

The teaching learning process of the institution nurtures creativity, analytical skills and innovation among students

#### Teaching Learning Methods for Undergraduates that nurtures analytical skills

#### Department of Physiology

Name of the Method	Jigsaw technique
Objectives of the Method	To facilitate active learning among the students
Competencies/Topics addressed by the method	<b>PY 2.10</b> Define and classify different types of immunity. Describe the development of immunity and its regulation.
	PY 10.17 Describe and discuss functional anatomy of eye, physiology of image formation, physiology of vision including colour vision, refractive errors, colour blindness, physiology of pupil and light reflex
Short description of the method	A physiological concept is chosen. It is divided into sub-topics. The students are divided into parent groups, where each student in the parent group is assigned a sub-topic of the chosen concept. Then expert groups will be temporarily formed by having one student from each parent group join other students assigned with the same sub-topic. After discussion among the expert groups, the students will return to their original parent groups. Each student in the parent-group will give a presentation of their concerned sub-topic. As a result, every student will get a holistic view of the chosen physiological concept. Finally, there will be a presentation to the entire batch of students
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	Nil

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## Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)

Enhanced Concept understanding (5) Referral habits (10), Teaching habits (3) Categorization of the topic under study (5) Integration of learnt information with other subjects (4), Time consuming (15) Took time to adapt to this technique (10)

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search article Jigsaw technique as an active learning strategy in Physiology for I MBBS Students

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ABSTRACT

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Introduction and Aim: Innovative learning strategies may be introduced along with the conventional menhance active learning by the students. Jigawi technique is a co-operative learning method, where studend dual role as an active learner and teacher. Hence the present study aimed to introduce and assess the accept the Jigawi technique as an active learner and teacher. Hence the present study aimed to introduce and assess the accept the Jigawi technique as an active learner ming strategy in Physiology for first year medical undergraduates. Methods: Five parent groups were formed from 30 first year medical undergraduates with six members group. Each member in the parent group was allotted as blot-logic in Jimmunity. Members with the same is joined to from the expert groups. After three sessions of fine-face and swinchronous ordine discussions yet duration of three weeks, facilitated by faculty, the students returned to their parent groups for peer teach presentation can be conducted of the presentation was evaluated by faculty with a help of a checklist. I sugarsi technique. Jigawi technique and the presentation was evaluated by faculty with the jof a checklist. I sugarsi technique.

Conclusion: Students consider the learning process enjoyable and effective with Jigsaw technique in Physiology However, owing to the time consumption and its complexity it may be sparingly used in routine curriculum.

Keywords: Active learning, jigsaw technique, medical education, physiology.



Global Journal of Health Sciences and Research



Original Article

UNCLE (Unconventional Learning Exercises): An Innovative approach towards active learning in Physiology for I MBBS students

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Received : 19 December 2022 Accepted: 04 January 2023 Published: 20 February 2023

DOI 10.25259/GRISR\_16\_2022

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Results: The post-test scores (7.7  $\pm$  1.37) were significantly greater than the students reported the method to be insovative, interesting, refreshing, and this method enhanced team work and improved their communication skills.

Conclusion: UNCLE may be considered an effective active learning strate

Keywords: Active learning, Physiology, Unconventional learning exercises

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#### Department of Dermatology

Name of the Method	Image based teaching and assessment
Objectives of the Method	To interpret the images
Competencies/Topics addressed by the method	To identify and diagnose common diseases from the image bank.
Short description of the method	Clinical posting is carried out through images. Images are taken from the department image bank. For each class, 10 to 15 images are selected covering the clinical, complications and laboratorial aspects. At the end of posting, computer assisted - OSCE is conducted in the digital library of our institutions.
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	MCQ based pre test & post test Computer assisted OSCE (CA - OSCE)
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	Students were more attentive in class CA - OSCE is less stressful Objective way of assessment

Image Based Teaching and Computer Assisted – Image Based
Assessment for Undergraduate Medical Students in Dermatology Clinics
amidst the COVID-19 Pandemic: Students' Perspectives
The computer and right existent and right in the control of the consumers discretely (COVID-19) pandemic have caused a glorid disquared and a glorid disquared and the control of the model formerly in the pandemic region of the model for model for the model former in the model form in the model former in the mod

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Name of the Method	Unconventional Learning Exercises (UNCLE)
Objectives of the Method	To facilitate active learning among the students
Competencies/Topics addressed by the method	PY 1.1 Describe the structure and functions of a mammalian cell  PY 1.2 Describe and discuss the principles of homeostasis  PY 1.5 Describe and discuss transport mechanisms across cell membranes
Short description of the method	Students were exposed to unconventional learning exercises through worksheets with critical thinking questions and flashcards with analogies.  It is a form of collaborative learning exercise, where the students work in small groups
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	Pre Test score - $6.24 \pm 1.57$ Post test score - $7.7 \pm 1.37$
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	<ul> <li>- Favoured long term retention</li> <li>- Innovative, interesting and easy learning, quick, interactive learning</li> <li>- Enjoyed the learning process</li> <li>- Refreshing knowledge</li> <li>- Hidden points in the book are discovered</li> </ul>





Compare this analogy to positive feedback mechanism

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### Department of Radiodiagnosis

Name of the Method	Quiz Box for Undergraduates and Postgraduates.
Objectives of the Method	To interpret the image displayed in the quiz box.
Competencies/Topics addressed by the method	To assess the skill in picking up imaging findings.
Short description of the method	<ul> <li>X-ray/CT image is displayed in the quiz box placed in the ground floor (Hospital block), on weekly basis.</li> <li>Answers can be dropped in the adjacent drop box.</li> <li>Prize for winners are given the yearly Roentgen day celebration.</li> </ul>
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	Prize for winners are given the yearly Roentgen day celebration.
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	<ul> <li>Increases the recalling capacity</li> <li>Thought provoking</li> </ul>







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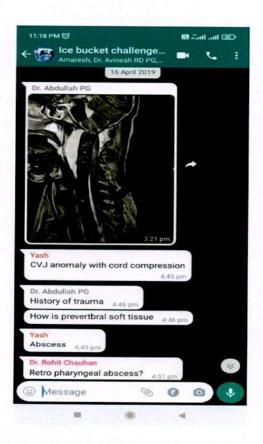
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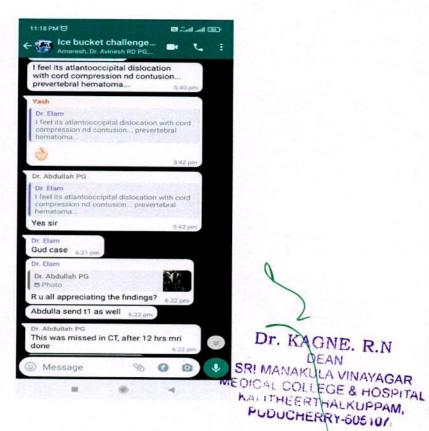
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Name of the Method	Online PG quiz
Objectives of the Method	To assess the ability of the post graduates in interpreting images.
Competencies/Topics addressed by the method	The topics address various imaging systems
Short description of the method	Whats app group has been created in which radiological images are uploaded; Post graduates are encouraged to send the answers, following which the findings and diagnosis would be discussed.
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	No
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	<ul> <li>The post graduates are exposed to various sorts of imaging findings and diagnosis.</li> <li>Thought provoking</li> </ul>





Name of the Method	Concept Mapping
Objectives of the Method	To explain the rule to be followed at the PG Quiz
Competencies/Topics addressed by the method	For case of understanding of rules of the quiz
Short description of the method	Inter-college PG quiz was conducted on 06.11.2021 at MIT auditorium, Sri Manakula Vinayagar Medical College and Hospital. The concept mapping was used to in order to explain the rule to be followed in the quiz, step by step.
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	No
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	Ease of understanding of the rules of the quiz.





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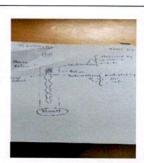


Department of Physiology

Name of the method	Picturing to learn
Objectives of the method	To make the students to get a deeper learning in the class and also to assess the reach of our teaching to the students
Competencies/Topics addressed by the method	Functional anatomy of heart, Mechanism of action of Insulin Peristalsis
Short description of the method	During the teaching of the topic in the lecture class, the concept was explained without showing any related picture. After explanation the students were asked to depict the concept in the form of a picture by drawing in a paper. Correct diagram was shown after that for reference and correction
Assessment done	Based on the correct conceptions and mis conceptions in the diagram the percentage of marks were given for the topic "Route of blood flow through heart and the blood vessels attached to it.  Only 6 students out of 135 students' drawing were more than 90% similar to correct diagram. Two students' drawings were completely wrong. Majority of the students (n=34) depicted 80 – 90 % of the correct diagram. 33 students scores were between 60-70%. 24 and 26 students scored 50 – 60% and 70-80% respectively. 9 students' drawings showed that they conceived below 50% of the explanation
Feedback obtained from the students and Faculty regarding the method	Feedback was not obtained  Dr. RAGNE. R.N

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Name of the Method	Concept Mapping & Mind Mapping
Objectives of the Method	To enrich the students' understanding of a particular concept
Competencies/Topics addressed by the method	PY 2.10 Define and classify different types of immunity. Describe the development of immunity and its regulation.  PY 5.1 Describe the functional anatomy of heart including chambers, sounds; and Pacemaker tissue and conducting system.
Short description of the method	Concept map is a graphic organizer that enables the students to visualize the concepts in a hierarchical fashion and facilitate their understanding of the relationship between the concepts. During the lecture class, the students are instructed to design a concept map, on the difficult concepts of a particular topic.  Students were encouraged to utilise softwares like freemind app

