept.of Rasashastra and Bhaishajya Kalpana.
3.	Type of Differential Learning Method	Multisensory Remedial Teaching
4.	Date	18-10-24
5.	Name of the facilitator	Dr. Rohan Mohan Das
6.	Number of faculties involved	3
7.	Venue	Lecture hall No -4
8.	Number of Beneficiaries	25
9.	Category of Beneficiaries	UG - 4 <sup>th</sup> Professional BAMS Students
10.	Objective	To help students understand and comprehend the preparation method of Herbal Lipstick and Hand Sanitizer
11.	Outcome	Students were able to prepare the Herbal Lipstick and Hand Sanitizer.
12.	Photo Gallery	

### SKILL BASED TEACHING

S.No	Contents	Details
1.	Name of the Department	Department of Roganidana
2.	Type of Differential Learning Method	Skill based teaching
3.	Date	05-11-24
4.	Name of the Teaching Faculty	Dr. Hemlata Shete
5.	Number of faculties involved	1
6.	Venue	Skill Lab
7.	Number of Beneficiaries	25
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> Professional BAMS Students
9.	Objective of the class	To enhance students skills for intravenous needle insertion
10.	Outcome	Students were able to perform intravenous needle insertion
11.	Photo Gallery	 <p>Belagavi, Karnataka, India Rgq8+p3v, Shahapur, Belagavi, Karnataka 590003, India Lat 15.838749° Long 74.514852° 05/11/24 03:01 PM GMT +05:30</p> <p>Belagavi, Karnataka, India Rgq8+p3v, Shahapur, Belagavi, Karnataka 590003, India Lat 15.838751° Long 74.514746° 05/11/24 03:00 PM GMT +05:30</p>




PRINCIPAL

Shri B. M. Kankanawadi  
Ayurved Mahavidyalaya  
A Constituent Unit of KAHER  
Shahapur, BELAGAVI-03.




### INDIVIDUALIZED TEACHER INTERVENTIONS

S.No	Contents	Details
1.	Name of the Department	Department of Kayachikitsa
2.	Type of Differential Learning Method	Individualized Teacher Interventions
3.	Date	14-11-24
4.	Name of the Teaching Faculty	Dr. Kashavva Hiremath
5.	Number of faculties involved	1
6.	Venue	Department
7.	Number of Beneficiaries	1
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> Professional BAMS Student
9.	Objective of the class	To Support students' social and emotional growth by addressing their individual needs and fostering a positive learning environment.
10.	Outcome	Helped student to develop healthy relationships and coping strategies..
11.	Photo Gallery	



**PRINCIPAL**  
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Ayurved Mahavidyalaya  
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Shahapur, BELAGAVI-03.B

### LANGUAGE BARRIER REMEDIAL

S.No	Contents	Details
1.	Name of the organizing Department	Department of Samhita Siddhanta and Sanskrit
2.	Type of Differential Learning Method	Language Barrier Remedial
3.	Name of the event	Vadatu Sanskritam Workshop
4.	Date of the event organized	22-1-24
5.	Name of the Coordinator	Dr. Prashant Gaonkar
6.	Number of faculties involved	1
7.	Venue	Lecture hall No -1
8.	Number of Beneficiaries	100
9.	Category of Beneficiaries	UG -1 <sup>st</sup> Professional BAMS Students
10.	Objective of the class	To help the students for easy understanding of Sanskrit shlokas.
11.	Outcome	Helped students to feel more confident in understanding of the Sanskrit shlokas.
12.	Photo Gallery	



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## KLE COLLEGE OF PHARMACY, BELAGAVI

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**B. Pharm** program has been accredited by **NBA** (4<sup>th</sup> Cycle) for a period of **6 years** (up to June 2025)



**Dr. Sunil S. Jalalpure,**  
Principal

KLE College of Pharmacy, JNMC Campus, Nehru Nagar, Belagavi Karnataka, India-590 010,

Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

### EXPERIENCIAL LEARNING

- |                              |
|------------------------------|
| 1. Practical Components      |
| 2. Industrial training       |
| 3. Health camps              |
| 4. Technology based learning |

**Principal**  
**KLE College of Pharmacy,**  
**Belagavi**





KLE COLLEGE OF PHARMACY, BELGAUM  
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## PHARM. D -1<sup>ST</sup> YEAR TIME TABLE FOR THE ACADEMIC YEAR 2023-24 (w.e.f. 01/08/2023)

DAY/ TIME	9.0-10.0	10.0-11.0	11.0-12.0	12.0-01.0 TUTORIALS	02.0-03.0	03.0-04.0	04.0-05.0
MONDAY	Pharm. Inorg Chemistry [MSP]	Pharmaceutics [PMD]	Medicinal Biochemistry [SIBIA]	Pharmaceutics [PMD]	L U N C H B R E A K	Pharmaceutics PRACTICAL [BATCH- A] [PMD/SH] Pharm Inorganic Chemistry PRACTICAL [BATCH- B] [PK]	
TUESDAY	Pharmaceutics [PMD]	H.A.P [AM]	Remed. Math/ Biology (Nagaraju/GAK)	Pharm. Inorg Chemistry [MSP]		Pharm Inorganic Chemistry PRACTICAL [BATCH- A][PK] Pharm Organic Chemistry PRACTICAL [BATCH- B] [SM/PB]	
WEDNESDAY	Pharm. Inorg Chemistry [MSP]	Pharm. Organic Chem [PB]	Remed. Math/ Biology (Nagaraju/GAK)	H.A.P [AM]		H.A.P. PRACTICAL [BATCH- A] [AM] Medicinal Biochemistry PRACTICAL [BATCH- B] [SIBIA]	
THURSDAY	Medicinal Biochemistry [DNS]	Pharm. Organic Chem [PB]	H.A.P [AM]	Medicinal Biochemistry [SIBIA/DNS]		Medicinal Biochemistry PRACTICAL [BATCH- A] [SIBIA] Pharmaceutics PRACTICAL [BATCH- B] [SH]	
FRIDAY	H.A.P [AM]	Pharm. Organic Chem [PB]	Remed. Math/ Biology (Nagaraju/GAK)	Pharm. Organic Chem [PB] Tut		Pharm Organic Chemistry PRACTICAL [BATCH- A] [SM/PB] H.A.P. PRACTICAL [BATCH- B] [AM]	
SATURDAY	Medicinal Biochemistry [SIBIA]	Remed. Biology PRACTICAL (GAK)					

BATCH -A: Roll No 01 - 15

BATCH -B: Roll No: 16 -30

DNS- Mr. D.N.SASTRY  
MSP- Dr. M. S. PALLED

PMD- Dr. P. M. DANDAGI  
GAK- Dr. G. A. KALYANI

AM- Mr. ABHINANDAN MUNNOLLI  
PB-Dr. PARIXIT BHANDURGE

SH- Mr. SUJAY HULYALKAR  
SM- Mr. SOURABH MALABADE

CLASS TEACHER: Mr. ABHINANDAN MUNNOLLI



*[Signature]*  
PRINCIPAL  
KLE College of Pharmacy  
BELAGAVI - 10.



KLE COLLEGE OF PHARMACY, BELGAUM  
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## B. PHARM 1<sup>ST</sup> SEMESTER (RS<sub>3</sub>) TIME TABLE FOR THE ACADEMIC YEAR 2023-24 (w.e.f. 17/07/2023)

DAY/TIME	9.0-10.0	10.0-11.0	11.0-12.0	12.0-01.0	L U N C H B R E A K	02.0-03.0	03.0-04.0	04.0-05.0
MONDAY	Pharmaceutics PRACTICAL [BATCH-A] [VM+UK] Pharmaceutical Analysis PRACTICAL [BATCH-B] [RK] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-C] [KG] H. A. P- I [BATCH-D] [PP]					Pharmaceutics [NS]	Remedial Maths/ Biology [Nagaraju/ GAK]	H. A. P- I [PP]
TUESDAY	Pharmaceutics [VM]	Pharmaceutical Analysis [RK]	Communication skills [AP]	Pharmaceutical Inorganic Chemistry [Tut] [KG]		Pharmaceutical Analysis [RK]	Remedial Maths/ Biology [Nagaraju/ GAK]	Pharmaceutical Analysis [Tut] [RK]
WEDNESDAY	Pharmaceutical Analysis [RK]	H. A. P- I [PP]	Pharmaceutics [Tut] [NS]	H. A. P- I [Tut] [PP]		Pharmaceutical Inorganic Chemistry [KG]	Communication skills [AP]	
THURSDAY	Pharmaceutics PRACTICAL [BATCH-B] [NS+RRK] Pharmaceutical Analysis PRACTICAL [BATCH-C] [RK] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-D] [KG] H. A. P- I [BATCH-A] [PP]					Pharmaceutics [NS]	Pharmaceutical Inorganic Chemistry [KG]	H. A. P- I [PP]
FRIDAY	Pharmaceutics PRACTICAL [BATCH-C] [NS+UK] Pharmaceutical Analysis PRACTICAL [BATCH-D] [RK] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-A] [KG] H. A. P- I [BATCH-B] [PP]					Pharmaceutical Inorganic Chemistry [KG]	Communication Skills-Lab [AP]	
SATURDAY	Pharmaceutics PRACTICAL [BATCH-D] [NS+RRK] Pharmaceutical Analysis PRACTICAL [BATCH-A] [SG] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-B] [KG] H. A. P- I [BATCH-C] [PP]						Rem Biol Lab [GAK]	
BATCH-A: Roll No: 01 to 35 BATCH-B: Roll No: 36 to 70 BATCH-C: Roll No: 71 to 105 BATCH-D: Roll No: 106 to 140								

BATCH-A: Roll No: 01 to 25

BATCH-B: Roll No: 26 to 50

BATCH-C: Roll No: 51 to 75

BATCH-D: Roll No: 76 to 100

NS - Mrs. NISHA SHIRKOLI  
RK- Ms. ROHINI KAVALAPURE

GAK- Dr. G. A. KALYANI  
VM- Dr. VINODKUMAR MANNUR

KG- Mr. KIRAN GAIKWAD  
PP- Dr. PRIYANKA PATIL

AP- Ms. ANNIE PRAXASH  
SG- Mr. SHANKAR GHARGE

CLASS TEACHER: Mr. KIRAN GAIKWAD



*[Signature]*  
PRINCIPAL  
KLE College of Pharmacy  
BELAGAVI - 10.



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## KLE College of Pharmacy, Belagavi List of B Pharm students Trained at Industry/Hospital/Pharmacy training January 2024- December 2022

Sr. No	Date From -To	Name of the Industry/Hospital/Pharmacy	Name of the student
1.	03/07/2024 to 24/07/2024	Elegant Drugs Pvt.Ltd	Praveen Uppin
2.	02/07/2024 to 22/07/2024	Hll Life Care Limited Kanagala	Sneha Desai
3.	02/07/2024 to 22/07/2024	HLL Lifecare Limited,Kanagala	Sukanya.Ravindra.Patil
4.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd	Sushma Sadashiv Nishanadar
5.	01/07/2024 to 20/07/2024	Empree Medicaments Pvt.Ltd , Honaga Belgaum	Tanzeemahmed Meerasab Peerzade
6.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd	Adil Belawadi
7.	09/07/2024 to 27/07/2024	Jss Hospital Mysore	Akanksha Ghadi
8.	01/07/2024 to 24/07/2024	Sg Phyto Pharma Ltd Kolapur Maharashtra	Akash Boraganve
9.	01/07/2024 to 24/07/2024	S G Phytopharma	Amar D
10.	01/07/2024 to 23/07/2024	Arar Pharmaceuticals Belagavi, 590015	Amol Mahaveer Patil
11.	09/07/2024 to 27/07/2024	Jss Hospital Mysore	Amruta Kulkarni
12.	10/07/2024 to 31/07/2024	Pfizer Limited	Anam Sayeed Shaikh
13.	08/07/2024 to 24/07/2024	Fdc Limited-I Verna Industrial Estate, Phase Ii- D, Verna, Goa	Anamika Chougule
14.	01/07/2024 to 22/07/2024	Watson Pharma ( TEVA Pharmaceuticals)	Ananya Pandey
15.	01/07/2024 to 23/07/2024	ARAR.Pharmaceutical Research Center Pvt Ltd	Anurag Pattanashetti
16.	01/07/2024 to 20/07/2024	Empree Pvt. Ltd	Anushree Uttur
17.	01/07/2024 to 22/07/2024	Teva Pharmaceuticals	Atharv Daddi
18.	02/07/2024 to 20/07/2024	Blue Cross Laboratories	Chaitrali Maradi
19.	01/07/2024 to 20/07/2024	Empree Medicament ( India ) Pvt Ltd	Chanchal Tapdiya
20.	04/07/2024 to 02/08/2024	Himalaya Wellness Company Makali	Gangadhar S Meled
21.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd.	Hrithika Rajagolkar
22.	01/07/2024 to 22/07/2024	Industry -PADM Laboratories Pvt.Ltd.,#C-139,2nd C Main Rd, Bengaluru	Keerti Somanath Hatti



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23.	02/07/24 to 20/07/24	Bluecross Laboratories	Krutika Krishna Shet
24.	01/07/2024 to 24/07/2024	Sg Phyto Pharma Pvt. Ltd. Kolhapur Maharashtra	Madev Kareppa Saravar
25.	01/07/2024 to 15/07/2024	Jubilant Pharmova Limited	Mahek Mogal
26.	01/07/2024 to 22/07/2024	Teva Pharmaceuticals   Watson Pharma Pvt. Ltd, Goa	Mahesh Bugade
27.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Center Pvt.Ltd.	Malagouda Patil
28.	2/07/2024 to 23/07/2024	Elegant Drug Pvt Ltd	Yash Manepure
29.	01/07/2024 to 20/07/2024	Peenya Pharmaceutical Pvt Ltd	Megha Rajshekhar Kurabet
30.	08/07/2024 to 25/07/2024	Senses Pharmaceutical Private Limited Bangalore	Mitali Sanjay Kamat
31.	01/07/2024 to 23/07/2024	Sg Phyto Pharma Pvt.Ltd.	Mohammed Junaid
32.	01/07/2024 to 22/07/2024	Shri Bhavani Pharmaceutical Industry Rayapur Dharwad	Madhuri Naik
33.	02/07/2024 to 20/07/2024	Micro Labs Limited	Naman Kothari
34.	08/07/2024 to 20/07/2024	Micro Labs Limited	Nandini Kulkarni
35.	01/07/2024 to 23/07/2024	S G Phyto Pharma Pvt.Ltd,Kolhapur	Nihalhammad.M.Attar
36.	01/07/2024 to 24/07/2024	Sg Phyto Pharma Pvt Ltd.	Parashuram Bugadannavar
37.	08/07/ 2024 to 25/07 2024	Senses Pharmaceutical Pvt Ltd	Patil Purva Pradeep
38.	04/07/2024 to 26/07/2024	Hll Lifecare Limited, Kanagala	Pooja C Chougala
39.	01/07/2024 to 23/07/2024	Arar Pharmaceutical Research Centre Pvt. Ltd.	Poornima Mathad
40.	01/07/ 2024 to 23/07/2024	Arar Pharmaceutical Research Center	Pratiksha Mallasarji Patil
41.	04/07/2024 to 26/07/2024	Hll Lifecare Limited, Kanagala(Belagavi)	Priya V Shettennavar
42.	08/07/2024 to 20/07/2024	Microlabs	Priyanka Saini
43.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd Honaga,Belagavi	Rachana
44.	08/07/2024 to 20/07/2024	Micro Labs Pvt Limited	Radhika Faldu
45.	01/07/2024 to 23/07/2024	Arar Pharmaceutical Research Centre Pvt. Ltd.	Rahul Allappa Pujari
46.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Center Pvt.Ltd	Rahul Bajirao Shinde
47.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Center Pvt LTD	Rakhi N Patil
48.	01/07/2024 to 22/07/2024	Padm Laboratory Pvt. Ltd Bangalore 560058	Rakshita Rattu



49.	01/07/2024 to 24/07/2024	Sg Phyto Pharma Pvt.Ltd.	Rohit Basappa Nidavani
50.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Autonagar	Ronak Baptist Dsouza
51.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Pvt Limited	Sahil Kadolkar
52.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd	Sairaj Desai
53.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Pvt. Limited	Sairaj Tukaram Bhogan
54.	01/07/2024 to 22/07/2024	Elegant Drug Pvt.Ltd	Samarth Desai
55.	02/07/2024 to 20/07/2024	Shri Bhavani Pharmaceuticals	Samruddhi Yatageri
56.	08/07/2024 to 01/08/2024	Micro Labs Ltd, Peenya, Bangalore 560058	Samruddhi Vilas Shinde
57.	02/07/2024 to 27/07/2024	Madhur Pharma & Research Laboratories Private Limited	Sanjana Patil
58.	01/07/2024 to 25/07/2024	Medispray Laboratories Pvt.Ltd Kundaim,Goa	Seemra Maaz Bhaiji
59.	08/07/2024 to 01/08/2024	Micro Labs LTD, Peenya Bangalore	Sejal Satish Kadam
60.	01/07/2024 To 23/07/2024	ARAR Pharmaceutical Research Center Pvt.Ltd	Shashiranjana Kumar
61.	08/07/2024 to 25/07/2024	Fdc Limited-I Verna Industrial Estate, Phase II- D, Verna, Goa	Shreya Y Pawashe
62.	01-07-2024 to 20/07/2024	Empree Medicaments Pvt Ltd	Shridhar S.Tumari
63.	01/07/2024 to 20/07/2024	Empree.Medicaments.Pvt Ltd	Shrigouri Shatagouda Patil
64.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd	Shweta Waghe
65.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Pvt Ltd, Belagavi	Simra Basarikatti
66.	01/07/2024 to 20/07/2024	Shree Anand Life Science Ltd	Sneha Bandiwadekar
67.	08/07/2024 to 20/07/2024	Micro Labs Hosur	Sneha Koparde
68.	01/07/2024 to 23/07/2024	Arar Pharmaceutical Research Centre Pvt. Ltd	Soumya Rajendra Jainar
69.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd	Suchand Patil
70.	01/07/2024 to 24/07/2024	Sg Phyto Pharma Pvt.Ltd. B-53/D-21, M.I.D.C., Gokulshirgaon, Kolhapur 416237. Maharashtra. India	Sudeep S Koppad
71.	15/07/2024 to 05/08/2024	Elegant Drugs Pvt Ltd	Suleman Nadaf
72.	08/07/2024 to 01/08/2024	Microlabs Limited Peenya, Bangalore	Suma. M. Toranagatti
73.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Private Limited	Sumit Maruti Patil





# KLE COLLEGE OF PHARMACY, BELAGAVI

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**B. Pharm** program has been accredited by **NBA** (4<sup>th</sup> Cycle) for a period of **6 years** (up to June 2025)



**Dr. Sunil S. Jalalpure,**  
Principal

KLE College of Pharmacy, JNMC Campus, Nehru Nagar, Belagavi Karnataka, India-590 010,

Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

74.	01/07/2024 to 24/07/2024	Sg Phyto Pharma Pvt. Ltd.	Supreet R Balikai
75.	01/07/2024 to 24/07/2024	P. D Navkar Bio Chem Private Limited	Tanay Aniket Bhingurde
76.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Pvt.Ltd	Vaishnavi Hanamant Patil
77.	02/07/2024 to 23/07/2024	Elegant Drugs Pvt. LTD. Pharmaceutical Manufacturers	Vaishnavi B Patil
78.	01/07/2024 to 20/07/2024	Peenya Pharma Pvt Ltd	Vaishnavi Sandeep Chandagadkar
79.	01/07/2024 to 22/07/2024	Elegant Drugs Pvt. Ltd. Hubli-Karwar Highway Chalmatti	Vani S Pattar
80.	01/07/2024 to 23/07/2024.	Arar Pharmaceutical Research Centre Pvt. Ltd	Vishal Sanjay Jabade
81.	04/07/2024 to 24/07/2024	Sg Phyto Pharma Pvt.Ltd	Yashaswini Joshi
82.	05/07/2024 to 05/08/2024	Protech Biopharm Pvt Ltd	Mehraj Ahmad Dar
83.	02/07/2024 to 23/07/2024	Elegant Drugs Pvt.LTD Pharmaceutical Manufacturer	Pratik Basagoudar
84.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Pvt Ltd	Gayatri Chandrakant Pawar
85.	02/07/2024 to 23/07/2024	Elegant Drugs Pvt.Ltd. Pharmaceutical Manufacturers.	Santosh S Hebbalkar
86.	08/07/2024 to 01/08/2024	Microlabs Limited Peenya 3rd Phase Bangalore	Khushi Kalghatkar
87.	01/07/2024 to 22/07/2024	Elegant Drugs Pvt. Ltd	Koli Pratibha
88.	01/07/2024 to 23/07/2024	Arar Pharmaceutical Research Centre Pvt. Ltd	Kumar B Koneri
89.	15/07/2024 to 05/08/2024	Elegant Drugs Pvt Ltd	Mohammad Sami Mulla
90.	01/07/2024 to 23/07/2024	Arar Pharmaceutical Research Centre Pvt Ltd	Manikant Karadesai
91.	01/07/2024 to 20/07/2024	Shree Anand Life Sciences Ltd	Nikita Mahaveer Ugare
92.	01/07/2024 to 23/07/2024	S G PHYTO PHARMA MIDC Gokul Shirggaon, Kolhapur	Omkar M Kore
93.	01/07/24 to 23/07/24	Arar Pharmacutical Research Centre Pvt.Ltd. Belgaum	Omkar Janganure
94.	01/07/2024 to 23/07/2024	Arar Pharmaceuticals Research Centre	Praneeth Mandi
95.	02/07/2024 to 23/07/2024	Elegant Drugs.Pvt Ltd.Pharmaceutical Manufacturers	Rakesh A Herwade
96.	01/07/2024 to 23/07/2024	Arar	Sagar Wasedar
97.	01/7/2024 to 15/7/2024	Pragati Pharma. Auto Nagar. Kanbargi. Belagavi	Sneha. S. Tarihal
98.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Pvt.Ltd	Sushant Pattanashetti
99.	01/07/2024 to 23/07/2024	ARAR Pharmaceutical Research Centre Pvt. Ltd	Tasmiya S Mulla
	23/07/2024	Ltd	



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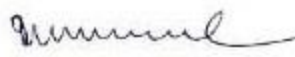


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Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

100.	10/07/2024 to 31/07/2024	PFIZER Limited	Shreya Patil
101.	10/07/2024 to 31/07/2024	PFIZER Limited	Akriti Koul



  
Principal  
PRINCIPAL  
KLE College of Pharmacy  
BELAGAVI - 590 010.



## KLE COLLEGE OF PHARMACY, BELAGAVI

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Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

### Health camps attended by Students & Faculty of KLE College of Pharmacy, Belagavi ( January 2024 to till date )

S.no	Date	Venue	Beneficiaries/ patients
1	09/01/2024	Govt. hospital, Joida	600
2	16/01/2024	KLEs S K High school, Saundatti	3944
3	21/01/2024	Shri Siddharudh shale, Old Hubli	800
4	25/01/2024	KLEs S K High school, Chikkodi	3944
5	03/02/2024	B V sangha Mahatma Gandhi School, Telasang	200
6	06/02/2024	KRE Society High school, Ainapur	1800
7	10/02/2024	Balaveer Vidyanketan Marathi School	2000
8	16/02/2024	Vidyachetan School Campus, Ramdurg	3215
9	25/02/2024	KLEs G I Bagewadi College, Nippani	7000
10	29/02/2024	KLEs Mahadevappa Munavalli School, Gokak	7000
11	04/03/2024	Yallalingeshwar Matha, Mugalkhod, Raibag	6000
12	14/05/2024	KLEs S K High school, Chandgad	180
13	24/06/2024	Waghvade, Belagavi	100
14	01/08/2024	Shivalaya Anubhava Mantap, Ankali	5400
15	05/08/2024	Shri Gubbalauguda Kempayya Swamy Matha, Ghataprabha	1000
16	27/08/2024	Arts, Commerce and Science pre graduate college, Jamakhandi	3940
17	05/10/2024	SPK College, Sawantawadi	1800
18	09/10/2024	Karad, Maharastra	3600



**Principal**  
**KLE College of**  
**Pharmacy, Belagavi**



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### PARTICIPATORY LEARNING

- |   |
|---|
| 1. Greeting card making, Paper Bag Decoration and Poster making competition   |
| 2. Debate competition, Mad ads, Dance competition, Sketching competitions, Painting Competition, Declamation competition, |
| 3. Game based learning  |
| 4. Group teaching and learning  |
| 5. Skill based learning   |
| 6. Peer teaching/peer assisted remedial teaching.   |
| 7. Inclusive remedial teaching  |
| 8. Additional qualifications through various courses/trainings  |
| 9. Attending Conferences, Training programs, Webinars, Guest lectures   |



**Principal**  
**KLE College of**  
**Pharmacy, Belagavi**

### World Cancer Day: Greeting card making competition, Report February 2024:

Youth Red Cross Wing of KLE College of pharmacy organized an intra-college Greeting card making competition on 03/02/2024 (Saturday) as part of World Cancer Day (04/02/2024) at seminar room at 11.00 pm. A total of 20 participants from all classes were actively participated. The theme was “Close the care gap”. The program started with the welcome address by Dr. Bhuvaneshwari Sharannavar staff In charge Youth Red Cross Wing KLECOP Belagavi. The event was judged by Dr. Geetanjali Salimath and Dr. Manjula G. The prepared cards were sent to KLEs Cancer hospital patients. Following is the list of winners in the competition.







# KLE College of Pharmacy

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JNMC Campus, Nehru Nagar, Belagavi – 590 010, Karnataka, India

(Recognized by PCI, AICTE)

Phone: 0831-2471399

Fax: 0831-2472387

Web: <http://www.klepharm.edu> E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)



### Belagavi India

VGP9+HXF, Nehru Nagar, Belagavi,  
Karnataka 590010, India

February 3, 2024 738 m

Latitude 15.88640 GMT 07:22 am



### Belagavi India

VGP9+HXF, Nehru Nagar, Belagavi,  
Karnataka 590010, India

February 3, 2024 738 m

Latitude 15.88640 GMT 07:28 am

Longitu 74.51999 Local 12:58 pm



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### Belagavi India

VGP9+HXF, Nehru Nagar, Belagavi,  
Karnataka 590010, India

February 3, 2024 738 m

Latitude 15.88640 GMT 07:27 am

Longitu 74.51999 Local 12:57 pm  
de



### Belagavi India

VGP9+HXF, Nehru Nagar, Belagavi,  
Karnataka 590010, India

February 3, 2024 738 m

Latitude 15.88640 GMT 07:20 am

Longitu 74.51999 Local 12:50 pm  
de

Participants preparing Greeting cards on World Cancer Day February 2024



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Sl no.	Name	Class	Prize
1	Shraddha Sutar Sneha Kakade	M.Pharm	1 <sup>st</sup> Place
2	Shreya Naik Sphoorthi Bijapur	2 <sup>nd</sup> B. Pharm	2 <sup>nd</sup> Place
2	Rajat Patil NiraliPatil	6 <sup>th</sup> Pharm.D	2 <sup>nd</sup> Place
3	Amrut Naikwadi AshishRangai	2 <sup>nd</sup> B.Pharm	3 <sup>rd</sup> Place

Participants preparing Greeting cards on World Cancer Day February 2024

**Beneficiaries:Community(cancer patients)**

Number of teachers- 03

Number of students- 22

  
Mrs Bhuvaneshwari Sharannavar  
YRCW Staff-Incharge



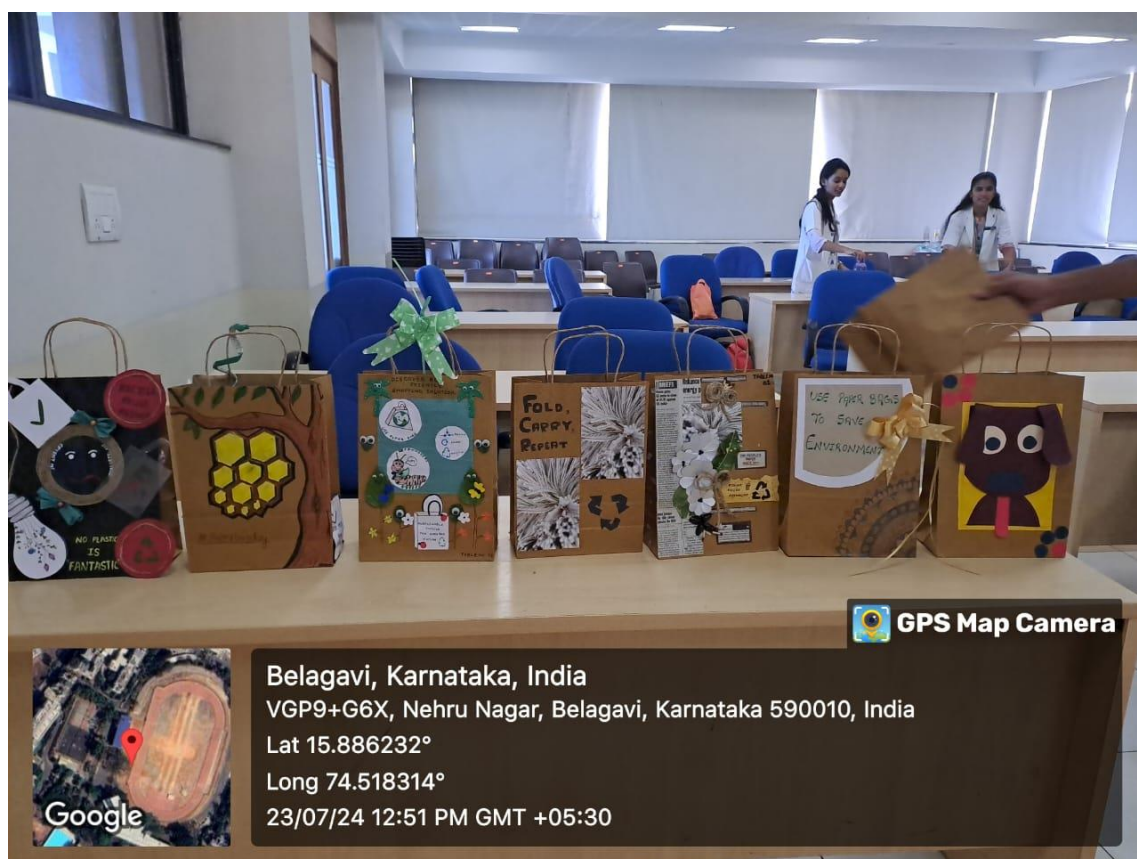
  
Principal  
KLE College of Pharmacy, Belagavi  
Nehru Nagar, Belagavi Karnataka



Date: 23/07/2024

## “The Paper Bag Decoration Competition”

Youth Red cross Wing; KLE College of Pharmacy, Belagavi organized **The Paper Bag Decoration Competition** as a part of "World Paper Bag Day" on **23/07/2024** to create awareness about plastic use. Around 14 students actively participated and showcased their artistic talents while promoting environmental consciousness. Dr. Sunil S Jalalpure appreciated the participants. Miss. Pooja Kagawad, Youth Red Cross staff in charge coordinated the activity.



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## Beneficiaries: Students

Number of teachers- 1

Number of students- 14

*Pooja Kagawad*

**Miss. Pooja Kagawad**



*[Signature]*  
**Principal**

**KLE College of Pharmacy, Belagavi**  
Nehru Nagar, Belagavi Karnataka



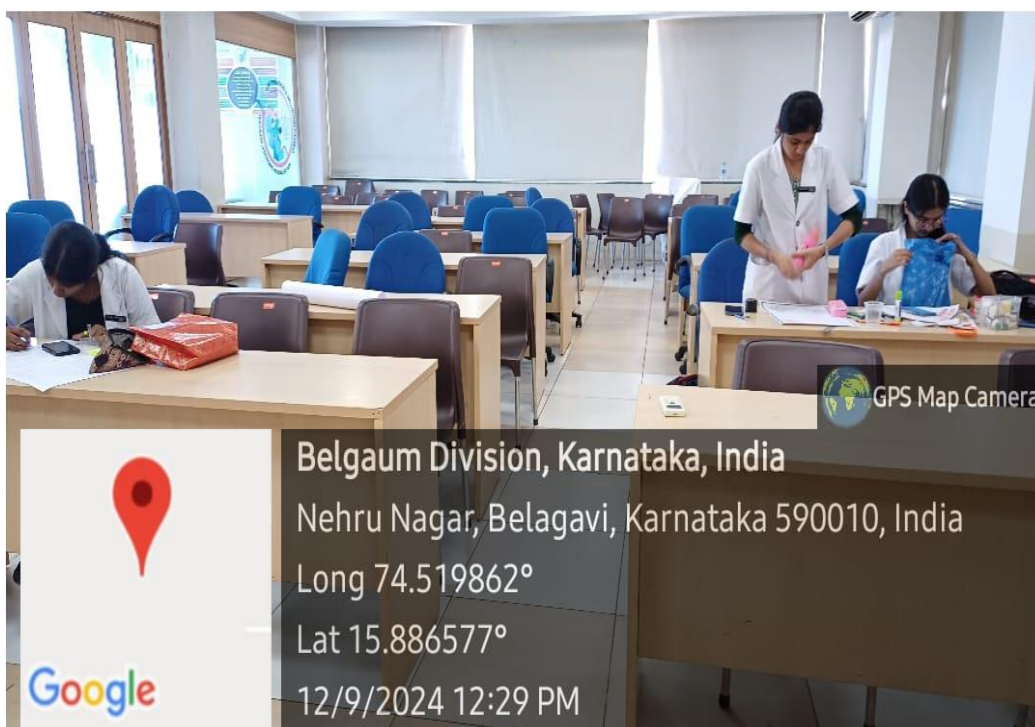
Date: 12/09/2024

## “Poster making competition: Suicide Prevention Day”

Youth Red cross Wing; KLE College of Pharmacy, Belagavi organized **Poster making competition**: as a part of "Suicide Prevention day" on **12/09/2024** to create awareness about Suicide. Around 10 students actively participated and showcased their artistic talents. Dr. Sunil S Jalalpure appreciated the participants. Miss. Pooja Kagawad, Youth Red Cross staff in charge coordinated the activity.

Winners of Poster making competition: Shubhangi Pawade B. Pharm 1<sup>st</sup> sem

Sanjana Akkole B. Pharm 1<sup>st</sup> sem





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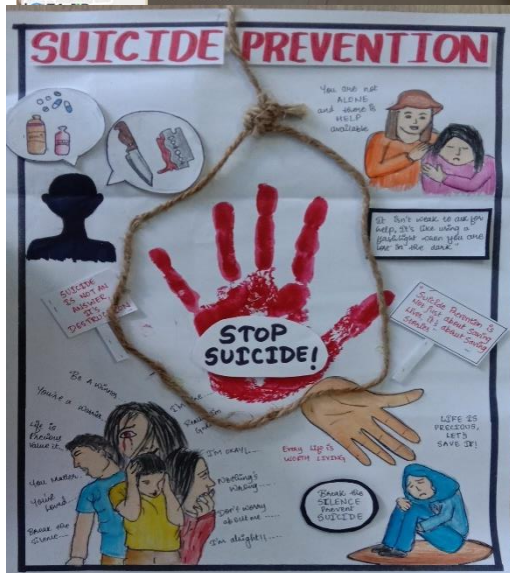
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Number of teachers- 1

Number of students- 10

*Pooja Kagawad*

Miss. Pooja Kagawad



*Sunil S. Jalalpure*  
Principal

KLE College of Pharmacy, Belagavi  
Nehru Nagar, Belagavi Karnataka



# World Pharmacist Day 2024

Organized by

**KLE College of Pharmacy, Belagavi**

In association with

**Indian Pharmaceutical Association, Local Branch, Belagavi**

&

**District Drug Controller Department, Belagavi**

**25<sup>th</sup> September 2024**

**Theme: “Pharmacists: Meeting Global Health Needs”**



KLE College of Pharmacy, Belagavi, a constituent unit of KLE Academy of Higher Education and Research, Belagavi (KAHER) celebrated “World Pharmacist Day” on 25<sup>th</sup> September 2024 in association with Indian Pharmaceutical Association, Local Branch, Belagavi and District Drug Controller Department, Belagavi at KLE Centenary Convention Centre, KAHER, Belagavi. The theme for World Pharmacist Day 2024 was “Pharmacists: Meeting Global Health Needs”.

The program was inaugurated by Chief guest Dr. Nagraj S, Deputy Drug Controller, Belagavi and Guest of honor Dr. M. S. Ganachari, Registrar, KAHER, Belagavi and Dr. Sunil S. Jalalpure, Principal, KLE College of Pharmacy, Belagavi. The program was started with

rally which was started from Rani Channamma Circle to KAHER, JNMC Campus, Belagavi followed by various competitions i.e., Debate Competition, Mad Ads, Dance Competition, Street Play organized for students.

More than 700 Pharmacists from Belagavi district, Students and faculties of KLE College of Pharmacy, and other pharmacy colleges of Belagavi were actively participated in the event.



## Informal Function

### 1. Debate Competition





## 2. Mad Ads



## 3. Dance Competition



## 4. Street Play





***Inter Collegiate Cultural/Literary  
Meet 2024***

# Intercollegiate Sketching Competition

- Date: 23<sup>rd</sup> October 2024
- Venue: JNMC Pathology Lecture Hall
- Convener: -
- No. of colleges participated: 9
- No. of participants: male → 7 female → 12
- Name of the Judges 1) Ms. Heena Bhosle  
2) Mr. Narendra Acharya

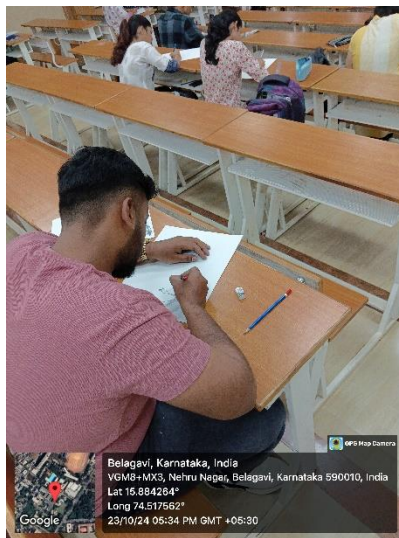
- Result:

Winner (1<sup>st</sup> place): Mr. Rahul Mattikoppa, JNMC, Belagavi.

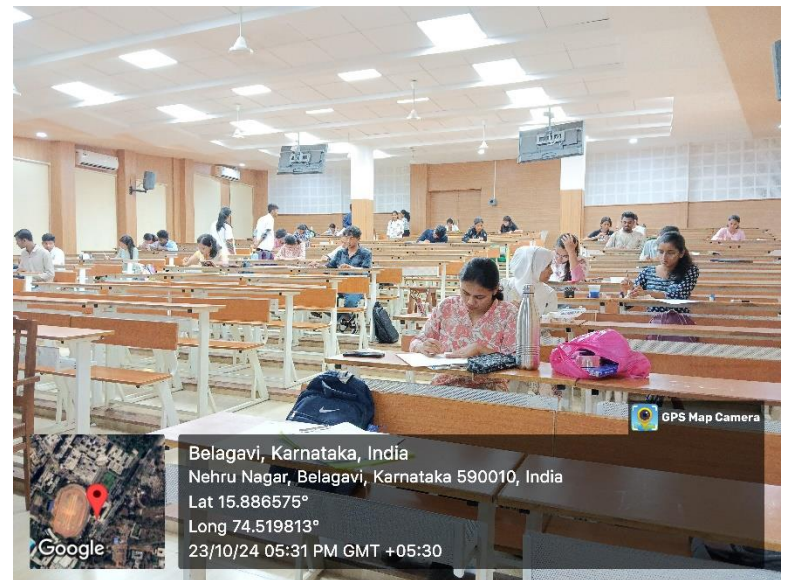
Runner-up (2<sup>nd</sup> Place): Ms. Soujanya Anigolkar, KLE College of Pharmacy, Belagavi.

3<sup>rd</sup> place(solo event and in literary): Ms. Shreyas Gaikwad, KLE College of Pharmacy, Belagavi.