### Department of Anatomy

Name of the method	Concept mapping
Objective of the method	To impart better understanding of the cellular components of histology
Topics addressed by this method	Histology (general and systemic)

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Short description of the method	The class starts with a single topic say "cartilage" it is divided by lines into types, cellular components and are further linked to other components as the discussion proceeds. This graphical linking of concepts reduces the monotony of the lecture and gives a better overview of the subject content
Assessment	Multiple choice questions
Feedback	Useful during the exam revision

### Department of Paediatrics

Name of the method	Spellbee competition
Objective of the method	To explain the spellings and meanings of medical terminology and conditions in Neonatology
Topics addressed by this method	PE20.1 Define the common neonatal nomenclatures including the classification and describe the characteristics of a Normal Term Neonate and High Risk Neonates PE20.6 Discuss the etiology, clinical features and management of Birth asphyxia PE20.7 Explain the follow up care for neonates including Breast Feeding, Temperature maintenance, immunization, importance of growth monitoring and red flags PE20.8 Discuss the etiology, clinical features and management of respiratory distress in New born including meconium aspiration and transient tachypnoea of newborn PE20.10 Discuss the etiology, clinical features and management of Hemorrhagic disease of New born PE20.12 Discuss the temperature regulation in neonates, clinical features and management of Neonatal Hypothermia PE20.13 Discuss the temperature regulation in neonates, clinical features and management of Neonatal Hypoglycemia PE20.15 Discuss the etiology, clinical features and management of Neonatal seizures PE20.16 Discuss the etiology, clinical features and management of Neonatal seizures

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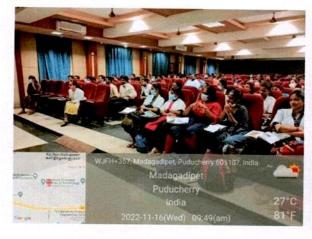
# Short description of the method

As a part of National Newborn Week celebration by Department of Pediatrics, Sri Manakula Vinayagar Medical College and Hospital, Puducherry conducted "SPELLBEE COMPETITION" for final year MBBS students. This was done considering the fact that due attention is not being paid by the students to the spelling of medical terms and names. Also, this was an interesting way to explain the meaning of various conditions in Neonatology. Initially 10 students had given their names for participation and the competition was started with them facing the audience. The terms were displayed using a PowerPoint presentation which was visible to the audience, who were enthusiastically watching. The students who got the spellings wrong were eliminated one by one. The meaning of terms were explained by the moderator of the session (Dr.T.Preethi, Assocciate Professor), which encompassed a variety of "must know" topics as part of CBME curriculum under Neonatology subdivision. The session was found to be so interesting by the students that another two sets of 10 students each also requested on spot and the competition went on.

The winner N. Jayapraba and runner up Aishwarya Shri M, were awarded their prizes during Valedictory function held at the end of the Newborn week celebration.

#### Feedback

Feedback in the form of questionnaire was obtained and the students scored high for this format of teaching which was found to be interesting and they wanted more similar, novel teaching methods.





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### Department of Anatomy

Name of the method	Animation based teaching
Objective of the method	To impart better three-dimensional orientation and understanding of the anatomical structures
Topics addressed by this method	Inguinal canal Pterygopalatine fossa
Short description of the method	Based on the rough sketches, schematic animations were designed in Microsoft PowerPoint software using Mayer's multimedia principles to minimize the intrinsic cognitive load. To provide depth perception to the animation, colour transparency variations in the shapes or dotted lines were used. Arrow tools were used to represent the direction or path of the anatomical structures. The topographical orientation to the animation was explained using arrows on the top right corner of the slide. Important terms related to the class were introduced before the animation. The various components of the animation were brought on sequentially and the related concepts were explained to augment the visual content.
Assessment	Multiple choice questions
Feedback	Complicated concepts were explained in a simple and understandable way,     Less monotonous and felt less sleepy

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# The influence of learning style in understanding analogies and 2D animations in embryology course

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Abstract: Undergraduate students struggle to comprehend embryology because of its dynamic nature. Studies have recommended using a combination of teaching methods to match the student's learning style. But there has been no study to describe the effect of such teaching strategy over the different types of learners. In the present study, an attempt has been made to teach embryology using the combination of analogies and simple 2D animations made with Microsoft powerpoint software. The objective of the study is to estimate the difference in academic improvement and perception scale between the different types of learners after introducing analogies and 2D animation in a lecture environment. Based on Visual, Aural, Read/ Write, and Kinesthetic (VARK) scoring system the learners were grouped into unimodal and multimodal learners. There was significant improvement in post-test score among the unimodal (P<0.001) and multimodal learners (P<0.001). When the posttest score was compared between the two groups, the multimodal learners performed better the unimodal learners (P=0.018). But there was no difference in the perception of animations and analogies and long-term assessment between the groups. The multimodal learners performed better than unimodal learners in short term recollection, but in long term retention of knowledge the varied learning style didn't influence its outcome.

Key words: 2D animations, Analogy, Learning style, Student's perception

#### Department of Biochemistry

Name of the Method	Rewarding system in Learning process
Objectives of the method	To address the problem of low scores in very short answer questions (VSAQ)
Competencies / Topics addressed by the method	Minerals
Short description of the method	The VSAQ in the concerned topic was displayed on the notice board, a week prior to the day of activity. Students were instructed to prepare answers for the questions displayed and they were informed about rewards they get by answering the questions.  On the day of activity the students were divided into small groups. All the students were given equal opportunity to answer the questions.  Based on the performance, students were rewarded with marks ranging from -2 to +2.  These marks scored by the students were included in IA.
Any kind of assessment done with the use of the method (Pretest / Posttest)	No
Feedback obtained from the students and Faculty regarding the method (Mention the key points, upto 5)	Feedback obtained. Helped the students to complete the topic for the exam. Scores improved in VSAQ Strengthening of knowledge in desirable to areas was. KACNE. effectively done
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# Department of Otorhinolaryngology

Name of the Method	MCQ Framing by Interns	
Objectives of the Method	<ul> <li>To encourage the CRRIs in advanced learning</li> <li>To enhance MCQ answering skills among the intern</li> <li>To encourage interns' preparation for upcoming entrance exams</li> <li>To increase involvement and interest in ENT subject among interns</li> </ul>	
Competencies/Topics addressed by the method	- MCQs in ENT	
Short description of the method	- CRRIs posted in ENT are encouraged to write and submit MCQ questions on particular topics during their 2 weeks posting in ENT	

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Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	<ul> <li>MCQs and answers are discussed and queries are answered by the faculties.</li> </ul>
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	<ul> <li>Interns felt that MCQs are a good way of preparation for Entrance exams</li> <li>Posting-related MCQs help to retain the points better</li> <li>MCQ submission helps in boosting their entrance preparation speed and helps to utilize the time better.</li> </ul>

Name of the Method	Online Class- Interactive Activities during the Class     To break the monotony of the lecture and increase students' interest in the topic     To promote attentive listening among students     To improve diagram drawing and concept understanding	
Objectives of the Method		
Competencies/Topics addressed by the method	<ul> <li>Post-nasal Examination</li> <li>Indirect laryngoscopy examination</li> </ul>	

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### Short description of During the class, students are asked to draw the diagrams the method with specified findings and share with the class. \* D B & D I 💿 The diagrams are assessed by the faculty and corrections Any kind of assessment done are explained in the class. with the use of the method (Ex: Pretest/ Posttest) Feedback obtained Feedbacks are obtained after each class using Google Classroom from the students Drawing the diagram gives better understanding of the and Faculty topic regarding the Improves the diagram skills method Corrections made are helpful (Mention the key Increases the attentive span during class points, up to 5)

Department of Obstetrics & Gynaecology

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Name of the method	Student - Generated Multiple Choice Questions to Enhance Team - Based Learning	
Objectives of the method	To provide equal opportunity for all students to participate for an interactive educative session.	
Competencies/Topics addressed by the method	<ol> <li>Hyperemesis gravidarum</li> <li>Management of a Rh incompatible pregnancy</li> <li>Causes for jaundice during pregnancy</li> </ol>	
Short description of the method	Topic of discussion was given on previous day and students were instructed to study the topic. Students were divided iinto small groups. Each group was allotted different topics and each student were asked to prepare two questions in 30 minutes duration. All the multiple-choice questions are combined and quiz was conducted.	
Assessment done	No	
	<ul> <li>Students felt that session was more interactive and engaging.</li> <li>Even the introvert students came out for discussion in this technique.</li> </ul>	
regarding the method		







Name of the Method	Learning by MCQ preparation
Objectives of the method	To acquire in-depth knowledge on the concerned topic To enhance team work
Competencies / Topics addressed by the method	Nutrition, Protein Chemistry, Acid Base balance
Short description of the method	This activity was done in Online mode Students were divided into small groups and topics were allotted. Each group had a facilitator. The students were asked to prepare MCQ on the allotted topic as a team and to be presented in the online stage.
Any kind of assessment done with the use of the method (Pretest / Posttest)	No
Feedback obtained from the students and Faculty regarding the method (Mention the key points, upto 5)	Working as a team enhanced their knowledge Got in-depth knowledge on the topic Knowledge sharing