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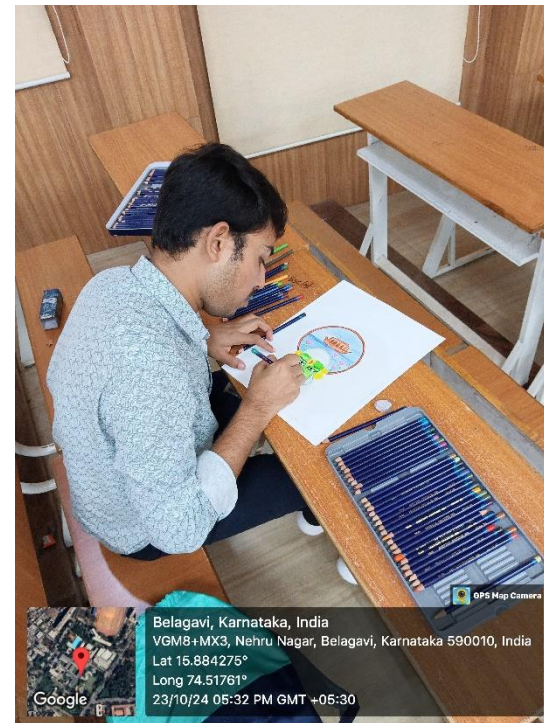
- Geotagged picture



- Geotagged picture



- Geotagged picture





# Intercollegiate Painting Competition

- Date: 23<sup>rd</sup> October 2024
- Venue: JNMC Pathology Lecture Hall
- Convener: -
- No. of colleges participated: 9
- No. of participants: male → 3 female → 15
- Name of the Judges 1) Ms. Heena Bhosle  
2) Mr. Narendra Acharya

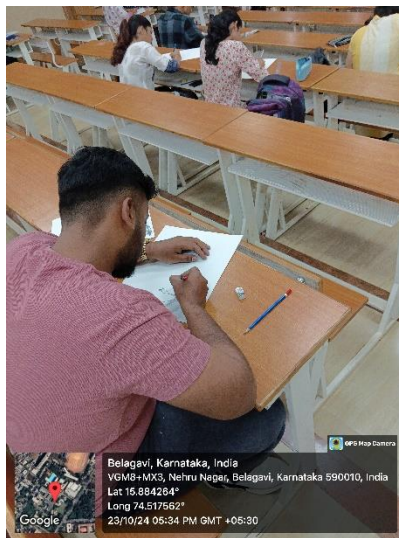
- Result:

Winner (1<sup>st</sup> place): Ms. Shushmita Shirodkar, KLE Homeopathy Medical College, Belagavi.

Runner-up (2<sup>nd</sup> Place): Mr. Gaurvagopal, Shri BMK Ayurveda Mahavidyalaya, Belagavi.

3<sup>rd</sup> place(solo event and in literary): Ms. Saniya Mulla, Shri BMK Ayurveda Mahavidyalaya, Belagavi.

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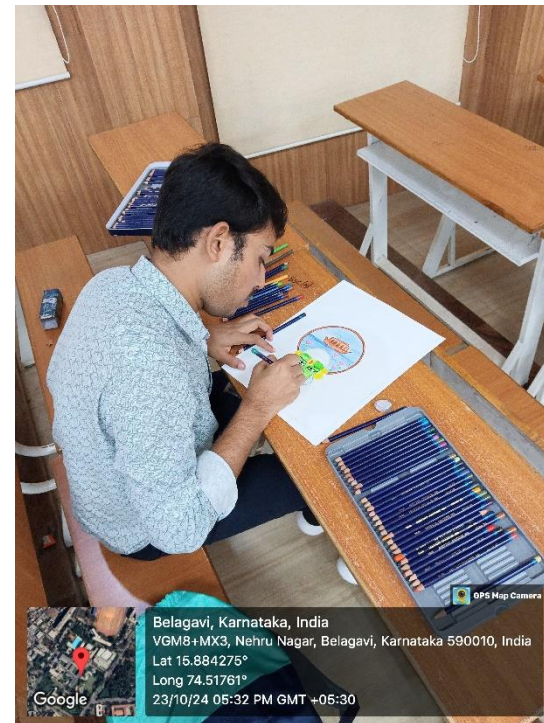
- Geotagged picture



- Geotagged picture



- Geotagged picture



### Declamation Competition

1.	Name of the Program	Declamation Competition
2.	Program organized by	KAHER's NSS Unit 6
3.	Dept Involved	In collaboration with Nehru Yuva Kendra Sangh
4.	Date	12/01/2024
5.	Duration	1 Day
6.	Location	Seminar Hall, KLE College of Pharmacy, Belagavi
7.	Objectives of the Program	To conduct a declamation competition so as to share the ideas on Vikasit Bharat@2047
8.	Activities carried out	a) Speech Competition
9.	No. of students participated	57
10.	No. of volunteers present	06
11.	No. of Beneficiaries	57
12.	Photos (geotagged)	Annexure-I
13.	Press clippings	NA
14.	Any other information	NA



# KLE COLLEGE OF PHARMACY, BELAGAVI

A Constituent Unit of

## KLE Academy of Higher Education and Research

(Deemed-to-be University established u/s 3 of the UGC Act, 1956), Re-accredited **A<sup>+</sup> Grade** by NAAC (3<sup>rd</sup> Cycle) Placed in **Category 'A'** by MHRD (Gol)  
Recognized by PCI & AICTE; **B. Pharm** program has been accredited by **NBA** (4<sup>th</sup> Cycle) for a period of **6 years** (up to June 2025)

JNMC Campus, Nehru Nagar, Belagavi-590 010, Karnataka, India. Phone: **+91 831-2471399**; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

### Annexure-I



**NSS Program Coordinator**

**Mr. VeerkumarJapti& Mr. Nikhil Gawas**



**Principal**



**PRINCIPAL**  
**KLE College of Pharmacy**  
**BELAGAVI - 10.**



**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**

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**Pedagogical Learning**

Sl. No.	Particulars	Details
1.	Name of the Pedagogical Learning Method	<b>Game Based Learning (Pick and Draw the Heterocyclic Nucleus)</b>
2.	Class and Semester	B. Pharm VI Semester
3.	Subject Name	Medicinal Chemistry-III
4.	No. of Students Attended	105
5.	No. of Students Participated	56
6.	Date of Conduct	20 May 2024
7.	Name of the teacher	Dr. Shailendra S. Suryawanshi
8.	Details of Game Based Learning Method	<p>Game-based learning is an innovative approach to education that combines the engaging aspects of games with the delivery of academic content. In the context of Medicinal Chemistry, particularly the study of heterocyclic compounds, a game like "Pick and Draw Structures" offers an interactive platform for students to grasp complex concepts more effectively.</p> <p>Heterocyclic compounds, characterized by their ring structures containing at least one atom other than carbon, play a significant role in pharmaceuticals, agrochemicals, and materials science. Understanding their structures and properties is crucial but can be challenging due to their diversity. The "Pick and Draw" game simplifies this by turning learning into an active, participatory process.</p> <p>The game involves randomly picking a card containing the name of a heterocyclic compound. Students have then sketched its structure on a board a time limit. This activity encourages quick recall of concepts, visualization skills, and collaborative problem-solving. This method enhances learning by making it hands-on and fun. It promotes better retention as students actively engage with the material rather than passively absorbing information.</p> <p><b>"Pick and Draw Structures"</b> not only deepens understanding of heterocyclic compounds but also builds critical thinking and adaptability, ensuring students are better equipped for academic and professional challenges in chemistry.</p>

**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**

9.	Representative Photographs	Participants
		
		

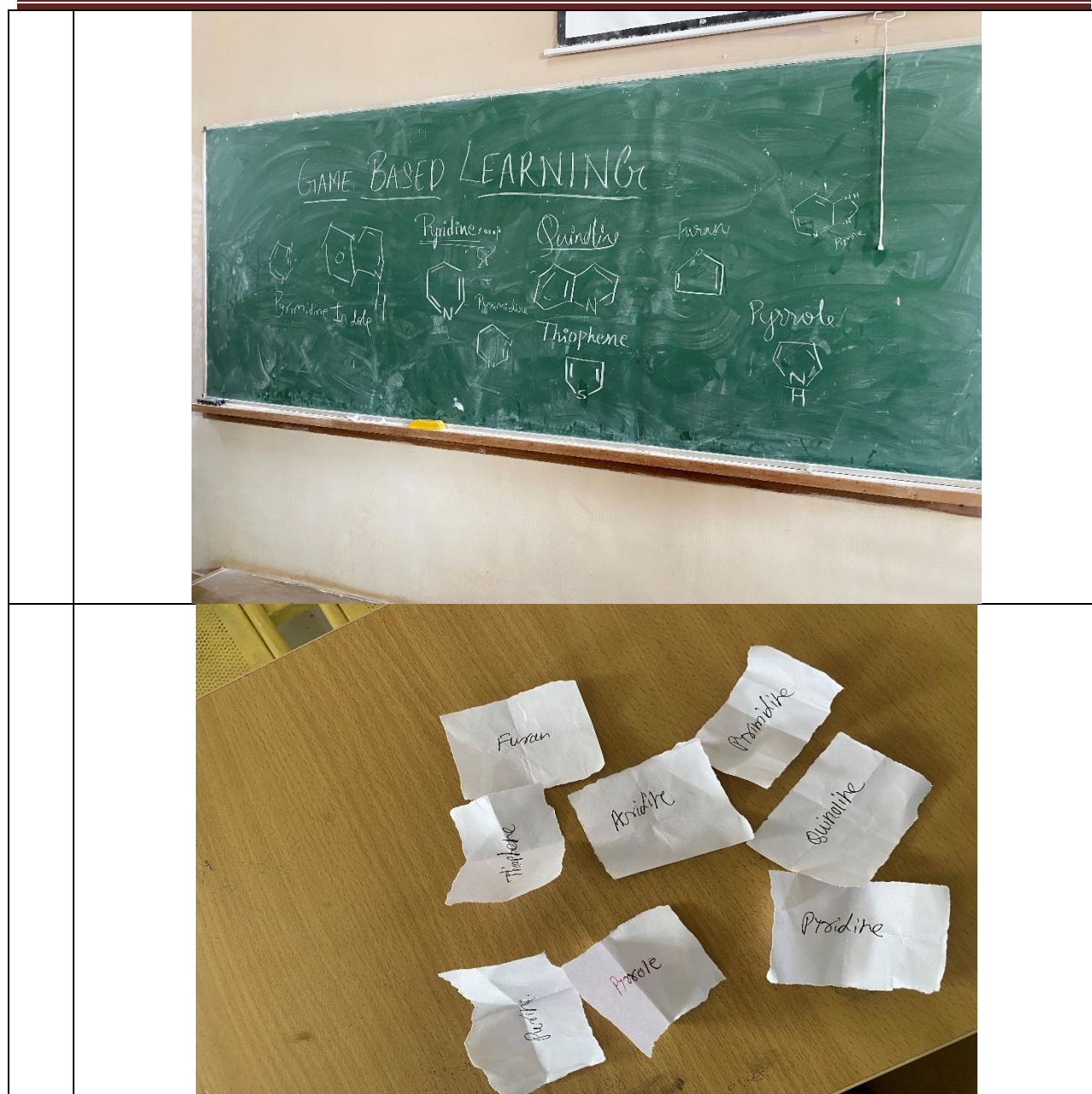


**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**





**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**



**Subject In-Charge**

**Dr. Shailendra S. Suryawanshi**

Assistant Professor,  
Department of Pharmaceutical Chemistry,  
KLE College

# KLE College of Pharmacy, Belagavi.

## Pedagogical Method for Innovative Teaching Learning

### Group Discussion on Cosmetic preparations

B-Pharm 8<sup>th</sup> Sem

Subject: Cosmetic Technology

Subject Incharge: Dr. Bhuvaneshwari Sharannavar

Students are divided into different groups and assigned with some topics and cosmetic preparation hands on training,

#### Group A

1. Praveen Uppin
2. Gangadhar Miled
3. Anurag Pattanashetti
4. Sneha Desai
5. Anushree Uttur

#### Group B

1. Sudeep Koppad
2. Sumit Patil
3. Shridhar Tumari
4. Malagouda Patil

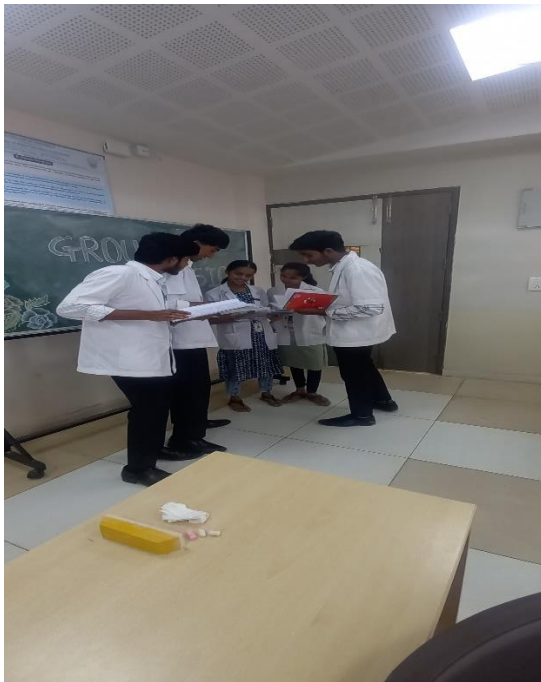
#### Group C

1. Purva Patil
2. Priyanka Saini
3. Pooja Chougala
4. Mitali Kamat

In a lively classroom discussion, students gathered to share their ideas on preparing cosmetics as part of their practical learning. They explored various ingredients, from natural oils to chemical stabilizers and preservatives, debating their benefits and potential side effects. The conversation covered the importance of understanding skin types, ensuring compatibility with diverse users, and adhering to safety regulations. They enthusiastically exchanged insights on creating products like lip balms, moisturizers, and face masks, emphasizing the significance of accurate measurements, hygiene, and packaging to ensure quality and shelf life.

In an engaging discussion, All groups were shared ideas and insights on preparing cosmetics, focusing specifically on face powder, lipstick, and hair gel. They began with face powder, discussing the use of talc, mica, and kaolin as base materials, along with natural pigments to cater to different skin tones. The students emphasized the importance of achieving a smooth texture and effective oil absorption for a flawless finish. Moving on to lipstick, they discussed blending waxes like beeswax or carnauba with emollient oils and pigments, aiming for a creamy texture, vibrant color, and long-lasting effect. The topic of hair gel sparked interest as they explored gelling agents like carbomers and natural options like flaxseed extracts, focusing on creating a non-sticky, easy-to-apply product with good hold. Throughout the discussion,

they highlighted the importance of quality control, ensuring the formulations were skin-friendly, safe, and in compliance with industry standards.



Finally Small Quiz session was conducted among all three groups and Team A was the winner of competition with highest point scoring.

A handwritten signature in blue ink, which appears to be 'Bluei', is shown on a piece of paper.

Signature of the Staff



Ref. No. KLE/ COP/

Date : 20/11/2023

**DEPARTMENT OF PHARMACY DIFFERENTIAL LEARNING METHODS**

**REPORT ON ADVANCED ACADEMIC TRAINING PROGRAMME**

**ON**

**BASIC MEDICAL PROCEDURES SKILL COMPETENCY WORKSHOP**

**Objectives:**

The Basic Medical Skill Competency Workshop is a transformative learning experience tailored for participants to acquire essential skills crucial in healthcare. Through hands-on training and expert guidance, the workshop aims to empower individuals with foundational knowledge and practical expertise. The immersive nature of the program is designed to build confidence in fundamental healthcare skills, ensuring participants leave equipped with the necessary tools for success in medical settings.

**The Advanced Academic Training Program:**

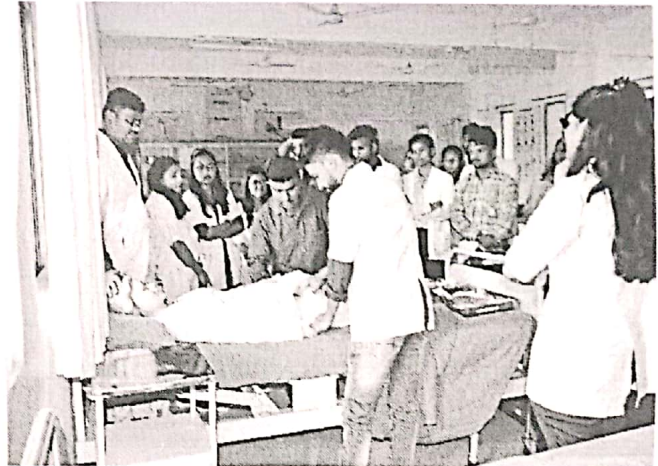
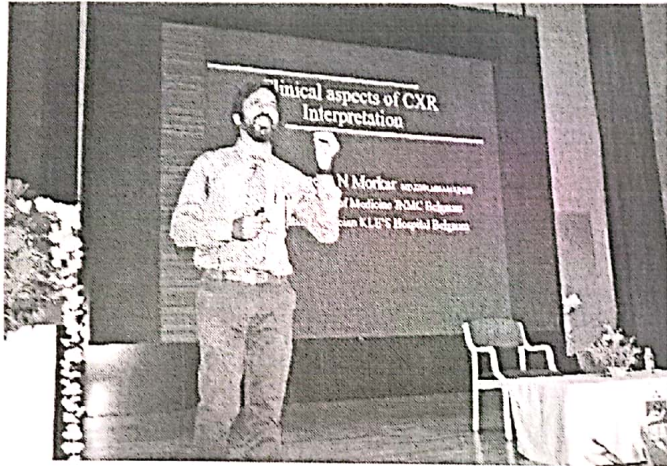
The training-program was opened with Inauguration Function by lightening the lamp by Chief Guest Dr. Sabitha M, Principal, Amrita School of Pharmacy, University of Kochi, Kerala; Dr. Nitin Gangane, Vice Chancellor, KAHER, Belagavi; Prof. (Dr.) Sunil S Jalalpure, Principal, KLE College of Pharmacy, Belagavi; Dr. M.B Patil, Vice-Principal, KLE College of Pharmacy, Belagavi; Dr. M.S. Ganachari, Registrar, Dean and head, Department of pharmacy practice, KLE College of Pharmacy, Belagavi and other delegates.





Dr. Sunil S. Jalalpure,  
Principal

KLE College of Pharmacy, JNMC Campus, Nehru Nagar, Belagavi Karnataka, India-590 010,  
Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)



Secy  
Dept. of Pharmacy  
Practice  
KLE college of pharmacy  
Belagavi-10

# **KLE College of Pharmacy, Belagavi.**

## **Pedagogical Method for Innovative Teaching Learning**

### **Peer Teaching in Pharmaceutical Jurisprudence: A Collaborative Learning Approach**

B-Pharm 5<sup>th</sup> Sem

Subject: Pharmaceutical Jurisprudence

Subject Incharge: Dr. Bhuvaneshwari Sharannavar

#### **Introduction**

Peer teaching is an innovative and effective teaching-learning strategy that fosters collaboration, deeper understanding, and mutual respect among students. In the context of pharmaceutical jurisprudence, where legal concepts, regulations, and ethical practices are key, peer teaching can play a pivotal role in enhancing comprehension and practical application.

#### **The Concept**

In peer teaching, an advanced learner, who has demonstrated proficiency in pharmaceutical jurisprudence, takes on the role of a tutor for a fellow student. This method benefits both the tutor and the learner, as it reinforces the tutor's understanding while simplifying complex concepts for the learner.

#### **Implementation in Pharmaceutical Jurisprudence**

##### **1. Selection of Advanced Learner:**

The advanced learner, well-versed in topics like the Drugs and Cosmetics Act, the Pharmacy Act, and ethical guidelines, is selected to mentor a peer.

##### **2. Setting Objectives:**

Clear learning outcomes are defined, such as understanding key legislations, applying legal knowledge to case studies, or analyzing ethical dilemmas.

##### **3. Interactive Sessions:**

The peer teaching sessions are designed to be interactive, with discussions, case study analyses, and problem-solving exercises. The advanced learner employs teaching aids like charts, presentations, or simplified notes.

**4. Assessment and Feedback:** Both participants engage in quizzes or discussions to assess understanding. Constructive feedback is provided to refine the learning process.

#### **Benefits of Peer Teaching**

**Enhanced Understanding:** The advanced learner solidifies their knowledge while breaking down concepts for the peer.

**Engagement:** The learner feels comfortable asking questions, leading to active participation.

**Collaborative Skills:** Both students develop communication and teamwork skills.

**Practical Insights:** The peer-teaching approach encourages applying theoretical knowledge to practical scenarios in the pharmaceutical field.

### Example Scenario

An advanced learner explains the intricacies of the Drugs and Cosmetics Act to a peer using real-life examples, such as how drug approvals are regulated. They might discuss recent amendments, emphasizing their impact on pharmacy practice. The session concludes with a debate on ethical challenges in pharmacy, stimulating critical thinking.

### Conclusion

Peer teaching in pharmaceutical jurisprudence is a valuable tool to make complex legal concepts accessible. It promotes a deeper understanding of laws and regulations governing the pharmaceutical profession, ensuring students are well-prepared for their professional roles. Through collaboration and shared learning, this method contributes to a dynamic and enriching educational experience.



Team identification in pear learning process

A handwritten signature in blue ink, appearing to read 'Bluea'.

Signature of the Staff



# Pharmaceutical Quality Assurance

## Differential learning methods:

- Peer assisted remedial teaching: The fast learners helping the slow learners by having group discussion. VIIth Semester students on Regulatory Affairs.



Subject Incharge : Dr Anjana Adhyapak

Anjana





**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**Department of Pharmaceutical Chemistry**

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**Differential Learning Method**

Sl. No .	Particulars	Details
1.	Name of the Differential Learning Method	<b>Inclusive remedial teaching with the topic "Drawing Chemical Structures of Drugs"</b>
2.	Class and Semester	B. Pharm VI Semester
3.	Subject Name	Medicinal Chemistry-III
4.	Date of Conduct	10 May 2024
5.	Name of the teacher	Dr. Shailendra S. Suryawanshi
6.	Details of Game Based Learning Method	The remedial teaching on " <b>Drawing Chemical Structures of Drugs</b> " was successfully conducted, focusing on the differential learning needs of students who were having difficulty in learning the Chemical Structure of Drugs. The teaching has started with a brief revision of foundational concepts, ensuring all students were aligned with the basics of chemical bonds, functional groups, nucleus and structural frameworks. While step-by-step verbal explanations supported auditory learners. Practice activities were tailored to varying skill levels, offering simpler tasks by asking them and practice the structures. Inclusive strategies, such as peer pairing and individual guidance, have been done. Tools like printed handouts and digital resources showed. The teaching method concluded with a summary of key points and resource recommendations for continued learning, demonstrating its success in addressing diverse learning needs.

**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**Department of Pharmaceutical Chemistry**

9.	Representative Photographs	Participants
		
		

NC(=O)c1ncn([C@@H]2O[C@H](CO)[C@@H](O)[C@H]2O)c1

19. Ribavirin

NC(=O)c1c[nH]c(F)c1=O

20. Favipiravir

NC12CCC3C1CC2CCC3

21. Amantadine

CC(N)C12CCC3C1CC2CCC3

22. Rimantadine

[O-][N+]#N[C@@H]1O[C@H](N2C(=O)NC(=O)C=C2C)[C@@H](CO)[C@H]1O

23. Zidovudine

OC[C@H]1O[C@@H](N2C(=O)NC(=O)C=C2C)[C@@H](CO)[C@H]1O

24. Stavudine

Clc1ccc(cc1)C(=O)N[C@@H](C(F)(F)F)C23CC4CC5C2(C1)CC[C@]345

25. Efavirenz

C1=CC=C2C(=C1)N(C3CC3)C(=O)NC2=CC=C4N=CC=C4

26. Nevirapine

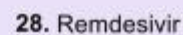
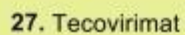
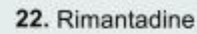
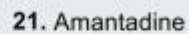
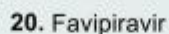
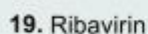
FC(F)(F)c1ccc(cc1)C(=O)NN2C(=O)C3C(C2)C(=O)C4C3C(C4)C

(B)

27. Tecovirimat

CC(C)CCOC(=O)C[C@H](N)OP(=O)(OC[C@H]1O[C@H](C2=CC=CC=C2)[C@@H](O)[C@H]1O[C@H]3C=NC4=C(N)N=CN=C4N3)OC[C@H]5O[C@H](C6=CC=CC=C6)[C@@H](O)[C@H]5O

28. Remdesivir



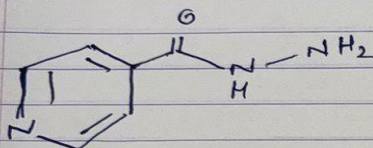


KLE COLLEGE OF PHARMACY, BELAGAVI  
Department of Pharmaceutical Chemistry

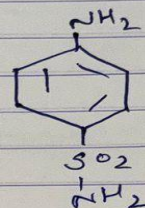
Ans. S. Sanadav. Taray. A. Bhingunde  
NA0121013. NA0121083

INH  
Paracetamol  
Aspirin  
Sulphanilamide

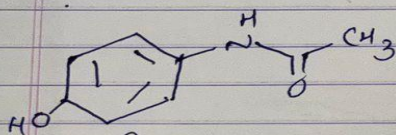
Ibuprofen  
Ampicillin.



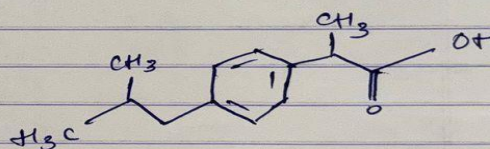
Isoniazid



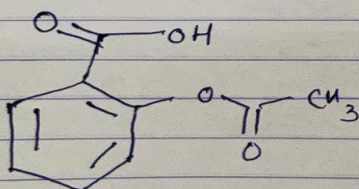
Sulphanilamide



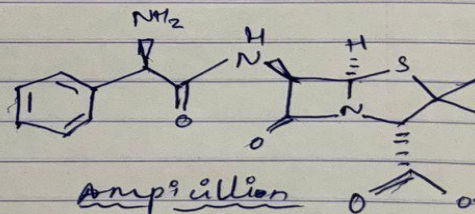
Paracetamol



Ibuprofen



Aspirin



Ampicillin

Subject In-Charge

**Dr. Shailendra S. Suryawanshi**

Assistant Professor,  
Department of Pharmaceutical Chemistry,  
KLE College





**Sahyadri Super Speciality Hospital**  
Nagar Road



31 January 2024

**CERTIFICATE**

This is to certify that **Ms. Shravani Patil** has completed her internship with **Sahyadri Hospital Pvt. Ltd, Sahyadri Super Speciality Hospital, Nagar Road.**

Her internship tenure was from **1 December 2023 to 30 December 2023**. She was working in **Pharmacy & Store Department (Haematology and Bone Marrow Transplant Section)** and was actively involved in the assignments allocated to her.

We wish her a bright future.

**For Sahyadri Hospitals Private Limited**

*Vijeta S. Kulkarni*

**Ms. Vijeta Kulkarni**  
**General Manager- Human Resources**

***Sahyadri Super Speciality Hospital Nagar Road***

Survey No. 185A, Shastri Nagar, Near MSEB Office, Yerwada, Nagar Road, Pune 411 006 | Tel. : + 91 20 6727 1111  
Fax : + 91 20 6721 5098 | [www.sahyadrihospital.com](http://www.sahyadrihospital.com) | [Feedback.nagar@sahyadrihospitals.com](mailto:Feedback.nagar@sahyadrihospitals.com)

**Sahyadri Hospitals Private Limited (CIN: U85110PN1996PTC099499)**

**(Formerly known as Sahyadri Hospitals Limited)**

**Regd. Off. :** Survey No. 89 & 90, Plot No. 54, Lokmanya Colony, Kothrud, Pune 411 038

**| Pune - Deccan Gymkhana, Kothrud, Hadapsar, Bibwewadi, Kasba Peth, Nagar Road | Karad | Nashik |**

**To WHOMSOEVER IT MAY CONCERN**

**Date: 28-Feb-2024**

This is to certify that **Ms.Pavitra Kalal** has undergone internship programme in our organization from **01-Jan-2024 to 28-Feb-2024**.

During this period, She has been explained the techniques in **Clinical Research Department**.

We found Her very sincere & inquisitive.

We wish Her all the best for future endeavours.

**Synergen Bio Pvt Ltd.**

A handwritten signature in black ink, appearing to read 'N. Lahoti'.

**Dr.Neel R.Lahoti  
(Managing Director)**



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Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

## LIST OF PROGRAMS ATTENDED BY STUDENTS

QIP/ Conference/ Workshop	International / National/ State/ Regional	Name of the Student	Department/ Program and Year	Date Month Year	Venue	
Intellectual Property and Startups	National	Mr. Ronak Dsouza	B. Pharm	20 January 2024	Turnip Innovation Festival	Conference
MinIon Nanopore Sequencing for High Throughput Virus Detection		Mr. Ronak Dsouza		21 January 2024	Society of Pharmaceutical Sciences and Research (SPSR)-India	Webinar
Revolutionizing Health Care for a Developed India		Mr. Ayaan Inamdar		7 January 2024		Webinar
Career Accelerator: Transform Your Skills, and Future	National	Abhishek Patil	B.Pharm	3 August 2024	Community Pharmacist Aid'S live webinar (ISO 9001:2015 Certified CPACR-43104)	
Independence Day webinar on Creating IP led Academic Spinoffs		Abhishek Patil		12 August 2024	Turnip Innovation Pvt. Ltd. Company Coorporate number:U74999WB2018P TC227193 in association with Qualcomm, Kolkata	
Learn to protect, Secure and Maximize your Innovations (L2PRO)		Abhishek Patil		12 August 2024	Qualcomm	
Elevate Your Skill: Discover our PG Diploma Courses I Clinical Research		Abhishek Patil		23 August 2024	Community Pharmacist Aid'S live webinar(ISO 9001:2015 Certified CPACR24-410176)	
AI Tools for Scientific Writing and Publishing		Mr. Ayan S. Inamdar		28 July 2024	Society of Pharmaceutical Sciences and Research	
Building a Successful Career in Clinical Research : Opportunities and Pathways		Abhishek Patil		15 June 2024	Community Pharmacist Aid'S live webinar (ISO 9001:2015 Certified CPACR24-35077)	
GET AHEAD IN CLINICAL RESEARCH WITH AN EXCLUSIVE: DEMO OF OUR CERTIFICATION COURSES ON		Abhishek Patil		12 July 2024	Community Pharmacist Aid'S live webinar (ISO 9001:2015 Certified CPACR24-34135)	
TRANSFORM YOUR CAREER IN CLINICAL RESEARCH - DEMO OF OUR EXPERT-LED COURSE		Abhishek Patil		20 July 2024	Community Pharmacist Aid'S live webinar(ISO 9001:2015 Certified CPACR24-40065)	



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## LIST OF PROGRAMS ATTENDED BY STUDENTS

QIP/ Conference/ Workshop	International/ National/ State/ Regional	Name of the Student	Department / Program and Year	Date	Venue	
3D printing in Pharmaceutical research and development	Regional	Ms.Pradnya.P	M. Pharm	21th& 22nd Feb 2024	KLE COP, Belagavi, Dept of Pharmaceutics VD Patil convention hall, JNMC	workshop
		Mr.Chetan Bhat				
		Anusha M				
		Bhavana Sawadi				
		Gururaj V Kanabargi				
		Kadewadi Megha Mahantesh				
		Madan Attimard				
		Patil Prajwal Deepak				
		Rajgouda Patil				
		Rampure Swati Naresh				
		Rashmita K Akkatangerhal				
		Sankalp S Sammasagi				
		Shivaraj Hooli				
		Swati Prabhulinga Jirankali				
		Swaroop R Bilagi				
		Vinayak Halasagi				
		Vishal Irappa Wannur				
2 days National Level Conference on 'Recent Advances in Drug Design'	National	Mr. Abubakar G Badeghar	M. Pharm	05th & 6th Feb 2024	Annasaheb Dange College of Pharmacy, Ashta	Conferenc e
		Mr. Afnan Bastwadkar				
		Ms. Akshata Pattar				
		Ms. Devika Hangirkar				
		Mr. Lele Kshitij Achyut				
		Mr. Naveen R Maledavar				
		Mr. Patil Abhijeet Subhash				
		Mr. Patil Jayesh Pundalik				
		Mr. Santosh Nidagundi				
		Mr. Sarvesh U Havaladar				
		Ms. Shafin M Paneri				
		Ms. Sneha Kakade				
		Mr. Snehal Bharat Shende				
		Mr. Thorat Prathamesh Sunil				





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Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

## LIST OF PROGRAMS ATTENDED BY STUDENTS

QbD with JMP: Hands-On Statistical Discovery and Formulation Breakthroughs	National	Goutami Sambrekar	M. Pharm	29-31 Aug 2024	Manipal Pharmaceutics Conference (MPCON) 2024, Manipal College of Pharmaceutical Sciences, Manipal	
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# KLE College of Pharmacy BELAGAVI

A Constituent unit of

KLE Academy of Higher Education & Research Belagavi

(DEEMED-TO-BE-UNIVERSITY), Reaccredited at the 'A+' Level by NAAC (3rd Cycle), Placed in 'A' Category by MoE (Gol)



## Certificate

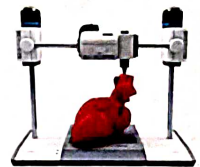
Dr./Mr./Ms. Rashmita K. Akkatangerhal  
of KLE College of Pharmacy, Belagavi



has actively participated as a Delegate in workshop on



3D Printing in Pharmaceutical Research and Development



organized by Department of Pharmaceutics, KLE College of Pharmacy, Belagavi on 21<sup>st</sup> & 22<sup>nd</sup> Feb 2024

Chief Co-Ordinator  
Prof. (Dr.) Sunil S. Jalapure  
Principal

Convener  
Prof. (Dr.) Panchaxari M. Dandagi  
Head-Department of Pharmaceutics

Programme Co-Ordinator  
Dr. Archana S. Patil  
Associate Professor,  
Department of Pharmaceutics



B. Pharma Program  
Accredited for 6 Years



NAAC 3rd Cycle  
'A+' Grade



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# PROBLEM-SOLVING METHODOLOGIES

## 1. Practical Components

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## PRACTICAL COMPONENTS

**KLE COLLEGE OF PHARMACY, BELGAUM**  
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**PHARM. D -1<sup>ST</sup> YEAR TIME TABLE FOR THE ACADEMIC YEAR 2023-24 (w.e.f. 01/08/2023)**

DAY/ TIME	9.0-10.0	10.0-11.0	11.0-12.0	12.0-01.0 TUTORIALS	02.0-03.0	03.0-04.0	04.0-05.0
<b>MONDAY</b>	Pharm. Inorg Chemistry [MSP]	Pharmaceutics [PMD]	Medicinal Biochemistry [SIBIA]	Pharmaceutics [PMD]	L	Pharmaceutics PRACTICAL (BATCH- A) [PMD/SH]	Pharm Inorganic Chemistry PRACTICAL (BATCH- B) [PK]
<b>TUESDAY</b>	Pharmaceutics [PMD]	H.A.P [AM]	Remed. Math/ Biology (Nagaraju/GAK)	Pharm. Inorg Chemistry [MSP]	U	Pharm Inorganic Chemistry PRACTICAL (BATCH- A) [PK]	Pharm Organic Chemistry PRACTICAL (BATCH- B) [SM/PB]
<b>WEDNESDAY</b>	Pharm. Inorg Chemistry [MSP]	Pharm. Organic Chem [PB]	Remed. Math/ Biology (Nagaraju/GAK)	H.A.P [AM]	N	H.A.P. PRACTICAL (BATCH- A) [AM]	Medicinal Biochemistry PRACTICAL (BATCH- B) [SIBIA]
<b>THURSDAY</b>	Medicinal Biochemistry [DNS]	Pharm. Organic Chem [PB]	H.A.P [AM]	Medicinal Biochemistry [SIBIA/DNS]	C	Medicinal Biochemistry PRACTICAL (BATCH- A) [SIBIA]	Pharmaceutics PRACTICAL (BATCH- B) [SH]
<b>FRIDAY</b>	H.A.P [AM]	Pharm. Organic Chem [PB]	Remed. Math/ Biology (Nagaraju/GAK)	Pharm. Organic Chem [PB] Tut	B	Pharm Organic Chemistry PRACTICAL (BATCH- A) [SM/PB]	H.A.P. PRACTICAL (BATCH- B) [AM]
<b>SATURDAY</b>	Medicinal Biochemistry [SIBIA]	Remed. Biology PRACTICAL (GAK)			R		
					E		
					A		
					K		

**BATCH -A: Roll No 01 – 15**      **BATCH -B: Roll No: 16 -30**

DNS- Mr. D.N.SASTRY      PMD- Dr. P. M. DANDAGI      AM- Mr. ABHINANDAN MUNNOLLI      SH- Mr. SUJAY HULYALKAR  
MSP- Dr. M. S. PALLED      GAK- Dr. G. A. KALYANI      PB-Dr. PARIXIT BHANDURGE      SM- Mr. SOURABH MALABADE

CLASS TEACHER: **Mr. ABHINANDAN MUNNOLLI**

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**B. PHARM 1<sup>ST</sup> SEMESTER (RS<sub>3</sub>) TIME TABLE FOR THE ACADEMIC YEAR 2023-24 (w.e.f. 17/07/2023)**

DAY/TIME	9.0-10.0	10.0-11.0	11.0-12.0	12.0-01.0	02.0-03.0	03.0-04.0	04.0-05.0
<b>MONDAY</b>	Pharmaceutics PRACTICAL [BATCH-A] [VM+UK] Pharmaceutical Analysis PRACTICAL [BATCH-B] [RK] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-C] [KG] H. A. P- I [BATCH-D] [PP]				L	Pharmaceutics [NS]	Remedial Maths/ Biology (Nagaraju/ GAK)
<b>TUESDAY</b>	Pharmaceutics [VM]	Pharmaceutical Analysis [RK]	Communication skills [AP]	Pharmaceutical Inorganic Chemistry [Tut] [KG]	U	Pharmaceutical Analysis [RK]	Remedial Maths/ Biology (Nagaraju/ GAK)
<b>WEDNESDAY</b>	Pharmaceutical Analysis [RK]	H. A. P- I [PP]	Pharmaceutics [Tut] [NS]	H. A. P- I [Tut] [PP]	N	Pharmaceutical Inorganic Chemistry [KG]	Communication skills [AP]
<b>THURSDAY</b>	Pharmaceutics PRACTICAL [BATCH-B] [NS+RRK] Pharmaceutical Analysis PRACTICAL [BATCH-C] [RK] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-D] [KG] H. A. P- I [BATCH-A] [PP]				C	Pharmaceutics [NS]	Pharmaceutical Inorganic Chemistry [KG]
<b>FRIDAY</b>	Pharmaceutics PRACTICAL [BATCH-C] [NS+UK] Pharmaceutical Analysis PRACTICAL [BATCH-D] [RK] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-A] [KG] H. A. P- I [BATCH-B] [PP]				B	Pharmaceutical Inorganic Chemistry [KG]	H. A. P- I [PP]
<b>SATURDAY</b>	Pharmaceutics PRACTICAL [BATCH-D] [NS+RRK] Pharmaceutical Analysis PRACTICAL [BATCH-A] [SG] Pharmaceutical Inorganic Chemistry PRACTICAL [BATCH-B] [KG] H. A. P- I [BATCH-C] [PP]				R	Communication Skills-Lab [AP]	
					E	Rem Biol Lab [GAK]	
					A		
					K		

**BATCH-A: Roll No: 01 to 25**      **BATCH-B: Roll No: 26 to 50**      **BATCH-C: Roll No: 51 to 75**      **BATCH-D: Roll No: 76 to 100**

NS - Mrs. NISHA SHIRKOLI      GAK- Dr. G. A. KALYANI      KG- Mr. KIRAN GAIKWAD      AP- Ms. ANNIE PRAKASH  
RK- Ms. ROHINI KAVALAPURE      VM- Dr. VINODKUMAR MANNUR      PP- Dr. PRIYANKA PATIL      SG- Mr. SHANKAR GHARGE

CLASS TEACHER: **Mr. KIRAN GAIKWAD**

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# SELF-DIRECTED LEARNING

1. Seminars

2. Summer Research Projects

3. Learning Through Library Resources



  
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## SEMINAR PRESENTATIONS BY STUDENTS