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Name of the method	Focused Small Group Discussion & Presentation	
Objectives of the method	1. To bring up the students individual participation skills fo	
	learning the given topic in a better way.	
	2. To make students improve their responsibility skills.	
Competencies / topics	1. Autonomy, 2. Health care as a right, 3. Toxicology	
addressed by the method		
Short description of the	Entire class will be divided into small equal groups of 5-6 students	
method	per group. Each group will be given one topic or problem based	
	scenario and time will be given to discuss on the given topic with	
	each person being given one sub-topic to prepare. There will be	
	one student acting as a GROUP LEADER and one student acting	
	as a TIME KEEPER who will monitor the group activities. At the	
	end of the given time the students will be presenting on the given	
	topic or scenario in the group.	
Any kind of the assessment	Pre-test and post-test will be done on the given topic before and	
done with the use of the	after the focused small group discussion.	
method (Ex: Pretest / Post-		
test)		
Feedback obtained from the	Following feedback were obtained both from students and	
students and faculty	faculties:	
regarding the method	1. Students have expressed that this method have improved their	
	responsibility as they take various roles.	
	2. Also students have overcome the fear of presenting in front of	
	other students.	
	3. Faculties were able to see every students have better retaining of	
	the topic when they get motivated by peer discussion.	



Name of the method	DEBATE
Objectives of the method	1. To make the students update their knowledge on the current
	and latest trends in the field of forensic medicine.
	2. To improve the communication skills of the students.
Competencies / topics	1. Sexual offences
addressed by the method	2. Recent trends in Forensic medicine
	3. Legal cases in relation to Forensic Medicine
Short description of the	Voluntarily willing students will be asked to pick from the list
method	of topics available for the session one month before itself.
	Each student will be allotted to faculty to guide in preparing the
	debate session points.
	One week before the session students will be given resource
	materials collected by the debate speakers for reference reading.
	Along with the topic session debate will be conducted for a
	specific time period with voting for the best speaker followed
	by certificate distribution.
Any kind of the assessment	Assessment is done in the form of pre-test and post-test before
done with the use of the	and after the session.
method (Ex: Pretest / Post-	
test)	
Feedback obtained from the	Following feedback were obtained both from students and
students and faculty	faculties:
regarding the method	1. Students expressed that they felt confidence in themselves
	after delivering the session.
	2. They were able to get a 360 picture about the various issues in
	the given topic.
	3. Faculties were able to find out to what extent a student can go
	in depth to learn the trends in the given topic.

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#### Department of Otorhinolaryngology

Name of the Method	Quiz
Objectives of the Method	<ul> <li>To encourage the students in advanced learning</li> <li>To enhance MCQ answering skills among the students</li> <li>To enhance students' interest in the subject</li> </ul>
Competencies/Topics addressed by the method	Rhinology
Short description of the method	<ul> <li>This was a quiz conducted on Rhinology</li> <li>Prelims were conducted in the theory class, and best 4 teams were selected</li> <li>Quiz was conducted based on MCQs and Images</li> <li>Audience questions were also included to enhance participation of rest of the students</li> </ul>
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	- Preliminary responses were corrected and correct answers were discussed  Best 1 <sup>st</sup> and 2 <sup>nd</sup> teams were selected based on the scores.
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	<ul> <li>Students felt Quiz was helpful for them in understanding Rhinology better</li> <li>MCQ questions were very helpful</li> <li>More time was desired for preparation for quiz Students want more quiz programs to be conducted, on frequent intervals</li> </ul>



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Name of the Method	Online Quiz	
Objectives of the Method	<ul> <li>To encourage MCQ answering skills</li> <li>To enhance interest of students in the subject</li> <li>To promote higher order thinking</li> </ul>	
Competencies/Topics addressed by the method	- ENT general Quiz	
Short description of the method	This was an Online quiz conducted on ENT on LMS platform Quiz was conducted based on MCQs  This was an Online quiz conducted on ENT on LMS  Particular to the Conducted to the	
	BANNOH E-Learning  ENT  Devidues / My course / BNT / BNT QUEZ / BNT GENERAL QUEZ  Fladges  General  Campartenoes  General  Allationary AND PHYSICOCOY OF NOSE  Physiology of Inner ner  Summary of your previous attempts  Attempt  State  Artempt  State  Review  Review  Bandons  Attempt  State  Review  Review  Review  Review  Review	
Any kind of assessment done with the use of the method (Ex: Pretest/Posttest)	Scores were given on the Online Quiz	
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	-	

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### Department of Ophthalmology

UG quiz
To assess the knowledge and awareness of eye donation among the students
Eye donation
Preliminary test was conducted based on MCQ Five teams were selected based on the marks scored Quiz was conducted to the selected team using PPT Winners were awarded
Nil
Students showed interest to participate They felt their knowledge improved on the topic concerned They also felt now they will be able to educate public about eye donation Faculty-Found it an interesting method to teach the students







### Postgraduates

### Department of Obstetrics & Gynaecology

Name of the method	PG quiz	
Objectives of the method	To check the in depth understanding of the postgraduates on that particular topic.	
Competencies/Topics addressed by the method	<ol> <li>Contraception</li> <li>Postpartum haemorrhage</li> <li>Gynecological cancers</li> </ol>	
Short description of the method	Quiz is usually conducted in a monthly basis. Topic of the quiz for the month will be announced one month earlier. Quiz will be framed in Kahoot. Each topic nearly 30 questions framed. Quiz was conducted for PGs in basement auditorium. Winner of the quiz was awarded at the end.	
Assessment	Nil	
Feedback obtained from the students and Faculty regarding the	PG students felt they developed interest in learning the topics in depth before quiz for winning in competition  They felt indepth understanding of topic happens, as they are encountered with difficult questions	
method	They go back and check the points again after quiz	

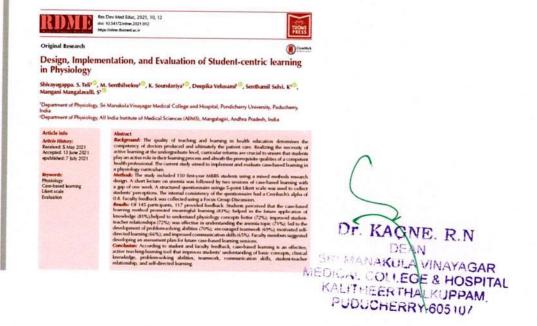




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#### Department of Physiology

Name of the method	Case Based Learning  To make the students to learn the applied conditions of physiology by discussing a case scenario  All the systems in physiology	
Objectives of the method		
Competencies/Topics A addressed by the method		
Short description of the method	Each tutorial group were divided into small groups with five students in each group. They were given a case scenario in a paper with the specific learning objectives. The students were asked to discuss and learn the information specified in the objectives. They were allowed to use any source of information to learn. The teacher's role was only to facilitate learning. At last, one student was asked to give an overview of what they learnt through discussion.	
assessment done	No assessment was done	
Feedback obtained from the students and Faculty regarding the method	Feedback was obtained from students. The main responses were  1. Made the learning clear  2. More time should be given for discussion	



#### Department of Biochemistry

Name of the Method	Chart based learning
Objectives of the method	To enhance the knowledge of the students in applied biochemistry As a part of revising the clinical biochemistry for university exam preparation
Competencies / Topics addressed by the method	BI11.17
Short description of the method	Charts are prepared for various disorders and applied aspects of biochemistry All the charts will be taught by the faculty in large groups, only in the beginning. Thereafter, students will be made into small groups and each chart will be discussed among them, where faculty will act as facilitator.
Any kind of assessment done with the use of the method (Pretest / Posttest)	No
Feedback obtained from the students and Faculty regarding the method (Mention the key points, upto 5)	Feedback obtained. Students felt easy to crack the answers for applied/clinical questions asked during the university / internal exams. Enhanced their confidence on clinical biochemistry

An edematous baby with puffiness of face, distended abdomen and leg swelling was brought with the history of recurrent respiratory tract infection. His investigations revealed

#### In Blood

Total protein Albumin

: 5.0 gm/dl : 2.5 gm/dl Total Cholesterol : 350 mg/dl

In Urine

\_; 3.8 gm/day

Protein RBCs

\_; 1 to 2 cells/ HPF

WBCs \_; 2 to 3 cells/ HPF

- a. What is the diagnosis for this baby?
- b. Mention the type of proteinuria present in this case
- c. What is the cause for hypoproteinemia?
- d. What is the reason for High cholesterol level in this patient?

#### Read the following parameters and answer the questions

Blood: Total bilirubin : 0.6 mg/dl

Direct bilirubin

: 0.1 mg/dl

Indirect bilirubin

: 0.5 mg/dl

Urine: Bilirubin

: Negative Urobilinogen : Normal color compared to control

Bile salts

: Negative

- a. Interpret the chart
- b. Mention the test to detect Urine Bilirubin.
- c. Name the test to estimate serum bilirubin levels?
- d. Name the protein which on break down forms bilirubin.

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#### Department of Obstetrics & Gynecology

Name of the method	Capsule presentation
Objectives of the method	<ol> <li>To improve the Knowledge about common medical procedures done on daily basis</li> <li>Use of drugs in Obstetric Emergencies.</li> </ol>
Competencies/Topics addressed by the method	Antihypertensives  Eclampsia management  Post Exposure prophylaxis  Bladder catheterisation, Ryles tube insertion,  Bowel Preparation  PPH management
Short description of the method	CRRI's were made to present short capsule talks on the above mentioned topics and the procedure elaborated by the faculty for better understanding. Drug dosage calculation, Contraindications, Side effects, precaution to be followed were discussed in detail
Any kind of assessment done	Nil
Feedback obtained from the students and Faculty regarding the method	CRRI's found the capsule discussion helpful for routine patient care.





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# Department of General Medicine

Name of the method	Buzz group- 'Ace this case'
Objectives of the method  Competencies/topics addressed by this	<ul> <li>To nurture higher order thinking</li> <li>To facilitate group interactions, develop problem-solving skills, encourage team work and develop a healthy learning atmosphere.</li> <li>Student should be able to analyze the given</li> </ul>
method	scenario /case study and discuss with his/her peers and present in a forum confidently.
Short description of the method	<ul> <li>A case study complex enough to kindle deep learning will be prepared by a senior level faculty. This will be provided to groups consisting of 5 students 48 hours prior to the day of discussion. The members of each group will present their approach and discuss.</li> <li>At each level investigations, imaging and further information will be provided to the group on the spot and new discussions will happen.</li> <li>This will be moderated by the senior faculty.</li> <li>Final diagnosis will be arrived and other faculty will give their inputs.</li> </ul>
Any kind of assessment was done with the use of this method.	Yes –Each discussion is assessed as a group.
Feedback obtained from students and faculty regarding the method? Mention the key points up to 5.	<ul> <li>Feedback from students obtained.</li> <li>We learnt to approach a case in a systematic manner and differentials.</li> <li>We were able to have active discussions.</li> <li>Provoked our team spirit.</li> <li>We were made to read in depth and parallel learning happened.</li> <li>We would like to have such discussions with other specialty postgraduate and faculty.</li> </ul>

#### Department of Dermatology

Name of the Method	Virtual grand rounds
Objectives of the Method	To interpret and analyze the findings in the case sheets
Competencies/ Topics addressed by the method	To present common cases from case sheets in COVID era.
Short description of the method	Every week, or Thursday, one resident is asked to present a case to faculty through old case - record. They are given a schedule well in advance. Faculty read about approach to me case, differential discussion, management.
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	Details discussion of a case Helpful in university exam preparation

#### Letter to the Edite

Metamorphosis of "Traditional Grand Rounds" to "Virtual Grand Rounds Amidst the COVID-19 Pandemic: A Cross-Sectional Survey among the Dermatology Packers (Inc.)

Orand results (ORL) are considered to be a nine-house whiten conducted as a weakly educational activity is made reaching includes and in the control of the conduction of the

The minimenance of importunt records in the Medical Exceeds Department (MED) mathles may reviewed of old case records for accidentic purposes. In our department, it is in customarry to take serial clinical photographs of the abuntued patients every day to monator their clinical within. Care in takes in concent the patients' identity, and they have proposed to the contract of the photographs are stored in a designated folder in our department database with postword restrictions providing

In VOR. of neutral said residents. As the control of the control of the volume of the

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A cross-sectional survey was conducted with a secondary of the conduction of the con

All the residents who had attended the ORA session completed the questionance (response state = 100%). To misma attendance responded over the 24 decisions was 0% a to 100 misma attendance respected over the 24 decisions are tabulars as Table 1. The students of the state of the attendance of the attendance of VOR. including ease of pressurance of the attendance of VOR. including ease of pressurance proportionary to provide variety of cases, and adequacy of

time for decreasing.

According to Statement Medical Communication perigraduate According to Statement Medical Communication perigraduate control of the communication of the com

knowledge (\*\*OES adopties the serious) of all fevels provide recent updates in different control of a provide provide recent updates in different control of a provide recent updates in different control of a provide a classics to originate new knowledge and skills Moreaver, there is even a direct that OES may be at rick or completely vanishing in the forms.

In our varyer, we received welcoming feedbacks to the muattributes of the VOE. The laminations of the survey such

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Name of the Method	Problem based learning
Objectives of the Method	To analyze and interpret the case scenarios
Competencies/ Topics addressed by the method	Difficult case scenarios
Short description of the method	Every month residents are given 4 – 5 case scenario and are made to solve it. They are asked to write prescription for that scenario. Their management skills are assessed
Any kind of assessment done with the use of the method (Ex: Pretest/Posttest)	Each resident is encouraged to solve a different scenario
Feedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	<ul> <li>Helps in imaging different case scenario</li> <li>Sharing of experience by the faculty of difficult cases</li> </ul>

Name of the Method	Clinicopathological Case Discussion
Objectives of the Method	To discuss the challenging clinicopathological cases
Competencies/ Topics addressed by the method	To acquire basic knowledge in diagnosis of dermato pathological cases.  Approach towards difficult to diagnose dermato pathological slides.
Short description of the method	Every month, dermatology and pathology department faculty are resident assemble and discuss about 8 to 10 cases which are interesting and rare. Exchange of knowledge takes Place between two departments.
Any kind of assessment done with the use of the method (Ex: Pretest/Posttest)	-
Feedback obtained from the students and Faculty regarding the method  (Mention the key points, up to 5)	Helps the resident to familiarize common and rare dermatology cases.  Aids in approaching various reaction patterns

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# Teaching Learning Methods for Undergraduates that nurtures creativity

### Department of Otorhinolaryngology

Name of the Method	<ul> <li>Model Preparation and Demonstration</li> <li>To nurture creativity among the students</li> <li>To impart better understanding of the difficult concepts</li> <li>To promote learning from Peers</li> <li>To improve presentation skills among students</li> <li>To enhance team-work capacity among students</li> </ul>	
Objectives of the Method		
Competencies/Topics addressed by the method	Various ENT topics including anatomy, physiology, diseases, clinical examination	
Short description of the method	- During the clinical postings, students were encouraged to prepare and present Models on Various ENT topics, using easily available materials - Students presented and explained the Models to their peers, and faculties - Discussions were held on each topic and queries were answered - Suggestions for improvement of models were given  **Alltheerthalkuspam, Puducherry, India **PUDITIONAL Malltheerthalkuspam, Puducherry, India **PUDIT	
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	<ul> <li>Models were presented to the senior faculties; the positive and to-be-improved aspects were discussed with each student</li> </ul>	
eedback obtained from the students and Faculty regarding the method (Mention the key points, up to 5)	Google forms  - Students were very actively involved and were very enthusiastic about model preparation  - Gave in depth understanding of topic  - Helped identify their creativity side!	

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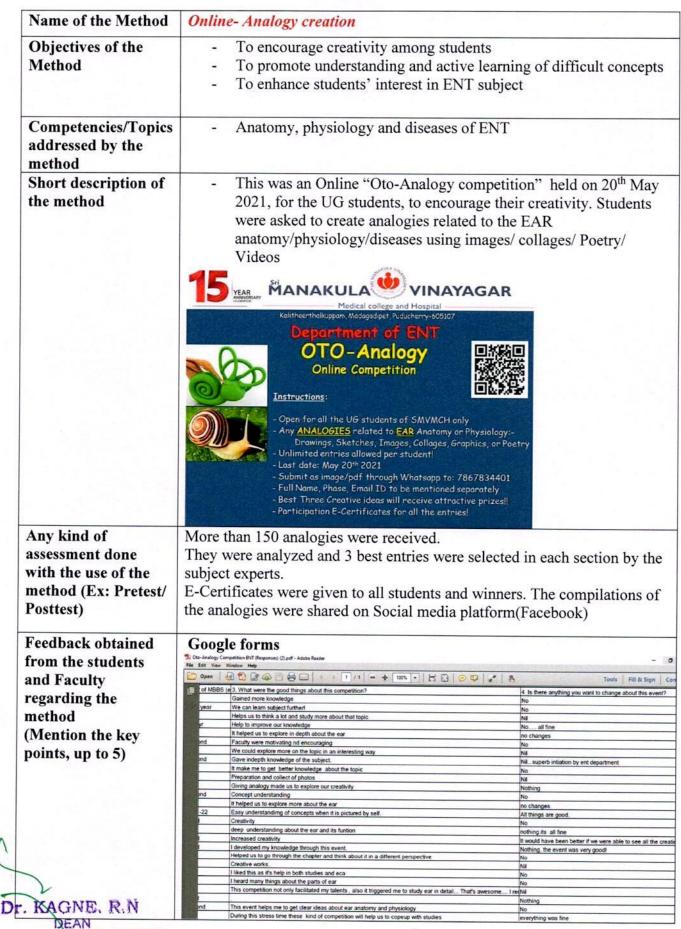
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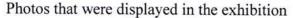


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#### Department of Community Medicine

#### World Rabies Day Photo contest - 2022

On behalf of World rabies day, Department of Community Medicine conducted a photo contest for MBBS student from first year to final year based on various categories for rabies in our college. Students submitted their photos through soft and hard copy. All the photographs along with description were displayed on 28th of September marking the World Rabies Day. Best photographs were selected by Dr.Karthikeyan (Dean academic and HOD of dermatology, Dr.Suryakumari (HOD of Anatomy department), and Dr.Sanjay (HOD, Department of Dermatology). Winners were awarded with cash prize as First prize -Rs.1500, Second prize-Rs.1000 and Third prize-Rs.500 by Dr.Kagne (Dean) and Dr.Kalaiselvan (HOD of community medicine) on the same day at 4.00pm. E-certificate was distributed to all the participants.