Year: IVth Year Pharm. D

Subject: Biopharmaceutics and pharmacokinetics



Subject Incharge: Dr. Archana Patil

## Details of Summer Research Projects (Ongoing / Completed) by Students 23-2024

Sr No.	Reg.No.	Name of the students	Course and Sem/Year	Research Guide/ Coguide and Dept.	Title of the project	Status (Ongoing/Completed) Date and Duration
1	NA0120089	Mr. Yogesh Hikkannagutti	B. Pharm 6th Semester	Dr. V. S. Mannur Pharmaceutical Quality Assurance	Formulation and Evaluation of Fumaria praviflora based sunscreen gel by QbD approach	Ongoing 01-02-2023
2	NA0119002 NA0119008	Abhishek Teli Akash Jakkannavar	B. Pharm 6th Semester	Mrs. Sneha Patil Pharmacognosy	Identification and Characterization of Flavonoids from Pongamia pinnata extract	Completed 9.05. 2022 to 7.04.2023
3	NA0119015 NA0119037	Bhargav Hegde Mr. Nitin Sutar	B. Pharm 6th Semester	Mrs. Sneha Patil Pharmacognosy	A Comparative Pharmacognostic Evaluation and in vitro antioxidant assessment of two important antidiabetic herbs	Completed 20.05. 2022 to 10.05.203
4	NA0121014 NA011025	Atharv Daddi Mahesh Bugade	B- Pharm 4 Semester	Mrs. Sneha Patil Pharmacognosy	Screening of various bioactive compounds from Moringa oleifera leaf extract	Ongoing 5.05.2023
5	NA0120041 NA0120003 NA0120011	Priya Bhovi, Akshata Athanmath Bhoomika Geeranavar	B. Pharm 6th Semester	Mrs. Sneha Patil Pharmacognosy	Chemical and invitro biological screening of dragon fruit peel extract	Ongoing 1.05.2023
6	NA0120012 NA0120002	Mr. Bharat Patil Ms. Vaishnavi Agalgave	B Pharm 6th Semester	Mr. Kiran N Gaikwad Pharmaceutical Chemistry	In-Silico study of selected Imidazole derivatives as Anti-Cancer Agents	Ongoing 1.02.2023
7	NA0119069 NA0119074 NA0119053	Ms.Shreya Patil Ms.Smita Nayak Ms.Saba Deshpik	B Pharm 6th Semester	Mr.Akshay K Patil Pharmacognosy	Formulation of phytosomes loaded with hydro alcoholic extract of Trigonella foenum-graecum and its evaluation for in vitro biological properties.	Completed 11.07.22 to 28.03.2023
8	NA0119081 NA0119058 NA0119064 NA0119061	Ms.Tanvi Nayak Ms.Sakshi Shahapurmath Ms.Shafin Paneri Mr.Santosh Marennavar	B Pharm 6th Semester	Mr.Akshay K Patil Pharmacognosy	Incorporation of standardized hydro alcoholic extract of Curcuma longa Linn into phytosomes and its evaluation for in vitro antiinflammatory potential and Brine Shrimp Lethality Assay	Completed 19.07.2022 28.03.2023
9	NA0120081 NA0120037	Mr.Adarsh Umanar i Mr.Panchakshari S alimath	B Pharm 6th Semester	Mr.Akshay K Patil Pharmacognosy	Formulation and evaluation of novel phytosomes loaded with Trikatu Churna extract: Modernization of Traditional medicines	Ongoing 12.09.2022
10	NA0120015 NA0120067 NA0120059	Ms.Divya Patil Ms.Shruti Ms.Sejal Karav	B Pharm 6th Semester	Mr.Akshay K Patil Pharmacognosy	Standardization of Dronapushpi: An Ayurvedic Medicinal Plant	Ongoing 14.10.2022
11	NA0120072 NA0120068	Ms.Soumya Bhati Ms.Sneha Kalbhag	B Pharm 6th Semester	Mr.Akshay K Patil Pharmacognosy	Formulation of dual herbal bioactive loaded nanoformulation and its in vitro evaluation for pharmacological properties.	Ongoing 14.10.2022
12	NA0120054	Mr. Samarth Anigol	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Department of Pharmaceutical Chemistry	In-Silico Determination of Physicochemical Properties and Drug Likeness Scoring of Selected Chemical Moieties from <i>Withania somnifera</i>	Completed Date: 7/9/2023 Duration: 2 Months
13	NA0119088	Vinod Jond	B Pharm/2023	Dr. Basavaraj M Dinnimath	Herbal Mosquito Repellent Formulation	Completed
14	NA0119065 NA0119019	1.Shalaka Gaonkar 2.Divya Kamble	8 <sup>th</sup> sem 2023	Rohan Singadi Dr B.M.Dinnimath	Phytochemical investigation and anti-inflammatory screening of premna interfolia linn root part: in-vitro and In-silico approach.	Completed 6month 22/06/2023
15	NA0120089	Mr. Yogesh Hikkannagutti	B. Pharm 6th Semester	Dr. V. S. Mannur	Formulation and Evaluation of Fumaria praviflora based sunscreen gel by QbD approach	On going
16	NA0119047 NA0119078	Pratik P. Patil Soumya R. More,	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Investigation of Physicochemical Properties and Drug Likeness Profiling of Selected Phytochemicals from Berberis Species	Completed Date: 05/03/2023 Duration: 2 Months

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17	NA0119008 NA0119001	Akash Jakkannvar Abhishek Teli	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Study of Chemistry of Selected Plant Compounds from <i>Tridax Procumbens</i>	Completed Date: 07/04/2023 Duration: 2 Months
18	NA0119044 NA0119048	Prakruti Naik Pratiksha Magdum	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	<i>In-silico</i> Prediction of Drug-Like Characteristics of Some Phytoconstituents from <i>Syzygium Cumini</i>	Completed Date: 24/05/2023 Duration: 2 Months
19	NA0119085 NA0119047	Vaishnavi Patil Pratik Patil	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	<i>In-Silico</i> Determination of Physicochemical Properties and Drug Likeness Scoring of Selected Chemical Moieties from <i>Prunus Persica L. Batsch</i>	Completed Date: 07/04/2023 Duration: 2 Months
20	NA0119021 NA0119052 NA0119058	Gururaj Kanabargi Rajgouda Patil Sakshi Shahapurmath	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	<i>In-silico</i> Prediction of Physicochemical and Drug Likeness Properties of Selected Plant Compounds from <i>Carica Papaya</i> Leaf	Completed Date: 29/05/2023 Duration: 2 Months
21	NA0119053 NA0119060	Saba Deshpatik Samrudhhi Shinde	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Determination of Physicochemical Properties and Drug Likeness of Some Phytocompounds from <i>Coleus amboinicus</i> : A Computer Aided Drug Design Approach	Completed Date: 26/05/2023 Duration: 2 Months
22	NA0119079 NA0119044	Suhana Shaikh Prakruti Naik	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Investigation of Drug Likeness of Selected Phytoconstituents of <i>Achillea Mellifolium</i> Using Computational Tools	Completed Date: 24/5/2023 Duration: 2 Months
23	NA0119001 NA0119008	Abhishek Teli Akash Jakkannvar	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Study of Chemistry of Selected Plant Compounds from <i>Ageratum Conyzoides</i>	Completed Date: 07/04/2023 Duration: 2 Months
24	NA0119048 NA0119079	Pratiksha Magdum Suhana Shaikh	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computational Prediction of Physicochemical and Drug Likeness Properties of Selected Phytomolecules from <i>Inula Racemosa</i>	Completed Date: 09/06/2023 Duration: 2 Months
25	NA0120032 NA0120045	Pranali N. Bavakar Naik Vrushali	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Comparative Studies on Extraction of Phytochemicals using Different Solvents and its Effect on Anti-oxidants Activity of <i>Withania Coagulans</i>	Completed Date: 19/07/2023 Duration: 1 Year
26	NA0120032 NA0120045	Naik Vrushali Pranali N. Bavakar	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Exploring Drug Likness of Some Plant Compounds from <i>Withania Coagulans</i> by In- silico Tools	Completed Date: 19/07/2023 Duration: 3 Months
27	NA0119098 NA0119005 NA0119051	Varsha Patil Aishwarya Koge Prema Chinnappagoudar	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Quantification of Oxybutynine chloride in pharmaceutical dosage forms by new validated analytical methods	Completed Date: 11/08/2023 Duration: 2 Months
28	NA0121042	Patil Adarsh Arun	B. Pharm IV Semester	Mr. Shailendra S. Suryawanshi Assistant Professor,	Computer Aided Prediction of Physicochemical Properties of Selected Vitamins and Related Compounds	Completed Date: 12/6/2023 Duration: 1 Month



				Pharmaceutical Chemistry		
29	NA0120054	Samarth Anigol	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	<i>In-Silico</i> Determination of Physicochemical Properties and Drug Likeness Scoring of Selected Chemical Moieties from <i>Withania somnifera</i>	Completed Date: 7/9/2023 Duration: 2 Months
30	NA0119005 NA0119051 NA0119098	Aishwarya Koge Prema C. Varsha Patil	B. Pharm VIII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Comparative Studies on Extraction of Phytochemicals using Different Solvents and its Effect on Biological Activities of <i>Muntingia Calabura</i> : <i>In-Silico</i> and <i>In-vitro</i> Approach	Ongoing (Report Preparation)
31	NA0119033 NA0119068	Nameera Doni Shifa Bojgar	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, & Dr. Meenaxi M. Maste, Professor, Department of Pharmaceutical Chemistry	Phytochemical Investigation and Biological Evaluation of Selected Medicinal Plant: <i>In-Silico</i> and <i>In-vitro</i> Approach	Ongoing (Report Preparation)
32	NA0120008 NA0120087	Siddesh Bandekar Vrushali Patil	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Development and Validation Marker Based Analytical Methods for Quantification of Selected Phytochemicals: Green Chemistry Approach	Ongoing
33	NA0120102	Suprit Tamadalage	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Drug Design Approach in Identification of Drug Like Properties of Phytochemicals from Selected Medicinal Plants	Ongoing
34	NA0120054 NA0120024	Samarth Anigol Kishor Jirali	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Development of Quality Control Profile for Standardization of Selected Marketed Ayurvedic Churna	Ongoing
35	NA0120053 NA0120054	Samarth Ugare Samarth Anigol	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Evaluation of Drug Like Properties of Some Plant Compounds from Selected Medicinal Plants	Ongoing
36	NA0120051	Sakshi Kadache	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Studies on Drug Likeness Scoring of Selected Anti-diabetic Phytochemicals from Marketed Churna	Ongoing
37	NA0120065	Sravana Patil	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Development of Quality Control Profile and Analytical Standardization of Marketed Anti-diabetic Churna	Ongoing
38	NA0120035	Omkar Karemani	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Phytochemical Profiling and Anticancer Evaluation <i>Mirabilis Jalapa</i> : <i>In-silico</i> and <i>In-vitro</i> Approach	Ongoing
39	NA0121042	Patil Adarsh Arun	B. Pharm V Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Development of Marker Based Quantification Methods and <i>In-silico</i> Antidiabetic Profiling of Selected Phytochemicals from <i>Termenalia Chebula</i>	Ongoing
				Chemistry		



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40	NA0121056	Ronak Dsouza	B. Pharm V Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Investigation of Physicochemical and ADMET Properties of Selected Phytochemicals from Aloe Vera	Ongoing
41	NA0121083	Tanay Bhingurde	B. Pharm V Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Investigation of Drug Like Properties of Phytochemicals from Selected Medicinal Plants Using Computational Tools	Ongoing
42	NA0121057	Sahil Sanjay Kadolkar	B. Pharm V Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	In-silico Identification of Drug Like Candidates from Selected Medicinal Plants	Ongoing
43	NA0122018	Ayaan Inamdar	B. Pharm III Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Computer Aided Identification and In-Vitro Anti-diabetic Evaluation of Phytochemicals from Selected Medicinal Plants	Ongoing
44	NA0122017 NA0122041	Atharv Surve Piyush Kabra	B. Pharm III Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	Quality Control Analysis of Edible Oil Samples: A Comparative Study	Ongoing
45	NA01 21053	Rakhi N Patil	B pharmacy /3rd year	Ms.. Rohini S. Kavalapure	Synthesis and Characterization of some Heterocyclic Compounds".	Ongoing
46	NA01 20008	Siddhesh Bandekar	B. Pharm VII Semester	Mr. Shailendra S. Suryawanshi Assistant Professor, Department of Pharmaceutical Chemistry	In-Silico Prediction of Physicochemical and ADMET Properties of Selected Phytochemicals from Terminalia bellirica (Gaertn.) roxb.	Completed Date: 28/2/2024 Duration: 3 months
47	NA01 19015 & NA01 19037	Bhargav Hegde & Niteen Sutar	B.Pharm VII Semester	Mrs. Sneha Patil Dept of Pharmacognosy	Phytochemical standardization of Traditional Herbs and Polyherbal Tablet formulation	Completed Date-29-05-2024



  
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### THE HUMANITIES

1. Through YRC

2. Through NSS

3. Through Placement Cell

4. Through IPASF

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**Belagavi**





## YRC ACTIVITIES 2024

Sl.No.	Particulars /title of the program	Organized by	Date	Participants
1.	National Voters Day Awareness on voting	YRCW, KLE COP Belagavi	25/01/2024	120
2.	Cancer day Greeting card making competition on 'Cancer' for students and distributing prepared cards to the patients in KLEs Cancer Hospital	YRCW, KLE COP Belagavi	03/02/2024	22
3.	International Women's Day "Me Time Activity" For Women staff KLECOP Belagavi	YRCW, KLE COP Belagavi	06/03/2024	36
4.	World Health Day Voluntary Blood Donation by staff and students of KLEs college of pharmacy Belagavi	YRCW, KLE COP Belagavi	05/04/2024	26
5.	Paper bag day Competition on 'Paper bag decoration' for students of KLEs college of pharmacy Belagavi	YRCW, KLE COP Belagavi	23/07/2024	14
6.	Suicide prevention day Poster making competition on "Working together to Prevent suicide"	YRCW, KLE COP Belagavi	12/09/2024	10
7.	World sight day "Voluntary Pledge to Donate eye" By staff and students of KLEs college of pharmacy Belagavi	YRCW, KLE COP Belagavi	29/20/2024	10
8.	World AIDS Day "JOY OF GIVING" Visit to ASHAKIRAN (Home for HIV positive children) by YRC Volunteers.	YRCW, KLE COP Belagavi	03-12-2024	19




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## NSS Activities 2024

Year	Name of the activity	Organizing unit/ agency/ collaborating agency	Number of students participated in such activities	Number of teachers participated in such activities
12-Jan-2024	Declamation Competition	NSS units in collaboration with Nehru Yuva Kendra	57	10
17-Jan-2024	Road Safety Week	NSS units in collaboration with Nehru Yuva Kendra and Traffic dept Govt of Karnataka	56	5
20-Jan-2024	National Youth Day	NSS	30	25
25-Jan-2024	Voters Awareness Programme	NSS	90	2
06-Feb-2024 to 12-Feb-2024	National Integration Camp, Gulbarga	NSS Cell, Gulbarga University, Kalburgi	2	0
20-Feb-2024 to 26-Feb-2024	National Integration Camp, Khanapur	NSS Cell RCCU Belagavi	4	0
1-Mar-2024	District Level Neighborhood Youth Parliament	NSS & Nehru Yuva Kendra, Belagavi	14	0
12-Mar-2024	Voter Awareness Campaign	NSS	82	2
26-Mar-2024	World TB Day	NSS	20	2
6-Apr-2024	Water pot installation	NSS	20	6
25-Apr-2024	World Malaria Day	NSS	55	1
27-April-2024 to 01-April-2024	NSS State youth festival	NSS	10	5
27-April-2024 to 01-April-2024	NSS State youth festival Dr. Parixit Bhandurge participated as judge Mr. Veerkumar P Japti participated as Resource person	NSS	150	6
6-May-2024	Elocution competition	NSS	20	8
29-May-2024	Blood card distribution	NSS	1	1
31-May-2024	World no tobacco day	NSS	25	2



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24-Jun-2024	Vanamahotsava	NSS	10	30
12-Jul-2024	Gandhi Preaching Workshop	NSS	5	5
3-Aug-2024	Plantation Drive	NSS	35	8
20-Aug-2024	Sadhbhavana Diwas	NSS	96	5
21-Aug-2024	Blood Donation Card	NSS	80	1
14-Sep-2024	Suicide Prevention Day	NSS	22	5
28-Sep-2024	NSS Day	NSS	185	8
10-Feb-2024	Swatchata Hi Seva	NSS	50	5
17-October-2024 & 18-October-2024	Participation in Pre-RD parade	NSS	2	0
15-October-2024	Global Hand Washing Day	NSS	18	0
22-October-2024	Say No to Tobacco Awareness	NSS	90	5
29-October-2024 & 30-October-2024	Ye Diwali My Bharat Wali: Hospital Volunteering	NSS	14	3
29-October-2024 & 30-October-2024	Ye Diwali My Bharat Wali: Swatchata Drive at Market Place	NSS	15	2
29-October-2024 & 30-October-2024	Ye Diwali My Bharat Wali: Traffic Assistance	NSS	25	2
30-October-2024	Rashtriya Ekta Diwas: Run for Unity	NSS	12	1
30-October-2024	Rashtriya Ekta Diwas: Unity Pledge	NSS	86	4
30-October-2024	National Ayurveda Day	NSS	86	4



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### Placement cell activities-2024

Name of the Program	Organized by	Date and Venue	Total Number of students participated
Creative Thinking Workshop	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	19th February 2024	55
Competitive Exam Seminar	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	27th February 2024	82
Self Learning Resources	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	28th February 2024	87
Career Prospect in Pharmacy in association with Clini Launch Research Institute, Bangalore	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	15th March 2024	152
Resume Building	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	28th March 2024	84
Time Management	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	28th September 2024	95
Competitive Exam Seminar	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	16th October 2024	90
Investor Awareness Programme	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	22nd October 2024	51
Communication Skills and Professional Etiquettes	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	11th November 2024	86
Creative Thinking Workshop	Career Guidance and Placement cell, KLE College of Pharmacy Belagavi	8th and 19th November 2024	54



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### IPA Activities-2024

Name of the programme	Organized by	Date	Participants
1. Debate competition 2. Movie making competition 3. Mad ads 4. Dance competition 5. Street play	IPA Local Branch, Belagavi	25 <sup>th</sup> September- 2024	120 students



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## PROJECT-BASED LEARNING

1. Research projects

2. Expeditionary learning through summer research project



  
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## RESEARCH PROJECT OF SUBMISSIONS 2023-24

Sl. No.	Name of the candidates	Reg. No.	Title of the Research Project	Name of the Guide
<b>Department of Pharmacy Practice</b>				
01	Mr. Manik Rao Saraf Ms. Pallavi N Khot Ms. Shravana Udayakumar patil Mr. Shridhar Y Math	NA0120027 NA0120036 NA0120065 NA0119072	Assessment of adverse drug reactions among cancer patients in a tertiary care hospital: a prospective observational study.	<b>DR. MANJULA G</b>
02	Mr. Sourav Gore Ms. Akshata Athanimath Mr. Satyam Desai Ms. Bhoomika Geeranavar	NA0120074 NA0120003 NA0120058 NA0120011	Assessment of Knowledge, Attitude, and Practice (KAP) among health care professionals towards ADR reporting in nephrology ward of a tertiary care hospital in India	<b>DR GEETANJALI SALIMATH</b>
03	Mr. Deven R Rajput Mr. Samarth Anigol Ms. Sejal S Karav Mr. Sourabh Vanakudre	NA0120046 NA0120054 NA0120059 NA0120073	Evaluation of knowledge, attitude and practice towards adverse drug reactions (ADRs) among pharmacy practice students: A cross sectional study.	<b>MRS. SHASHIKALA WALI AND MR. VIVEK PATIL</b>
04	Mr. Girish S Yaligar Mr. Mahantesh Bharamana Lohar Mr. Sandeep Ishwar Kurani Mr. Shivaraj S Hegadikatti	NA0120019 NA0120025 NA0120056 NA0120063	Impact of educational intervention on Knowledge, Attitude, and Dispensing patterns of antibiotic among community pharmacists: A prospective Interventional study	<b>DR. ANUSHREE DESHPANDE</b>
05	Mr. Bharat Patil Mr. Clinton Coutinho Mr. Darshan Desai Mr. Ruturaj Desai	NA0120010 NA0120012 NA0120013 NA0120048	Knowledge, Attitude and Practice on reporting of Blood and Blood products transfusion related adverse events among healthcare professionals: a Hemovigilance study	<b>DR. PRATIKSHA KINI</b>



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06	Ms. Divya Patil Mr. Vinayak Patil Mr. Rahul Patil Ms. Soumya Bhatti	NA0120015 NA0120038 NA0120044 NA0120072	KAP of artificial intelligence among students studying in healthcare professions.	<b>DR.SATISH KAR OLI</b>
07	Mr.Omkar Gurubasappa Karemani Mr. Sahana Sanju Savagar Mr. Amrut Sadanand Gurav Mr. Vineet Dattaram Raikar	NA0120035 NA0120050 NA0120006 NA0120086	Assessment of Knowledge, Attitude and Practice on Good Pharmacy Practices (GPP) among Community Pharmacists: A Cross Sectional Study	<b>DR. SANTHOSH REDDY</b>
08	Mr. Kishor Jirli Mr. Omkar Kammar Mr. Hassan Shabandri Mr.Yogesh Hikkanagutti	NA0120024 NA0120034 NA0119024 NA0120089	Assessment of Knowledge Attitude and Perception of Pharmacogenomics in community health care professionals - A Interventional study.	<b>DR GANGGAYA J WAKKUNDMATH</b>

Sl. No.	Name of the candidate	Reg. No.	Title of the Research Project	Name of the Guide
<b>Department of Pharmaceutical Chemistry</b>				
01	Ms. Ashlesha Bhatkande Ms. Mrunali R. Saste	NA0120007 NA0120100	Investigation of Anticancer Properties of 1,4-dihydropyrimidines:a combined approach of synthesis, FTIR characterization and <i>In Silico</i> modeling.	<b>Ms.Rohini S. Kavalapure</b>
02	Ms. Raksha R. Shet Ms. Vrushali V. Patil	NA0120047 NA0120087	Analytical Method Development and Validation of Tofisopam in Bulk and Pharmaceutical Formulation.	<b>Mr. Nikhil Gawas</b>
03	Mr. Siddesh S. Bandekar Mr. Vardhaman M. Patil	NA0120008 NA0120082	Development and Validation of Analytical Methods for Quantification of Selected Phytoconstituents in Herbal Formulations.	<b>Ms. Pooja Kagawad</b>
04	Ms. Soumya A. Biradar Ms. Priyanka S. Naik	NA0120071 NA0120042	Synthesis, Preliminary Characterization of Schiff's Base Derivatives and Evaluation for Antidiabetic Potential.	<b>Mr. Rohan Singadi</b>



05	Mr. Raj D. Mayannavar Ms. Priya S. Bhovi	NA0120045 NA0120041	Simultaneous Analysis of Combination of Antihypertensive Drugs in a Combined Dosage Forms by UV Method.	<b>Mr. Kiran Gaikwad</b>
06	Ms. Sneha Kalbagh Ms. Vaishnavi C. Agalgave	NA0120068 NA0120002	<i>In-Silico</i> Screening and Green Extraction of Selected Phytochemicals from <i>Annona Squamosa</i> Linn. Colorectal Cancer.	<b>Mr. Shailendra S. Suryawanshi</b>

Sl. No.	Name of the candidate	Reg. No.	Title of the Research Project	Name of the Guide
<b>Department of Pharmaceutical Quality Assurance (Cosmetic Science)</b>				
01	Ms.Naziya Dongargaon Ms. Rachel Pereira Ms. Sakshi Huliyaar Ms. Shradha Kadam	NA0120032 NA0120043 NA0120052 NA0120064	PREPARATION AND EVALUATION OF FACIAL SERUM CONTAINING EXTRACTS OF CURRY LEAVES AND LICORICE	<b>Dr . Anjana Adhyapak</b>
02	Mr.Basavaraj P Patil Mr. Karan A Khot Ms. Priya M Helavi Mr. Vinay Biradar	NA0120009 NA0120022 NA0120040 NA0120084	DEVELOPMENT OF (+)-CATECHIN HYDRATE LOADED TRANSETHOSOME FOR TREATMENT OF MELASMA	<b>Mr. Veerkumar Japati</b>
03	Mr. Maheshwar P Marihalkar Mr. Shashank Nadagonda Ms. Sneha Mone Ms. Vinanti Nayak Mr. Yash N Langarkande	NA0120026 NA0120060 NA0120069 NA0120083 NA0120088	APIGENIN-LOADED LIPOSOMAL CHEESE BASED DENTIFRICE:A PROMISING STRATEGY FOR REMINERALIZATION AND CRIES INHIBITION	<b>Mrs. Nisha Shirkoli</b>
04	Mr. Amit Dalawai Mr. Ganeshprasad T Mr. Prajwal Chimmat Mr. Sadashiv Bekkeri Mr. Samuel Dsouza	NA0120005 NA0120016 NA0120039 NA0120049 NA0120055	FORMULATION AND EVALUATION OF HERBAL HAIR GROWTH DIMINISER STICK	<b>Dr. Bhuvaneshwar i R. Sharannavar</b>



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Sl. No.	Name of the candidate	Reg. No.	Title of the Research Project	Name of the Guide
<b>Department of pharmacology</b>				
01	Mr. Muhammadmuseb Desai Ms. Nazeera Landur Ms. Farheen Mulla	NA0120029 NA0120031 NA0120095	Pharmacological evaluation for anti allergic activity of Pueraria yuberosa methanoilic extract on challenging by compound 48\80in mice	<b>Mr. Prakash Biradar</b>
02	Mr. Mohammad Zaid Bepari Musawwir Tambadi	NA0120028 NA0120030	Evaluation of Anti inflammatory activity of Lep vati Churna in wistar rats.	<b>Dr. Namit kudatarkar</b>
03	Mr. Jyotinath Nirmalkar Mr. Shrihari Patil	NA0120021 NA0120066	Current advances and future perspectives on oncology studies	<b>Mrs Nikita Sadalge</b>
04	Ms. Shashidhar Patil Ms. Shruti Mole	NA0120061 NA0120067	Evaluation of Hydroalcoholic extract Basella alba on in-silico and in-vitro anti arthritic activity	<b>Dr. Priyanka Patil</b>
05	Mr. Arsalan ali Mr. Bilal Rasheed bhat Mr. Sunny Gupta	NA0120092 NA0120093 NA0120096	Exploring the anti-coagulant potential of benincasa hispida by insiloco and invitro approach	<b>Dr. Priyanka Patil</b> <b>Mr. Abhinandan Munolli</b>

Sl. No .	Name of the candidate	Reg. No.	Title of the Research Project	Name of the Guide
<b>Department of Pharmacognosy</b>				
01	Ms.Simran Gawas Ms.Srushti Murgod Mr. Sushant R Madar Mr. Adarsh Umarani	NA0120018 NA0120075 NA0120077 NA0120081	Development and Evaluation of Nanoformulation Containing Herbal Bioactives for Antiinflammatory potential	<b>Mr.Aks hay K Patil</b>
02	Ms. Sakshi A Kudache Mr. Nikhil A Kalburgi Ms. Neha S Powar	NA0120051 NA0120097 NA0120098	Formulation and Evaluation of Hydrogel Containing <i>Ficus benghalensis</i> Bark Extract for Antiinflammatory Activity	<b>Ms.Sne ha B Patil</b>



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SI No.	Student Name	Register No	Title	Guide Name
<b>Department of Pharmaceutics</b>				
<b>1</b>	Mr. Adarsh Patil	NA0120001	Formulation and <i>In-Vitro</i> Evaluation of Sacubitril and Valasartan loaded Oral Dissolving Films	<b>Mr. Ravikiran Kanabargi</b>
	Mr. Nikhil Jain	NA0120033		
	Mr. Panchakshari Salimath	NA0120037		
	Ms. Anjali Kanaka	NA0120094		
<b>2</b>	Mr. Alfian Kittur	NA0120004	Preparation, Evaluation and Optimization of serratiopeptidase loaded fast dissolving oral films	<b>Mr. Sujay Hulyalkar</b>
	Mr. Ketan Sarda	NA0120023		
	Mr. Suprit Tamadalage	NA0120102		
<b>3</b>	Mr. Gautam Naik	NA0120017	Formulation, Optimization and Evaluation of Naringenin loaded Cubosomes for effective management of Alzheimer.	<b>Mrs. Kishori Sutar</b>
	Mr. Vinayak Udagatti	NA0120085		
	Mr. Yashowardhan Raut	NA0120099		
<b>4</b>	Mr. Deepak Oswal	NA0120014	Formulation and Evaluation of Emulgel for selected Antifungal agent.	<b>Mr. Pankaj Patil</b>
	Mr. Samarth Ugare	NA0120053		
	Mr. Sarvesh Naik	NA0120057		



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Ref. No. KLE/ COP/

Date : 25.11.2024

## Expeditionary Learning

### Department of Pharmacognosy

**Expeditionary Learning in Pharmacognosy:** Development and Validation of QbD-Driven Stability Indicating UV Spectrophotometric Method for Simultaneous Estimation of Trigonelline and Piperine and its Application to Nanoformulation

Expeditionary Learning (EL) is a dynamic educational approach that combines real-world exploration, experiential learning, and research-driven projects. In the Pharmacognosy Department, EL enables students and researchers to actively engage with innovative methodologies, particularly in the development of advanced analytical techniques and their practical applications.

One such initiative involves the **Development and validation of a Quality by Design (QbD)-driven stability-indicating UV spectrophotometric method for the simultaneous estimation of trigonelline and piperine**. This method not only supports the pharmaceutical evaluation of these bioactive compounds but also finds its application in their incorporation into advanced nanoformulations.

### Key Aspects of the Research

#### 1. Significance of Trigonelline and Piperine:

- **Trigonelline**, a bioactive alkaloid from *Trigonella foenum-graecum* (fenugreek), and **piperine**, a major alkaloid from *Piper nigrum* (black pepper), are known for their therapeutic properties, including anti-inflammatory, antidiabetic, and bioenhancing effects.
- The simultaneous estimation of these compounds is critical for understanding their synergistic potential and for quality control of herbal formulations.

#### 2. QbD-Driven Analytical Method Development:

- **Quality by Design (QbD)** emphasizes a systematic, science-based approach to method development, focusing on understanding the critical process parameters and their impact on method performance.
- This research involves identifying critical method attributes (CMAs) such as wavelength selection, solvent choice, and analytical conditions to ensure robust and reproducible results.





### 3. Stability-Indicating Assay:

- The method is designed to distinguish the active compounds from their degradation products under various stress conditions (e.g., light, heat, pH, and oxidative environments), ensuring its reliability in stability studies.

### 4. Nanoformulation Application:

- The validated method is applied to analyze nanoformulations containing trigonelline and piperine, ensuring their quality, stability, and consistent therapeutic performance.
- Nanoformulations enhance the bioavailability and efficacy of these bioactive compounds, aligning with current trends in targeted drug delivery systems.

This research epitomizes Expeditionary Learning by combining field-based exploration, innovative analytical method development, and cutting-edge nanoformulation technologies. The successful execution of this project not only contributes to the field of pharmacognosy but also prepares researchers with the skills and mindset to address complex challenges in natural product research and pharmaceutical sciences.



Head

Department of Pharmacognosy

KLE College of Pharmacy, Belagavi

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Advances in Pharmacology and Pharmacy

**Manuscript Title**

Development and Validation of QbD Driven Stability Indicating UV Spectrophotometric Method for Simultaneous Estimation of Trigonelline and Piperine and its Application to Nanoformulation

**Abstract**

The objective of current research work was to develop quality by design based simple stability indicating UV Spectrophotometric method for simultaneous analysis of trigonelline and piperine and its application to prepared nanoformulation. A simple, cost economic method was developed and validated as per ICH guidelines. Design of experiment was used to optimize the method where sonication time and scanning interval were identified as independent variables and absorbance was considered as dependent variable. A simple 32 full factorial design with 9 runs were used to optimize the method. Water is used as major solvent. The optimized run (10 min sonication time and medium scanning interval) was extensively validated as per ICH guidelines. Forced degradation study also carried out. Furthermore, the devised method was successfully applied for the estimation of drugs in prepared nanoformulation. Based on the result, method was found to be simple, accurate, precise, robust as evidenced by validation parameters which all falls within acceptance limits. A linear relationship was determined between the concentration ranging from 2 to 10 µg/ml, with a regression coefficient of 0.999 for trigonelline (265nm) and piperine (342nm). Both precision assays showed percent RSD less than 2 indicating precise nature of method. The percentage recovery ranged from 99.54 to 101.43 % for trigonelline and 99.88 to 101.83 % indicating promising accuracy. Trigonelline showed LOD and LOQ values of 1.064 µg/mL and 3.22 µg/mL and piperine showed 0.814 µg/mL and 2.46 µg/mL respectively which proves sensitive nature of method. Percent RSD less than 2 indicates the developed method is rugged and robust. Further, acidic basic and oxidative showed degradation in the range 10-19% whereas photolytic assay showed pronounced degradation characteristics (44-52%). Additionally, the developed method was successfully utilized for the estimation of trigonelline and piperine in prepared nanoformulations.

**Keywords**

Quality by Design, Trigonelline, Piperine, UV Spectroscopic, Validation

**Copyright**

No

**History Records**

Date	Latest Status	Editor Comment
2024-11-19	Ready for Acceptance	
2024-09-10	Revision Requested	
2024-07-25	Under Peer Review	
2024-07-23	Initial Screening	Your manuscript has been assigned to editors for initial screening. The outcome of initial screening will be sent to you by Chloe Crawford (preview.hrpub@gmail.com) within 7 business days.
2024-07-19	Submit Success	


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Recognized by PCI&AICTE; **B. Pharm** program has been accredited by **NBA** (4<sup>th</sup> Cycle) for a period of **6 years** (up to June 2025)

JNMC Campus, Nehru Nagar, Belagavi-590 010, Karnataka, India. Phone: +91 831-2471399; Web: [www.klepharm.edu](http://www.klepharm.edu); E-mail: [principal@klepharm.edu](mailto:principal@klepharm.edu)

**Date: 03 Aug 2024**

1	Name of the program	Street Play on Organ Donation
2	Department/ Association involved	NSS
3	Date	10 November 2024
4	Duration	30 minutes
5	Location	Aste Village, Belagavi, Karnataka.
6	Objective of the program	To Provide Awareness on Organ Donation
7	Program Activities	The NSS units of KLE College of Pharmacy, Belagavi, conducted an awareness program on organ donation at Aste village. The event aimed to educate villagers on the significance of organ donation in saving lives and addressed common misconceptions. Informative sessions were conducted, highlighting the legal and ethical aspects of organ donation. Pamphlets and brochures were distributed to ensure continued awareness. The program received an encouraging response from the villagers. This initiative reinforced the NSS's commitment to community health and awareness.
8	No. of Beneficiaries	20 Villagers
9	Resource Person	NSS Volunteers, KLE College of Pharmacy, Belagavi.
10	Department	NSS
11	No of students participated	12
12	Co-Ordinator's	NSS Program Officers, KLE College of Pharmacy, Belagavi.
13	Photograph	





  
Principal

Ref. No. : \_\_\_\_\_

Date : \_\_\_\_\_

## Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi

<b>Activity Type</b>	Interactive small group discussion
<b>Brief summary on activity conducted</b>	Small group discussion activity encourages active participation, exchange of ideas, and the exploration of different perspectives. Participants contribute their thoughts, experiences, and insights, fostering a dynamic and inclusive dialogue.
<b>Course</b>	P.G (Pharm.D)
<b>No. of students participated</b>	27
<b>Activity Photos</b>	 




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## Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi

<b>Activity Type</b>	Bedside teaching
<b>Brief summary on activity conducted</b>	Here's a brief on students learn directly from patients under the guidance of experienced clinicians at the patient's bedside. It is a hands-on approach that allows students to integrate theoretical knowledge with practical skills in a real clinical setting.
<b>Course</b>	P.G (Pharm.D)
<b>No. of students participated</b>	28
<b>Activity Photos</b>	 






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<b>Activity Type</b>	Demonstration
<b>Brief summary on activity conducted</b>	Demonstrations as a student-centric method involves showcasing practical examples, experiments, or real-world applications to enhance understanding of concept. This type of learning offers significant advantages in terms of enhanced understanding and active engagement. Students witnessed real-world challenges and applications thus fostering a deeper understanding of the concept.
<b>Course</b>	UG (B.Pharm)
<b>No. of students participated</b>	28
<b>Activity Photos</b>	 






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<b>Activity Type</b>	Community awareness
<b>Brief summary on activity conducted</b>	Community awareness as a student-centric method concept emphasizes the active involvement of students in understanding, addressing, and contributing to the needs and issues within their local communities.
<b>Course</b>	UG (B.Pharm)
<b>No. of students participated</b>	53
<b>Activity Photos</b>	 





  
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## **Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi**

Activity Type	Value added courses
<b>Brief summary on activity conducted</b>	A Yoga & Nutrition course integrates the principles of yoga and nutrition to promote overall well-being. It covers the holistic connection between mindful eating, physical health, and the spiritual aspects of yoga. Participants explore topics such as yogic philosophy, Ayurveda, mindful eating practices, Sattvic diet, and the energetics of food. The course emphasizes adapting nutrition to individual needs, understanding the importance of digestive health, and incorporating ethical and sustainable food choices.
<b>Course</b>	UG (B.Pharm)
<b>No. of students participated</b>	48
<b>Activity Photos</b>	 




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Placed in Category '**A**' by MHRD (GoI)

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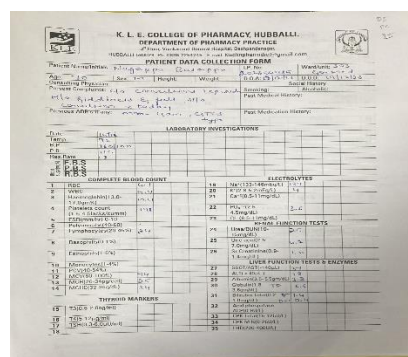
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<b>Activity Type</b>	Case presentations
<b>Brief summary on activity conducted</b>	The primary goal of a case presentation activity is to provide participants with the opportunity to critically examine and present information related to a particular case. This can include analyzing problems, proposing solutions, and discussing relevant factors.
<b>Course</b>	P.G (Pharm.D)
<b>No. of students participated</b>	23
<b>Activity Photos</b>	 






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## Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi

<b>Activity Type</b>	Field Visit
<b>Brief summary on activity conducted</b>	Field visits for students can be a valuable and enriching component of their education. It clearly defines the educational objectives. Students with valuable real-world experiences that enhance their understanding of academic subjects and foster a love for learning.
<b>Course</b>	UG (B. Pharm)
<b>No. of students participated</b>	62
<b>Activity Photos</b>	 




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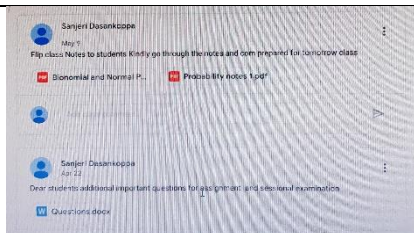
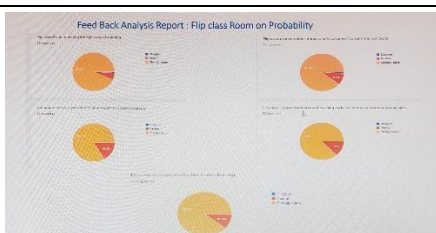
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## Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi

<b>Activity Type</b>	Flipped Class Room
<b>Brief summary on activity conducted</b>	Students engage with instructional materials (videos, readings, podcasts, etc.) before coming to class. This allows them to familiarize themselves with the content and activities to apply the knowledge.
<b>Course</b>	UG (B. Pharm)
<b>No. of students participated</b>	68
<b>Activity Photos</b>	 





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## Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi

<b>Activity Type</b>	Journal club/ seminar
<b>Brief summary on activity conducted</b>	journal club/seminar is to facilitate in-depth discussions on current research, new developments, or relevant topics within a specific field. This activity promotes critical thinking, knowledge dissemination, and collaborative learning among participants.
<b>Course</b>	P.G (Pharm.D)
<b>No. of students participated</b>	24
<b>Activity Photos</b>	




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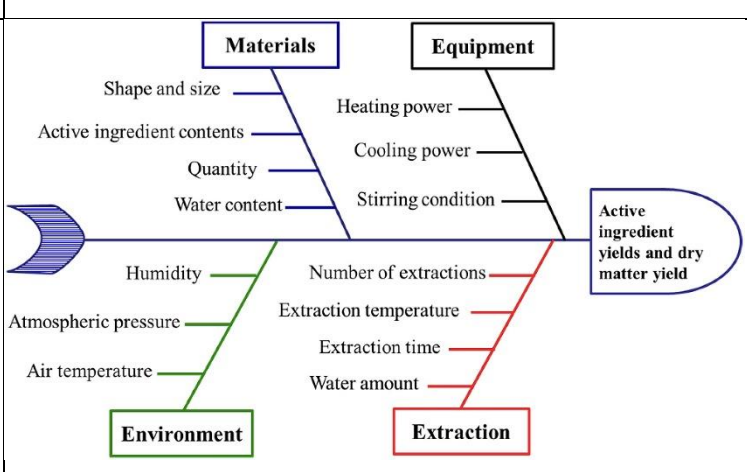
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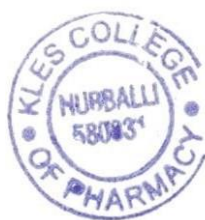


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## **Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi**

<b>Activity Type</b>	Mind Mapping Through ISHIKAWA diagrams (FISH BONE MIND MAPS)
<b>Brief summary on activity conducted</b>	The fishbone diagram is a cause-and-effect diagram that helps Students to create a mind maps with the Equipments used in Pharmaceutical processing with it Construction, Principle, objectives and applications along with advantages and disadvantages . The diagram looks just like a fish's skeleton with the problem at its head and the causes for the problem feeding into the spine, it increases the creativity and cognitive skills in Students
<b>Course</b>	UG (B.Pharm)
<b>No. of students participated</b>	104
<b>Activity Photos</b>	




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## Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi

<b>Activity Type</b>	Street Play
<b>Brief summary on activity conducted</b>	Street play on healthcare awareness is to communicate vital health-related information to a broad audience in an engaging and accessible manner. By using the medium of drama, the activity seeks to raise awareness, promote positive health behaviors, and address key issues within the community.
<b>Course</b>	UG & PG
<b>No. of students participated</b>	22
<b>Activity Photos</b>	

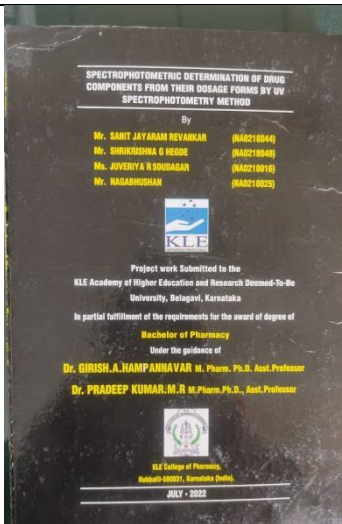
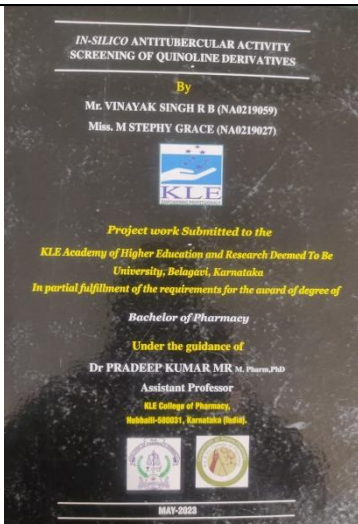


  
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## Report on Student centric methods adopted in teaching learning at KLE College of Pharmacy Hubballi

Activity Type	Project based learning
Brief summary on activity conducted	Project based learning involves application of skills learnt during the course with respect to handling of instruments and newer methods to accomplish the project as a part of their curriculum. During this students learnt to explore the proper methods to solve the challenges they faced during the project.
Course	UG (B.Pharm)
No. of students participated	62
Activity Photos	 




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Date: 02-04-2024

### STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Flipped Classroom
Topic	Assay and standardization
Conducted by	Ms. Priyanka Tiwari Department of Pharmaceutical Chemistry
Beneficiaries	Pharm.D 1st year
Out come	Students could correlate and understand the basic concept and importance of performing assay and standardization.



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Head of the Department

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### STUDENT CENTRIC LEARNING REPORT

Date: 20-03-2024

Particulars	Details
Name of the teaching method	Participative Learning
Topic	Anticonvulsant drugs
Conducted by	Mrs. Shilpa Murthy Department of Pharmaceutical Chemistry
Beneficiaries	B Pharm 2 <sup>nd</sup> year/IV sem(2024)
Out come	<ul style="list-style-type: none"> <li>Discussed the concept of anticonvulsant drugs</li> <li>Understood the basics of different forms of epilepsy and their etiology</li> </ul>



*Shilpa Murthy*  
Subject Incharge

*[Signature]*  
Head of the Department

*[Signature]*  
Principal

Date: 21/03/2024

**STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Self-Directed Learning
Topic	Oral presentation titled "Formulation and evaluation of anti-diabetic nano dosage form of Madhumehahara kwatha" at "International Conference on Pharma Research Innovations- Advancing Healthcare for a Sustainable Future KRUPACON 2024" by II M.Pharm student.
Conducted by	Dr.Mamatha.A Department of Pharmacognosy
Beneficiaries	II M.Pharm.
Out come	Students engage in hands-on, practical application of their knowledge and skills. This type of learning method provides students with the opportunity to delve deeper into their subject matter, develop critical thinking and communication skills, and gain experience in presenting their work to audience.



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Date: 22/02/2024

**STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Collaborative Learning
Topic	Pharmacognosy of Crude Drugs
Conducted by	Dr.Mamatha.A Department of Pharmacognosy
Beneficiaries	II Pharm.D
Out come	Students actively involved in peer learning which is a type of collaborative learning that involves students working in small groups to discuss concepts of the topic, able to understand concepts clearly.




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**Subject Incharge**




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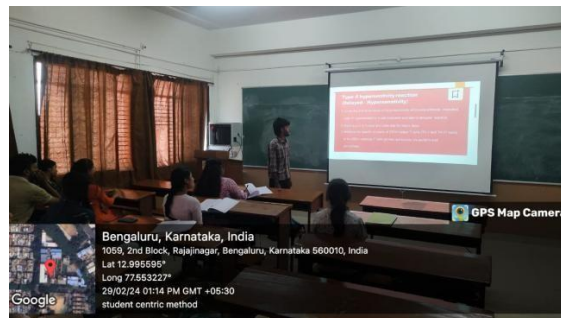
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Date: 29/02/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Participatory learning
Topic	Seminar on Hypersensitivity reaction
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 2 <sup>nd</sup> year Students
Outcome	<ul style="list-style-type: none"> <li>● seminars enhances knowledge, skills, and connections, contributing to holistic student development.</li> <li>● Students learnt to think beyond textbooks and engage with complex topics.</li> <li>● Students present their work, improving communication abilities.</li> </ul>



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Date: 13/12/2023

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Participatory learning
Topic	Seminar on Randomization
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 5 <sup>th</sup> year Students
Outcome	<ul style="list-style-type: none"> <li>seminars enhances knowledge, skills, and connections, contributing to holistic student development.</li> <li>Students learnt to think beyond textbooks and engage with complex topics.</li> <li>Students present their work, improving communication abilities.</li> </ul>

### **Geotag photos**



  
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**Head of the Department**

  
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Date: 21/03/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Experiential learning
Topic	Case studies
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 4 <sup>th</sup> year Students
Outcome	<ul style="list-style-type: none"> <li>● Case studies improves student ability to make effective decisions and students learnt to evaluate options, assess risks, and choose the best course of action.</li> <li>● Successfully analyzed and discussed cases that boosts student confidence.</li> <li>● students develop practical skills and gain confidence in your problem-solving abilities</li> </ul>

### **Geotag photos**



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## HYBRID BASED LEARNING REPORT

Particulars	Details
Name of the teaching method	Quiz Using App (Aha Slides)
Topic	Pharmaceutical Biotechnology
Conducted by	Mrs. Anjali Sinha Department of Pharmaceutics
Beneficiaries	B Pharm VI Sem
Out come	Students came with the preparation for that topic and showed full involvement with enthusiasm.

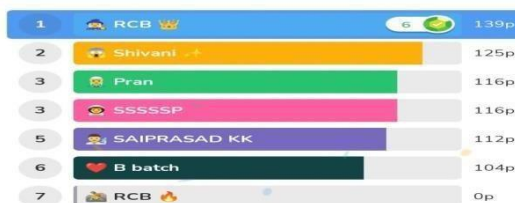


**AhaSlides**

### Final Leaderboard

You've got 13 / 20 correct (65%)

Rank: 1 / 7



*Anjali Sinha*

Subject Incharge



*Anand*

Head of the Department

*Anand*

Principal  
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Date: 02-04-2024

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Collaborative learning
Topic	Herbal Drug Technology: Herbal Formulations - Tablets, Syrups.
Conducted by	Mr. Sumanth G Department of Pharmacognosy
Beneficiaries	B Pharm 3 <sup>rd</sup> year/VI sem(2024)
Out come	<ul style="list-style-type: none"> <li>Discussed Herbal Drug Preparations, Herbal Formulations, Categories of Herbal Formulations.</li> <li>Students have got to know about Method of Preparation of Tablets and Syrups.</li> </ul>



  
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**Date: 02-04-2024**

## **STUDENT CENTRIC LEARNING REPORT**



Particulars	Details
Name of the teaching method	Participative Learning
Topic	ADME
Conducted by	Narahari KV
Beneficiaries	B. Pharm 6 <sup>th</sup> sem students
Out come	<p>Students were able to brain storm on the journey of drug moiety in the body discussing the factors involved in absorption, distribution with enzymatic role until excretion.</p> <p>This provided an inquiry-based learning by engaging majority of students.</p>

  
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**Head of the Department**



  
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Date: 12-11-2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Kinesthetic Learning
Topic	Study of factors affecting efficiency of Ball mill in comminution
Conducted by	Mr. Narahari KV
Beneficiaries	B. Pharm 3 <sup>rd</sup> sem students
Out come	Students were able to demonstrate factors such as ball size, density, feed rate, rpm and material properties that affect the size reduction of solid drug / excipient feed material. This provided a hands-on experience to majority of students providing knowledge to install, operate and apply ball mill in future project work.



  
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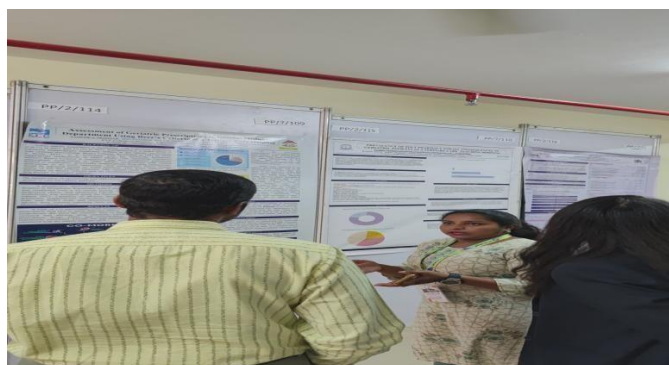
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**Date: 23/03/2024**

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Participatory learning
Topic	Poster Presentation Titile: Assessment of geriatric prescription using beers criteria at tertiary care hospital.
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 5 <sup>th</sup> year Student
Outcome	<ul style="list-style-type: none"> <li>Student were able to direct their own learning and could present the paper confidentially.</li> </ul>



*[Signature]*  
**Subject Incharge**

*[Signature]*  
**Head of the Department**



*[Signature]*  
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**Date: 3/04/2024**

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Experiential learning
Topic	Clinical Skill Training with simulation modal
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 4 <sup>th</sup> year Students
Outcome	Students individually trained about the skills required during intravenous and intramuscular injection of medicines

### **Geotag photos**



  
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**Date: 01/04/2024**

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Kinesthetic Learning
Topic	Bones of the Skeleton (Axial Skeleton and Appendicular Skeleton)
Conducted by	Ms. Poojashree V Department of Pharmacology
Beneficiaries	B. Pharm. 1 <sup>st</sup> year/2 <sup>nd</sup> semester
Out come	<ul style="list-style-type: none"> <li>Manipulating physical models or participating in hands-on demonstrations of the skeletal system can provide students with a deeper understanding of its structure and function.</li> <li>By physically interacting with bones and observing their characteristics, students can better grasp concepts such as bone types, shapes, and articulations.</li> </ul>



*Poojashree V*  
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*Poojashree V*  
**Head of the Department**



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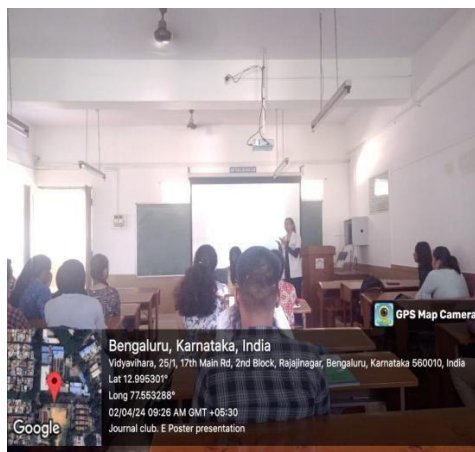
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Date: 02/04/2024

## **STUDENT CENTRIC LEARNING REPORT**


Particulars	Details
Name of the teaching method	Project based learning
Topic	E- Poster presentation Title: Drug interaction between ACE inhibitor and allopimol
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 4 <sup>th</sup> year Students
Outcome	Student were able to direct their own learning and could present the poster confidentially

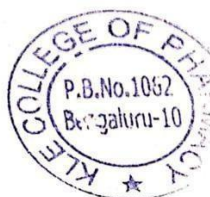
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Date: 03/04/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Role play
Topic	Medication history interview
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 4 <sup>th</sup> year Students
Outcome	<ul style="list-style-type: none"> <li>Students Understood the professional roles and responsibilities contributes to professional identity.</li> <li>Students improve effective communication skills.</li> </ul>

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Date: 3/04/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Experiential learning
Topic	Clinical Skill Training with simulation modal
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 4 <sup>th</sup> year Students
Outcome	Students individually trained about the skills required during intravenous and intramuscular injection of medicines

### **Geotag photos**



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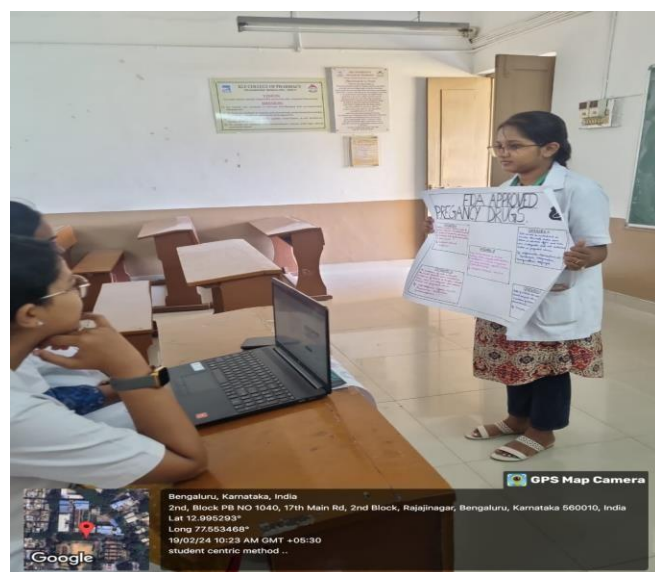
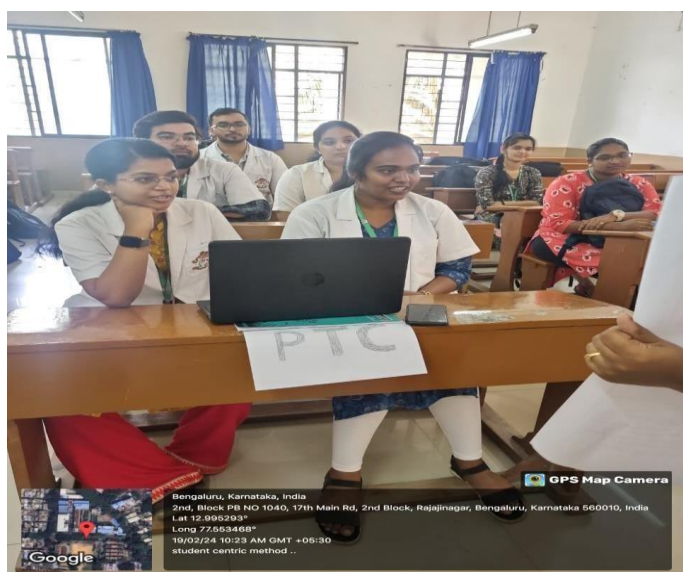
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Date: 09/02/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Role Play
Topic	Role of Pharmacist in Pharmacy and Therapeutic Committee
Conducted by	Dr. Usha D S
Beneficiaries	IV Pharm D students
Out come	Role play enhance communication skills and better understanding of responsibility of pharmacist in hospital

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**Head of the Department**



**Principal**

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Date: 23/01/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Role Play
Topic	Patient Counselling on Tuberculosis
Conducted by	Dr. Mandara M S
Beneficiaries	III <sup>rd</sup> Pharm D students
Out come	Role- play allows students to practice and enhance communication skills, improve clinical competence and increased empathy and understanding disease scenario.


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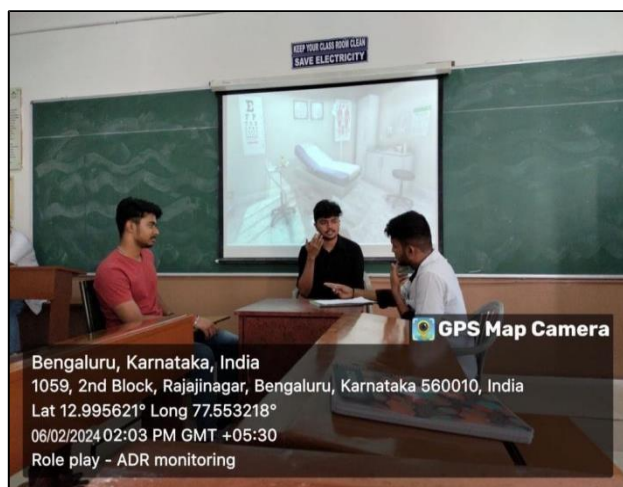
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Date: 06/02/2024


## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Role Play
Topic	ADR monitoring
Conducted by	Dr. Mandara M S
Beneficiaries	III <sup>rd</sup> Pharm D students
Out come	Role- play allows students to identify and report adverse reactions, enhance communication skills, understand the reporting protocol and discussing strategies to monitor and manage adverse reactions.


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## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Group teaching and learning
Topic	Therapeutic drug monitoring of Carbamazepine
Conducted by	Dr.Mandara M S Department of Pharmacy Practice
Beneficiaries	V <sup>th</sup> Pharm D students
Out come	Group teaching improves comprehension of TDM principles specific to carbamazepine. Students gain insights into the drug pharmacokinetics and pharmacodynamics.



  
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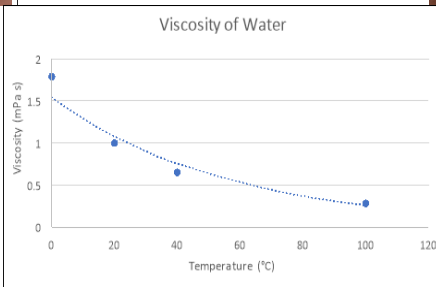
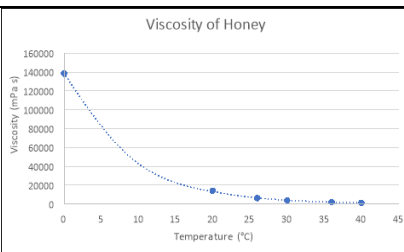
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## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Collaborative learning
Topic	Types of rheology and effect of temperature on viscosity
Conducted by	Mrs. Arvinder Kaur Department of Pharmaceutics
Beneficiaries	B Pharm 2 <sup>nd</sup> year/IV sem(2024)
Out come	<ul style="list-style-type: none"> <li>They understood the effect of temperature on viscosity</li> <li>Rheology types</li> <li>Why proper storage of medication(Liquid dosage form) at a fixed temperature is required?</li> </ul>



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## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Problem Solving Learning
Topic	Surface Tension/Partition coefficient/HLB determination
Conducted by	Mrs. Arvinder kaur
Beneficiaries	B.Pharm III semester
Out come	<ul style="list-style-type: none"> <li>Enhanced Critical Thinking Skills</li> <li>Application of Knowledge</li> <li>Deeper understanding of concepts.</li> </ul>
	

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Date: 01/04/2023

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Seminar
Topic	Pharmaceutical Microbiology
Conducted by	Akshay Kumar K S
Beneficiaries	II Pharm D Students
Out come	The outcome of a seminar by students in microbiology can be highly beneficial in terms of knowledge dissemination, skill development, collaboration learning.

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*Akshay Kumar K S*  
Subject Incharge



*N. S. Srinivas*  
Head of the Department

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Date: 14/08/2024

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Group- teaching and learning
Topic	Industrial Pharmacy-I
Conducted by	Akshay Kumar K S
Beneficiaries	V Sem B.Pharm
Out come	The outcome of a Group-teaching and learning by students will demonstrate effective communication, cooperation, and conflict-resolution skills within a team.

### Geotag photos



*Akshay Kumar K S*  
Subject Incharge



*N. S. Srinivas*  
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Date: 02-04-2024

## **STUDENT CENTRIC LEARNING REPORT**



Particulars	Details
Name of the teaching method	Collaborative Learning
Topic	In silico modeling
Conducted by	Dr H.N.Shivakumar
Beneficiaries	M. Pharm 2 <sup>nd</sup> sem students
Out come	Students were able to discuss the different in silico models that would be able to predict the drug permeability or absorption in the process of drug discovery.  This provided a collaborative learning by engaging majority of students.

  
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Date: 02.04.24

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Scientific paper writing
Topic	Evaluating the Effect of <i>Moringa concanensis</i> on Aluminium Chloride-induced Anemia in Wistar Rats.
Conducted by	Dr.Hariprasad M.G
Beneficiaries	PG Scholars
Out come	Publication

### Publication



JOURNAL OF NATURAL REMEDIES  
DOI: 10.18311/jnr/2024/34553



RESEARCH ARTICLE

## Evaluating the Effect of *Moringa concanensis* on Aluminium Chloride-induced Anemia in Wistar Rats

Rahul Kumar, M. G. Hariprasad\*, Moqbel Ali Moqbel Redhwan, Vidyabhushan Yadav, Apurwa Dhavale and Sourav Guha

Department of Pharmacology, KLE College of Pharmacy, Bengaluru - 560010, Karnataka, India; [hariprasadm2004@yahoo.com](mailto:hariprasadm2004@yahoo.com)

### Abstract

Anemia, a widespread global health challenge, can be induced through exposure to deleterious substances such as aluminum chloride. The present investigation explores the potential ameliorative effects of *Moringa concanensis* - a plant acknowledged for its myriad medicinal virtues-against anemia induced by aluminium chloride. The study objective was to scrutinize the impact of *Moringa concanensis* on aluminium chloride-induced anemia in Wistar rats. In the experimental design, thirty Wistar rats were randomly distributed into five distinct groups: a normal control group (untreated), a diseased control group (administered with aluminium chloride at a dose of 0.5 mg/kg body weight), a standard group (treated with Ferrous ascorbate at 30 mg/kg body weight), and two groups receiving low and high doses of *Moringa concanensis* (200 mg/kg and 400 mg/kg body weight, respectively). All groups, with the exception of the normal control, were exposed to aluminium chloride at a dosage of 0.5 mg/kg body weight over a span of 14 days. Hematological indicators were evaluated following standard methodologies, serum ferritin levels were assessed through Electrochemiluminescence immunoassay (ECLIA), and vitamin B12 concentration was quantified using atomic absorption spectroscopy. Furthermore, histopathological alterations were identified through Hematoxylin and Eosin staining procedures. Statistical data were interpreted through one-way ANOVA, succeeded by Tukey's post hoc analysis, considering a p-value below 0.05 as statistically significant. Upon 21 days of continuous treatment with *Moringa concanensis*, both low and high-dose groups exhibited elevation in hematological parameters, serum ferritin, total iron-binding capacity, and vitamin B12 in comparison to the diseased control group. Noteworthy findings were observed in the high-dose group (400 mg/kg body weight), displaying significant improvement compared to the diseased control group ( $P < 0.001$ ). Remarkably, the high-dose regimen restored hematological parameters to baseline levels and mirrored the efficacy observed with the standard drug (Ferrous ascorbate). These empirical findings underscore the potential of *Moringa concanensis* as a promising therapeutic candidate for the alleviation of aluminium chloride-induced anemia. These results pave the way for future research endeavors to unravel the precise mechanisms driving these protective effects.



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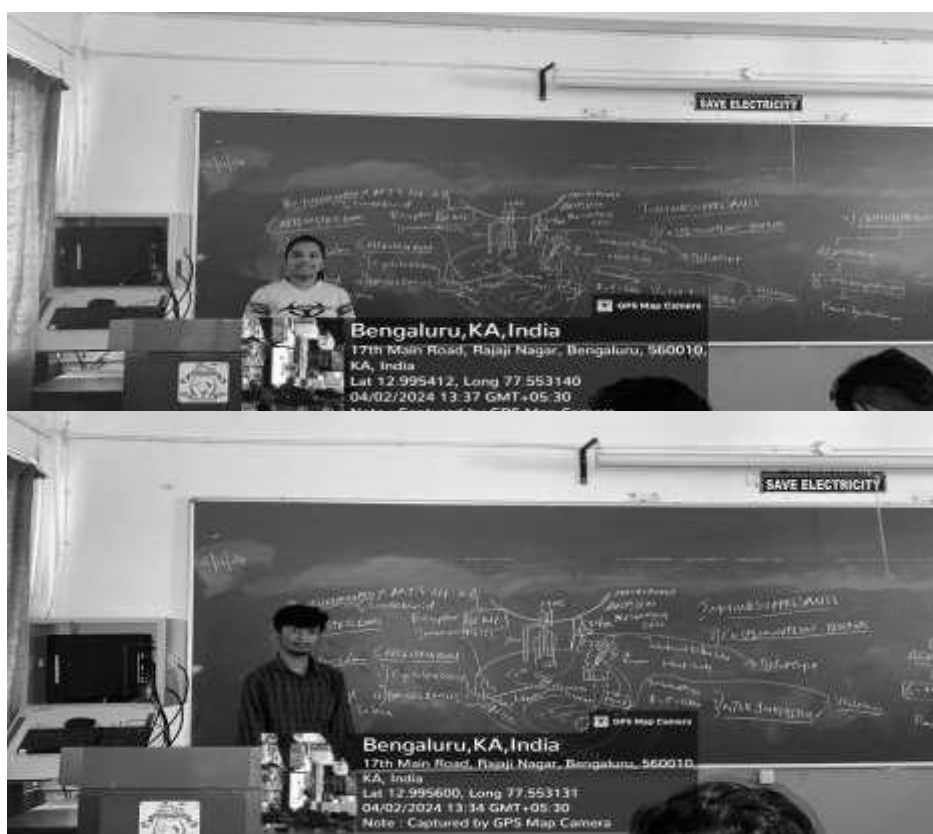
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Date: 01/04/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Collective learning
Topic	Formulation of Parenteral Product
Conducted by	Ms. Geethika Harikumar Dept. of Pharmaceutics
Beneficiaries	Pharm D 3 <sup>rd</sup> Year Students
Outcome	<ul style="list-style-type: none"> <li>Discussed the formulation of parenteral products and the containers used for them.</li> </ul>

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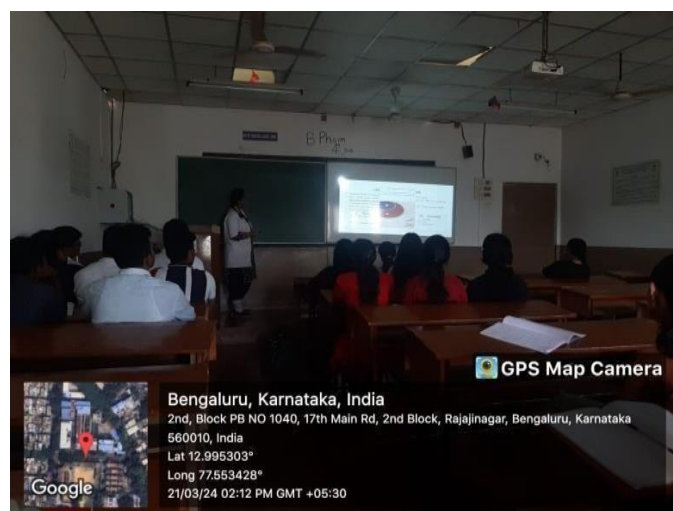
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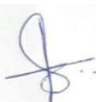
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
Date: 20-03-2024

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Collaborative learning
Topic	Pharmacognosy in Alternative systems of medicine: <b>Homeopathy</b> and <b>Chinese systems</b> of medicine.
Conducted by	Mr. Vinay . J Department of Pharmacognosy
Beneficiaries	B Pharm 2 <sup>nd</sup> year/IV sem(2024)
Out come	<ul style="list-style-type: none"> <li>Discussed Homeopathy and Chinese systems of medicine.</li> <li>Understood role of Pharmacognosy in various system of medicines</li> <li>Diagnosis And Treatment in Homeopathy and Chinese systems of medicine</li> </ul>



  
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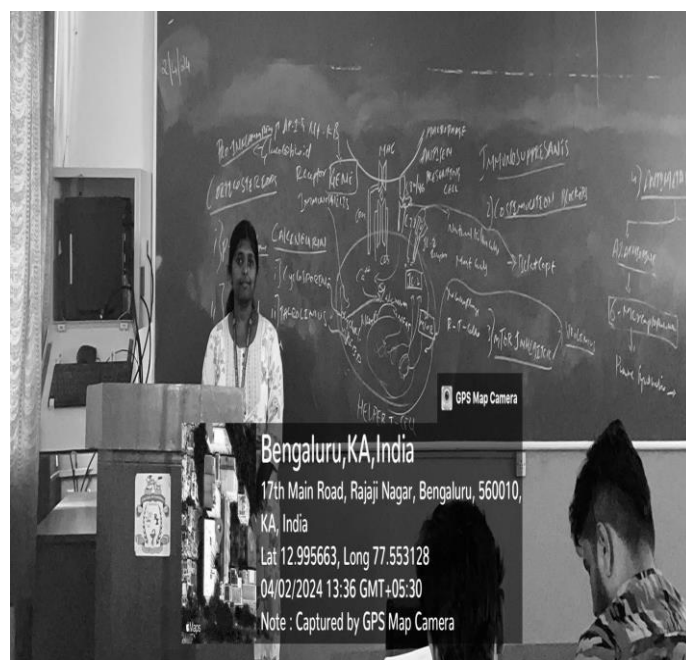
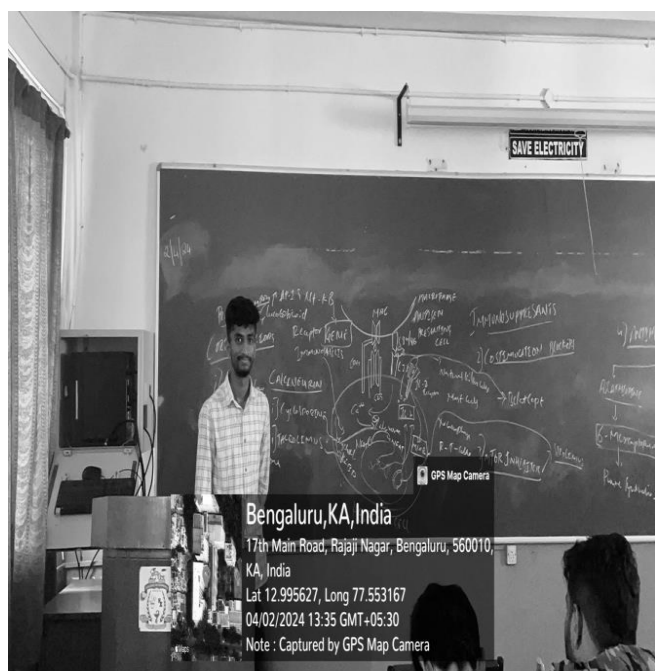
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Date: 01/04/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Interactive Learning
Topic	Immuno suppressants
Conducted by	Mr. Sai Kiran Dept. of Pharmacology
Beneficiaries	B.Pharm 3 <sup>rd</sup> year / 6 <sup>th</sup> Semester
Outcome	<ul style="list-style-type: none"> <li>Students have learned about immunity and how it responds to foreign particles, as well as strategies to reduce its activity.</li> </ul>

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**Head of the Department**



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Date: 02-04-2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Group Discussion
Topic	Group discussion on: Classification and Nomenclature of heterocyclic compounds
Conducted by	Ms. Priyanka Tiwari Department of Pharmaceutical Chemistry
Beneficiaries	B.Pharm 2nd year
Out come	Students could correlate and understand the naming and steps in nomenclature of heterocyclic compounds.

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Date: 01/04/2024

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Interactive Learning
Topic	Documentation Maintenance in Pharma
Conducted by	Mr. Uttam Kumar Dept. of Pharmaceutical Analysis
Beneficiaries	B.Pharm 3 <sup>rd</sup> year / 6 <sup>th</sup> Semester
Outcome	<ul style="list-style-type: none"> <li>Students have learned about record maintenance and document maintenance in the industry</li> <li>Students also learnt how to prepare BMR and master formula record.</li> </ul>

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Bengaluru-560 010

# KLE College of Pharmacy

(Re-Accredited by NAAC, NBA, Approved by -AICTE, PCI New Delhi)

[Declared as Deemed-to-be-University under section 3 of the UGC Act, 1956 vide Government of India Notification No. F.9-19/2000-U.3(A)]

P.B.No. 1062, 2<sup>nd</sup> Block, Rajajinagar, Bengaluru - 560 010, Karnataka, India.

Date: 01-04-24

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Problem Solving Method
Topic	Identifying suitable route of administration based on given data
Conducted by	Dr. Preethi G B
Beneficiaries	Pharm D 4 <sup>th</sup> Year
Out come	Students were able to analyze the data by applying knowledge gained in theory to identify the route of administration



  
Subject Incharge

  
Head of the Department

  
Principal



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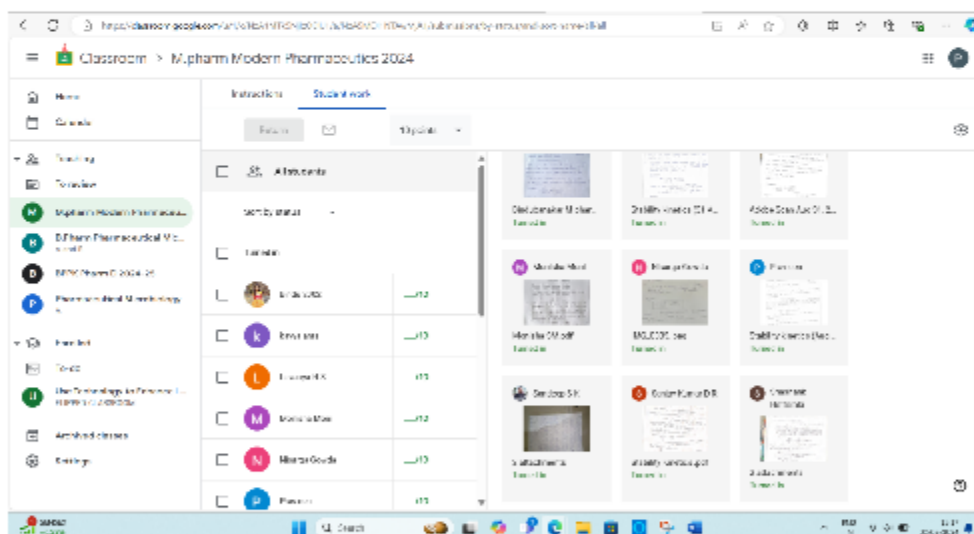
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P.B.No. 1062, 2<sup>nd</sup> Block, Rajajinagar, Bengaluru - 560 010, Karnataka, India.

Date: 29-08-24

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Blended Learning
Topic	2 <sup>nd</sup> Order Stability kinetics with Examples
Conducted by	Dr.Preethi G.B
Beneficiaries	M.Pharm 1 <sup>st</sup> Semester
Out come	Students were able to explain 2 <sup>nd</sup> order stability Kinetics with example and were able to confidently use online platform google class room.



  
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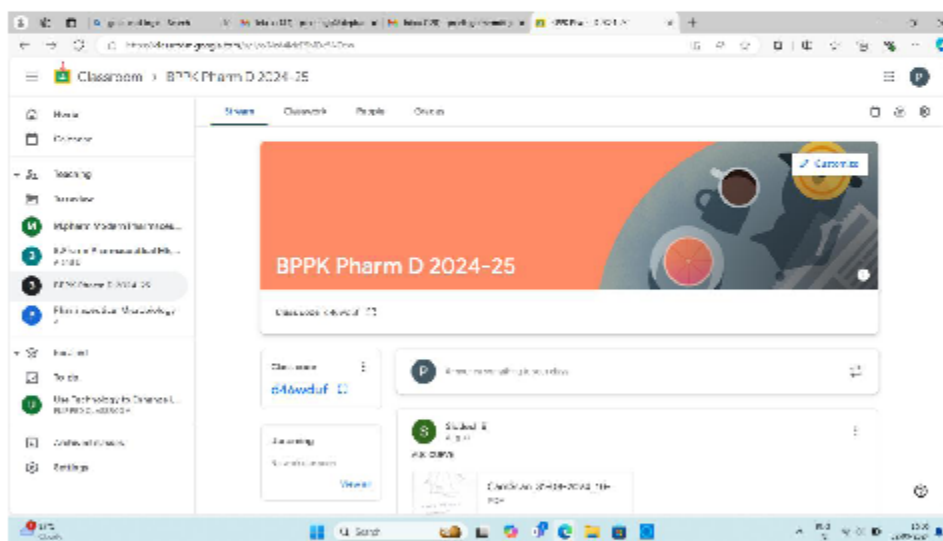
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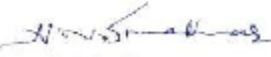
Date: 31-08-24

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Blended Learning
Topic	Pharmacokinetic and Pharmacokinetic parameters estimated from Area Under the Curve
Conducted by	Dr.Preethi G.B
Beneficiaries	Pharm D 4 <sup>th</sup> Year
Out come	Students were able to use online platform as learning tool and able to use confidently Google class room



  
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Date: 10-08-24

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Self-Directed Learning
Topic	Paper presentation at international conference on ICD4-2024, NIPER, Hyderabad  Title: Formulation of Budesonide Mucoadhesive Buccal Patch Using Natural Polymer Xanthum Gum: <i>In-Vito</i> And <i>Ex-Vivo</i> Evaluation
Conducted by	Mrs.Preethi G.B
Beneficiaries	M.Pharm 2 <sup>nd</sup> year
Out come	Students were able to direct their own learning and could present the paper confidently



  
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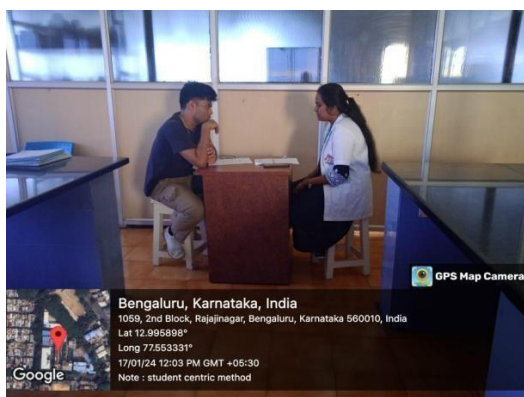
P.B.No. 1062, 2<sup>nd</sup> Block, Rajajinagar, Bengaluru - 560 010, Karnataka, India.

Date: 17/01/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Role play
Topic	Patient Counseling
Conducted by	Dr. Shilpashree BM
Beneficiaries	Pharm D 4 <sup>th</sup> year Students
Outcome	<ul style="list-style-type: none"> <li>Students Understood the professional roles and responsibilities contributes to professional identity.</li> <li>Students improve effective communication skills.</li> </ul>

### **Geotag photos**



**Subject Incharge**

**Head of the Department**

**Principal**  
Principal  
KLE College of Pharmacy,  
Bengaluru-560 010





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## **Self-Directed Learning**

**Date: April 17, 2024**

Sl. No.	Particulars	Information
1	Topic	Management of common illnesses
2	Date, Time and Venue	April 16, 2024, Tuesday, 11:15-12:15pm Duration : 1 hr
3	Location and Address	I1 Lecture Hall, III Floor, KLE College of Pharmacy, Bengaluru
4	Program organized by the Department	Department of Pharmacy Practice
5	Subject, Participant details	Community Pharmacy, II Pharm D. Students
6	Objective of the program	To facilitate the students to understand about medicines that are dispensed by community pharmacy globally for the treatment of common ailments.
7	Activities carried out during the program	<ul style="list-style-type: none"> <li>• Downloading a online guidelines “A guide to the management of common illnesses” for treatment of ailments by community pharmacist</li> <li>• Guiding students on various areas of learning in the guidelines</li> <li>• Students understand the guidelines through objectives, rationality, differential diagnosis, and choice of medicines</li> <li>• Students awareness about applicability of rationality in the choice of medicines for the treatment of patients with common illnesses from various systems of the human body</li> </ul>
8	No. of Students Participated	24
9	No. of Teachers Participated	01
10	No. of Beneficiaries	25
11	Feedback report of beneficiaries	Good
12	Event convener	Dr. Mahesh NM
13	Photographs ( 2 )	   
	 <b>Event Convener</b>	 <b>Principal</b> Principal KLE College of Pharmacy Bengaluru-560 010

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Date: January 05, 2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Patient Centric Learning
Topic	Field Study in the Area of Community Pharmacy
Conducted by	Apollo Pharmacy, Bengaluru
Beneficiaries	Students from IV Pharm D course
Out come	Field study in the community pharmacy helps the students to get hands on training about the handling of patients, prescriptions, dispensing of prescribed medicines, medicines stored, purchase, patient queries including the documents maintained in these professional activities under the supervision of experienced community pharmacist.