Students enthusiastically seeing the exhibition







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#### Department of Biochemistry

Name of the Method	PLAKAT
Objectives of the method	To help students to develop broad
	knowledge on inborn errors of metabolism
Competencies / Topics addressed by the	Inborn errors of metabolism and disorders
method	related to Vitamins
Short description of the method	All 150 students will be sorted into groups
	and topics on inborn errors of metabolism
	will be allotted to the groups in a random
	manner.
	Each group will be allotted faculties as
	facilitators.
	Students should prepare charts on their
	given topics and should display on the
	competition day.
	Top three groups will be selected based on
	their content, creativity and their answers to
	the topic related questions asked and prizes
	distributed.
Any kind of assessment done with the use	No
of the method (Pretest / Posttest)	
Feedback obtained from the students and	It created interest and developed broad
Faculty regarding the method (Mention	knowledge on in born errors of metabolism
the key points, upto 5)	among the students
	Students learned to work as a team
	Got chance to interact with experienced
	doctors (Judges) and to learn from them.

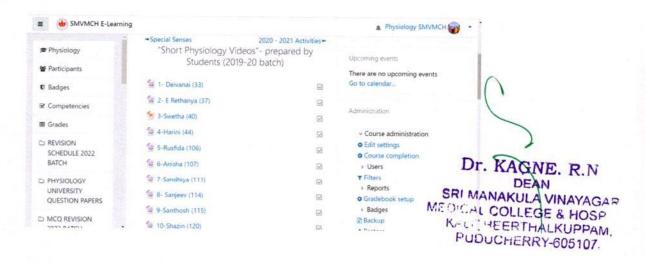




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#### Department of Physiology

Name of the Method	Short video presentation by students
Objectives of the method	To enhance concept understanding in Physiology
Competencies / Topics addressed by the method	PY6.1 to PY 6.10 (Respiratory Physiology)
Short description of the method	All 150 students of the batch were divided
	into 5 groups with one faculty as an
	instructor. Students were required to develop
	e-content in the form of a video that was later
	posted in the Learning Management System.
	Feedback and experiences were collected
	through a pre-designed Likert scale
	questionnaire, Kirkpatrick model 1. Open-
	ended questions were also administered. The
	quantitative data were analyzed using open
	Epi info version 7.0. The manual content
	analysis was done for the open-ended
	questions.
4 1:10	
Any kind of assessment done with the use of the method (Pretest / Posttest)	No
Feedback obtained from the students and	Increased my conceptual learning
Faculty regarding the method (Mention the	Improved my confidence levels
key points, upto 5)	New experience Refer more books and internet
	Improves presentation skills



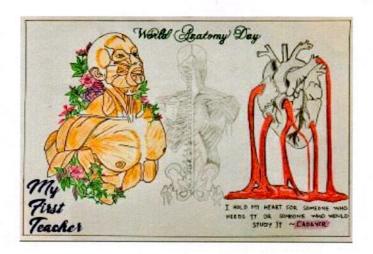
#### Department of Anatomy

#### Learning through Art

Department of Anatomy, SMVMCH organized world Anatomy Day celebration on 23<sup>rd</sup> October 2021. The theme was: Remembering my first teacher. The students presented their idea on importance of their first teacher - cadaver through their skills like Elocution, Painting, Role play, Rangoli, Poetry. Dr.A.Arul selvan ,Assistant professor of surgery delivered guest lecture on importance of cadaveric Dissection . The skills of the participants were assessed and the winners were awarded. Dr.Arul selvan and Mrs.Senthamizh Selvi were the assessor. Miss. Jennifer John and Mr. Hani Abdul Rasheed & team won the first and second prize.











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## Topics for Jigsaw technique

## Choose any one topic among the following to be learnt through Jigsaw technique

## 1. Transport Across the Cell Membrane

- √a. Introduction to cell membrane, need for transport mechanisms, classification
- ✓b. Simple diffusion and facilitated diffusion
- c. Osmosis
- d. Filtration
- /e. Primary active transport
- f. Secondary active transport

#### 2. Immunity

Nishanha. Definition, classification of immunity with examples By

Nisha b. Introduction to lymphoid organs B2

Nithisk c. Cell mediated immunity B3

AAshish d. Humoral Immunity B4

Fichice. Role of immunity in organ transplantation BJ

Deepilat. Applied Bb

#### 3. Hemostasis

- a. Definition, Importance and steps in hemostasis
- b. Primary hemostasis
- c. Secondary hemostasis
- d. Fibrinolytic system
- e. Drugs
- f. Applied

#### 4. Nerve physiology

- a. Structure of a neuron and their functions
- b. Classification of nerve fibers
- c. Excitability and conductivity in a nerve fiber
- d. All or none law, refractory period, infatiguability and accommodation
- e. Compound action potential and its clinical uses
- f. Nerve degeneration and regeneration

#### 5. Structure of skeletal muscle

- a. Light microscopic feature
- b. Electron microscopic feature
- √ c. Sarco-tubular system
  - d. Types of skeletal muscle fibers
  - e. Motor unit
- f. Differences between skeletal, smooth and cardiac muscle fibres.

#### 6. Neuromuscular junction

- a. Structure
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- c. Events in NMJ
- d. Drugs acting at NMJ
- e. Applied aspects

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#### 7. Mechanism of skeletal muscle contraction and relaxation

- a. Role of sarco-tubular system in excitation contraction coupling
- b. Molecular basis of contraction
- c. Molecular basis of relaxation
- d. Isometric and Isotonic contraction
- e. Rigor Mortis
- Electromyography

#### 8. Cardiac cycle

- a. Definition, duration, phases
- b. Ventricular pressure changes
- c. Phlebogram and sphygmogram
- d. Volume changes
- e. ECG and phonocardiogram
- f. Overview with diagram

#### 9. Cardiac output

- a. Definition , normal values, terminologies
- b. Distribution and factors affecting cardiac output
- c. Heterometric regulation I
- d. Heterometric regulation II
- e. Homometric regulation
- Influence of HR and peripheral resistance

#### 10. Blood pressure

- a. Definition, normal values, terminologies
- b. Factors affecting BP
- c. Short term regulation
- d. Intermediate mechanisms of regulation
- e. Long term regulation
- f. Applied

## 1. Mechanics of Respiration

- a. Introduction to respiratory system and Phases of respiration
- b. Mechanics of Inspiration
- c. Mechanics of Expiration
- d. Pressure and Volume changes during the phases of Respiration
- e. Work of Breathing
- f. Pulmonary Surfactant

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Kindly consider the following points for content analysis of the student's presentation in their respective topics

1.	Introduction, Classification of Immunity with examples
	Name of the student: Aranachalam
3/5	Definition and the importance of Immunity  Classification of Immunity  Illustration of each type with suitable examples  Introduction to different terminologies related to Immunity  Role of Inflammation in Immunity
2.	Name of the student: M&, S. Nandana
4/5	Classification of Lymphoid Organs  Functional anatomy of Lymphoid Organs  Functions of individual lymphoid organs  Clinical significance of lymphoid organs
3.	Cell Mediated Immunity Name of the student: Mr. A. Manoj kumar
2/5	Types of T cells  Functions of each type of T cell (Including NK cells)  Pre Processing of T lymphocytes  Mechanism of Cell Mediated Immunity  Clinical Significance
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#### Group Activity Assessment Scale

Name of the Student:

UMAR LATHIF (EI)

Title

: INTRODUCTION

TO IMMUNITY

Coordinator

: DY. M. SENTHILVELDU

Please rate the items in the scale below from (1- Strongly disagree to 5 – Strongly agree) to show your agreement or disagreement with items about the student's performance in group activity.

(1 - Strongly disagree, 2- Disagree, 3 - Neutral, 4 - Agree, 5- Strongly agree)

1.	Takes Initiative	① 2 3 4 5
2.	Listened to and showed respect for opinion from others	1 2 3 4 5
3.	Communicated his/her ideas clearly	1 2 3 4 5
4.	Provided information relevant to the context	1 2 3 4 5
5.	Used multiple resources for gaining information	1 2 3 4 5
6.	Participated actively in the group task	1 2 3 4 5

Signature of the Coordinator

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## Topics for Jigsaw technique

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#### 2. Immunity

- a. Definition, classification of immunity with examples Arcunachalam. KA1
  b. Introduction to lymphoid organs B. Nanchana. S 22
- c. Cell mediated immunity A. Hang Kumal A3
- d. Humoral Immunity R. Marroj Awind Ay

  e. Role of immunity in organ transplantation R. Mishway a As f. Applied Aspana . 5 Ab

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- d. Fibrinolytic system
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#### 6. Neuromuscular junction

- a. Structure
- b. Motor unit
- c. Events in NMJ
- d. Drugs acting at NMJ

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f. Electromyography

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4.	Humoral Immunity
	Name of the student: Mr. Manoj Aravinal
	Pre Pocessing of B lymphocytes
	Mechanism of Humoral Immunity
31	Types of antibodies and their significance
12	Mechanism of action of antibodies
	Clinical Significance
5.	
	Name of the student: Ms. R. Alswarya.
	Introduction and role of immunity in organ transplantation
	Types of Transplants
X1 -	Mechanism of transplant rejection
1/5	Prevention of transplant rejection
	Note on Immunological tolerance/Surveillance
6.	Applied Aspects
	Name of the student: Ms. Aspana J.
	Allergy/ Hypersensitivity disorders
G	Immunodeficiency states
1/2	Autoimmune disorders
	Drugs for Immune enhancement
	Drugs for Immunosuppression

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#### Group Activity Assessment Scale

Name of the Student: B. JAYA VISTIHWA (DI)

Title : INTRODUCTION TO IMMUNITY

Coordinator : DY. M. SENTHIL VELOU

Please rate the items in the scale below from (1- Strongly disagree to 5 – Strongly agree) to show your agreement or disagreement with items about the student's performance in group activity.