Geotag photos:



*my dlish*

**Subject In-charge**

*my dlish*

**Head of the Department**

*[Signature]*

**Principal**



Principal  
KLE College of Pharmacy  
Bengaluru-560 010

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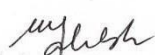
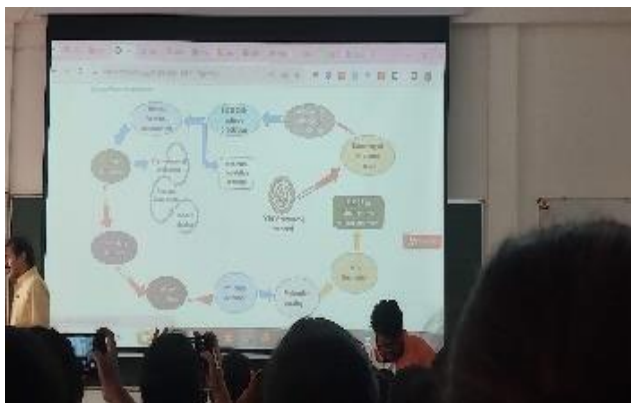
P.B.No. 1062, 2<sup>nd</sup> Block, Rajajinagar, Bengaluru - 560 010, Karnataka, India.

Date: January 22, 2024

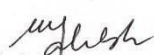
## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Experiential Learning
Topic	Vaccine Toxicology Workshop
Conducted by	IISc, Bengaluru
Beneficiaries	Students from IV Pharm D course
Out come	The fundamentals of what is vaccine, classification of vaccines, reverse vaccinology, mechanism of vaccine and to develop the vaccine sequence using various databases or tools like EXPASY translate tool, ORF finder, VaciJen etc.

### Geotag photos:



Subject In-charge



Head of the Department



Principal



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Date: 20/03/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Collaborative Learning
Topic	De novo synthesis
Conducted by	Ms Aishwarya C Hiremath Dept. of Pharmacy Practice
Beneficiaries	B.Pharm 1 <sup>st</sup> year / 2 <sup>nd</sup> Semester
Outcome	<ul style="list-style-type: none"> <li>Students have learned about the structures and importance of de novo synthesis</li> </ul>

### **Geotag photos**



*[Signature]*

**Subject Incharge**

*[Signature]*

**Head of the Department**

*[Signature]*

**PRINCIPAL**  
**KLE College of Pharmacy**  
Bengaluru-560 010



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Date: 11/11/2024

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Individual learning/self-study
Topic	General Pharmacology- Pharmacodynamics
Conducted by	Ms. Chinthana H B Department of Pharmacology
Beneficiaries	Pharm D. 2 <sup>nd</sup> year
Out come	<ul style="list-style-type: none"> <li>Individual study enhances comprehension of how drugs interact with the body, including mechanisms of action, receptor interactions, and the effects of drug concentration on therapeutic outcomes.</li> <li>Students will gain insights into the therapeutic index of drugs, which helps in assessing drug safety by comparing effective doses to toxic doses.</li> </ul>



*Christina H B*  
Subject Incharge

*Princip 9.8*  
Head of the Department

*[Signature]*  
Principal  
Principal  
KLE College of Pharmacy  
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Date: 15/11/2024

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Kinesthetic Learning
Topic	Bones of the Skeleton (Axial Skeleton and Appendicular Skeleton)
Conducted by	Ms. Chinthana H B Department of Pharmacology
Beneficiaries	B. Pharm. 1 <sup>st</sup> year/1 <sup>st</sup> semester
Out come	<ul style="list-style-type: none"> <li>Kinesthetic learning promotes active participation, making the learning process more engaging and effective. Students often show increased motivation when involved in interactive activities</li> <li>Engaging with physical models allows students to visualize and internalize the relationships between different bones, fostering a deeper comprehension of skeletal anatomy.</li> </ul>



*Chinthana H B*

Subject Incharge

*Princip 9.8*

Head of the Department



*[Signature]*

Principal

Principal  
KLE College of Pharmacy  
Bengaluru-560 010

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Date: 23/10/2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Participative Learning (Seminar)
Topic	Dichrometry titration
Conducted by	Mrs. Dimple Pirgal Department of Pharmaceutical Chemistry
Beneficiaries	I sem B.Pharm
Out come	Students were able to develop presentation skills and learn while participating in discussing atopic with the audience.



*Dimple Pirgal*

**Subject In-charge**

*[Signature]*  
**HOD**

*[Signature]*  
**PRINCIPAL**  
Principal  
KLE College of Pharmacy  
Bengaluru-560 010

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Date: 11/11/2024

## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Group – Teaching and Learning
Topic	Autocoids
Conducted by	Mrs. Kavya M Department of Pharmacology
Beneficiaries	B.Pharm. III year, V sem
Out come	<ul style="list-style-type: none"> <li>They understood the source of autocoids, its actions (physiological and pathological)</li> <li>Understood how to effectively refer books</li> </ul>



Subject Teacher

*Kavya M.*

*V. S. S. S. S.*  
HOD



**PRINCIPAL**  
Principal  
KLE College of Pharmacy  
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Date: 11-11-2024

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Self Learning
Topic	Antimicrobial agents
Conducted by	Dr. Bhagya V
Beneficiaries	Pharm D III year
Out come	Reading autobiographies of drugs can help students engage better, learn, understand and remember the content in an interesting way that is not visible in traditional teaching.



Bhag

**Subject In-charge**

Principals

**Head of the Department**



Principal  
KLE College of Pharmacy  
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## STUDENT CENTRIC LEARNING REPORT

Particulars	Details
Name of the teaching method	Group Teaching and learning
Topic	Limit Test
Conducted by	Ms. Sneha Wali Department of Pharmaceutical Chemistry
Beneficiaries	B Pharm 1 <sup>st</sup> year/Isem
Out come	<ul style="list-style-type: none"> <li>They understood the role of each reagent used in particular limit test.</li> </ul>



1. The students were able to identify the reagents used in the limit test.  
2. They were able to write the chemical reactions involved in the limit test.  
3. They were able to identify the reagents used in the limit test.  
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10. They were able to identify the reagents used in the limit test.

*Sneha*

Subject In-charge

*[Signature]*  
Head of the Department

*[Signature]*  
Principal

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Date: 26-09-24

## **STUDENT CENTRIC LEARNING REPORT**

Particulars	Details
Name of the teaching method	Problem-based Learning Method
Topic	Human Anti-hemophilic vaccine
Conducted by	Dr. Vaita Somasekhar
Beneficiaries	M.Pharm. I Semester (Pharmaceutical Analysis)
Out come	For treatment, control, prevention and decreasing the frequency of bleeding episodes, students were able to appreciate the significance of human anti-hemophilic vaccine.




**Subject Incharge**



**Head of the Department**



**Principal**

## Proof of List of student-centric methods 2023 – 24

### Community visits

**Department-** Community Physiotherapy & camp; Rehabilitation

**Objective** - Community physiotherapy visits aim to make healthcare more accessible by bringing essential services directly to patients' homes. This initiative emphasizes training a dedicated team of health workers who are efficient, dedicated, and always approachable. The goal is to ensure that skilled physiotherapists are readily available in rural areas to promptly address patient needs. A subsidized fee structure supports equitable access for the underprivileged, promoting demand for these crucial services. By prioritizing community-based care over centralized facilities, this approach enhances convenience and cost-effectiveness. Additionally, behavioral training complements physiotherapy, empowering patients with knowledge to improve their health outcomes.

**Participants-** UG/PG Students



*Sanjiv*  
Principal,  
KAHER, Institute Of Physiotherapy  
Belagavi.





## Proof of List of student-centric methods 2023 – 24

### Group Discussions

**Department:** All the departments of physiotherapy

**Objectives:**

1. Gathering data
2. Generating new concepts and incorporating feedback from a specific group
3. Typical people's opinions on a certain subject
4. Find a fix for a certain issue or problem.
5. choosing applicants for hiring in a corporation following their written test
6. choosing applicants for an educational institution's admission

To check your team playing skills. You have to understand the other persons' point of view, while making your point and ensure that your team as a whole reaches a solution or agreement that is both feasible and accepted by all team members.

There are four major areas of evaluation in selection GDs: subject knowledge, oral communication skills, leadership skills and team management.

Ideas can be generated, shared and tried out. • Groups provide a support and growth for any endeavor.

- Combine talents to provide innovative solutions.

### Benefits of Group Discussions

It is a good way to get everyone involved in a fruitful discussion. Group discussions encourage everyone to think creatively, going beyond the obvious solutions to a problem. They also produce more ideas and a structured presentation of a topic. They also help participants develop their analytical thinking skills. They enable a deep understanding of the subject. They offer various perspectives.

**Participants:** Undergraduate students and post graduate students



*Sayir*  
Principal,  
KAHER, Institute Of Physiotherapy  
Belagavi.



## Proof of List of student-centric methods 2023 – 24

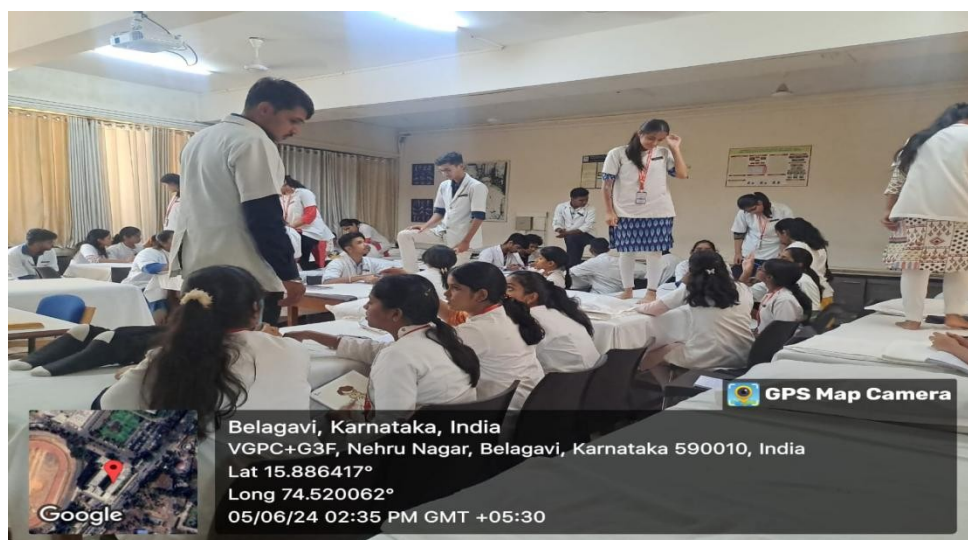
### Jigsaw Method

#### Objectives:

The jigsaw method aims to enhance learning by fostering collaboration and communication among students. It assigns each member of a small group a unique piece of information or task related to a larger topic. Through teaching their segment to peers and learning from others, students develop teamwork skills, accountability, and deeper content mastery. This method promotes critical thinking as students analyze diverse perspectives and integrate information collaboratively. It cultivates inclusivity by valuing each member's contribution and supports differentiated learning needs. Ultimately, the jigsaw method prepares students for real-world challenges by emphasizing active participation, cooperative learning, and effective communication skills.

#### Benefits:

The jigsaw method benefits students by enhancing engagement, collaboration, critical thinking, communication skills, and overall academic achievement, while preparing them for future educational and professional endeavors.



*Sayir*  
Principal,  
KAHER, Institute Of Physiotherapy  
Belagavi.



## Proof of List of student-centric methods 2023 – 24

### Case Based Learning

**Department-** All departments of physiotherapy

**Objective-** Case-Based Learning (CBL) uses real-world clinical scenarios to prepare students for clinical practice by linking theoretical knowledge to practical application. It involves discussing scenarios that closely mirror real-life situations, promoting deep engagement and collaborative problem-solving among students. In CBL sessions, the instructor acts as a facilitator, guiding students as they analyze cases, propose solutions, and explore complex issues together. This learner-centered approach fosters critical thinking and enhances students' ability to apply knowledge in clinical settings, making learning more relevant and effective across various specialties.

**Participants-** PG Students



*Sanyal*  
Principal,  
KAHER, Institute Of Physiotherapy  
Belagavi.





## Proof of List of student-centric methods 2023 – 24

### Industrial Visits

**Department-** Community Physiotherapy & Rehabilitation

**Objective-** Critical Thinking, Problem Solving, Team work, Communication Skills

Industrial visits allow students to gain practical learning experiences by interacting directly with industry practices, work methods, and employment standards. These visits are organized to expose students to various sectors such as IT, manufacturing, services, finance, and marketing. They provide insights into real-world industrial operations, helping students evaluate workplace suitability and understand how machinery, equipment, and control systems are designed to improve worker efficiency and minimize physical and mental strain. By experiencing different work environments firsthand, students can assess conducive settings for effective task execution. Overall, industrial visits play a crucial role in connecting theoretical knowledge with practical industry insights, preparing students for their future careers. Industrial physiotherapy services include:

- Return to work services
- Functional capacity evaluations
- Workplace assessments
- Job analyses
- Independent clinical assessments
- Ergonomic consultancy
- Activities of daily living assessments
- Graduated return to work programs
- Manual handling training

**Participants-** UG/PG Students



*Sanjiv*  
Principal,  
KAHER, Institute Of Physiotherapy  
Belagavi.







# INSTITUTE OF PHYSIOTHERAPY

A Constituent Unit of  
**KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH**



(Formerly known as KLE University)  
(Deemed -to-be-University established u/s 3 of the UGC Act, 1956)  
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JNMC CAMPUS, NEHRU NAGAR, BELAGAVI - 590010, KARNATAKA STATE, INDIA

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## Proof of List of student-centric methods 2023 – 24

### Blended Learning

**Department-** All Departments of Physiotherapy

**Objective-** Knowledge Dissemination

**Benefits of informative videos**

**For students**

Using videos instead of just print materials results in a more interesting sensory experience.

They offer a convenient source that is accessible from anywhere.

Videos help people remember information

They significantly support learning in all subject areas.

They improve communication and digital literacy skills. Videos boost pupil engagement

**For Teacher**

Digital videos make it possible for instructors to set up flipped classrooms or "blended" learning environments.

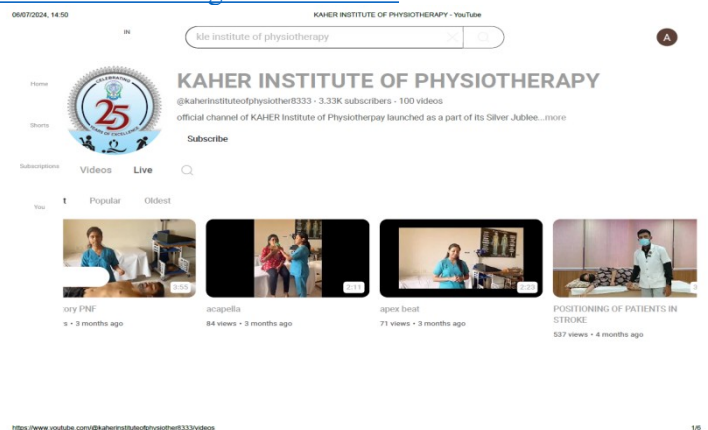
Teachers may now track student interest and attendance while watching videos.

Through video, they provide students the chance to share feedback and get help.

Videos aim to transform instructors' responsibilities from lecturers to facilitators.

**Participants-** Informative videos prepared by Staff and Students.

<https://www.youtube.com/channel/UCgz3rGKrAhhV7>



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## Proof of List of student-centric methods 2023 – 24 Student Led Seminars

**Department:** All the departments of physiotherapy

### **Objectives:**

1. To deepen students' awareness of the topic, its structure and objectives.
2. To make it easier for students to adapt to the different methods of teaching and learning.
3. To pinpoint the concepts and practical learning abilities that would help students to succeed academically.
4. To inspire students to investigate the relationship between academic study and civic responsibility, lifelong learning, and life enrichment.
5. To encourage appreciation for concepts and issues related to diversity.

### **Benefits of seminars:**

Student-led seminars boost engagement, attendance, and grades by empowering students to set personal learning goals, fostering accountability and interest. This approach encourages deep understanding and active participation, enhancing communication and critical thinking skills crucial for academic success.

**Participants:** Undergraduate students and post graduate students.



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## Proof of List of student-centric methods 2023 – 24

### Flipped Classroom Method

**Department:** All the departments of physiotherapy

#### **Benefits of flipped class:**

Less time is spent by teachers introducing new topics.

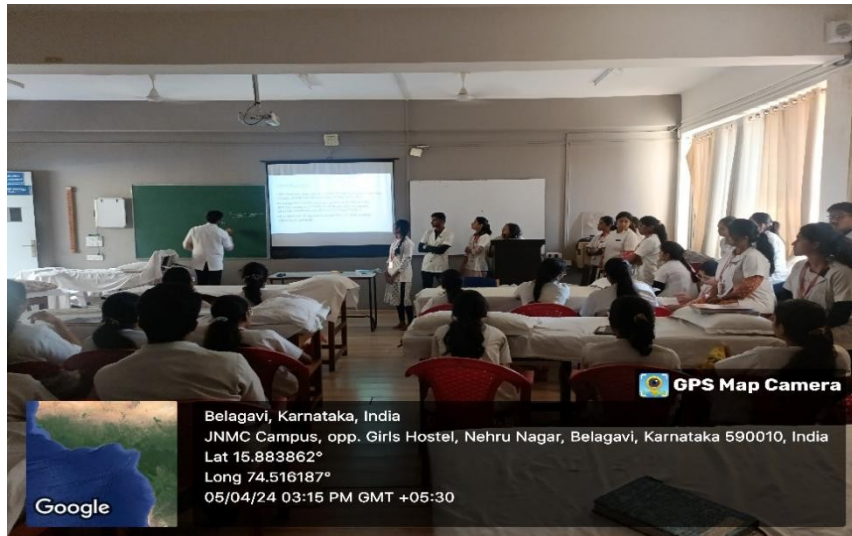
Students learn how to be independent learners

Lessons can be made more engaging by teachers

Absent students don't fall behind, teachers can use the content they produce, and students can develop a deeper understanding.

Teachers can adopt a more customized approach, which makes class time more engaging for students.

**Participants:** Undergraduate students and post graduate students



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Lat 15.883862°  
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05/04/24 03:15 PM GMT +05:30

GPS Map Camera

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## **Proof of List of student-centric methods 2023 – 24**

### **Mobile – based game learning**

Mobile learning, also known as m-learning, provides a multitude of benefits that enhance the educational experience. One of its key advantages is accessibility, allowing learners to access educational content anytime and anywhere using their mobile devices. This flexibility empowers students to tailor their study schedules to fit their individual preferences and lifestyles, promoting a more personalized learning experience. M-learning engages learners through interactive apps and multimedia resources, making the learning process more enjoyable and effective. It also proves cost-effective by reducing the need for physical materials and infrastructure, while simultaneously fostering digital literacy and self-directed learning skills. Additionally, mobile learning facilitates collaboration among peers and educators, enabling easy communication and knowledge-sharing. Its scalability ensures that educational opportunities can reach a wide audience, including remote and underserved communities, thus bridging educational gaps.





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Grand Rounds

**Department-** All departments of Physiotherapy

**Objective-**

1. Assist in developing and implementing optimal clinical practices to enhance patient care.
2. Communicate professionally and effectively within a team environment.
3. Serve as a mentor to students by modeling exemplary behavior.
4. Demonstrate enhanced clinical decision-making skills by identifying, monitoring, and refining client programs through thoughtful reflection.
5. Employ current knowledge and professional judgment while prioritizing the patient's viewpoint in patient management.
6. Respect and integrate patient differences, values, and preferences when designing and advancing treatment plans.

**Participants-** UG/PG Students



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## LIST OF YOUTUBE LINKS

1	Muscle energy technique for psoas muscle	<a href="https://youtu.be/ze72Miss-gk">https://youtu.be/ze72Miss-gk</a>	Published Aug 14, 2024
2	Cervical sustained natural apophyseal glide SNAG	<a href="https://youtu.be/ZjV-Jqvmkb4">https://youtu.be/ZjV-Jqvmkb4</a>	Published Aug 14, 2024
3	Cervical traction using belt	<a href="https://youtu.be/9WslABfT3lo">https://youtu.be/9WslABfT3lo</a>	Published Aug 14, 2024
4	Glenohumeral caudal Glide in resting position	<a href="https://youtu.be/Yyo3V9H7x1M">https://youtu.be/Yyo3V9H7x1M</a>	Published Aug 14, 2024
5	LUMBAR THRUST	<a href="https://youtu.be/PUhivZ_IcAE">https://youtu.be/PUhivZ_IcAE</a>	Published Aug 14, 2024
6	MEDIAL ROTATION GLIDE FOR KNEE	<a href="https://youtu.be/IZirOrVCvjo">https://youtu.be/IZirOrVCvjo</a>	Published Aug 14, 2024
7	Mulligans bent leg raise	<a href="https://youtu.be/klb8i5F_ddA">https://youtu.be/klb8i5F_ddA</a>	Published Aug 14, 2024
8	MWM for shoulder external rotation	<a href="https://youtu.be/7phP4srpuoU">https://youtu.be/7phP4srpuoU</a>	Published Aug 14, 2024
9	MWM Technique for tennis elbow	<a href="https://youtu.be/QOCCRRqHzfQ">https://youtu.be/QOCCRRqHzfQ</a>	Published Aug 14, 2024
10	posteromedial glides for sacroiliac	<a href="https://youtu.be/e6oYxBnCNEs">https://youtu.be/e6oYxBnCNEs</a>	Published Aug 14,

	joint		2024
11	POSITIONAL RELEASE THERAPY FOR PECTORALIS MAJOR	<a href="https://youtu.be/MtwhyP5uPlw">https://youtu.be/MtwhyP5uPlw</a>	Published Aug 14, 2024
12	Reverse sustained natural apophyseal glide (SNAG)	<a href="https://youtu.be/ITdFet44IkI">https://youtu.be/ITdFet44IkI</a>	Published Aug 14, 2024
13	SLAP PREHENSION TEST	<a href="https://youtu.be/ejTpxCvjvEc">https://youtu.be/ejTpxCvjvEc</a>	Published Aug 14, 2024
14	SUB OCCIPITAL RELEASE	<a href="https://youtu.be/pxoqdRYKiLg">https://youtu.be/pxoqdRYKiLg</a>	Published Aug 14, 2024
15	BODY COMPOSITION UNIT	<a href="https://youtu.be/Wxwdb2p1O9w">https://youtu.be/Wxwdb2p1O9w</a>	Published Aug 17, 2024
16	types of muscle contraction	<a href="https://youtu.be/MUtVE2BTU7Y">https://youtu.be/MUtVE2BTU7Y</a>	Published Aug 17, 2024
17	Measurement of axillary crutch	<a href="https://youtu.be/f-SXt_6z4os">https://youtu.be/f-SXt_6z4os</a>	Published Aug 17, 2024
18	trail sign	<a href="https://youtu.be/2fqB7zZRO9w">https://youtu.be/2fqB7zZRO9w</a>	Published Aug 17, 2024
19	Chest mobility exercises	<a href="https://youtu.be/CSsyRkFDDJA">https://youtu.be/CSsyRkFDDJA</a>	Published Aug 17, 2024
20	chest expansion measurements	<a href="https://youtu.be/7gmD9WZeSSw">https://youtu.be/7gmD9WZeSSw</a>	Published Aug 17, 2024
21	Auscultation of bowel sound	<a href="https://youtu.be/bgTBYf1UBk8">https://youtu.be/bgTBYf1UBk8</a>	Published Aug 17, 2024
22	Burgers exercises	<a href="https://youtu.be/o6hwrOoSTal">https://youtu.be/o6hwrOoSTal</a>	Published Aug 17, 2024
23	Four square test	<a href="https://youtu.be/Yqf184xBRaA">https://youtu.be/Yqf184xBRaA</a>	Published Aug 17, 2024
24	Lower limb Flexibility test	<a href="https://youtu.be/xtaYSLc7SbU">https://youtu.be/xtaYSLc7SbU</a>	Published Aug 17, 2024
25	Marmet Technique	<a href="https://youtu.be/vK5HNjQWCa0">https://youtu.be/vK5HNjQWCa0</a>	Published



26			Aug 17, 2024
27	Pelvic Floor Breathing	<a href="https://youtu.be/9jcHEJFXAQ4">https://youtu.be/9jcHEJFXAQ4</a>	Published Aug 17, 2024
28	Transverse Abdominis Muscle Activation Level 1 V	<a href="https://youtu.be/RYdfa8wfEvl">https://youtu.be/RYdfa8wfEvl</a>	Published Aug 17, 2024
29	Cervical Lymph Node palpation	<a href="https://youtu.be/Qzh9MQXBupg">https://youtu.be/Qzh9MQXBupg</a>	Published Aug 21, 2024
30	Deep front line release part 1	<a href="https://youtu.be/d862CeviTrl">https://youtu.be/d862CeviTrl</a>	Published Aug 21, 2024
31	Deep front line release part 2	<a href="https://youtu.be/ZDdP0PKIXmY">https://youtu.be/ZDdP0PKIXmY</a>	Published Aug 21, 2024
32	Egoscue ex for neck and back pain	<a href="https://youtu.be/7-R6GPmxjEQ">https://youtu.be/7-R6GPmxjEQ</a>	Published Aug 21, 2024
33	KCAT FOR CERVICOGENIC HEADACHE	<a href="https://youtu.be/QEpwSUO7yuA">https://youtu.be/QEpwSUO7yuA</a>	Published Aug 21, 2024
34	Lower quarter leg pull technique 2	<a href="https://youtu.be/YwBXKNzLh20">https://youtu.be/YwBXKNzLh20</a>	Published Aug 21, 2024
35	sahrmann exercises for correction of hyper kyphosi	<a href="https://youtu.be/aFDN8VUFAsM">https://youtu.be/aFDN8VUFAsM</a>	Published Aug 21, 2024
36	3:28 Upper quarter arm pull technique 1	<a href="https://youtu.be/2gcE9UT09eU">https://youtu.be/2gcE9UT09eU</a>	Published Aug 21, 2024
37	DEVELOPMENT OF HAND FUNCTION	<a href="https://youtu.be/At6vSq54Bsl">https://youtu.be/At6vSq54Bsl</a>	Published Aug 21, 2024
38	BOX AND BLOCK TEST	<a href="https://youtu.be/uD0fimHfCOI">https://youtu.be/uD0fimHfCOI</a>	Published Aug 21, 2024
39	UPPER LIMB COORDINATION TEST	<a href="https://youtu.be/-Y0NT09_ud8">https://youtu.be/-Y0NT09_ud8</a>	Published Aug 21, 2024

40	ankle proprioception exercise	<a href="https://youtu.be/deTuvnE5_DI">https://youtu.be/deTuvnE5_DI</a>	Published Aug 21, 2024
41	BALANCE TESTING	<a href="https://youtu.be/0YZigc6YdPg">https://youtu.be/0YZigc6YdPg</a>	Published Aug 21, 2024
42	CORE ENDURANCE TEST	<a href="https://youtu.be/pRE0gvB_WVQ">https://youtu.be/pRE0gvB_WVQ</a>	Published Aug 21, 2024
43	FLEXIBILITY TESTS	<a href="https://youtu.be/C7rviw31Qvg">https://youtu.be/C7rviw31Qvg</a>	Published Aug 21, 2024
44	AGILITY TEST	<a href="https://youtu.be/7LR370Mkj7s">https://youtu.be/7LR370Mkj7s</a>	Published Aug 21, 2024
45	elbow joint play	<a href="https://youtu.be/op_nkw1pAtA">https://youtu.be/op_nkw1pAtA</a>	Published Aug 21, 2024
46	knee joint play	<a href="https://youtu.be/fNFDEzfTjyM">https://youtu.be/fNFDEzfTjyM</a>	Published Aug 21, 2024
47	LOWER LIMB PLYOMETRIC EXERCISES	<a href="https://youtu.be/TCraD1BohRY">https://youtu.be/TCraD1BohRY</a>	Published Aug 21, 2024
48	UPPER BODY PLYOMETRICS	<a href="https://youtu.be/Ap42oFmljfo">https://youtu.be/Ap42oFmljfo</a>	Published Aug 21, 2024
49	wrist joint play	<a href="https://youtu.be/JPeUk7R0I84">https://youtu.be/JPeUk7R0I84</a>	Published Aug 21, 2024

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## EXPERIENTIAL LEARNING

### 1. Health Checkup Camp

Sl. No	Particulars	
1	Name of the Teaching Method	<b>Health Check up Camp</b>
2	Department	Medical Surgical Nursing
3	Date	6-4-2024
4	Location	Gajapati Village Belagavi
5	Activities carried out during the program	N.S.S Unit-4 with department of Child Health Nursing and, KAHER Institute of Nursing Sciences, Belagavi conducted Skin and eye checkup camp at Gajapati Village, Belagavi on 6th April 2024, to create social responsibility among NSS volunteers. Various activities were done by the volunteers in the camp. Total 35 N.S.S Volunteers worked for the camp and Villagers of Gajapati were the beneficiaries of the camp.
6	No. of students participated	95 B.Sc. Nursing
13	Photographs	



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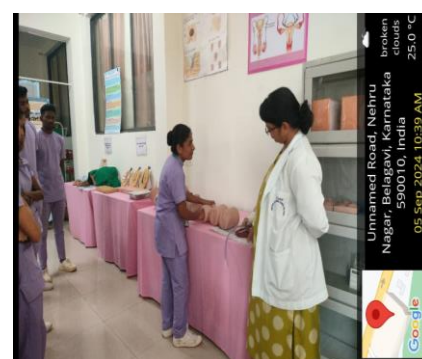
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## 2. Demonstration method

Sl. No	Particulars	
1	Name of the Teaching Method	<b>Demonstration</b>
2	Department	OBG Nursing
3	Date	September to November 2024
4	Location	Midwifery Skill Lab
5	Activities carried out during the program	Demonstration of mechanism of labour Management of PPH and PV examination was done. Students practiced and re demonstrated
6	No. of students participated	100 B.Sc. Nursing
7	Photographs	



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## 3. Field Visit

Sl. No	Particulars	
1	Name of the Teaching Method	<b>Field visit to Water Purification Plant</b>
2	Department	Community Health Nursing
3	Date	26.11.2024
4	Location	Auto Nagar Industrial Area
5	Activities carried out during the program	Students are taken for a field visit to the water purification plant. Students are oriented to the various steps of water treatment before it is share to public use.
6	No. of students participated	100 B.Sc. Nursing of 5 <sup>th</sup> semester
7	Photographs	



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## INTEGRATED LEARNING

### 1. Seminar on Safe motherhood

Sl. No	Particulars	
1	Name of the Teaching Method	<b>Seminar</b>
2	Department	OBG Nursing
3	Date	17.04.2024
4	Location	Seminar Hall KAHER INS
5	Activities carried out during the program	Seminar covered topics that emphasize the historical perspective of safe motherhood, promoting safe birth practices and the various governmental schemes provided to promote safe motherhood.
6	No. of students participated	200 B.Sc. Nursing
7	Photographs	



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## 2. Guest Lecture on the eve of "World Suicide Prevention Day"

Sl. No	Particulars	
1	Name of the Teaching Method	Guest Lecture
2	Department	Mental Health Nursing
3	Date	10.09.2024
4	Location	Seminar Hall KAHER INS
5	Activities carried out during the program	Department of mental health nursing has organized Guest lecture on the occasion of World Suicide prevention day. Dr. Vikrant Nesari was the guest speaker.
6	No. of students participated	100 B.Sc. Nursing and 10 PG students
7	Photographs	



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## PARTICIPATORY LEARNING

### 1. Role Play on Global Warming

Sl. No	Particulars	
1	Name of the Teaching Method	Role play on global warming
2	Department	Community Health Nursing
3	Date	28-2-2024
4	Location	Vantamuri Village
5	Activities carried out during the program	Department of Community Health Nursing has organized Role play on global warming at primary high school Vantamuri village Belagavi Around 100 students are got benefited from this program
6	No. of students participated	100B.Sc. Nursing students
7	Photographs	



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## 2. Workshop on Assessment of Adolescents Mental Health

Sl. No	Particulars	
1	Name of the Teaching Method	Workshop
2	Department	Mental Health Nursing
3	Date	06.08.2024
4	Location	Seminar Hall KAHER INS
5	Activities carried out during the program	Department of mental health nursing has organized a Workshop on "Assessment of Adolescents Mental Health" Various topics like developmental tasks of adolescence: Is a Period of Change, various valuation tools used in Assessment of Adolescent's Mental Health, Hazards of Adolescence and Effects of Immaturity. Followed by this, the practical session on Application of assessment of issues and concerns of adolescence period was conducted
6	No. of students participated	40 PB B.Sc. Nursing students
7	Photographs	



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## PROBLEM SOVED METHODS

### 1. Bedside Teaching

Sl. No	Particulars	
1	Name of the Teaching Method	Bed Side Teaching
2	Department	OBG Nursing
3	Date	June 6 <sup>th</sup> 2024
4	Location	Labour room
5	Activities carried out during the program	Placental examination was demonstrated at labour room for 6 <sup>th</sup> Semester students
6	No. of students participated	08 students from 6 <sup>th</sup> semester
7	Photographs	



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## SELF DIRECTED LEARNING

### E learning resources: SWAYAM

https://onlinecourses.nptel.ac.in

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7h 12m | Last Updated On : Nov 19, 2024

**Infant And young Child Feedings**  
1h 56m | Last Updated On : Nov 18, 2024

**VALUE ADDED COURSE ON PAIN MANAGEMENT**  
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https://kleunursingbgm.edu.in/index.php/online-study-materials-resources-in-open-access/

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ABOUT ADMINISTRATION ACADEMICS ADMISSIONS RESEARCH

#### ONLINE STUDY MATERIALS / RESOURCES IN OPEN ACCESS

SI No	Name of Online Resources	Website Address
1	AGRES	<a href="https://agris.fao.org/agris-search/index.do">https://agris.fao.org/agris-search/index.do</a>
2	AidData	<a href="https://www.aiddata.org/">https://www.aiddata.org/</a>
3	Analytical Sciences Digital Library (NISCAIR)	<a href="https://home.aidlib.org/">https://home.aidlib.org/</a>
4	Ashoka Trust For Research In Ecology And The Environment	<a href="https://www.atree.org/">https://www.atree.org/</a>
5	A-VIEW	<a href="http://aview.in/">http://aview.in/</a>
6	Bioline International	<a href="http://www.bioline.org.br/">http://www.bioline.org.br/</a>
7	BMC Part Of Springer Nature	<a href="https://www.biomedcentral.com/">https://www.biomedcentral.com/</a>
8	Cambridge University Press	<a href="https://www.cambridge.org/core/what-see-publish/open-access">https://www.cambridge.org/core/what-see-publish/open-access</a>

#### LIBRARY

- Hostel Library
- Library Activities
- Proquest Nursing E-Journals
- Digital Library
- List of Books
- Online Study Materials Resources in Open Access

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## PATIENT CENTRIC METHODS

### 1. Nursing Procedural Learning

Sl. No	Particulars	
1	Name of the Teaching Method	Auscultation of FHS
2	Department	OBG Nursing
3	Date	18 <sup>th</sup> Jan 2024
4	Location	ANC ward
5	Activities carried out during the program	Students were taught how to auscultate the FHS and asked them to re demonstrate the procedure. Student enjoyed the learning on a real client
6	No. of students participated	08
7	Photographs	



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## EVIDENCE BASED LEARNING

### 1. Journal Club

Particulars	
Name of the program	Journal Club Presentation
Program organized by	Department of Nursing Education (DONE), KAHER Institute of Nursing Sciences.
Date	10/2 2024 to 6/4 2024
Duration	Every Saturday 11 am to 1 pm (2 hours)
Location	KAHER Institute of Nursing Sciences
Activities carried out during the program	Department of Nursing Education (DONE), KAHER Institute of Nursing Sciences. Organized journal club presentation from 10 <sup>th</sup> February to 6 <sup>th</sup> April 2024 on every Saturday 11 am to 1pm for MSc 1 <sup>st</sup> Year batch. As per schedule every Saturday PG students presented journals under assigned faculties in Council hall. At the end of presentation students doubts were clarified and new inputs were provided by faculties
No. of Faculty participated	42
No. of students participated	23



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## 2. Case Presentation

### List of Case Presentations By PG Students

Sr. No	Date	Topic	Name of the Student	Faculty incharge
1.	11.01.24	MI	Bhairavi Naik	Dr. Preeti Bhupali
2.	12.01.24	CCF	Deepa S Kochari	Dr. Honnagouda
3.	18.01.24	Renal failure	Naik Ashwini Vithal	Mr. Mahesh
4.	29.01.24	Dialysis	Nikitha S B	Mr. Jonathan
5.	06.02.24	Cirrhosis of liver	Prabhu	Ms. Jampa
6.	13.02.24	Cholelithiasis	Pratik Daingade	Dr. Preeti Bhupali
7.	14.02.24	Pancreatitis	Priyanka Menasinakai	Dr. Honnagouda
8.	22.02.24	Hypertensive disorder	Sunil Balikai	Mr. Mahesh
9.	26.02.24	Varicose veins	Suprita V Baadkar	Mr. Jonathan
10.	10.03.24	Appendicitis	Vinodkumar Katti	Ms. Jampa
11.	15.03.24	Abortion	Jyoti Anil Patil	Dr. Sangeeta K
12.	21.03.24	PPH	Madhumati Gayagol	Dr. Asha Bhat
13.	12.04.24	PIH	Priya Jadhav	Mrs. Shubharani
14.	18.04.24	Nephrotic syndrome	Jayaraj Kajagar	Mrs. Namrata D
15.	24.04.24	Tonsilitis	Pratik Sham Shinde	Mr. Sanjeev B
16.	25.04.24	Congenital heart disease	Rani Madhukar Patil	Mrs. Namrata D
17.	2.05.24	Typhoid	Shivaraj Kajagar	Mr. Sanjeev B
18.	3.05.24	Thalassemia	Sourabh Ambolakar	Mrs. Namrata D
19.	6.05.24	Psychosis	Priskila Vilpla	Dr. Manjunath
20.	7.06.24	Mood disorders	Shaikh Zaid Ahmad	Mr. Gururaj

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## THE HUMANITIES

### 1. Observation of National Unity Day

Sl. No	Particulars	
1	Name of the program	National Unity Day
2	Program organized by (Dept.)	NSS Unit –KAHER INS
3	Department/ Association involved	KAHER INS
4	Date	30/10/2024
5	Duration	1day
6	Location	KAHER INS
7	Objective of the program	-
8	Activities carried out during the program	The NSS Units of KAHER Institute of Nursing Sciences, Belagavi, observed National Unity Day on October 30, 2024. Dr. (Prof.) Gavisiddayya, HOD of Pediatric Nursing administered the Unity Day pledge, with participation from 180 nursing students, 16 SCU students, and faculty.
9	No. of students participated	196
10	No. of Teachers participated	10
11	No. of NSS Volunteers present	180
12	No. of Beneficiaries Benefited from the programme	KAHER INS Belagavi



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## PROJECT BASED LEARNING

1. Scientific learning on major and minor projects  
Scientific presentations on major and minor Projects 2024 onwards

### Department of OBG Nursing

Sr. No	Year	Name of the Faculty	Topic	Conference	Prize won
1	2024	Ms. Geeta Desai Dr. S. N Kharde	Prevalence and spectrum of metabolic dysfunction associated steatotic Liver Disease in general population of North Karnataka	19 <sup>th</sup> & 20 October 2024 ISGKCON, Father Mullar Convention Centre Mangaluru	I Prize Poster
2	2024	Ms. Gineta Chanu Dr. S. N Kharde	Study on vaginal Microbiome among women admitted in tertiary care hospital, Belagavi	National Conference on Fostering innovation in midwifery: Moving forward in Maternal and newborn care KLE Convention Center, Belagavi	I Prize Paper

### Dissertation Topics

No	Name	Title	Guides
1	Ms. Jyothi Patil	Prevalence of selected adverse pregnancy outcomes and it's associated factors among postnatal mothers	Mrs. Shubharani
2	Ms. Madhumati Gayagol	Effectiveness of Oketani breast massage in relief of breast engorgement among postnatal mother's with c section admitted in selected tertiary care hospital Belagavi.	Dr. Asha Bhat
3	Ms. Priya Jadhav	A community based cross sectional study" to assess the utilization of antenatal care services and risk status among pregnant woman in rural areas of Belagavi	Dr. Uma Kole

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## ROLE PLAY

### Role Play on Organ Donation

Sl. No	Particulars	
1	Name of the program	Role play on organ donation
2	Program organized by (Dept.)	NSS Unit-4
3	Department/ Association involved	Shantai old age home
4	Date	19-3-2024
5	Duration	1 day
6	Location	Shantai old age home
7	Objective of the program	-
8	Activities carried out during the program	KHER INS Belagavi faculty and NSS Volunteers Visited to Old-age home with SCUA team conducted Geriatric assignment, mime on organ donation, role play on dementia & mental wellbeing in old-age, cultural programs etc. Around 35 old-age people and 60 engineering students from KLE engineering college benefited from the program
9	No. of students participated	40
10	No. of Teachers participated	05
11	No. of NSS Volunteers present	40
12	No. of Beneficiaries Benefited from the programme	35 old-age people and 60 engineering students





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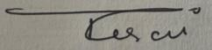
**Department of Anatomy**

Student Centric Method 2024

Sl no	Particulars	Photos
1	E-text books Virtual Textbooks	Singh, Inderbir. Human Embryology. Jaypee; New Delhi BD Chaurasia's Humany Anatomy PDF All 4 Volumes
2	Demonstration	
3	Virtual Dissection in skill lab	

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5	Guest lecture by Dr. M. B. Ramannavar On body donation	 
5	Seminar by students Topic - " Upper Limb"	 
6	Project work by students Gall Bladder with Gall Stones	



**HOD  
Department of  
Anatomy**



**DR. Swaroopa Patil  
Principal  
KLE Homoeopathic Medical College, Belagavi**




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# KAHER'S KLE HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL YELLUR ROAD, BELAGAVI

## Department of Community Medicine

Student Centric Method JAN 2024 to DEC 2024.

Sl no	Particulars	Photos
1	Seminars	 
2	Community Survey Programs- Basavan Kudchi House to house survey	
3	Community Awareness Programs- YELLUR GAD – Sswacchat bharat abhayan	 
4	Demonstration of Practical Procedures	 
5	Field visits – PASTURIZATION OF MILK Milk factory	 

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6	<b>Community awareness Programs- Basavan Kudchi school – immunization awareness</b>	
7	<b>Center of excellence- YOGA TRAINING</b>	
8	<b>Community awareness programs- Basavan Kudchi old age home HEALTH CHECK UP camps on every Saturday</b>	

*Mugaddi*

**HOD**  
**Department of Community Medicine**  
**K L E Homoeopathic Medical College**  
**Belagavi**

*Patil*

**Principal**  
**K L E Homoeopathic Medical College**  
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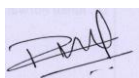
## DEPARTMENT OF FORENSIC MEDICAL AND TOXICOLOGY

### Student Centric Method 2023 - 24

Sl. No.	Particulars	Photos
1	Tutorial	
2	Video on KLEHMC You tube	<a href="https://youtu.be/wIvdrUZFvIg">https://youtu.be/wIvdrUZFvIg</a> <a href="https://youtu.be/TgkQVYa8fQ">https://youtu.be/TgkQVYa8fQ</a> <a href="https://youtu.be/vr2i0xk5ILs">https://youtu.be/vr2i0xk5ILs</a>
3	Demonstration of Practical Procedures	



4	Seminar	
5	Project work by students	
6	Virtual Textbooks	<p>1) Textbook Forensic Medicine Toxicology 5Ed</p> <p>2) Text Book of Medical Jurisprudence and Toxicology_10108108</p> <p>3) NG Rao - Textbook Forensic Medicine &amp; Toxicology 2nd Edition</p> <p>4) K. S. Narayan Reddy, O. P. Murty - The Essentials Of Forensic Medicine And Toxicology-Jaypee Brothers (2015)</p> <p>(1)</p>



**Dr Rinku Porwal**  
HOD  
Department of  
Forensic Medicine and Toxicology



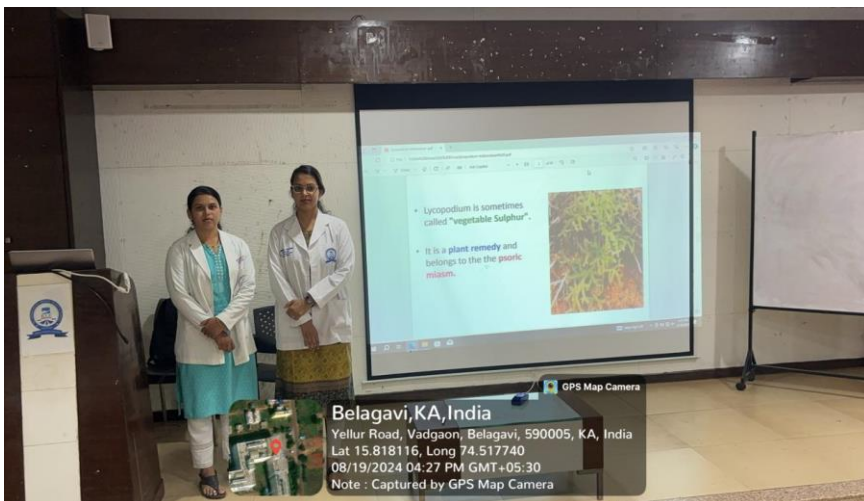


**Dr. Swaroopa. Patil**  
Principal,  
KLE Homoeopathic Medical college &




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**Department of Homoeopathic Materia Medica**


**Student Centric Method 2024**

SL NO	PARTICULARS	PHOTOS
1	Think pair and share.	 A group of students in white lab coats are seated in red chairs, engaged in a 'Think pair and share' activity. They are looking at papers and talking to each other. A GPS overlay at the bottom of the photo shows the location as Belagavi, KA, India, with coordinates 15.817986, 74.517623, and a timestamp of 08/19/2024 02:22 PM GMT+05:30.
2	Seminar on Diseases of Central nervous system	 A seminar presentation on the Diseases of Central Nervous System. A student is standing at the front of a classroom, pointing to a diagram of the human brain and spinal cord projected on a screen. The screen also displays the title 'Diseases of central nervous system' and some text. A GPS overlay at the bottom of the photo shows the location as Belagavi, KA, India, with coordinates 15.817841, 74.517306, and a timestamp of 09/03/2024 04:26 PM GMT+05:30.
3	Integrated teaching. Department of physiology and Materia medica	 Two students in white lab coats are standing in front of a presentation screen. The screen displays a slide about Lycopodium, which is sometimes called 'vegetable Sulphur'. It is a plant remedy and belongs to the psoric miasm. A photo of the plant is also shown. A GPS overlay at the bottom of the photo shows the location as Belagavi, KA, India, with coordinates 15.818116, 74.517740, and a timestamp of 08/19/2024 04:27 PM GMT+05:30.

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4	Peer teaching. Clinical postings.	
5	Project work by students	
9	Demonstration of Models.	

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9	Clinical examination of students under supervision.	
	Game Based Learning Crossword Puzzle.	

*Supriya J. Kulkarni*




**HOD**  
**Department Homoeopathic Materia Medica**  
**Belagavi**




*Patil*

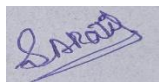
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**KLE HOMOEOPATHIC MEDICAL COLLEGE**  
**YELLUR ROAD BELAGAVI**  
**Department of Obstetrics and Gynaecology**  
**Student Centric Method 2024**

SL NO	PARTICULARS	PHOTOS
1.	Demonstration of models	
2.	Demonstration of Practical Procedures "Immidiata Care of new born baby"	
3.	Seminar presentation by students on the Topic Complicated pregnancy	

4	<b>Tutorial class on mechanism of labor</b>	
5.	<b>Simulation based learning Demonstration of Normal Labor</b>	
7.	<b>Demonstration of PV examination</b>	



HOD

Dept of OBG






Dr. Swaroopa Patil  
Principal

KLE Homoeopathic medical college  
Belagavi

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**Department of Organon of Medicine and Homoeopathic Philosophy**

Student Centric Method 2024

Sl no.	Particulars	Photos
1	Early Clinical Exposure	 
3	Quiz	


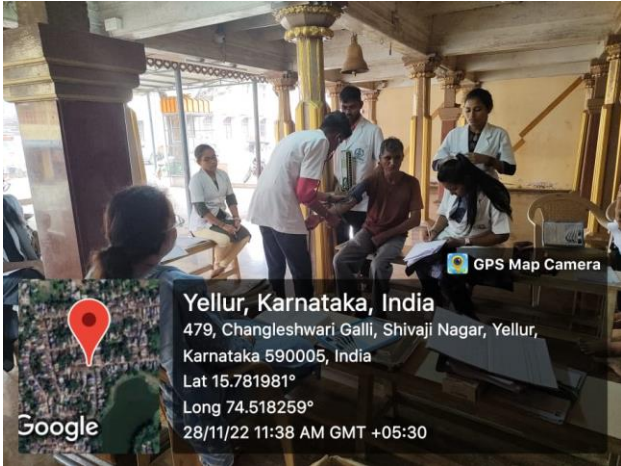


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		 <p>Belagavi, Karnataka, India RG99+74C, Yellur Rd, Belagavi, Karnataka 590005, India Lat 15.818112° Long 74.517635° 08/05/23 03:34 PM GMT +05:30</p>
4	Seminar by students	 <p>Belagavi, Karnataka, India RG99+74C, Yellur Rd, Belagavi, Karnataka 590005, India Lat 15.818145° Long 74.517657° 03/04/23 03:48 PM GMT +05:30</p>
5	Examination DOAP	 <p>Belagavi, Karnataka, India 3rd Cross, Yellur Rd, Belagavi, Karnataka 590005, India Lat 15.817595° Long 74.517701° 29/09/23 03:32 PM GMT +05:30</p>  <p>Belagavi, Karnataka, India 3rd Cross, Yellur Rd, Belagavi, Karnataka 590005, India Lat 15.817621° Long 74.517653° 11/08/23 11:41 AM GMT +05:30</p>



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5	Clinical exposure through Medical Camps	

*Patil*




**HOD  
Department of  
Organon of Medicine**


*Patil*

**DR. Swaroopa Patil  
I/C Principal  
KLE Homoeopathic Medical College, Belagavi**

# Department of Pathology & Microbiology

## Student Centric Method 2024

Sl no	Particulars	Photos
1	Demonstration of Practical Procedures	
2	Clinical Skill Lab	
3	Practical Demonstration of gross pathological specimens	



HOD  
Department of Pathology & Microbiology



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# KLE HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL

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A Constituent Unit of

## KLE ACADEMY OF HIGHER EDUCATION & RESEARCH

(Formerly known as KLE University)

(Deemed-to-be-University established u/s 3 of the UGC Act, 1956)

Accredited A+ Grade by NAAC (3<sup>RD</sup> Cycle) Placed in Category 'A' by MoE (GoI)

Yellur Road, Belagavi-590005, Karnataka, India.


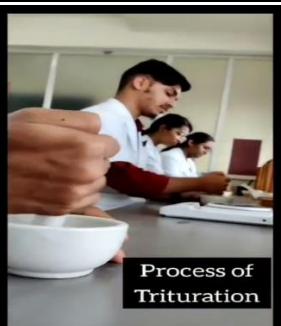




Ph: 0831-2413863, (Extn: 1262/1263)E-mail- [kleuhmc@gmail.com](mailto:kleuhmc@gmail.com) E-mail: [prinhomeo@kledeemeduniversity.edu.in](mailto:prinhomeo@kledeemeduniversity.edu.in)

Web: <http://www.klehomoeo.edu.in>



Department of Homoeopathic Pharmacy

Student Centric Method 2024

Sl no	Particulars	Photos
1	Skill Based teaching	 
2	Role play	
3	Project work by students	  

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4	Lecture based teaching-learning	
5	Individual learning/self-study	
6	Technology based learning	





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Web: <http://www.klehomoeo.edu.in>

7	Group Discussion	
8	Peer teaching	

*Patil*

Principal

KLE HOMOEOPATHIC MEDICAL COLLEGE,BELGAVI

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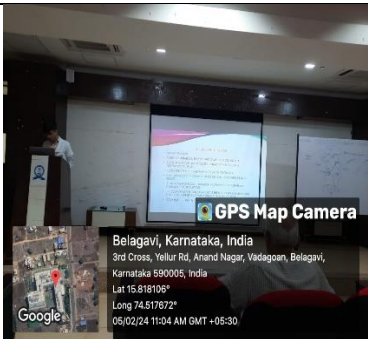




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**KAHER'S  
KLE HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL  
YELLUR ROAD, BELAGAVI**

**Department of Physiology Including Biochemistry**

**Student Centric Method 2024**



SL. NO.	PARTICULARS	PHOTOS
1	E-text books Virtual Textbooks	John N A (2023) Chatterjee C C. Text Book of Physiology 14 <sup>th</sup> Edition. CBS Publication. & Physiology k.sbm PDF (Sembulingum - Essentials Of Medical Physiology- Portable Document Format)
2	Seminars	 
4	Small Group Discussion	
5	Demonstration of Practical Procedures	 

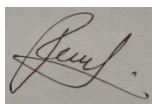
# KAHER'S KLE HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL YELLUR ROAD, BELAGAVI

6	Bed side teaching learning		
7	Project work		
8.	Didactic Lectures		
9.	Simulation learning at simulation lab		



**KAHER'S  
KLE HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL  
YELLUR ROAD, BELAGAVI**

10.	Role play		
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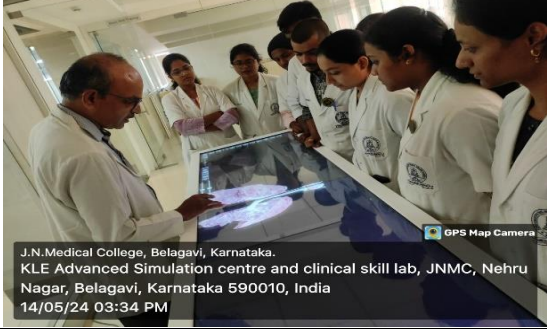
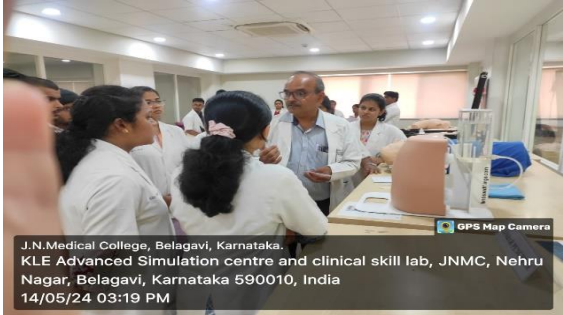
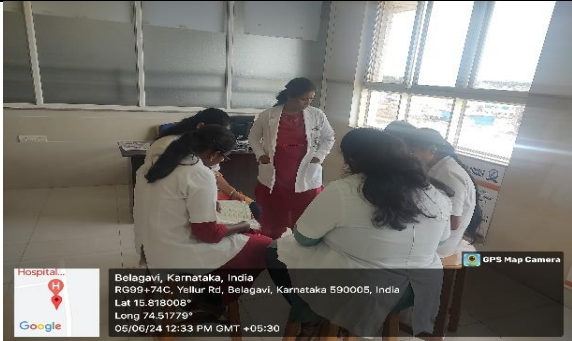


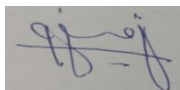
**HOD  
Department of  
Physiology including Biochemistry**



**DR. Swaroopa Patil  
Principal  
KLEHomoeopathic Medical College  
& Hospital Belagavi**

**Department of Practice of Medicine**  
Student centric Methods-Jan-June 2024

Sl no	Particulars	Photos
1	Video Demonstration	
2	Virtual Discussion	
3	Demonstration	
4	Small Group Discussion	




HOD  
Department of Practice of Medicine



Principal  
KLE Homoeopathic Medical College  
& Hospital, Belagavi

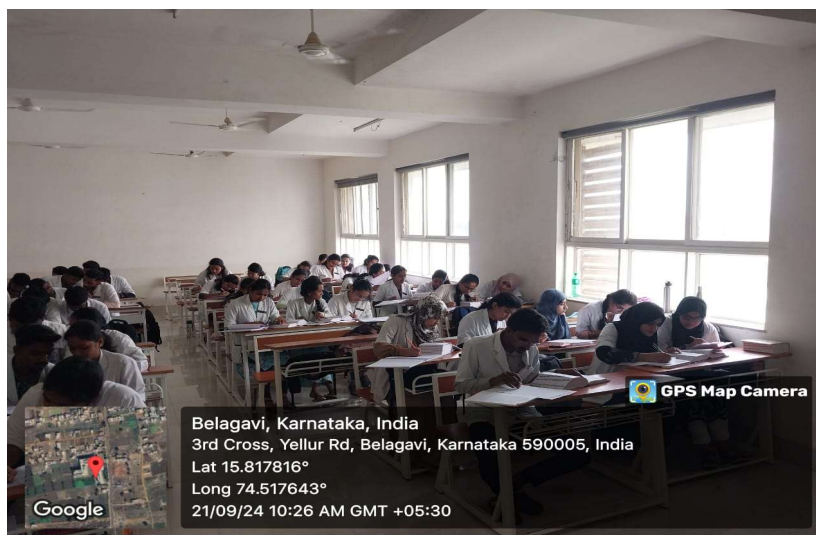
### Department Homoeopathic Repertory and Case Taking

#### Student Centric Method July to December 2024

Sl no	Particular s	Photos
1	Repertory Computer Lab	
2	e-content	<a href="https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2003/repertory-P/different%20terms%20used%20in%20repertory_11611_repertory-P_29-07-2024.pptx">https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2003/repertory-P/different%20terms%20used%20in%20repertory_11611_repertory-P_29-07-2024.pptx</a> <a href="https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2003/repertory-T/case%20taking_11611_repertory-T_30-07-2024.pptx">https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2003/repertory-T/case%20taking_11611_repertory-T_30-07-2024.pptx</a> <a href="https://homoeopathy.contineo.in/batch2022_secondyear//images/lessonplan/Year%2002/Hom%20UG-R-II-L/CBDC%20NEW%20LESSON%20PLAN%20format%20II%20BHMS%20-%20REPRTORY_11551_Hom%20UG-R-II-L_08-10-2024.docx">https://homoeopathy.contineo.in/batch2022_secondyear//images/lessonplan/Year%2002/Hom%20UG-R-II-L/CBDC%20NEW%20LESSON%20PLAN%20format%20II%20BHMS%20-%20REPRTORY_11551_Hom%20UG-R-II-L_08-10-2024.docx</a> <a href="https://homoeopathy.contineo.in/batch2022_secondyear//images/lessonplan/Year%2002/Hom%20UG-R-II-L/case%20taking_11551_Hom%20UG-R-II-L_08-10-2024.pptx">https://homoeopathy.contineo.in/batch2022_secondyear//images/lessonplan/Year%2002/Hom%20UG-R-II-L/case%20taking_11551_Hom%20UG-R-II-L_08-10-2024.pptx</a> <a href="https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-T/case%20processing_11551_repertory%20II-T_08-10-2024.pptx">https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-T/case%20processing_11551_repertory%20II-T_08-10-2024.pptx</a> <a href="https://homoeopathy.contineo.in/oddbatch2024//images/lessonplan/Year%2004/repertory%20II-T/INTRODUCTION%20AND%20CLASSIFICATION%20OF%20REPRTORIES_11611_repertory%20II-T_16-10-2024.pptx">https://homoeopathy.contineo.in/oddbatch2024//images/lessonplan/Year%2004/repertory%20II-T/INTRODUCTION%20AND%20CLASSIFICATION%20OF%20REPRTORIES_11611_repertory%20II-T_16-10-2024.pptx</a> <a href="https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-T/case%20processing_11551_repertory%20II-T_08-10-2024.pptx">https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-T/case%20processing_11551_repertory%20II-T_08-10-2024.pptx</a> <a href="https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-P/cross%20repertorization_11551_repertory%20II-P_22-11-2024.pptx">https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-P/cross%20repertorization_11551_repertory%20II-P_22-11-2024.pptx</a> <a href="https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-P/Synthesis%20repertory_11551_repertory%20II-P_22-11-2024.pptx">https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2004/repertory%20II-P/Synthesis%20repertory_11551_repertory%20II-P_22-11-2024.pptx</a> <a href="https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2003/repertory-T/SEMINAR%20ON%20Phatak%20repertory%2017-09-2019_11552_repertory-T_22-11-2024.pptx">https://homoeopathy.contineo.in/sims2023//images/lessonplan/Year%2003/repertory-T/SEMINAR%20ON%20Phatak%20repertory%2017-09-2019_11552_repertory-T_22-11-2024.pptx</a>

<https://a.impartus.com/ilc/#!/video/id/6477585>




4 Classroom exercise creating rubric bank



5 Classroom exercise creating rubric bank





<p>6</p>	<p><b>OSPE For 4<sup>th</sup> BHMS students</b></p>	 <p>Belagavi, Karnataka, India RG99+74C, Yellur Rd, Belagavi, Karnataka 590005, India Lat 15.818054° Long 74.517437° 29/07/24 09:57 AM GMT +05:30</p>  <p>Belagavi, Karnataka, India RG99+74C, Yellur Rd, Belagavi, Karnataka 590005, India Lat 15.818064° Long 74.517439° 27/07/24 09:56 AM GMT +05:30</p>
<p>7</p>	<p><b>Seminar on constructi ng totality in mental diseases</b></p>	 <p>Belagavi, Karnataka, India 468, Angol, Belagavi, Karnataka 590006, India Lat 15.817209° Long 74.50202° 20/08/24 03:30 PM GMT +05:30</p>

8	<b>Seminar on Case taking instructions as per Dr William Boericke</b>	 <p>Belagavi, Karnataka, India 468, Angol, Belagavi, Karnataka 590006, India Lat 15.817209° Long 74.50202° 20/08/24 03:30 PM GMT +05:30</p>
9	<b>Virtual Textbooks</b>	
10	<b>Didactic Lectures</b>	

*J. M. Kulkarni*

Signature of HOD

Dept of Repertory




*Patil*



Signature of Principal

KLEHMC Belagavi

















### Department of Surgery

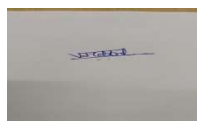
### Student Centric Method 2024

Sl no	Particulars	Photos
1	Demonstration of Bandaging Skills by Student	 <p>GPS Map Camera Check In KLE Advanced Simulation Centre and Clinical Skill Lab, JNMC, Nehru Nagar, Belagavi, Karnataka 590010, India Lat 15.901072° Long 74.520805° 27/11/24 03:32 PM GMT +05:30</p>
2	Demonstration of I.V Canula Insertion by student	
4	Small Group Demonstration	 <p>GPS Map Camera Check In KLE Advanced Simulation Centre and Clinical Skill Lab, JNMC, Nehru Nagar, Belagavi, Karnataka 590010, India Lat 15.901072° Long 74.520805° 27/11/24 03:25 PM GMT +05:30</p>

5	Video Demonstration of Suturing Skills to Students	
6	Seminar Presentation by Shanazbanu on Cardiac Arrest	 <p>Belagavi, Karnataka, India 3rd Cross, Yellur Rd, Belagavi, Karnataka 590005, India Lat 15.817885° Long 74.51769° 22/06/24 09:57 AM GMT +05:30</p> <p>Google</p> <p>GPS Map Camera</p>



7	E-Book Content	<ul style="list-style-type: none"> <li> Ganong- Physiology</li> <li> Guyton &amp; Hall- Physiology</li> <li> Harrison's- Principles of Inte...</li> <li> J. Maheshwari &amp; Vikram A ...</li> <li> Kaplan and Sadock's- Comp...</li> <li> Kaplan's &amp; Sadock's- Synop...</li> <li> KD Tripathi - Essentials of M...</li> <li> Nelson's - Textbook of Paed...</li> <li> NG Rao - Textbook Forensic...</li> <li> Niraj Ahuja- Short Textbook...</li> <li> Obstetrics D C Dutta</li> <li> Oral Diseases- Atlas</li> <li> OXFORD HANDBOOK OF C...</li> <li> Oxford handbook of clinical...</li> <li> Oxford Handbook of Ophth...</li> <li> Oxford handbook of Orthop...</li> <li> P.L Dhingra- Diseases of Ear...</li> <li> Park's - Textbook of Social ...</li> <li> Pathology- Harsh Mohan</li> <li> Pediatric_emergency</li> <li> Robbins- Basic Pathology 1...</li> </ul>
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Signature of HOD



Signature of Principal



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**KAHER's JAGADGURU GANGADHAR MAHASWAMIGALU**

**MOORUSAVIRMATH MEDICAL COLLEGE**

**Kundagol Cross, Kotagondhunshi,  
(At Post Adargunchi) Hubballi-580028.**

(A Constituent unit of KLE Academy of Higher Education & Research (Deemed-to-be-University), Belagavi)

**Website:** [principaljgmm2021@gmail.com](mailto:principaljgmm2021@gmail.com)

**Email:**

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## **EXPERIENTIAL LEARNING**

<b>Sl. No</b>	<b>Particulars</b>	<b>STUDENT CENTRIC METHODS DETAILS</b>
1	Name of the student centric method	Student Seminar- General Pharmacology
2	Program organized by (Dept.)	Department of Pharmacology
3	Department/ Association involved	Department of Pharmacology
4	Date	20/01/2024
5	Duration	2 Hours
6	Location	Clinical Pharmacology lab, CAL lab, Demo rooms, A block, JGMMMC, Hubballi
7	Objective of the program	To develop critical thinking To enhance knowledge To build confidence To know the subject in depth
8	Activities carried out during the program	Pick and speak
9	No. of students participated	92
10	No. of Teachers participated	08
11	No. of Beneficiaries	147



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	Benefited from the programme	
12	Photographs	
13	Press clippings	
14	Any other information	
15	Brief report	<p>Seminars are one of the methods of participatory learning for students. It improves their hunger for learning new things through the text books. The topics we had selected for the Seminars (General Pharmacology) are important topics in the exams: So that these seminars help students to keep them confident and enhances their knowledge.</p> <p>Seminar was conducted on 20th January 2024 for the entire batch students of MBBS Phase 2 at 11am-1pm in Clinical Pharmacology lab, CAL lab, Demo rooms, A block, JGMMMC, Hubballi. It was moderated by all staff, Department of Pharmacology, JGMMMC, Hubballi</p> <ul style="list-style-type: none"> <li>• 8 teams were made. Each team (team of 12 students) from batch are given stipulated time to prepare and present their topics. knowledge about the topic they had got. Assessment was done based on the content, clarity about the topic, discussion, behaviour of the participants throughout the session.</li> <li>• 1. Sources of drugs</li> <li>• 2. Drug Nomenclature and Compendia</li> <li>• 3. Routes of drug administration – Factors governing choice &amp; Local routes</li> <li>• 4. Oral, Sublingual, Rectal route of drug administration – Advantages, disadvantages, examples</li> <li>• 5. Cutaneous, Nasal and Inhalational route of drug administration – Advantages, disadvantages, examples</li> <li>• 6. Parenteral route of drug administration &amp; targeted drug delivery systems – Advantages, disadvantages, examples</li> <li>• 7. Specialized transport mechanisms</li> <li>• 8. Factors affecting drug absorption</li> <li>• 9. Bioavailability and bioequivalence</li> <li>• 10. Apparent volume of distribution and redistribution</li> <li>• 11. Blood brain barrier</li> <li>• 12. Plasma protein binding</li> <li>• 13. Biotransformation reaction (Synthetic)</li> </ul>





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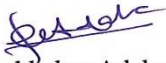
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**Email:**

[infojgmmmc@kledeemeduniversity.edu.in](mailto:infojgmmmc@kledeemeduniversity.edu.in)

	<ul style="list-style-type: none"><li>• 14. Biotransformation reaction (non-synthetic)</li><li>• 15. Microsomal enzymes and their significance</li><li>• 16. First pass metabolism and its significance</li><li>• 17. Routes of drug excretion (renal)</li><li>• 18. Routes of drug excretion (non-renal)</li><li>• 19. Clearance and kinetics of elimination</li><li>• 20. Plasma half-life, Loading dose, Maintenance dose</li><li>• 21. Principles of drug action</li><li>• 22. Targets of drug action – Enzymes, ion channels, transporters</li><li>• 23. Classification of receptors, Action effect sequence</li><li>• 24. GPCR</li><li>• 25. Other Receptors (Non GPCR)</li><li>• 26. Dose response curve, efficacy, potency</li><li>• 27. Therapeutic index</li><li>• 28. Drug synergism</li><li>• 29. Drug antagonism</li><li>• 30. Factors modifying drug action</li><li>• 31. Receptor upregulation, downregulation – with examples</li><li>• 32. Placebo and Nocebo</li><li>• 33. Tolerance, cross tolerance &amp; tachyphylaxis</li></ul>
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Dr Prabhakar Adake  
Prof & HOD  
Department of Pharmacology  
**Professor & Head**  
**Department of Pharmacology**  
**KAHER's JGMM Medical College**  
**Gabbur Cross, Kotgondhunshi,**  
**HUBBALLI-28.**



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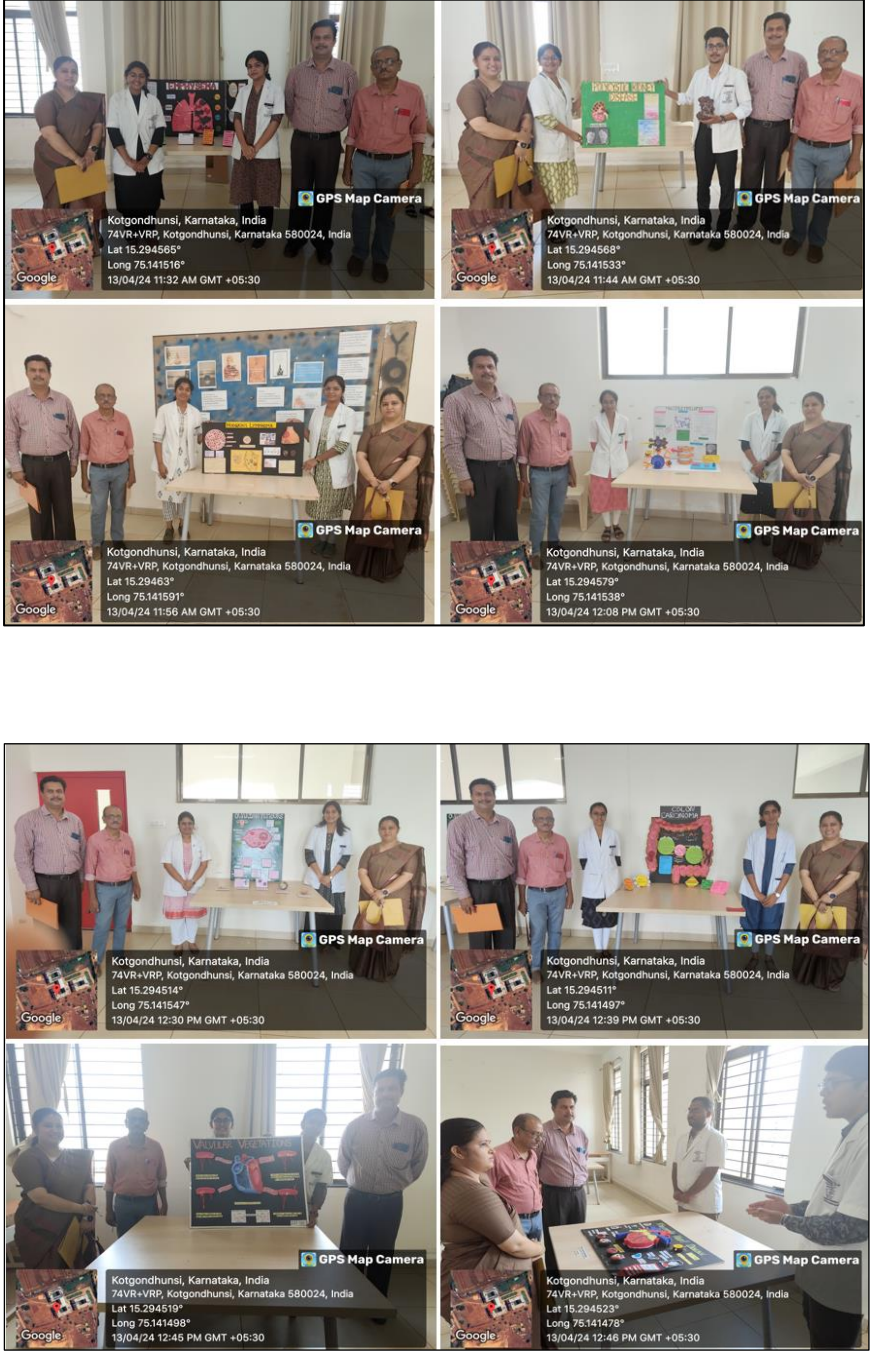
**Email:**

[infojgmmmc@kledeemeduniversity.edu.in](mailto:infojgmmmc@kledeemeduniversity.edu.in)

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## **PARTICIPATORY LEARNING**

<b>Sl. No</b>	<b>Particulars</b>	<b>STUDENT CENTRIC METHODS DETAILS</b>
1	Name of the student centric method	Participatory learning- Model making competition
2	Program organized by (Dept.)	Department of Pathology
3	Department/ Association involved	-
4	Date	13 April 2024
5	Duration	2 Hours
6	Location	Girls Common Room, A block, JGMMMC, Hubballi
7	Objective of the program	To develop critical thinking To enhance knowledge To build confidence To increase group dynamics
8	Activities carried out during the program	Models related to Pathology were displayed and 2 representatives from each team carried out the presentation
9	No. of students participated	147 students (15-19students in each group)
10	No. of Teachers participated as Judges	3
11	No. of Beneficiaries Benefited from the programme	147

12	Photographs	 <p>The photographs show students and faculty members presenting their projects. Each photo includes a GPS Map Camera overlay with the following details:</p> <ul style="list-style-type: none"> <li>Location: Kotgondhunsi, Karnataka, India</li> <li>Coordinates: 74VR+VRP, Kotgondhunsi, Karnataka 580024, India</li> <li>Latitude: Lat 15.294565°</li> <li>Longitude: Long 75.141516°</li> <li>Date/Time: 13/04/24 11:32 AM GMT +05:30</li> </ul>
13	Press clippings	-
14	Any other information	-



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15	Brief report	<p>On the eve of National Pathology Day, the Department of Pathology organized Model making competition (Archi-Path) for 2<sup>nd</sup> year MBSS students. Students were divided into 9 groups, each group consisting of 15 to 19 students each. The students were allotted the following topics 2 weeks prior to the competition- Valvular vegetation, Types of emphysema, Colon Carcinoma, Hodgkin Lymphoma, Ovarian tumours, Multiple myeloma, Cystic Kidney Diseases. Students prepared handmade models using clay, cardboard etc and kept for display in the girls common room. The representatives from each group were given 5 minutes for the presentation. The competition was proffered by Dr. Amruth Dambal, Dr. Virupakshi and Dr. Poornima V Kamatar. The judges asked questions to see the depth of the knowledge about the topic they had got. Assessment was done based on the content, clarity about the topic, neatness of the model, adherence to the topic and time management.</p>
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Professor & Head  
Department of Pathology  
KAHER's JGMM Medical College  
Gabbur Cross, Kotgondhunshi,  
HUBBALLI-28.

**Seal and Signature of HOD**





**KAHER's JAGADGURU GANGADHAR MAHASWAMIGALU**

**MOORUSAVIRMATH MEDICAL COLLEGE**

**Kundagol Cross, Kotagondhunshi,  
(At Post Adargunchi) Hubballi-580028.**

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**PROBLEM SOLVING METHODOLOGIES**

Sl. No	Particulars	STUDENT CENTRIC METHODS DETAILS
1	Name of the student centric method	Case based learning- ANS
2	Program organized by (Dept.)	Department of Pharmacology
3	Department/ Association involved	Department of Pharmacology
4	Date	17/02/2024
5	Duration	2 Hours
6	Location	Clinical Pharmacology lab, CAL lab, Demo rooms, A block, JGMMMC, Hubballi
7	Objective of the program	To develop critical thinking To enhance knowledge To build confidence To know the subject in depth
8	Activities carried out during the program	Case based discussion
9	No. of students participated	127
10	No. of Teachers participated	08
11	No. of Beneficiaries Benefited from the programme	147
12	Photographs	

		 <p>Kotgondhunsi, Karnataka, India 74VR+VRP, Kotgondhunsi, Karnataka 580024, India Lat 15.294718° Long 75.142017° 17/02/24 11:25 AM GMT +05:30</p>
		 <p>Kotgondhunsi, Karnataka, India 74VR+VRP, Kotgondhunsi, Karnataka 580024, India Lat 15.294858° Long 75.142076° 17/02/24 11:16 AM GMT +05:30</p>
13	Press clippings	
14	Any other information	
15	Brief report	Case based learning is one of the methods of participatory learning for students. It improves their hunger for learning new things through the text books. The topics we had selected for the Case based learning (ANS) are



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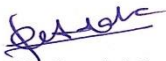
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	<p>important topics in the exams. So that these seminars help students to keep them confident and enhances their knowledge.</p> <p>Case based learning was conducted on 17th February 2024 for the entire batch students of MBBS Phase 2 at 11am-1pm in Clinical Pharmacology lab, CAL lab, Demo rooms, A block, JGMMMC, Hubballi. It was moderated by all staff, Department of Pharmacology, JGMMMC, Hubballi</p> <ul style="list-style-type: none"><li>8 teams were made. Each team (team of 16 students) from batch are given stipulated time to prepare and present their case (total 5 cases: OP poisoning, Atropine poisoning, Myasthenia gravis, Anaphylactic reaction, BPH). Knowledge about the topic they had got. Assessment was done based on the content, clarity about the case, discussion and behaviour of the participants throughout the session.</li></ul>
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Dr Prabhakar Adake  
Prof & HOD  
Department of Pharmacology  
**Professor & Head**  
**Department of Pharmacology**  
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### **PROBLEM SOLVING METHODOLOGIES**

<b>Sl. No</b>	<b>Particulars</b>	<b>STUDENT CENTRIC METHODS DETAILS</b>
1	Name of the student centric method	PROBLEM BASED LEARNING
2	Program organized by (Dept.)	DEPARTMENT OF MICROBIOLOGY
3	Department/ Association involved	MICROBIOLOGY
4	Date	24/04/2024
5	Duration	3 pm- 5 pm
6	Location	KLE JGMMMC HUBLI KAHER'S UNIVERSITY
7	Objective of the program	1.To self-formulate their goals and objectives of learning of particular topics 2.Encourages students to increase their motivation to learning, critical thinking, writing and also to enhance communication skills 3.Through the medium of case scenario where students analyze the information and come to a conclusion 4.Team work: The students are required to work together and cooperate with each other during discussion.
8	Activities carried out during the program	Case based presentations(problem based learning),model discussions,Group discussions on HIV/AIDS
9	No. of students participated	150 students
10	No. of Teachers participated	6
11	No. of Beneficiaries Benefited from the programme	150 students



12	Photographs	 
13	Press clippings	Nil
14	Any other information	Nil
15	Brief report	<p>Problem based learning(PBL) was conducted on 24/4/2024 at Microbiology Department from 3-5pm on HIV/AIDS. Students were divided into small groups of 30 each and each assigned clinical case scenario on HIV topic. Students performed case presentation along with HIV virus model discussions, group discussions. The sessions were moderated by Dr Sharada Metgud, Dr Deepa, Dr Pragati, Dr Vijetha, Dr Kavitha, Dr Jyothi</p>

*Sharada C Metgud*  
**Dr Sharada C Metgud**  
 Professor & Head  
**Department of Microbiology**  
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## SELF DIRECTED LEARNING

Sl. No	Particulars	STUDENT CENTRIC METHODS DETAILS
1	Name of the student centric method	SELF DIRECTED LEARNING(SDL)- SEMINAR
2	Program organized by (Dept.)	DEPARTMENT OF MICROBIOLOGY
3	Department/ Association involved	MICROBIOLOGY
4	Date	17/01/2024
5	Duration	2 pm- 3 pm (1hr)
6	Location	KLE JGMMMC HUBLI KAHER'S UNIVERSITY
7	Objective of the program	1.Assess readiness to learn 2.Set learning goals 3.Engage in learning process 4.Evaluate in learning
8	Activities carried out during the program	SEMINAR PRESENTATION
9	No. of students participated	150 students
10	No. of Teachers participated	1 incharge + 5
11	No. of Beneficiaries Benefited from the programme	150 students
12	Photographs	 <p>GPS Map Camera Kotgondhunsi, Karnataka, India 74VR+VRP, Kotgondhunsi, Karnataka 580024, India Lat 15.294686° Long 75.141528° 17/01/24 02:07 PM GMT +05:30</p>



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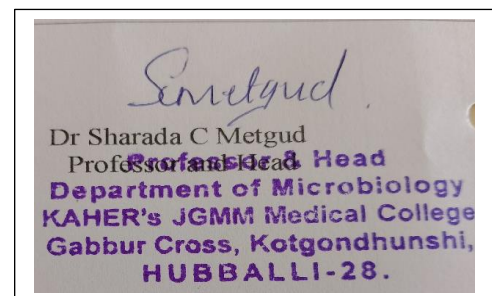
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13	Press clippings	Nil
14	Any other information	Nil
15	Brief report	Self Directed leaning (SDL) was conducted on 17/01/2024 for MBBS Phase 2 students. Topic for seminar presentation was Bacterial genetics. Four students participated in seminar presentation with assigned subtopics of Bacterial genetics. Assesment was done at the end of SDL. Moderator of seminar was Dr Pragathi. Other staff participated are: Dr Sharada Metgud, Dr Deepa, Dr Vijetha, Dr Kavitha, Dr Jyothi.