(1 - Strongly disagree, 2- Disagree, 3 - Neutral, 4 - Agree, 5- Strongly agree)

1. Takes Initiative	1 2 3 4 5
2. Listened to and showed respect for opinion from others	1 2 (3) 4 5
3. Communicated his/her ideas clearly	1 2 3 4 5
4. Provided information relevant to the context	1 2 3 4 5
5. Used multiple resources for gaining information	1 2 3 4 5
6. Participated actively in the group task	1 2 3 4 5

Signature of the Coordinator

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PONDICHEERY - 605 107

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SRI MANAKULA VINAYAGAR MEDICAL COLLEGE & HOSPITAL KALITHEERTHALKUPPAM, MADAGADIPET, PUDUCHERRY-585 107.

#### Group Activity Assessment Scale

Name of the Student: N. SARVESHWARA RAD GUPTA (C1)

Title : INTRODUCTION TO IMMUNITY

Coordinator : DY. M. SENTHILVELOU

Please rate the items in the scale below from (1- Strongly disagree to 5 – Strongly agree) to show your agreement or disagreement with items about the student's performance in group activity.

(1 - Strongly disagree, 2- Disagree, 3 - Neutral, 4 - Agree, 5- Strongly agree)

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4 (3)
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MEDICAL COLLEGE & HOSPITAL
KALITHEERTHALKUPPAM,
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## Group Activity Assessment Scale

Name of the Student: K. ARUNACHALAM (A)

Title : Introduction to immunity

Coordinator : DY. SENTHILVELOU

Please rate the items in the scale below from (1- Strongly disagree to 5 – Strongly agree) to show your agreement or disagreement with items about the student's performance in group activity.

(1 - Strongly disagree, 2- Disagree, 3 - Neutral, 4 - Agree, 5- Strongly agree)

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Signature of the Coordinator

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MEDICAL COLLEGE & HOSPITAL
KALITHEERTHAL KUPPAM
PONDICHEERY - 605 107

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#### Group Activity Assessment Scale

Name of the Student: B. NISHANTH (BI)

Title : INTRODUCTION TO IMMUNITY

Coordinator : DY. M. SENTHILVELOU

Please rate the items in the scale below from (1- Strongly disagree to 5 – Strongly agree) to show your agreement or disagreement with items about the student's performance in group activity.

(1 - Strongly disagree, 2- Disagree, 3 - Neutral, 4 - Agree, 5- Strongly agree)

1.	Takes Initiative	1 2 3 4 5
2.	Listened to and showed respect for opinion from others	1 2 3 4 5
3.	Communicated his/her ideas clearly	1 2 3 4 5
4.	Provided information relevant to the context	1 2 3 4 5
5.	Used multiple resources for gaining information	1 2 3 4 5
	. Participated actively in the group task	1 2 3 4 5

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#### Topics for Jigsaw technique

#### Choose any one topic among the following to be learnt through Jigsaw technique

#### 1. Transport Across the Cell Membrane

- a. Introduction to cell membrane, need for transport mechanisms, classification
- b. Simple diffusion and facilitated diffusion
- c. Osmosis
- d. Filtration
- e. Primary active transport
- f. Secondary active transport

# Soundarya Madan Batch

#### 2. Immunity

- a. Definition, classification of immunity with examples Savary Cg.
  b. Introduction to lymphoid organs Savary Cg.
- c. Cell mediated immunity Gertangali C3
- d. Humoral Immunity I ya janani C4
  e. Role of immunity in organ transplantation Saikuma C5-
- f. Applied Hemachand Co

#### 3. Hemostasis

- a. Definition, Importance and steps in hemostasis
- b. Primary hemostasis
- c. Secondary hemostasis
- d. Fibrinolytic system
- e. Drugs
- f. Applied

#### 4. Nerve physiology

- a. Structure of a neuron and their functions
- b. Classification of nerve fibers
- c. Excitability and conductivity in a nerve fiber
- d. All or none law, refractory period, infatiguability and accommodation
- e. Compound action potential and its clinical uses
- f. Nerve degeneration and regeneration

#### 5. Structure of skeletal muscle

- a. Light microscopic feature
- b. Electron microscopic feature
- c. Sarco-tubular system
- d. Types of skeletal muscle fibers
- e. Motor unit
- f. Differences between skeletal, smooth and cardiac muscle fibres.

#### 6. Neuromuscular junction

- a. Structure
- b. Motor unit
- c. Events in NMJ
- d. Drugs acting at NMJ
- TRUE COPY ATTESTED e. Applied aspects
  - f. Electromyography

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## 7. Mechanism of skeletal muscle contraction and relaxation

- Role of sarco-tubular system in excitation contraction coupling
- b. Molecular basis of contraction
- c. Molecular basis of relaxation
- d. Isometric and Isotonic contraction
- e. Rigor Mortis
- Electromyography

#### / 8. Cardiac cycle

- a. Definition, duration, phases
- b. Ventricular pressure changes
- c. Phlebogram and sphygmogram
- d. Volume changes
- e. ECG and phonocardiogram
- f. Overview with diagram

#### /9. Cardiac output

- a. Definition , normal values, terminologies
- b. Distribution and factors affecting cardiac output
- c. Heterometric regulation I
- d. Heterometric regulation II
- e. Homometric regulation
- f. Influence of HR and peripheral resistance

#### 10. Blood pressure

- a. Definition, normal values, terminologies
- b. Factors affecting BP
- c. Short term regulation
- d. Intermediate mechanisms of regulation
- e. Long term regulation
- f. Applied

## 11. Mechanics of Respiration

- a. Introduction to respiratory system and Phases of respiration
- b. Mechanics of Inspiration
- c. Mechanics of Expiration
- d. Pressure and Volume changes during the phases of Respiration
- e. Work of Breathing
- f. Pulmonary Surfactant

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- c. Cell mediated immunity Kaviyasree D3
- d. Humoral Immunity Kavethika Dy
- e. Role of immunity in organ transplantation Kauthikeyan Ds
- f. Applied Katheravan . Dh

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- Jula janumi businessed -

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TRUE COPY ATTESTED d. Drugs acting at NMJ

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MAYAGAR MEDICAL COLLEGE & HOSPITAL KALITHEERTHALKUPPAM, MADAGADIPET, PUDUCHERRY-605 107.

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#### Feedback for Jigsaw Technique

 Kindly comment on the impact of Jigsaw technique over the learning habits of the study participants

2. What were the merits and demerits of this Jigsaw technique?

S.No	Merits	Demerits
		1

- 3. Kindly comment on the feasibility of applying this "Jigsaw technique" during the routine academic sessions
- 4. What do you think could be the possible suggestions/solutions to overcome the difficulty in implementing the "Jigsaw technique"?

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5. Any other comments...

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	RESPONSES
	Enhanced deeper understanding of the topic and its basic concepts
Learning experience & its	Motivated intensive study/ extensive research on a topic
implications	Improved working skills
Impleations	Enhanced problem solving capability
	Learnt to sort out things and frame a plan
	Enhanced referral of books
	Learnt to arise questions and framing answers
	Learnt patience, confidence
	Increased creativity
	Understood the difficulty behind a model preparation
	Demands beforehand preparation and thorough understanding of the subject
	How to present in a simple, easily understandable manner
	Learnt electrical, technical, craft work
	Learnt many other topics to understand a particular topic
	Helps to gather points during revision
	Learnt to prepare seminars in the concerned topic
	Learnt how to be specific in selection of topics/preparation
	Enhanced long term memory
	Increased practical application, and also application of knowledge in exams
	Improved Visual learning/ A visual treat
	Helped to understand terminologies
	Increases concentration and zeal of research
	Improved understanding of team members
Experience working as	Improved understanding of team members
The second of th	Increased communication skills
group	Learnt hardwork with smart work
	Learnt to express own thoughts
	Learnt to co-operate, self-acceptance of each other
	Understood individual responsibility
	Sharing of ideas, Knowledge
	Time management
	Learnt to obtain guidance
	Learnt to guide
	Different ideas in a common platform improved creativity
	Learnt organizing a work
	Learnt segregation of work, in a group
	Fun filled learning
	Learnt to adjust with team member's mind set
	Vague concepts can be made interesting
	Identified hidden talents
	Difficult topics can be made easy
	Prizes stimulated the spirit
Merits of model	
preparation	Improved memory
** [*C-805]5550 [F	Learnt team work
	Added essence to the subject
	Increased creativity
	Learnt to enjoy reading

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MEDICAL COLLEGE & HOSPITAL
KALITHEERTHAL KUPPAM,
MADAGADIPET, PUDUCHERRY-605 107.