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## TEACHING METHODOLOGY USED: SKILL BASED LEARNING

DATE: 26/08/2024

TOPIC: Individual Motor point stimulation

NAME OF THE STAFF: Dr. Komal K B

On August 26th, 2024, Dr. Komal K B led an interactive skill-based learning session on "Individual Motor Point Stimulation" at KLE College of Physiotherapy, Hubballi. Following comprehensive theory classes on Galvanic current, each student was assigned a specific muscle for motor point stimulation, providing them hands-on experience with the technique.

Under Dr. Komal's supervision, students demonstrated their assigned stimulations on subjects, receiving personalized guidance, corrections, and feedback throughout their presentations. This skill-based approach allowed students to apply theoretical knowledge practically, reinforcing their understanding and mastery of motor point stimulation.



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## TEACHING METHODOLOGY USED: EXPERIENTIAL LEARNING

DATE: 10/02/2024

TOPIC: BONE HEALTH

NAME OF THE STAFF: Dr. CASSINDRA CARDOZ

An engaging class discussion on the effects of injury, exercise, and disease on bone health was led by Dr. Cassindra Cardoz. The discussion aimed to deepen the students' understanding of the intricate relationship between these factors and how they contribute to overall bone health.

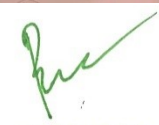
The key Discussion Points were:

1. Impact of Injury on Bone Health
2. Influence of Exercise on Bone Health
3. Effects of Disease on Bone Health

An integral part of the discussion was the recognition of the interconnected nature of injury, exercise, and disease in influencing bone health. Students explored scenarios where these factors may overlap and interact, leading to unique challenges and considerations in maintaining optimal bone health.

By fostering group discussions, students gained a deeper understanding of the complex interplay between these factors and their implications for overall musculoskeletal well-being. The insights gained from this session will undoubtedly contribute to a more nuanced perspective among students in approaching bone health in clinical and preventive contexts.



  
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### TEACHING METHODOLOGY USED: Problem-Based Learning (PBL)

**Date:** 12/04/2024

**Topic:** Motor Points

**Name of the Staff:** Dr. Pooja MotarSublok

**Methodology used:** Problem-Based Learning (PBL)

On April 12, 2024, Dr. Pooja MotarSublok conducted an engaging and informative session on "Motor Points" using the Problem-Based Learning (PBL) methodology at KLE College of Physiotherapy, Hubballi. The primary aim of this session was to enhance students' understanding of motor points through active learning and problem-solving techniques. Dr. Pooja MotarSublok implemented the Problem-Based Learning (PBL) approach, which encourages students to collaborate and solve real-world problems. This method is designed to develop critical thinking, enhance retention of knowledge, and improve practical application skills. Pooja began the session with a brief introduction to motor points, explaining their significance in physiotherapy. The students were divided into small groups and presented with case scenarios related to motor points. Each group was tasked with identifying motor points relevant to their assigned case, discussing the physiological basis, and determining appropriate treatment technique. Students utilized anatomical charts, reference texts, and peer discussions to solve the problems presented. Pooja facilitated the session by guiding discussions, providing insights, and answering queries. She ensured that each group stayed on track and understood the concepts being discussed. She also encouraged students to think critically and justify their problem-solving approaches. At the end of the session, each group presented their findings and solutions to the entire class. Dr. Pooja provided constructive feedback, highlighted key learning points, and addressed any misconceptions.



### **TEACHING METHODOLOGY USED: Self Directed Learning**

**DATE:** 08/11/2024


**TOPIC:** Muscle Properties

**NAME OF THE STAFF:** Dr. Navami Mahaveer

On completion of theory classes on Muscle Properties, the students were given seminars on small topics as apart of revision. The students discussed various points which required more clarification. Dr. Navami Mahaveer actively engaged in insightful discussions with students, fostering a collaborative atmosphere.

Dr. Navami Mahaveer provided constructive feedback, enhancing the overall learning experience. This interactive format not only enriched the teacher-student discourse but also promoted peer-to-peer learning. The event successfully deepened students' significance of muscle properties in physiotherapy practice.



  
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## TEACHING METHODOLOGY USED: LEARNING THROUGH PROBLEM SOLVING

DATE: 20/08/2024

TOPIC: PT Management in Burns

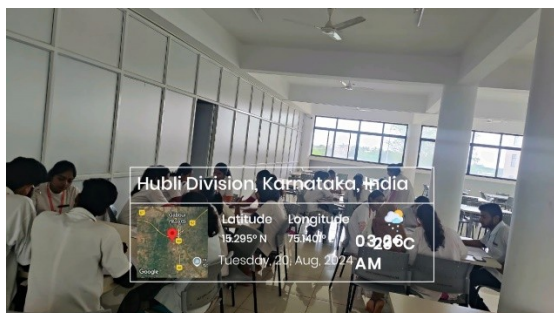
NAME OF THE STAFF: Dr. Veena Bembalgi

After completing their theory classes on burns and engaging in clinical postings in burns wards, students were organized into four groups, each assigned a distinct case scenario related to burn injuries. Their task was to conduct a detailed evaluation and develop treatment strategies for their assigned cases.

The students collaboratively discussed their scenarios, referring to various textbooks and resources to formulate comprehensive assessment and treatment plans. This process encouraged them to critically analyze the clinical information and apply their theoretical knowledge to real-world situations.

Dr. Veena Bembalgi played a pivotal role in this educational experience. She facilitated insightful discussions for all four groups, creating a collaborative atmosphere that encouraged students to express their thoughts and engage with one another. Her constructive feedback helped refine their understanding and approach, enhancing the overall learning experience.

This interactive format not only enriched the dialogue between the teacher and students but also fostered peer-to-peer learning, as students shared insights and strategies with one another. Ultimately, the event significantly deepened the students' understanding of burn management, preparing them for future clinical challenges.



## TEACHING METHODOLOGY USED: EVIDENCE BASED LEARNING


DATE: 10/10/2024

TOPIC: Magnetism and Properties of Magnet

NAME OF THE STAFF: Dr. SUMA PATIL

BPT 2nd-year students recently held an engaging seminar on "Magnetism and Properties of Magnet," using technology to bring a fresh and interactive approach to learning. Digital slides helped make complex topics like magnetic fields and properties easier to understand, turning theoretical concepts into something more tangible and relatable. This technology-based format also created a lively and interactive atmosphere, encouraging active participation and thoughtful questions from the audience. The use of digital tools not only clarified challenging ideas but also made the learning experience enjoyable and accessible for everyone involved.



  
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## TEACHING METHODOLOGY USED: PARTICIPATARY LEARNING

DATE: 10/10/2024

TOPIC: ELECTRIC SHOCK, ELECTRIC BURNS

NAME OF THE STAFF: Dr. SUMA PATIL

BPT 2nd-year students recently conducted an insightful seminar on "Electric Shock, Electric Burns: Complications and Prevention." The session highlighted critical information on the causes and types of electric burns, potential complications, and essential prevention strategies. Through clear and engaging presentations, students covered complex details on the effects of electric shock on the body, including tissue damage and possible long-term complications. The seminar also emphasized the importance of safety measures and immediate care in preventing and managing electrical injuries, providing valuable knowledge for their peers in health-related fields.



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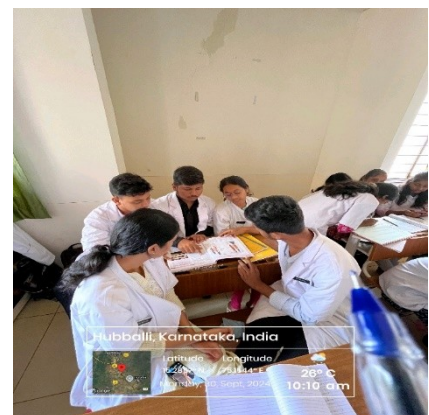
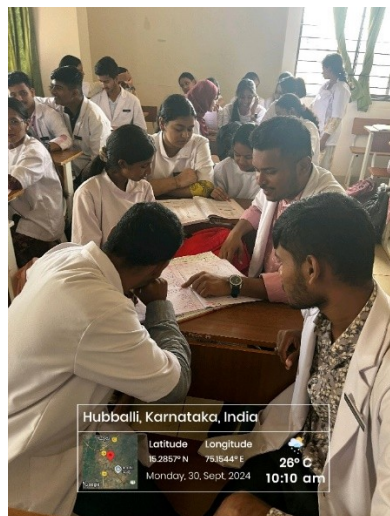
### TEACHING METHODOLOGY USED: INTEGRATED LEARNING

DATE: 30/09/2024

TOPIC: "**Biomechanics of the Wrist**"


NAME OF THE STAFF: Dr. Pooja Motar Sublok

Dr. Pooja Motar Sublok conducted a **Integrated learning** on the topic "**Biomechanics of the Wrist**" "on completion of theory classes. The session was structured to promote collaborative learning, with students divided into **four groups**. Each group was assigned specific aspects of wrist biomechanics to explore, encouraging active participation and peer-to-peer discussions. This interactive method allowed students to engage deeply with the material, fostering a better understanding of the complex anatomical and mechanical functions of the wrist. The session was highly productive, with students presenting their findings and gaining practical insights into the biomechanics of the wrist.







  
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### **TEACHING METHODOLOGY USED: Kinesthetic learning**

DATE: 31/10/2024


TOPIC: PNF

NAME OF THE STAFF: Dr Komal K B

In a hands-on kinesthetic learning session, Dr. Komal K. B. conducted a practical demonstration focused on Proprioceptive Neuromuscular Facilitation (PNF) patterns for the upper limbs (UL) and lower limbs (LL). This interactive session was designed to deepen students' understanding of PNF techniques through direct, supervised practice.

Dr. Komal began by demonstrating key PNF patterns for both the upper and lower limbs, emphasizing the essential aspects of each technique—proper body alignment, grip, and positioning. She provided clear, step-by-step instructions on each movement sequence, helping students observe how to execute the patterns accurately and safely. Through this demonstration, she showcased how to apply each technique with precision, which is critical in ensuring the effectiveness of PNF exercises. After the initial demonstration, students were encouraged to practice these PNF patterns under her guidance. As they performed the exercises, Dr. Komal closely observed each student's form, offering personalized feedback on their command delivery, grip strength, and body positioning. She emphasized the importance of clear verbal commands to guide the subjects effectively and improve the subjects' engagement and response. This element of command correction ensured that students understood how to communicate confidently and accurately, crucial for both the technical success and therapeutic impact of PNF techniques.





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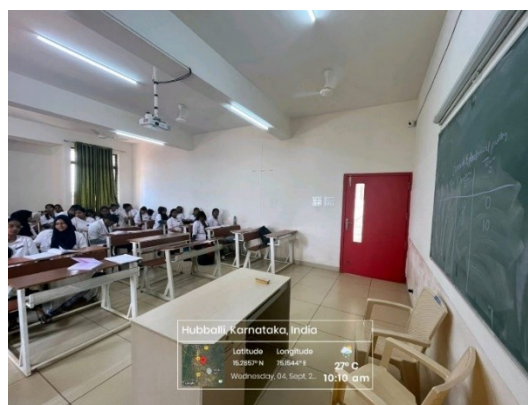
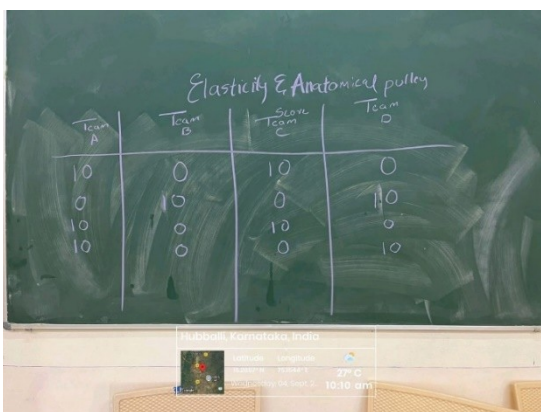
### TEACHING METHODOLOGY USED: GAME BASED LEARNING

DATE: 4/09/2024

TOPIC: Elasticity and Anatomical Pulley

NAME OF THE STAFF: Dr. Shivani Patil

The game-based learning session, students were divided into four groups to enhance engagement and foster collaborative learning. Dr. Shivani Patil posed a series of questions to all groups, encouraging them to think critically and work together. The format was competitive: the first group to answer correctly received 10 points, creating an exciting atmosphere that motivated students to participate actively. Ultimately, the group with the highest score emerged as the winner. This approach not only reinforced the subject matter but also developed important skills such as teamwork, quick thinking, and communication. This method demonstrated the effectiveness of game-based learning in the classroom, as it made the learning process enjoyable and memorable while encouraging all students to engage and contribute. Overall, it was a successful activity that highlighted the benefits of using games to facilitate learning.





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### TEACHING METHODOLOGY USED: SELF-DIRECTED LEARNING

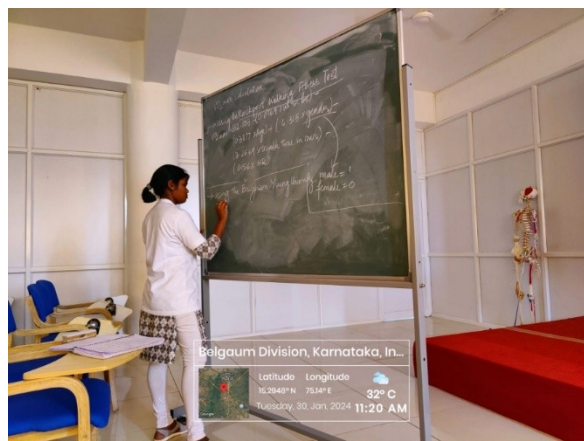
DATE: 30/01/2024

TOPIC: AEROBIC EXERCISE

NAME OF THE STAFF: Dr. Veena Bembalgi

On completion of theory classes on Aerobic Exercises, the students were given seminars on small topics as a part of revision. The students discussed various points which required more clarification. Dr. Veena Bembalgi actively engaged in insightful discussions with students, fostering a collaborative atmosphere. The students presented impressive presentations on their topics which ranged from theoretical subject matter to practical calculation of Target heart rates for various considerations.

Dr. Veena provided constructive feedback, enhancing the overall learning experience. This interactive format not only enriched the teacher-student discourse but also promoted peer-to-peer learning. The event successfully deepened students' understanding of Aerobic exercise significance in physiotherapy practice.







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**TEACHING METHODOLOGY USED (Differential learning methods): LANGUAGE BARRIER  
REMEDIAL**

DATE: 03/12/2024

TOPIC: Kannada Class

NAME OF THE STAFF: Mrs. Anita Venkatesh Ilager

Effective communication with patients is essential for medical professionals. To improve interactions with Kannada-speaking patients in Karnataka, a specialized Kannada language class was organized for medical students. The class, conducted by Mrs. Anita Venkatesh Ilager, focused on enhancing communication skills and medical terminology in Kannada. The program, held at **KCPT Hubli**, was tailored to meet the needs of **BPT students**, fostering empathetic and effective healthcare practices. The class enabled students to improve patient care, build stronger relationships, and expand their professional opportunities by strengthening their Kannada language skills. This initiative is a significant step in preparing students for a successful career in healthcare, contributing to better patient care and communication in the region.







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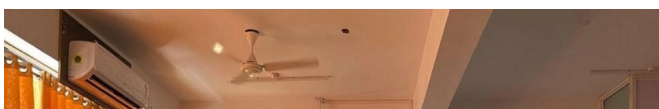
### TEACHING METHODOLOGY USED: LEARNING THROUGH PROBLEM-SOLVING

DATE:19 /09/2024

TOPIC: Chest X-ray

NAME OF THE STAFF: Dr. Mrunali Kerkar

A Learning through problem-solving activity was conducted after the completion of the theory classes of chest X-ray topic. Students were given clinical cases with chest X-rays showing conditions like pneumonia and pneumothorax, and tasked with interpreting the X-rays to diagnose the conditions. The session promoted collaboration, critical thinking, and practical application of theoretical knowledge. Groups presented their findings, and Dr. Mrunali provided feedback and guidance. The session enhanced students' diagnostic skills and understanding of chest X-ray interpretation, proving to be an effective method for reinforcing key radiological concepts.





# **KLE COLLEGE OF PHYSIOTHERAPY**

## **KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH**

(Formerly Known as KLE University)

(Deemed to be University Established U/s 3 of the UGC Act. 1956)

Accredited "A" grade by NAAC (3<sup>rd</sup> Cycle) Placed in category a by MoE (GoI)

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### **TEACHING METHODOLOGY USED (DIFFERENTIAL LEARNING METHODS), PEER ASSISTED REMEDIAL TEACHING**

DATE: 14/10/2024

TOPIC: Aerobic exercise training

NAME OF THE STAFF: Dr. Komal K B

On October 14, 2024, Dr. Komal K. B. facilitated a peer-assisted remedial teaching session focused on aerobic exercise training. In this collaborative learning environment, advanced learners took the initiative to support their slower-learning peers. They engaged in discussions, clarified doubts, and helped simplify complex concepts, all while receiving guidance from Dr. Komal K. B. This approach not only fostered understanding but also encouraged teamwork and communication skills among the students.

The session was structured to promote active collaboration. Advanced learners took on a mentorship role, explaining topics such as the physiology of aerobic exercise, different training techniques, and the effects of aerobic workouts on cardiovascular health. They also broke down scientific terms and procedures into more accessible language, making complex ideas easier to grasp. This approach allowed students who might have struggled alone to receive explanations from multiple perspectives, enhancing their understanding.

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Prerana Residential PU College Campus, Near Kundgol Cross, Kotagondhunshi, Hubballi-580028 (At. Post :Adargunchi)

Website : <http://www.kcpt.kaheer.edu.in>. <http://www.kledeemeduniversity.edu.in>.

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### **TEACHING METHODOLOGY USED: KINESTHETIC LEARNING**

DATE: 12/11/2024

TOPIC: AQUATIC THERAPY

NAME OF THE STAFF: Dr. Veena Bembalgi AND Dr. Mrunali

Dr. Veena Bembalgi and Dr. Mrunali, organized an Aquatic Therapy session on 12th November 2024 for second-year BPT students at "The Healing Waters", Dharwad, with Dr. Arpita Hegde as the resource person. Dr. Hegde demonstrated key hydrotherapy techniques, including buoyancy exercises, resistance training, relaxation techniques and pain management, highlighting their benefits in rehabilitation. Students gained hands-on experience while learning about the physiological effects of water therapy and its applications for musculoskeletal, psycho-somatic and neurological conditions. The session provided valuable insights into aquatic therapy's role in patient recovery.



# KLE COLLEGE OF PHYSIOTHERAPY

## KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH

(Formerly Known as KLE University)

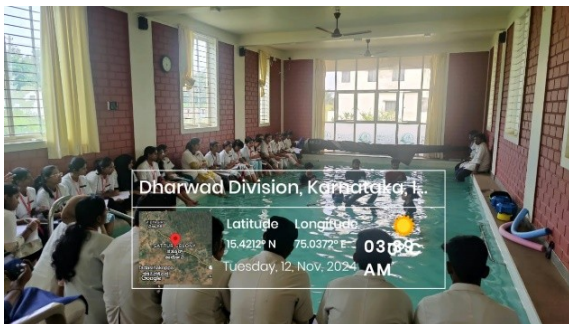
(Deemed to be University Established U/s 3 of the UGC Act. 1956)


Accredited "A" grade by NAAC (3<sup>rd</sup> Cycle) Placed in category A by MoE (GoI)

Prerana Residential PU College Campus, Near Kundgol Cross, Kotagondhunshi, Hubballi-580028 (At.  
Post :Adargunchi)

Website : <http://www.kcpt.kaher.edu.in>. <http://www.kledeemeduniversity.edu.in>.

E-mail : [principalbpthbl@kledeemeduniversity.edu.in](mailto:principalbpthbl@kledeemeduniversity.edu.in)



  
**PRINCIPAL**  
**KAHER's KLE College of Physiotherapy**  
**Kotgondhushi, HUBBALLI-28.**

### DIFFERENTIAL LEARNING METHODS: DANCE BASED LEARNING

DATE: 19/10/2024

TOPIC: PNF


NAME OF THE STAFF: Dr. Komal K B

In an innovative approach to teaching Proprioceptive Neuromuscular Facilitation (PNF), Dr. Komal K. B. conducted a practical session that integrated dance-based learning to demonstrate PNF patterns. By creatively adapting PNF techniques into dance movements, Dr. Komal transformed the session into an engaging, memorable learning experience, allowing students to appreciate the functional applications of PNF patterns in a fresh, dynamic way. The session focused on teaching students how PNF patterns, traditionally used in rehabilitation and physical therapy, could be seamlessly integrated into dance.



Each dance movement was thoughtfully correlated with specific PNF patterns, showcasing how these patterns support real-life functional activities—such as reaching, lifting, and rotating—that are part of activities of daily living (ADL). This connection allowed students to see how PNF principles apply beyond a clinical setting and contribute to improved flexibility, coordination, and strength in everyday actions. Dr. Komal introduced upper limb (UL) and lower limb (LL) PNF patterns and linked each to a corresponding dance move that students could easily replicate. For instance, reaching or lifting movements common in daily tasks were represented through arm extensions and graceful leg lifts, while rotational movements were demonstrated through twisting and turning dance motions. Students enthusiastically participated, learning and practicing each PNF pattern in a dance format, which made the session not only educational but also enjoyable.



  
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### **LEARNING METHODS: THE HUMANITIES**

DATE: 26/07/2024


TOPIC: Awareness about the role of physiotherapy in promoting health and well-being.

NAME OF THE STAFF: Dr. Aditi

A group of 10 BPT students from KLE College of Physiotherapy, Hubballi, visited Adargunchi village on 26/07/2024 to create awareness about the role of physiotherapy in promoting health and well-being under the guidance of Dr. Aditi. The students presented an informative poster exhibition that focused on the various aspects of physiotherapy, including pain management, rehabilitation, injury prevention, and improving mobility. They explained how physiotherapy can help with conditions such as musculoskeletal pain, post-surgery recovery, stroke rehabilitation, and chronic diseases like arthritis and diabetes. Through

interactive discussions, the students emphasized the importance of early intervention, regular exercise, and maintaining an active lifestyle to prevent health complications. The villagers were highly engaged and gained a better understanding of how physiotherapy can significantly improve quality of life and reduce the burden of various health issues. The event was well-received and successfully raised awareness about the vital role of physiotherapists in community health.



  
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### **LEARNING METHODS: ROLE PLAY**

DATE: 24/09/2024


TOPIC: Awareness about the consequences of high blood pressure (hypertension) and the crucial role of physiotherapy in managing it

NAME OF THE STAFF: Dr. Pooja Motor Sublok.

A group of 10 BPT students from KLE College of Physiotherapy, Hubballi, performed a nukkad natak (street play) at Adargunchi village on 24/9/24 to raise awareness about the consequences of high blood pressure (hypertension) and the crucial role of physiotherapy in managing it under the guidance of Dr. Pooja Motor Sublok. The skit focused on educating the local community about the risks of uncontrolled blood pressure, including heart disease, stroke, and kidney damage. The students highlighted how

physiotherapy interventions, such as exercise therapy, stress management techniques, and lifestyle modifications, can effectively aid in controlling blood pressure and improving overall cardiovascular health. Through an engaging and interactive performance, the students emphasized the importance of early detection, regular monitoring, and the role of physiotherapists in promoting a healthy lifestyle. The skit was well-received, fostering greater awareness about hypertension and the positive impact of physiotherapy on managing this prevalent condition.



  
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### **DIFFERENTIAL LEARNING METHODS: PROJE**

DATE: 11/11/2024

TOPIC: Microampere and Didynamic Current.

NAME OF THE STAFF: Dr. Komal K B

Dr. Komal K. B. organized a project-based learning activity focused on the topics of Microampere and Didynamic Current. She divided the participants into four groups, each consisting of 10 members, selected randomly using the chit method. All groups were instructed to prepare and create PowerPoint presentations on both topics. The specific topic for each group's presentation was also determined randomly through the chit method.

During the presentations, other groups were encouraged to ask questions, with the students designated to ask questions also selected randomly using chits. Dr. Komal evaluated the groups based on their presentations, the quality of their PPT slides, their ability to handle questions, and the level of involvement of all group members.



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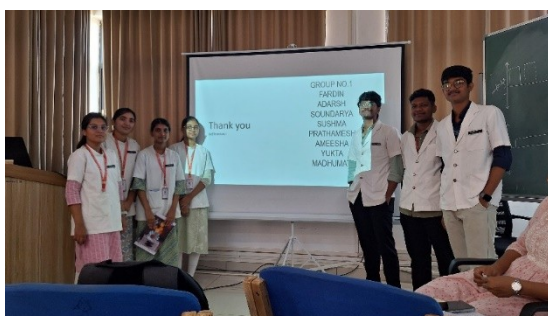
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E-mail : [principalbpthbl@kledeemeduniversity.edu.in](mailto:principalbpthbl@kledeemeduniversity.edu.in)

Group D achieved the highest score, and each member of the winning group was awarded one mark in the internal assessment exam.




  
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Kotgondhushi, HUBBALLI-28.




### LECTURE BASED TEACHING LEARNING

S.No	Contents	Details
1.	Name of the Department	Department of Swasthavrittha
2.	Type of pedagogical Method	Lecture based teaching learning
3.	Date	26-2-24
4.	Name of the Teaching Faculty	Dr. Sanjeev Toni
5.	Number of faculties involved	1
6.	Venue	Lecture hall No -2
7.	Number of Beneficiaries	100
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> Professional BAMS Students
9.	Objective of the class	To orient the students regarding Dinacharya procedures through Lecture based teaching method
10.	Outcome	Students understood the Importance and Benefits of Dinacharya procedures.
11.	Photo Gallery	 <p>Belagavi, Karnataka, India RGQ7+PR2, Sambhaji Galli, Hindwadi, Belagavi, Karnataka 590011, India Lat 15.838964° Long 74.51447° 26/02/24 10:51 AM GMT +05:30</p>







**PRINCIPAL**  
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Ayurved Mahavidyalaya  
A Constituent Unit of KAHER  
Shahapur, BELAGAVI-03.B

### GROUP TEACHING AND LEARNING

S.No	Contents	Details
1.	Name of the Department	Department of Rachana Shareera
2.	Type of pedagogical Method	Group Teaching and Learning
3.	Date	01-07-24
4.	Name of the Teaching Faculty	Dr. M B Ramannavar
5.	Number of faculties involved	4
6.	Venue	Dissection Hall
7.	Number of Beneficiaries	50
8.	Category of Beneficiaries	UG -1 <sup>st</sup> Professional BAMS Students
9.	Objective of the class	To apply theoretical knowledge in a practical setting to reinforce student's learning
10.	Outcome	Practical class helped the students in better understanding and retention of knowledge regarding anatomical structures.
11.	Photo Gallery	

### INDIVIDUAL LEARNING/SELF STUDY

S.No	Contents	Details
1.	Name of the Department	Department of Roganidan
2.	Type of pedagogical Method	Individual learning /Self study
3.	Date	30-10-24
4.	Name of the Teaching Faculty	Dr. Pallavi Poojari
5.	Number of faculties involved	1
6.	Venue	Central Library
7.	Number of Beneficiaries	25
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> Professional BAMS Students
9.	Objective of the class	To foster independent learning and critical thinking skills.
10.	Outcome	Enabled students to analyze their learning and enhanced their skills effectively
11.	Photo Gallery	  <p>Belagavi, Karnataka, India 12, Shahapur, Belagavi, Karnataka 590003, India Lat 15.839394° Long 74.51549° 30/10/24 09:25 AM GMT +05:30</p>   <p>Belagavi, Karnataka, India RQ08+Q9M, Hindwadi, Belagavi, Karnataka 590011, India Lat 15.839372° Long 74.515507° 30/10/24 09:22 AM GMT +05:30</p>




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### INQUIRY BASED LEARNING

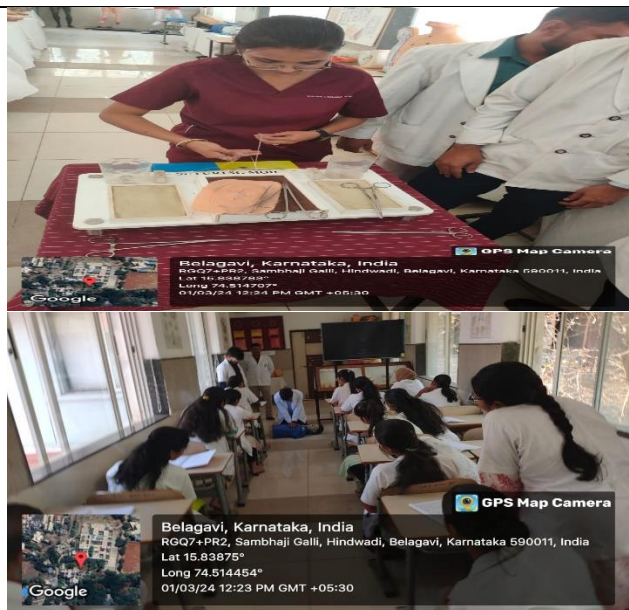
S.No	Contents	Details
1.	Name of the Department	Department of Rachana Shareera
2.	Type of pedagogical Method	Inquiry Based Learning
3.	Date	10-2-24
4.	Name of the Teaching Faculty	Dr. Smitharaje Wader
5.	Number of faculties involved	1
6.	Venue	Lecture hall No -1
7.	Number of Beneficiaries	50
8.	Category of Beneficiaries	UG -1 <sup>st</sup> Professional BAMS Students
9.	Objective of the class	To enhance student engagement through interactive and collaborative learning experiences
10.	Outcome	Students were able to clear their doubts for better understanding of the topic.
11.	Photo Gallery	



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### KINESTHETIC LEARNING

S.No	Contents	Details
1.	Name of the Department	Department of Shalyatantra
2.	Type of pedagogical Method	Kinesthetic Learning
3.	Date	1-3-24
4.	Name of the Teaching Faculty	Dr. Pradeep Shinde
5.	Number of faculties involved	1
6.	Venue	Skill Lab
7.	Number of Beneficiaries	25
8.	Category of Beneficiaries	UG -4 <sup>th</sup> Professional BAMS Students
9.	Objective of the class	To focus on experiential learning for suturing skills and CPR.
10.	Outcome	Students were able to demonstrate the suturing skills and CPR.
11.	Photo Gallery	



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**GAME BASED LEARNING**

S.No	Contents	Details
1.	Name of the Department	Department of Samhita and Siddhanta
2.	Type of pedagogical Method	Game based learning
3.	Date	27-2-24
4.	Name of the Teaching Faculty	Dr. Savitha Padashetti
5.	Number of faculties involved	1
6.	Venue	College campus
7.	Number of Beneficiaries	50
8.	Category of Beneficiaries	UG -1 <sup>st</sup> Professional BAMS Students
9.	Objective of the class	To engage the students through interactive game based elements
10.	Outcome	Helped students for joy full learning
11.	Photo Gallery	



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### EXPEDITIONARY LEARNING


S.No	Contents	Details
1.	Name of the organizing Department	Department of Swasthavrittha
2.	Type of pedagogical Method	Expeditionary Learning
3.	Date	08-11-24
4.	Name of the Teaching Faculty	Dr. Sanjeev Toni and Dr. Siddhi Prabhu Desai
5.	Number of faculties involved	2
6.	Venue	Nandini Milk Factory, Belagavi
7.	Number of Beneficiaries	100
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> Professional BAMS Students
9.	Objective	To make the students to perceive the real scenario of pasteurization of milk and preparation of milk products
10.	Outcome	Students were able to appreciate the procedures like pasteurization of milk and preparation of milk products
11.	Photo Gallery	 <p>Belagavi, Karnataka, India Vgpp+rgm, Anjaneya Nagar, Mahantesh Nagar, Belagavi, Karnataka 590017, India Lat 16.876929° Long 74.83669° 08/11/24 11:43 AM GMT +05:30</p>  <p>Hindalga, Karnataka, India VF5p+9gw, Camp, Hindalga, Belagavi, Karnataka 591108, India Lat 15.83755° Long 74.486864° 09/11/24 12:24 PM GMT +05:30</p>



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### TECHNOLOGY BASED LEARNING


S.No	Contents	Details
1.	Name of the organizing Department	Department of Roganidana
2.	Type of pedagogical Method	Technology based learning
3.	Date	31-01-24
4.	Name of the Teaching Faculty	Dr. Manjula K
5.	Number of faculties involved	1
6.	Venue	AV HALL
7.	Number of Beneficiaries	100
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> Professional BAMS Students
9.	Objective of the class	To enhance the technology based learning experience of students through Webinar on Nadi.
10.	Outcome	Students were able to understand Nadi Pareeksha in depth through Webinar on Sahaja Nadi
11.	Photo Gallery	



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### PEER TEACHING

S.No	Contents	Details
1.	Name of the Department	Department of Kriya Shareer
2.	Type of pedagogical Method	Peer teaching
3.	Date	16-2-24
4.	Name of the Facilitator	Dr. Kadambari S
5.	Number of faculties involved	1
6.	Venue	Lecture hall No. -1
7.	Number of Beneficiaries	10
8.	Category of Beneficiaries	UG -1 <sup>st</sup> Professional BAMS Students
9.	Objective of the class	To make the students to share their Knowledge and skills on Kriyakala with their classmates.
10.	Outcome	Students were confidently able to share Kriyakala concepts with their classmates
11.	Photo Gallery	



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### LEARNING THROUGH PROBLEM SOLVING

S.No	Contents	Details
1.	Name of the Department	Department of Rasashashtra and Bhaishajyakalpana
2.	Type of pedagogical Method	Learning through problem solving
3.	Date	09-09-24
4.	Name of the Teaching Faculty	Dr. Veena. Kupati
5.	Number of faculties involved	1
6.	Venue	Rasashala
7.	Number of Beneficiaries	12
8.	Category of Beneficiaries	UG -2 <sup>nd</sup> Professional BAMS Students
9.	Objective of the class	To make the students to demonstrate preparation of Triphala Granules
10.	Outcome	Students prepared Triphala granules as per the SoPs.
11.	Photo Gallery	



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**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**



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**Pedagogical Learning**

Sl. No.	Particulars	Details
1.	Name of the Pedagogical Learning Method	<b>Game Based Learning (Pick and Draw the Heterocyclic Nucleus)</b>
2.	Class and Semester	B. Pharm VI Semester
3.	Subject Name	Medicinal Chemistry-III
4.	No. of Students Attended	105
5.	No. of Students Participated	56
6.	Date of Conduct	20 May 2024
7.	Name of the teacher	Dr. Shailendra S. Suryawanshi
8.	Details of Game Based Learning Method	<p>Game-based learning is an innovative approach to education that combines the engaging aspects of games with the delivery of academic content. In the context of Medicinal Chemistry, particularly the study of heterocyclic compounds, a game like "Pick and Draw Structures" offers an interactive platform for students to grasp complex concepts more effectively.</p> <p>Heterocyclic compounds, characterized by their ring structures containing at least one atom other than carbon, play a significant role in pharmaceuticals, agrochemicals, and materials science. Understanding their structures and properties is crucial but can be challenging due to their diversity. The "Pick and Draw" game simplifies this by turning learning into an active, participatory process.</p> <p>The game involves randomly picking a card containing the name of a heterocyclic compound. Students have then sketched its structure on a board a time limit. This activity encourages quick recall of concepts, visualization skills, and collaborative problem-solving. This method enhances learning by making it hands-on and fun. It promotes better retention as students actively engage with the material rather than passively absorbing information.</p> <p><b>"Pick and Draw Structures"</b> not only deepens understanding of heterocyclic compounds but also builds critical thinking and adaptability, ensuring students are better equipped for academic and professional challenges in chemistry.</p>



**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**

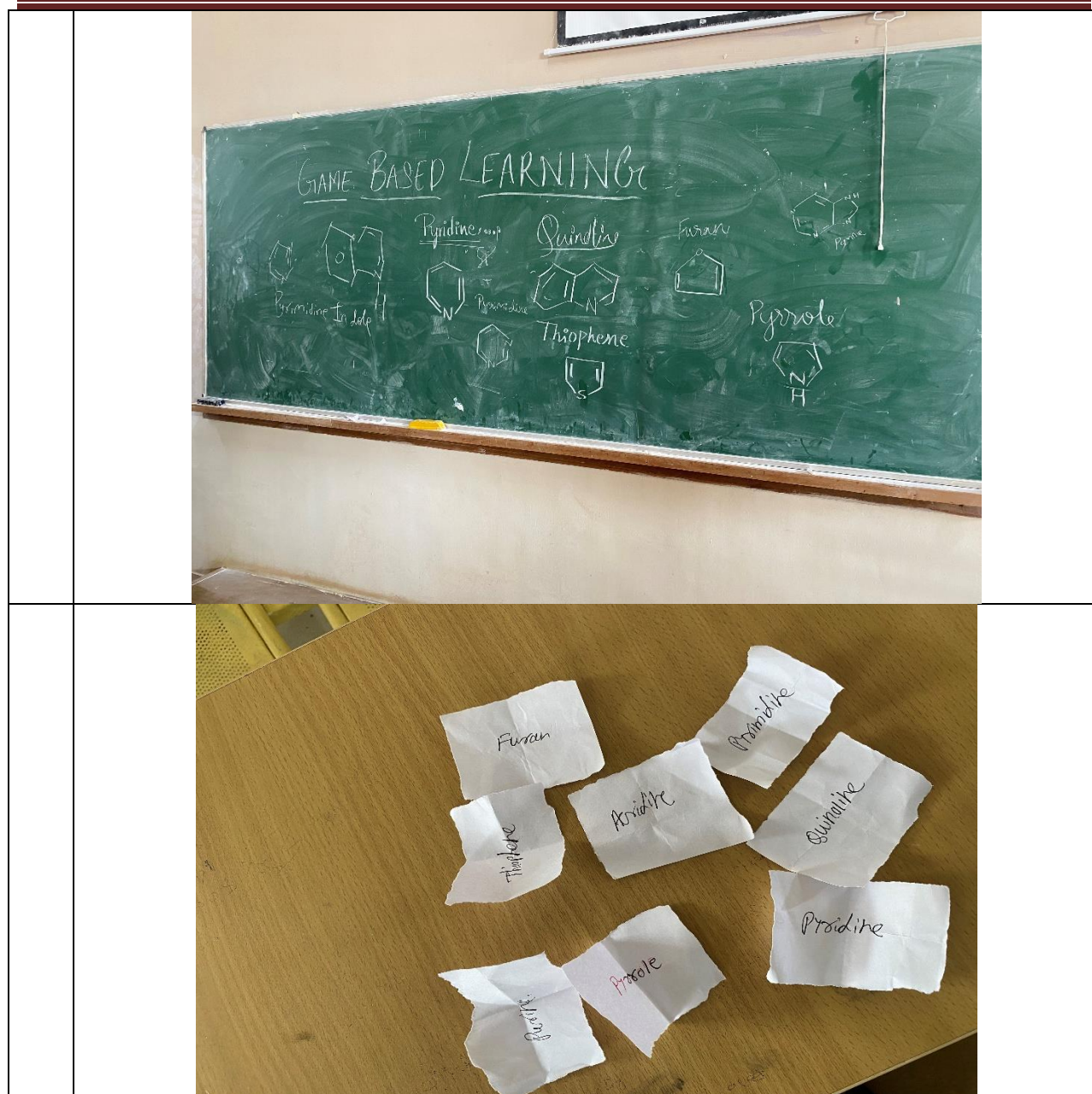
9.	Representative Photographs	Participants
		
		



**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**



**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**



**Subject In-Charge**

**Dr. Shailendra S. Suryawanshi**

Assistant Professor,  
Department of Pharmaceutical Chemistry,  
KLE College



**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**

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**Differential Learning Method**

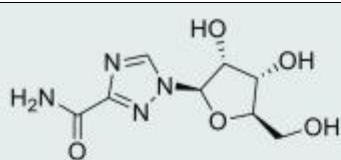
Sl. No .	Particulars	Details
1.	Name of the Differential Learning Method	"Drawing Chemical Structures of Drugs"
2.	Class and Semester	B. Pharm VI Semester
3.	Subject Name	Medicinal Chemistry-III
4.	No. of Students Attended	25
5.	Date of Conduct	10 May 2024
6.	Name of the teacher	Dr. Shailendra S. Suryawanshi
7.	Details of Game Based Learning Method	The remedial teaching on " <b>Drawing Chemical Structures of Drugs</b> " was successfully conducted, focusing on the differential learning needs of students who were having difficulty in learning the Chemical Structure of Drugs. The teaching has started with a brief revision of foundational concepts, ensuring all students were aligned with the basics of chemical bonds, functional groups, nucleus and structural frameworks. While step-by-step verbal explanations supported auditory learners. Practice activities were tailored to varying skill levels, offering simpler tasks by asking them and practice the structures. Inclusive strategies, such as peer pairing and individual guidance, have been done. Tools like printed handouts and digital resources showed. The teaching method concluded with a summary of key points and resource recommendations for continued learning, demonstrating its success in addressing diverse learning needs.
9.	Representative Photographs	Participants

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**PHARMACEUTICAL ORGANIC CHEMISTRY-II**

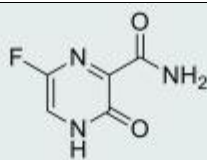




**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**PHARMACEUTICAL ORGANIC CHEMISTRY-II**



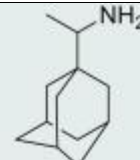
**19. Ribavirin**



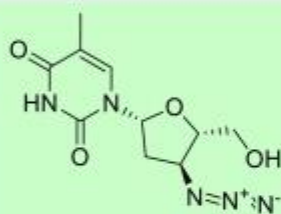
**20. Favipiravir**



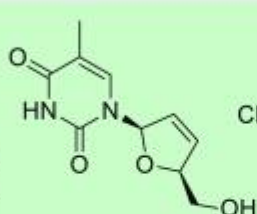
**21. Amantadine**



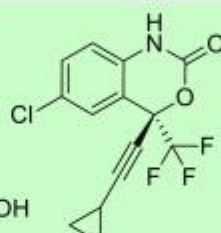
**22. Rimantadine**



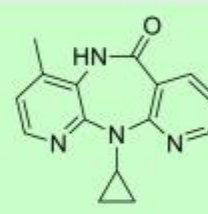
**23. Zidovudine**



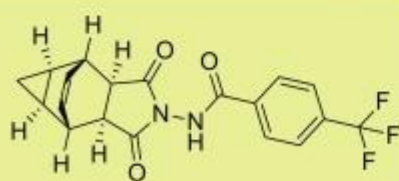
**24. Stavudine**



**25. Efavirenz**

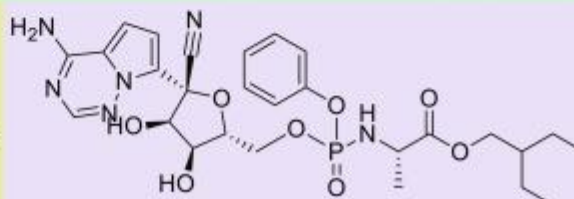


**26. Nevirapine**



**(B)**

**27. Tecovirimat**



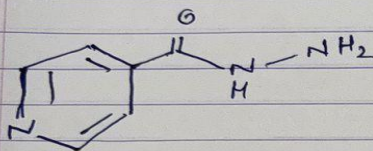
**28. Remdesivir**

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**PHARMACEUTICAL ORGANIC CHEMISTRY-II**

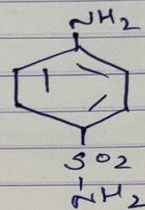
Art. S. Sanadkar. Taray. D. Bhargude  
 NA0121013. NA0121083

INH  
 Paracetamol  
 Aspirin  
 Sulphanilamide

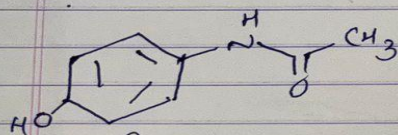
Zubufen  
 Ampicillin



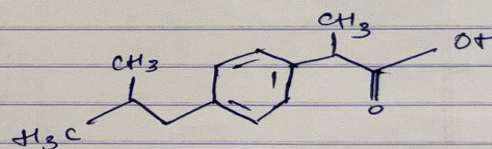
Isoniazid



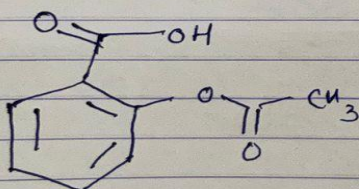
Sulphanilamide



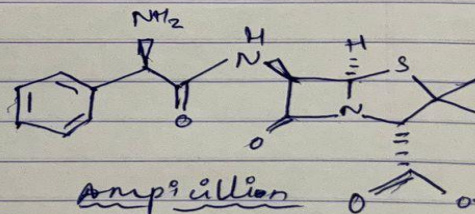
Paracetamol



Ibuprofen



Aspirin



Ampicillin

**Subject In-Charge**

**Dr. Shailendra S. Suryawanshi**

Assistant Professor,  
 Department of Pharmaceutical Chemistry,  
 KLE College



Department of Pharmacy Practice

# Enquiry Based Learning

## Topic:

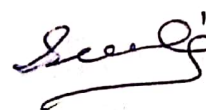
**Tablet Dart Dilemma: Exploring the challenges faced by breastfeeding women and why to avoid it?**

**Enquirer: Dr. Metgud [B- Unit head (OBGYN)]**

**Submitted by: Bhavi Kawad**

**Class: Pharm D 5<sup>th</sup> Year**

**Year: 2023-2024**



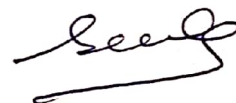
In August 2023, I worked on an interpretation involving the side effects of Tablet Dart. It was observed that multiple babies became restless and cried persistently due to the caffeine content in the medicine. These observations emphasized the importance of studying how certain medications can affect children who are breastfeeding, especially when their developing systems are more sensitive to specific ingredients like caffeine.

Recognizing the significance of these findings, Dr. Metgud assigned me the task of analyzing the issue in detail. He requested that I prepare a comprehensive PowerPoint presentation to explain the problem and propose solutions. In my presentation, I included an overview of the observed side effects, the underlying reasons for these reactions, and clinical evidence to support the findings. I also suggested practical recommendations to reduce the risks of similar incidents in the future.

I presented this work to Dr. Metgud and the B Unit team in a dedicated session. The team acknowledged the seriousness of the issue and engaged in meaningful discussions about improving the safety and usage of Tablet Dart in breastfeeding women. These discussions led to significant changes in the prescribing and usage guidelines of the medication, ensuring better care for babies and addressing the concerns raised by the observations.

### Conclusion

This intervention underscored the critical importance of monitoring and analyzing the side effects of medications, particularly in vulnerable populations such as breastfeeding women. The collaborative efforts of the team led to actionable changes that improved the safety of Tablet Dart, ensuring better outcomes for patients. Additionally, the publication of these findings in the KLE Pharma Tabloid helped spread awareness and encouraged responsible use of caffeine-containing medications. This experience reinforced the value of teamwork and careful observation in improving patient care.





# The Tablet Dart Dilemma :

Exploring the challenges faced by breastfeeding women and why to avoid it?



Tab dart is an analgesic and antipyretic medicine used for different kinds of aches; it consists of combination of Paracetamol-300MG+Caffeine-50MG+Propyphenazone-150MG which is available in India. This study focuses on tab dart being given to women who undergo LSCS and suffer from spina' headache which is an adverse effect caused due to Inj. Bupivacaine 0.5% given as anaesthetic.

The combination of this tablet is said to have no therapeutic value and its sale was banned by the Ministry of Health in the year 2018 which was uplifted later by the Supreme court.

'The Week' in its article stated that experts said these combinations were "unnecessary, irrational and harmful." These are not part of any textbook of medicine or pharmacology.

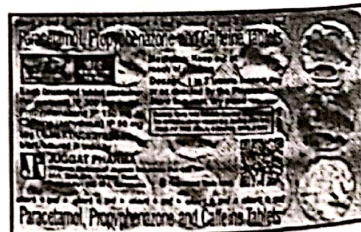
The drug contains propyphenazone, which is banned in countries like Sri Lanka, Malaysia, Thailand, Turkey.

Also, the other content caffeine affects some babies, may lead to increased fussiness and irritability in the baby, more trouble in going to sleep or stay awake, hyperactivity in the baby, restlessness. Caffeine passes easily through breastmilk and stays for approximately 4 days (half-life of caffeine in neonates) in the new born baby's system which may lead to more side effects in the baby.

Dart tablet is prescribed in a frequency of 1-1-1 which leads to administration of a total of 150mg of caffeine and the patient is already advised to drink 2 cups of coffee which makes a total of approximately 340mg of caffeine which may lead to adverse effects. The propyphenazone in tablet Dart is a poor anti-inflammatory and analgesic drug whereas, paracetamol present in the tablet already has better anti-inflammatory and analgesic action with minimal side effects.

An alternative for Tab Dart such as Tab Calpol 500 (paracetamol), Tab Ibuprofen 400, Tab Combiflam, Tab Ibugesic plus (combination of paracetamol and ibuprofen) could be prescribed. These tablets are cost effective, have reduced side effects of caffeine and paracetamol has a better effect on pain management as compared to propyphenazone.

The regulatory authorities are hence requested to take into consideration the effects of tablet dart being prescribed to breastfeeding women and ultimately reduce the side effects caused. Also to be bought under the notice of physicians, consultants and other prescribing health care professionals.



- Miss Bhavi Kawad  
Pharm D 6th year  
KLE College of Pharmacy, Belagavi

Preceptor & class teacher

Salimath

14/08/23

(Dr. Geetanjali S. Salimath)

Dr. Sunil S. Jalalpure  
Principal

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Department of Pharmacy Practice

# Enquiry Based Learning

## TOPIC:

- **FDA Classification of Drugs**
- **PLLR System**
- **DCGI Schedule Drugs and Prerequisite**

Name of Enquirer : **Dr. Mrutyunjaya B Bellad**  
Professor- Department of Obstetrics and Gynaecology  
Jawaharlal Nehru Medical College

Submitted by : **Ann Elizabeth Shajan**  
Class : **Pharm D 5<sup>th</sup> Year**  
Year : **2023-24**



In the month of August 2023, as part of our Clerkship postings I was posted in the Department of Obstetrics and Gynaecology. The head of the department Dr. Mrutyunjaya B Bellad had asked to present about the topics like FDA Classification of Drugs, PLLR System and DCGI Schedule Drugs and Prerequisite.

Drug classification systems are essential for ensuring the safety, efficacy, and proper use of pharmaceuticals. These classifications, established by regulatory authorities such as the FDA (Food and Drug Administration) and DCGI (Drugs Controller General of India), serve as a guideline for healthcare professionals in prescribing medications responsibly. This report highlights the FDA's drug classification, the Pregnancy and Lactation Labelling Rule (PLLR), and the drug scheduling system in India under the DCGI, including the prerequisites for regulatory compliance.

## 1. FDA Classification of Drugs

The FDA classifies drugs based on their safety, effectiveness, and control measures:

### a) Over-the-Counter (OTC) Drugs:

- Available without a prescription.
- Intended for safe and effective use by the general public.

### b) Prescription (Rx) Drugs:

- Require a licensed healthcare provider's prescription.
- Used for conditions requiring professional monitoring due to potential side effects or complexity.

### c) Controlled Substances:

- Classified into Schedules I–V based on their potential for abuse and medical use.
- Examples:
  - **Schedule I:** High abuse potential, no accepted medical use (e.g., heroin).
  - **Schedule V:** Low abuse potential (e.g., cough preparations with codeine).

## 2. Pregnancy and Lactation Labelling Rule (PLLR)

The PLLR system, implemented by the FDA in 2015, replaced the previous pregnancy categories (A, B, C, D, and X). It provides detailed, evidence-based information for safer prescribing during pregnancy and lactation.

### Key Sections in PLLR:

#### 1. Pregnancy:

- Summary of foetal risks, dose adjustments, and clinical considerations.

#### 2. Lactation:

- Impact of the drug on milk production and breastfeeding infants.

#### 3. Females and Males of Reproductive Potential:

- Details on fertility, contraception, and pregnancy testing.





### **Significance:**

- Promotes informed decision-making for pregnant or breastfeeding women.

### **3. DCGI Schedule Drugs and Prerequisites**

In India, the DCGI oversees drug classification and scheduling under the Drugs and Cosmetics Act, 1940.

#### **Key Schedules:**

##### **1. Schedule H:**

- Prescription-only drugs, not to be sold OTC.

##### **2. Schedule H1:**

- Restricted drugs requiring strict monitoring (e.g., antibiotics).

##### **3. Schedule X:**

- Drugs with high abuse potential, requiring a special license for sale.

##### **4. Schedule C and C1:**

- Biological products like vaccines and sera.

#### **Prerequisites for Approval:**

##### **1. Clinical Trials:**

- Rigorous trials to establish safety and efficacy.

##### **2. Documentation:**

- Submission of dossiers, pharmacological data, and adverse event reports.

##### **3. Licensing:**

- Compliance with Good Manufacturing Practices (GMP).

##### **4. Post-Market Surveillance:**

- Continuous monitoring of drug safety after approval.

### **Conclusion:**

The FDA's and DCGI's drug classification systems play a pivotal role in maintaining the safety and quality of pharmaceuticals. While the PLLR system ensures better risk communication during pregnancy and lactation, the DCGI schedules focus on controlled distribution. A thorough understanding of these frameworks is crucial for healthcare professionals, ensuring optimal patient care and drug safety compliance.

Preceptor & class teacher  
Palinath 29/08/2023  
NAR G. B. T. R. S. (Palinath)

*Signature*





# KLE COLLEGE OF PHARMACY, BELAGAVI

A Constituent Unit of KLE Academy of Higher Education and Research

Re-accredited A<sup>+</sup> Grade by NAAC (3<sup>rd</sup> Cycle) Placed in Category 'A' by MHRD (GoI)

B. Pharm program has been accredited by NBA (4<sup>th</sup> Cycle) for a period of 6 years (up to June 2025)



Dr. Sunil S. Jalalpure,  
Principal

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Ref. No. KLE/ COP/

Date : 25.11.2024

## Expeditionary Learning

### Department of Pharmacognosy

**Expeditionary Learning in Pharmacognosy:** Development and Validation of QbD-Driven Stability Indicating UV Spectrophotometric Method for Simultaneous Estimation of Trigonelline and Piperine and its Application to Nanoformulation

Expeditionary Learning (EL) is a dynamic educational approach that combines real-world exploration, experiential learning, and research-driven projects. In the Pharmacognosy Department, EL enables students and researchers to actively engage with innovative methodologies, particularly in the development of advanced analytical techniques and their practical applications.

One such initiative involves the **Development and validation of a Quality by Design (QbD)-driven stability-indicating UV spectrophotometric method for the simultaneous estimation of trigonelline and piperine**. This method not only supports the pharmaceutical evaluation of these bioactive compounds but also finds its application in their incorporation into advanced nanoformulations.

### Key Aspects of the Research

#### 1. Significance of Trigonelline and Piperine:

- **Trigonelline**, a bioactive alkaloid from *Trigonella foenum-graecum* (fenugreek), and **piperine**, a major alkaloid from *Piper nigrum* (black pepper), are known for their therapeutic properties, including anti-inflammatory, antidiabetic, and bioenhancing effects.
- The simultaneous estimation of these compounds is critical for understanding their synergistic potential and for quality control of herbal formulations.

#### 2. QbD-Driven Analytical Method Development:

- **Quality by Design (QbD)** emphasizes a systematic, science-based approach to method development, focusing on understanding the critical process parameters and their impact on method performance.
- This research involves identifying critical method attributes (CMAs) such as wavelength selection, solvent choice, and analytical conditions to ensure robust and reproducible results.





### 3. Stability-Indicating Assay:

- The method is designed to distinguish the active compounds from their degradation products under various stress conditions (e.g., light, heat, pH, and oxidative environments), ensuring its reliability in stability studies.

### 4. Nanoformulation Application:

- The validated method is applied to analyze nanoformulations containing trigonelline and piperine, ensuring their quality, stability, and consistent therapeutic performance.
- Nanoformulations enhance the bioavailability and efficacy of these bioactive compounds, aligning with current trends in targeted drug delivery systems.

This research epitomizes Expeditionary Learning by combining field-based exploration, innovative analytical method development, and cutting-edge nanoformulation technologies. The successful execution of this project not only contributes to the field of pharmacognosy but also prepares researchers with the skills and mindset to address complex challenges in natural product research and pharmaceutical sciences.



Head

Department of Pharmacognosy

KLE College of Pharmacy, Belagavi

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Advances in Pharmacology and Pharmacy

**Manuscript Title**

Development and Validation of QbD Driven Stability Indicating UV Spectrophotometric Method for Simultaneous Estimation of Trigonelline and Piperine and its Application to Nanoformulation

**Abstract**

The objective of current research work was to develop quality by design based simple stability indicating UV Spectrophotometric method for simultaneous analysis of trigonelline and piperine and its application to prepared nanoformulation. A simple, cost economic method was developed and validated as per ICH guidelines. Design of experiment was used to optimize the method where sonication time and scanning interval were identified as independent variables and absorbance was considered as dependent variable. A simple 32 full factorial design with 9 runs were used to optimize the method. Water is used as major solvent. The optimized run (10 min sonication time and medium scanning interval) was extensively validated as per ICH guidelines. Forced degradation study also carried out. Furthermore, the devised method was successfully applied for the estimation of drugs in prepared nanoformulation. Based on the result, method was found to be simple, accurate, precise, robust as evidenced by validation parameters which all falls within acceptance limits. A linear relationship was determined between the concentration ranging from 2 to 10 µg/ml, with a regression coefficient of 0.999 for trigonelline (265nm) and piperine (342nm). Both precision assays showed percent RSD less than 2 indicating precise nature of method. The percentage recovery ranged from 99.54 to 101.43 % for trigonelline and 99.88 to 101.83 % indicating promising accuracy. Trigonelline showed LOD and LOQ values of 1.064 µg/mL and 3.22 µg/mL and piperine showed 0.814 µg/mL and 2.46 µg/mL respectively which proves sensitive nature of method. Percent RSD less than 2 indicates the developed method is rugged and robust. Further, acidic basic and oxidative showed degradation in the range 10-19% whereas photolytic assay showed pronounced degradation characteristics (44-52%). Additionally, the developed method was successfully utilized for the estimation of trigonelline and piperine in prepared nanoformulations.

**Keywords**

Quality by Design, Trigonelline, Piperine, UV Spectroscopic, Validation

**Copyright**

No

**History Records**

Date	Latest Status	Editor Comment
2024-11-19	Ready for Acceptance	
2024-09-10	Revision Requested	
2024-07-25	Under Peer Review	
2024-07-23	Initial Screening	Your manuscript has been assigned to editors for initial screening. The outcome of initial screening will be sent to you by Chloe Crawford (preview.hrpub@gmail.com) within 7 business days.
2024-07-19	Submit Success	

**Author Feedback**[Submit](#)[Cancel](#)



# KLE College of Pharmacy, Belagavi.

## Pedagogical Method for Innovative Teaching Learning

### Group Discussion on Cosmetic preparations

B-Pharm 8<sup>th</sup> Sem

Subject: Cosmetic Technology

Subject Incharge: Dr. Bhuvaneshwari Sharannavar

Students are divided into different groups and assigned with some topics and cosmetic preparation hands on training,

#### Group A

1. Praveen Uppin
2. Gangadhar Miled
3. Anurag Pattanashetti
4. Sneha Desai
5. Anushree Uttur

#### Group B

1. Sudeep Koppad
2. Sumit Patil
3. Shridhar Tumari
4. Malagouda Patil

#### Group C

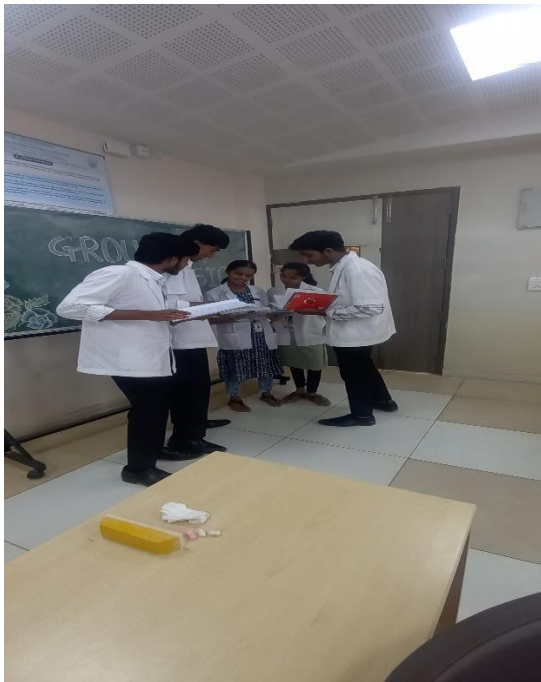
1. Purva Patil
2. Priyanka Saini
3. Pooja Chougala
4. Mitali Kamat

In a lively classroom discussion, students gathered to share their ideas on preparing cosmetics as part of their practical learning. They explored various ingredients, from natural oils to chemical stabilizers and preservatives, debating their benefits and potential side effects. The conversation covered the importance of understanding skin types, ensuring compatibility with diverse users, and adhering to safety regulations. They enthusiastically exchanged insights on creating products like lip balms, moisturizers, and face masks, emphasizing the significance of accurate measurements, hygiene, and packaging to ensure quality and self life.

In an engaging discussion, All groups were shared ideas and insights on preparing cosmetics, focusing specifically on face powder, lipstick, and hair gel. They began with face powder, discussing the use of talc, mica, and kaolin as base materials, along with natural pigments to cater to different skin tones. The students emphasized the importance of achieving a smooth texture and effective oil absorption for a flawless finish. Moving on to lipstick, they discussed blending waxes like beeswax or carnauba with emollient oils and pigments, aiming for a creamy texture, vibrant color, and long-lasting effect. The topic of hair gel sparked interest as they explored gelling agents like carbomers and natural options like flaxseed extracts, focusing on creating a non-sticky, easy-to-apply product with good hold. Throughout the discussion,



they highlighted the importance of quality control, ensuring the formulations were skin-friendly, safe, and in compliance with industry standards.



Finally Small Quiz session was conducted among all three groups and Team A was the winner of competition with highest point scoring.

A handwritten signature in blue ink, which appears to be 'Bluei', is shown on a piece of paper.

Signature of the Staff



**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**Department of Pharmaceutical Chemistry**

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**Differential Learning Method**

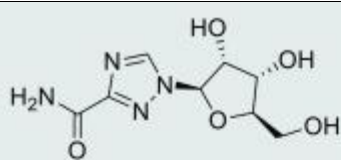
Sl. No .	Particulars	Details
1.	Name of the Differential Learning Method	<b>Inclusive remedial teaching with the topic "Drawing Chemical Structures of Drugs"</b>
2.	Class and Semester	B. Pharm VI Semester
3.	Subject Name	Medicinal Chemistry-III
4.	Date of Conduct	10 May 2024
5.	Name of the teacher	Dr. Shailendra S. Suryawanshi
6.	Details of Game Based Learning Method	The remedial teaching on " <b>Drawing Chemical Structures of Drugs</b> " was successfully conducted, focusing on the differential learning needs of students who were having difficulty in learning the Chemical Structure of Drugs. The teaching has started with a brief revision of foundational concepts, ensuring all students were aligned with the basics of chemical bonds, functional groups, nucleus and structural frameworks. While step-by-step verbal explanations supported auditory learners. Practice activities were tailored to varying skill levels, offering simpler tasks by asking them and practice the structures. Inclusive strategies, such as peer pairing and individual guidance, have been done. Tools like printed handouts and digital resources showed. The teaching method concluded with a summary of key points and resource recommendations for continued learning, demonstrating its success in addressing diverse learning needs.

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**Department of Pharmaceutical Chemistry**

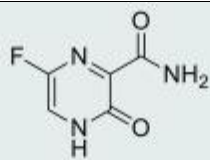
9.	Representative Photographs	Participants
		
		



**KLE COLLEGE OF PHARMACY, BELAGAVI**  
**Department of Pharmaceutical Chemistry**



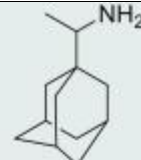
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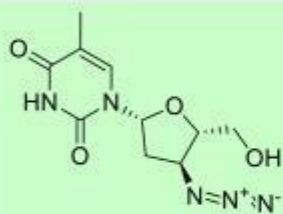
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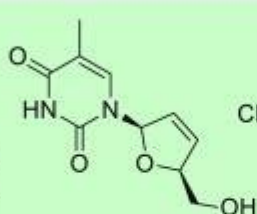
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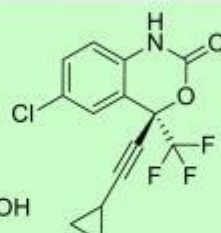
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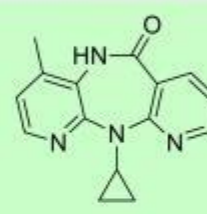
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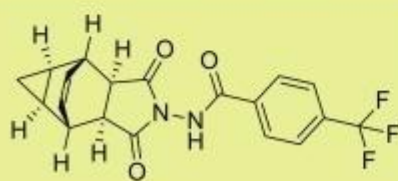
24. Stavudine



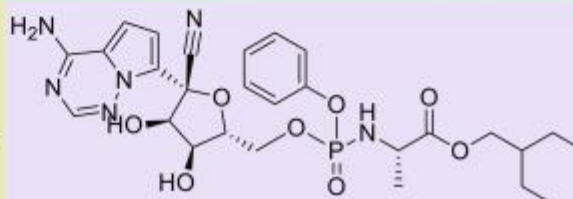
25. Efavirenz



26. Nevirapine



(B) 27. Tecovirimat



28. Remdesivir

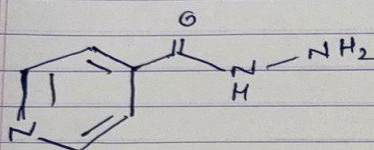


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**Department of Pharmaceutical Chemistry**

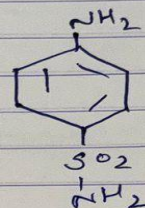
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 Sulphanilamide

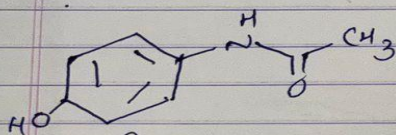
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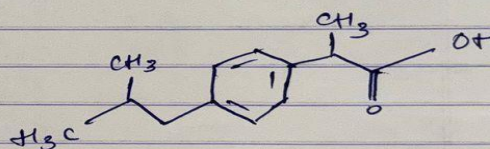
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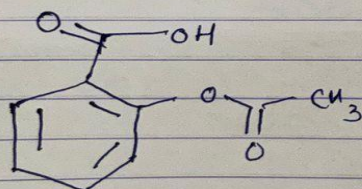
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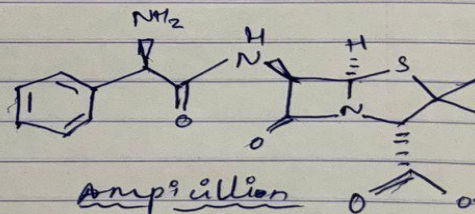
Paracetamol



Ibuprofen



Aspirin



Ampicillin

**Subject In-Charge**

**Dr. Shailendra S. Suryawanshi**

Assistant Professor,  
 Department of Pharmaceutical Chemistry,  
 KLE College

# Pharmaceutical Quality Assurance

## Differential learning methods:

- Peer assisted remedial teaching: The fast learners helping the slow learners by having group discussion. VIIth Semester students on Regulatory Affairs.



Subject Incharge : Dr Anjana Adhyapak

Anjana

# **KLE College of Pharmacy, Belagavi.**

## **Pedagogical Method for Innovative Teaching Learning**

### **Peer Teaching in Pharmaceutical Jurisprudence: A Collaborative Learning Approach**

B-Pharm 5<sup>th</sup> Sem

Subject: Pharmaceutical Jurisprudence

Subject Incharge: Dr. Bhuvaneshwari Sharannavar

#### **Introduction**

Peer teaching is an innovative and effective teaching-learning strategy that fosters collaboration, deeper understanding, and mutual respect among students. In the context of pharmaceutical jurisprudence, where legal concepts, regulations, and ethical practices are key, peer teaching can play a pivotal role in enhancing comprehension and practical application.

#### **The Concept**

In peer teaching, an advanced learner, who has demonstrated proficiency in pharmaceutical jurisprudence, takes on the role of a tutor for a fellow student. This method benefits both the tutor and the learner, as it reinforces the tutor's understanding while simplifying complex concepts for the learner.

#### **Implementation in Pharmaceutical Jurisprudence**

##### **1. Selection of Advanced Learner:**

The advanced learner, well-versed in topics like the Drugs and Cosmetics Act, the Pharmacy Act, and ethical guidelines, is selected to mentor a peer.

##### **2. Setting Objectives:**

Clear learning outcomes are defined, such as understanding key legislations, applying legal knowledge to case studies, or analyzing ethical dilemmas.

##### **3. Interactive Sessions:**

The peer teaching sessions are designed to be interactive, with discussions, case study analyses, and problem-solving exercises. The advanced learner employs teaching aids like charts, presentations, or simplified notes.

**4. Assessment and Feedback:** Both participants engage in quizzes or discussions to assess understanding. Constructive feedback is provided to refine the learning process.

#### **Benefits of Peer Teaching**

**Enhanced Understanding:** The advanced learner solidifies their knowledge while breaking down concepts for the peer.

**Engagement:** The learner feels comfortable asking questions, leading to active participation.

**Collaborative Skills:** Both students develop communication and teamwork skills.



**Practical Insights:** The peer-teaching approach encourages applying theoretical knowledge to practical scenarios in the pharmaceutical field.

### Example Scenario

An advanced learner explains the intricacies of the Drugs and Cosmetics Act to a peer using real-life examples, such as how drug approvals are regulated. They might discuss recent amendments, emphasizing their impact on pharmacy practice. The session concludes with a debate on ethical challenges in pharmacy, stimulating critical thinking.

### Conclusion

Peer teaching in pharmaceutical jurisprudence is a valuable tool to make complex legal concepts accessible. It promotes a deeper understanding of laws and regulations governing the pharmaceutical profession, ensuring students are well-prepared for their professional roles. Through collaboration and shared learning, this method contributes to a dynamic and enriching educational experience.



Team identification in pear learning process

A handwritten signature in blue ink, appearing to read 'Bluea'.

Signature of the Staff



Ref. No. KLE/ COP/

Date : 20/11/2023

**DEPARTMENT OF PHARMACY DIFFERENTIAL LEARNING METHODS**

**REPORT ON ADVANCED ACADEMIC TRAINING PROGRAMME**

**ON**

**BASIC MEDICAL PROCEDURES SKILL COMPETENCY WORKSHOP**

**Objectives:**

The Basic Medical Skill Competency Workshop is a transformative learning experience tailored for participants to acquire essential skills crucial in healthcare. Through hands-on training and expert guidance, the workshop aims to empower individuals with foundational knowledge and practical expertise. The immersive nature of the program is designed to build confidence in fundamental healthcare skills, ensuring participants leave equipped with the necessary tools for success in medical settings.

**The Advanced Academic Training Program:**

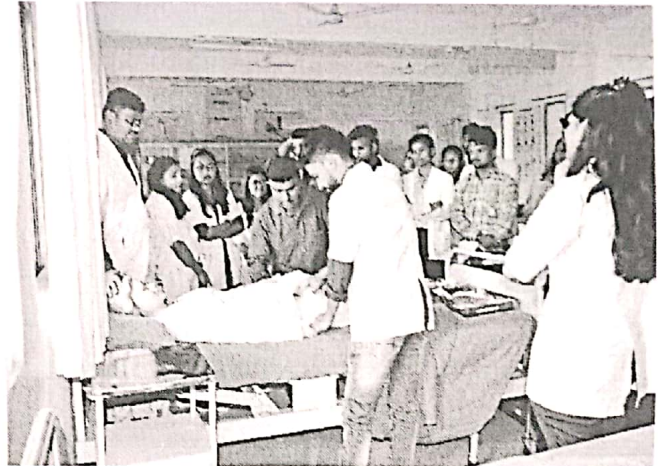
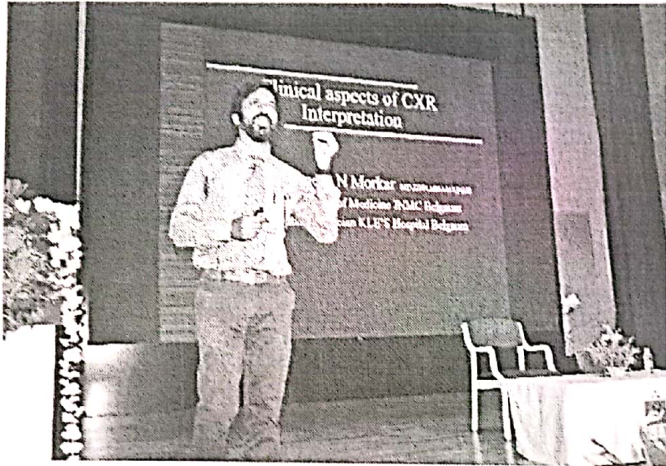
The training-program was opened with Inauguration Function by lightening the lamp by Chief Guest Dr. Sabitha M, Principal, Amrita School of Pharmacy, University of Kochi, Kerala; Dr. Nitin Gangane, Vice Chancellor, KAHER, Belagavi; Prof. (Dr.) Sunil S Jalalpure, Principal, KLE College of Pharmacy, Belagavi; Dr. M.B Patil, Vice-Principal, KLE College of Pharmacy, Belagavi; Dr. M.S. Ganachari, Registrar, Dean and head, Department of pharmacy practice, KLE College of Pharmacy, Belagavi and other delegates.





Dr. Sunil S. Jalalpure,  
Principal

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Dept. of Pharmacy  
Practice  
KLE college of pharmacy  
Belagavi-10

*To Dr. Archana*  
**KLE College of Pharmacy, Belagavi.**

**Department of Pharmacology.**

**REPORT**

Department of pharmacology for the year academic year 2023-24 adopted pedagogical and different learning methods for teaching.

Following are the methods as follows:

1. Skill base learning
2. Technology base learn

**Pedagogical methods:**

**1. Technology-Based Learning Using Simulation-Based Preclinical Study in Pharmacology,**

The learning environment has been completely transformed by the incorporation of technology into education, particularly in subjects like pharmacology. A cutting-edge teaching strategy called simulation-based learning allows students to simulate and examine preclinical research in a virtual setting, leading to a deeper comprehension and application of pharmacological principles.

Modern technology is used in simulation-based preclinical studies to mimic real-world situations, such as toxicity evaluation, pharmacokinetics, pharmacodynamics, and drug development. With the help of these comprehensive and interactive virtual platforms, students may explore different experimental results without having to deal with ethical decisions or practical difficulties that come with utilising live animals. Through the versatility that simulations offer in experimentation, students can alter variables like drug dosages, animal species, and ambient circumstances to thoroughly examine their impacts.

This method's potential to narrow the gap between theoretical understanding and real-world application is one of its main advantages. In a controlled setting, students may



see the rapid effects of drug interactions, which improves their ability to think critically and solve problems. Furthermore, complex pharmacological concepts that are difficult to understand through standard pedagogic methods—like receptor binding, dose-response curves, and adverse drug reactions—are better understood through simulation-based studies.

By providing learners real-time feedback and performance tracking, simulation technology integration also helps teachers. This guarantees a more successful learning experience by enabling tailored instruction and focused improvement. Additionally, these resources are quickly updated to take into account the most recent scientific findings, keeping learners up to date on the most advanced pharmacological procedures.

## **2. Technology based learning:**

Report on Skill-Based Teaching Using Simulation Skill Lab,” Anatomage”

Students can view and manage virtual models in a controlled setting using simulation-based learning, which improves their understanding of challenging concepts. Students can interact with realistic 3D models and resemble a range of physiological and pathological conditions by studying tissues in a skill lab environment. In line with the goals of skill-based education, this approach promotes active learning, critical thinking, and the application of theoretical information in a real-world setting.

Without using cadavers, students can examine the intricate details of human anatomy, including tissues, using Anatomage, a state-of-the-art application that provides a virtual dissection platform. Students may zoom in on certain tissue types, study histological layers, and understand their functions in real time due to its interactive interface and high-resolution images. An accurate and immersive experience is ensured by the incorporation of anatomy into skill laboratories, which makes cellular study precise, interesting, and accessible.

Advantages of Using Simulation and Anatomy in Skill-Based Education

Improved Learning Outcomes: Learners have a practical, comprehensive grasp of tissues structure and function.

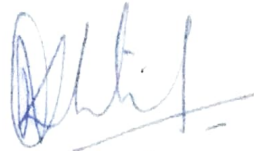
Ethical Considerations: Complies with ethical standards by minimising the necessity for



cadaveric and animal dissections.

Accessibility: Provides all students with an equal learning environment regardless of physical resources.

Innovative Assessment: Enables performance-based assessment of students' specimen analysis and interpretation abilities.



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25/11/2024



GPS Map Camera

KLE Advanced Simulation Centre and Clinical Skill Lab, JNMC, Nehru Nagar,  
Belagavi, Karnataka 590010, India

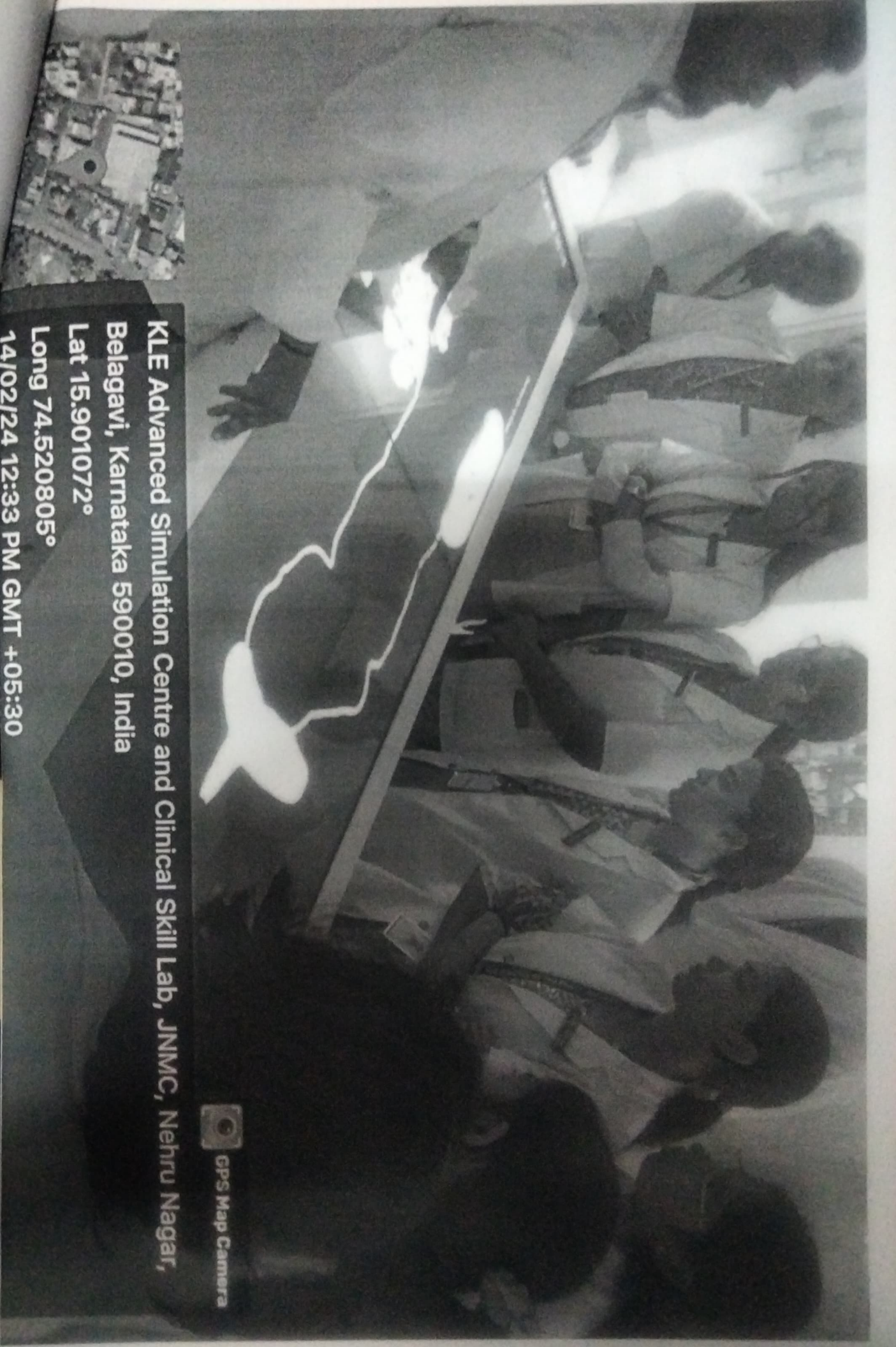
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