#### Feedback for Jigsaw Technique

 Kindly comment on the impact of Jigsaw technique over the learning habits of the study participants

i) They learns how to organize a topic before presentation ii) They learns how to get involved in a group discussion iii) They learns to collect information from various

2. What were the merits and demerits of this Jigsaw technique?

S.No	Merits	Demerits
١	communication skills	Time consuming.
2	Additurial information about the topic.	No opportunity to relate the topic clinicall
3.	Learning is a group	
4-	Depta 2 understanding	
	presentation objectively	

3. Kindly comment on the feasibility of applying this "Jigsaw technique" during the routine academic sessions

Applied topics can be given for this technique. Presentation can be in any form (eg) Role play. Skit (allows ponticipation) all Students).

4. What do you think could be the possible suggestions/solutions to overcome the difficulty in implementing the "Jigsaw technique"?

Presentation Should be out of working hours (May be 2.00-2.30) every day (5 days for 5 topics) x one topic per day.

The topic should be related to a pateont. The topic should give space for analytic ty tree contained to a should give space for analytic ty tree contained to a should give space and students and the involved.

SRI MANAKULA VINAYAGAR
MEDICAL COLLEGE & HOSPITAL
KALITHEERTHALKUPPAM,
MADAGADIPET, PUDUCHERRY-505 107.

#### Feedback for Jigsaw Technique

Share your learning experience with the Jigsaw technique.

This technique was informative and helped to revise topics in a better and more interactive way.

2. What were the new qualities you acquired during this learning process?

I learnt how to better categorize the topic that was given to me.

3. In what way do you think it may be useful for your future learning?

Through this technique, I had a clearer idea of the topic and now I'm better able to understand it. It will be useful while revising the topic in the Ruture.

4. Share your experience when working as a group.

In a group, I was surprised to find that many of us shared similar ideas on how we wanted to present the topic and the Contents of the topic. It was easier to get along with everyone and we were able to finalise the contents of our topic in just one meeting

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Time consuming
Place allotted for exhibition was not appropriate
Resources for model preparation were not easily available
Practically not applicable for all concepts
Lack of cooperation from other team members
Couldn't concentrate on routinely conducted internal assessments-(3)
Participants couldn't see other models
Could be clubbed along with poster presentation also
Need to face multiple failures during preparation
Difficult to execute the imagination
Merits and demerits of each model should have been displayed
Need extensive planning/ ground work

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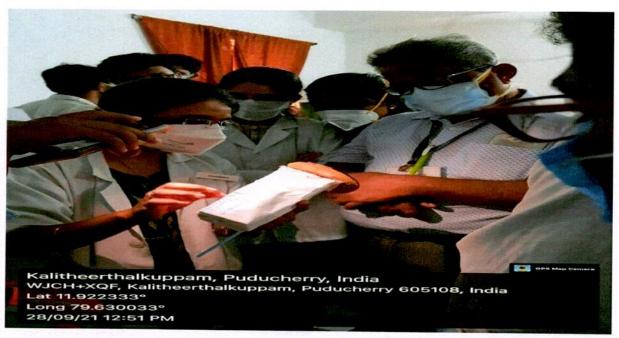


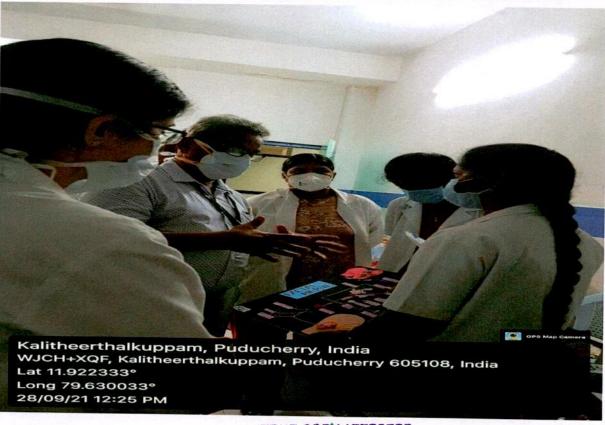
#### Department of Otorhinolaryngology

Name of the Method	Online- Analogy creation			
Objectives of the Method	<ul> <li>To encourage creativity among students</li> <li>To promote understanding and active learning of difficult concepts</li> <li>To enhance students' interest in ENT subject</li> </ul>			
Competencies/Topics addressed by the method	- Anatomy, physiology and diseases of ENT			
Short description of the method	<ul> <li>This was an Online "Oto-Analogy competition" held on 20<sup>th</sup> May 2021, for the UG students, to encourage their creativity. Students were asked to create analogies related to the EAR anatomy/physiology/diseases using images/ collages/ Poetry/ Videos</li> </ul>			
Any kind of assessment done with the use of the method (Ex: Pretest/ Posttest)	More than 150 analogies were received.  They were analyzed and 3 best entries were selected in each section by the subject experts.  E-Certificates were given to all students and winners. The compilations of the analogies were shared on social media platform (Facebook)			
Feedback obtained from the students and Faculty regarding the method	Google forms Enhanced creativity among the students Helped students learn the concepts easily Students enjoyed the learning process			

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DEAN SRI MANAKULA VINAYAGAR MEDICAL COLLEGE & NOSPITAL KALITHEERTHAL KURPAM, MADAGADIPET, PUDUCHERRY-505 107. Dto-Analogy Competition ENT (Responses) (2).pdf - Adobe Reader File Edit View Window Help Tools Fill & Sian Comment of MBBS (e 3. What were the good things about this competition? 4. Is there anything you want to change about this event? Gained more knowledge No vear We can learn subject further! Helps us to think a lot and study more about that topic Nil Help to improve our knowledge No.... all fine It helped us to explore in depth about the ear no changes bnd Faculty were motivating nd encouraging No We could explore more on the topic in an interesting way Nil ond Gave indepth knowledge of the subject. Nil...superb intiation by ent department It make me to get better knowledge about the topic Preparation and collect of photos Giving analogy made us to explore our creativity Nothing ond Concept understanding No It helped us to explore more about the ear no changes -22 Easy understanding of concepts when it is pictured by self. All things are good. Creativity deep understanding about the ear and its funtion nothing its all fine Increased creativity It would have been better if we were able to see all the creations I developed my knowledge through this event. Nothing, the event was very good! Helped us to go through the chapter and think about it in a different perspective No Creative works Nil I liked this as it's help in both studies and eca No I heard many things about the parts of ear No This competition not only facilitated my talents, also it triggered me to study ear in detail... That's awesome.... I redNil Nothing This event helps me to get clear ideas about ear anatomy and physiology

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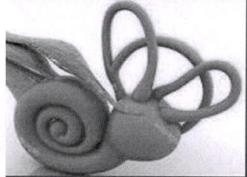
During this stress time these kind of competition will help us to copeup with studies ond No everything was fine 22.49 x 15.90 in < Type here to search MEDICAL COLLEGE & HOSPITAL KALITHEERTHALKUPPAM,

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Medical college and Hospital

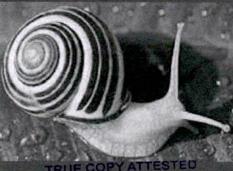
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# OTO-Analogy Online Competition



## Instructions:



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KALITHEERTHALKUPPAM,
MADAGADIPET, PUDUCHERRY-605 107.

- Open for all the UG students of SMVMCH only
- Any <u>ANALOGIES</u> related to <u>EAR</u> Anatomy or Physiology:-Drawings, Sketches, Images, Collages, Graphics, or Poetry
- Unlimited entries allowed per student!
- Last date: May 20th 2021
- Submit as image/pdf through Whatsapp to: 7867834401
- Full Name, Phase, Email ID to be mentioned separately
- Best Three Creative ideas will receive attractive prizes!!
- Participation E-Certificates for all the entries!

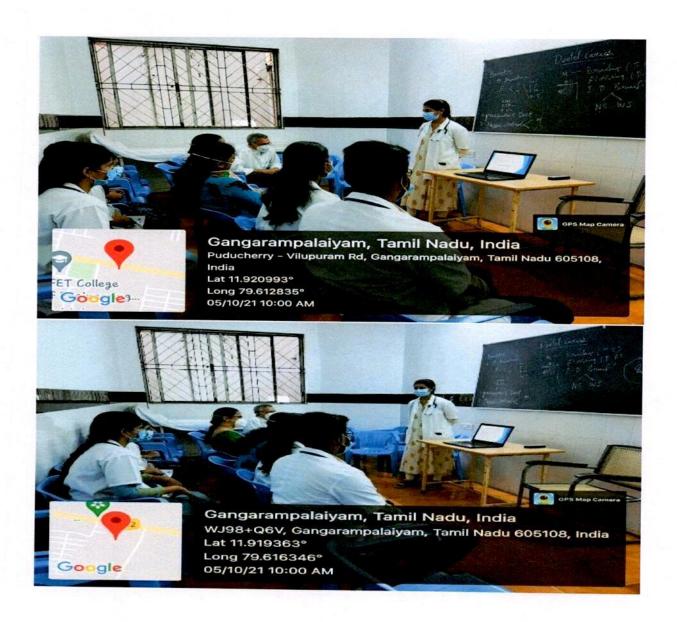


#### Department of Obstetrics and Gynaecology

#### REPORT: CAPSULE PRESENTATION

Name of the method	Capsule presentation		
Objectives of the method	<ol> <li>To improve the Knowledge about common medical procedures done on daily basis</li> <li>Use of drugs in Obstetric Emergencies.</li> </ol>		
Competencies/Topics addressed	Antihypertensives		
by the method	Eclampsia management		
	Post Exposure prophylaxis		
	Bladder catheterisation, Ryles tube insertion,		
	Bowel Preparation		
	PPH management		
Short description of the method	CRRI's were made to present short capsule talks on the above mentioned topics and the procedure elaborated by the faculty for better understanding. Drug dosage calculation, Contraindications, Side effects, precaution to be followed were discussed in detail		
Any kind of assessment done	Nil		
Feedback obtained from the students and Faculty regarding the method	CRRI's found the capsule discussion helpful for routine patient care.		

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Outward No: SMVMCH / OBG / PG-Sche./ 723 / 2021

Date: 24.09.2021

## DEPARTMENT OF OBSTETRICS & GYNAECOLOGY PG TEACHING SCHEDULE FOR THE MONTH OF OCTOBER – 2021

Date	Day	Topic	Presenter	Moderator
01.10.2021	Friday	Antihypertensives(Capsule presentation) Eclampsia management (Capsule presentation)	Dr. Preethi. N Dr. Priadharshni. R	Dr. Bupathy
04.10.2021	Monday	Lecture – Abortions	All PG's	Dr. Poomalar
05.10.2021	Tuesday	Tutorials - Bony Pelvis	All PG's	All Faculties
06.10.2021	Wednesday	Group discussion - DUB	All PG's	All Faculties
07.10.2021	Thursday	Journal club	Dr. Priadharshni. R	Dr. Jayasree
08.10.2021	Friday	Post exposure prophylaxis(Capsule presentation)	Dr. Preethi. N	Dr. Nivedita
11.10.2021	Monday	Lecture - Infertility	All PG's	Dr. Jayasree
12.10.2021	Tuesday	Scientific Society meeting	All PG's	All Faculties
13.10.2021	Wednesday	Seminar – Puberty disorders	Dr. Subhasri, S	Dr. Nivedita
15.10.2021	Friday	PPH management (Capsule presentation)	Dr. Priadharshni. R	Dr. Jayasree
18.10.2021	Monday	Lecture - CPD	All PG's	Dr. Nivedita
20.10.2021	Wednesday	Seminar – CPD in labour	Dr. Priadharshni. R	Dr. Jayasree
21.10.2021	Thursday	Journal club	Dr. Preethi. N	Dr. Bupathy
22.10.2021	Friday	Insulin dosing (Capsule presentation) Shoulder dystocia (Capsule presentation)	Dr. Subhasri. S Dr. Ashachandran, R	Dr. Poomalar
25.10.2021	Monday	Lecture - AUB	All PG's	Dr. Bupathy
26.10.2021	Tuesday	Interdepartmental meeting	All PG's	All Faculties
27.10.2021	Wednesday	Death Audit	All PG's	All Faculties
28.10.2021	Thursday	Log Book / Thesis review	All PG's	All Faculties
29.10.2021	Friday	Uterine inertia (Capsule presentation) Retained placenta (Capsule presentation)	Dr. Preethi. N Dr. Priadharshni. R	Dr. Poomalar

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Professor & Head Department of Obstetrics & Gynecology

Dr. M.JAYASREE, D.N.B.,MRCOG Ros, No: 61748 PROFESSOR & HEAD Department of Obstetrics & Gynaecology Sri Manakula Vinayega: Mcdcal College & Hospital Kaltheerthalkupparr, Madogadpst, Puducherry-605 107 Medical College and Hospital

## DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

## Feedback Analysis Report of Capsule Presentation

#### Students feedback:

- PG's found the capsule discussion helpful for routine patient care.
- As it is a short presentation, preparation time required is very less and presentation can be done as a part of rounds.
- Helps in developing in depth knowledge on important aspects of care.

#### Areas of improvement:

Discussing practical points will be more useful that restricting to theory discussion.

#### Suggestions:

 PGs has to discuss with faculties before preparing for capsule presentation for fine tuning the points to be presented.

> Prof. & Head Dept. of Obstetrics & Gynecology

Dr. M.JAYASREE, D.N.B. MRCO.
Reg. No: 61745
PROFESSOR & HEAD
Department of Obstatrics & Cyrusecology
of Leastful Visyagar Medical Cologs & Handle
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# Department of Biochemistry I MBBS (2019 – 20)

Revised Schedule for Revision Classes (Sep - Oct 2020)

Date: 06.10.2020

Date	Day	Theory Topic	Charts	
22.09.2020	Tues	Enzymes	Enzymes	
23.09.2020	Wed	Fat Soluble Vitamins	Dyslipidemia	
24.09.2020	Thurs	Water Soluble Vitamins	Myocardial Infarction, Gout	
25.09.2020	Fri	ETC, Carbohydrate Chemistry		
26.09.2020	Sat	Carbohydrate Metabolism	Carbohydrate charts	
28.09.2020	Mon	Carbohydrate Metabolism	Diabetes Mellitus	
29.09.2020	Tues	MCQ presentation (Enzymes, Vitamins, ETC, CHO Chem & Metabolism)		
30.09.2020	Wed	Viva (Enzymes, Vitamins, ETC, CHO Chem & Metabolism)		
08.10.2020	Thurs	Nucleic acid Chem & Metabolism	Thyroid disorder, pancreatitis	
09.10.2020	Fri	Molecular Biology	RFT	
10.10.2020	Sat	Function tests (Liver, Thyroid, Adrenal, Kidney)		
12.10.2020	Mon	Detoxification, Free Radicals and Antioxidants	Acid Base balance and imbalance	
13.10.2020	Tues	MCQ (NA chem. & Meta + Molecular Biology & Tech + Detoxification + Free radicals & Antioxidants)		

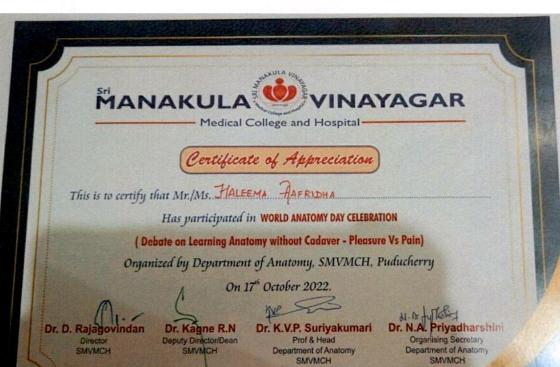
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MADAGADIPET, PUDUCHERRY-605 107.





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2.3. J.d Supp doament

# Department of Pathology

#### Lesson plan

Name of faculty: Dr.Vimal. M

Batch: 2020 batch

Date: 18.11.2022

Time: 3.00 - 4.00 pm

Duration of session: 1 hour

Competency No & Topic: PA: 27.5, Myocardial infarction

Teaching learning method adapted: Problem based learning

Objective: At the end of the theory session the Phase II MBBS students should be able to

a. Describe about etiopathogenesis and morphology of ischemic heart disease

b. Describe about diagnostic tests and complications of ischemic heart disease

Time	Content	T-L method
10 minutes	Pre test	Answer sheets
5 minutes	Case scenario of myocardial infarction	Chart
5 minutes	Introduction about ischemic heart disease	The second con-
15 minutes	Etiopathogenesis and morphology of ischemic heart disease	Small Group
10minutes	Clinical features, diagnostic tests and complications of ischemic heart disease#	discussion
10 minutes	Post test	Answer sheets
5 minutes	Summary	Orally and by interaction

Signature of Faculty

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PROFESSOR & HEAD DEPARTMENT OF PATHOLOGY SMVMC & H PUDUCHERRY

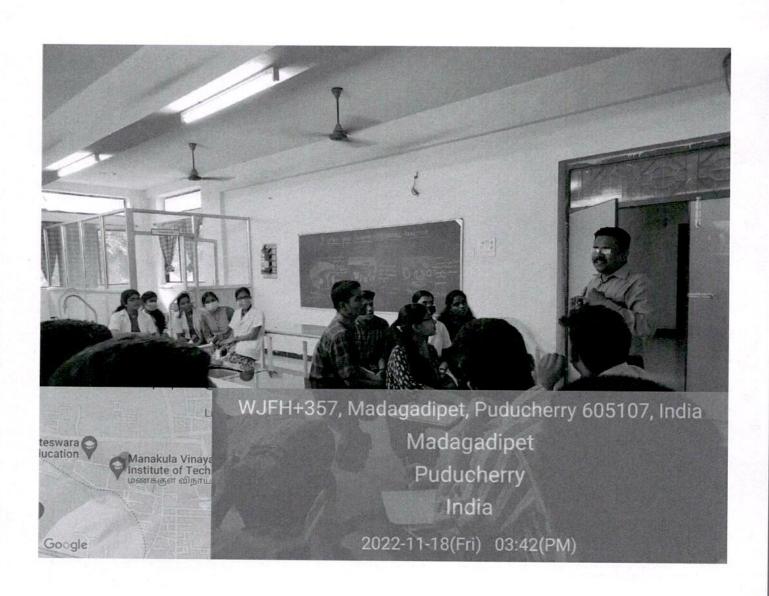
# Competency No & Topic: PA: 27.5, Myocardial infarction

Date: 18.11.2022

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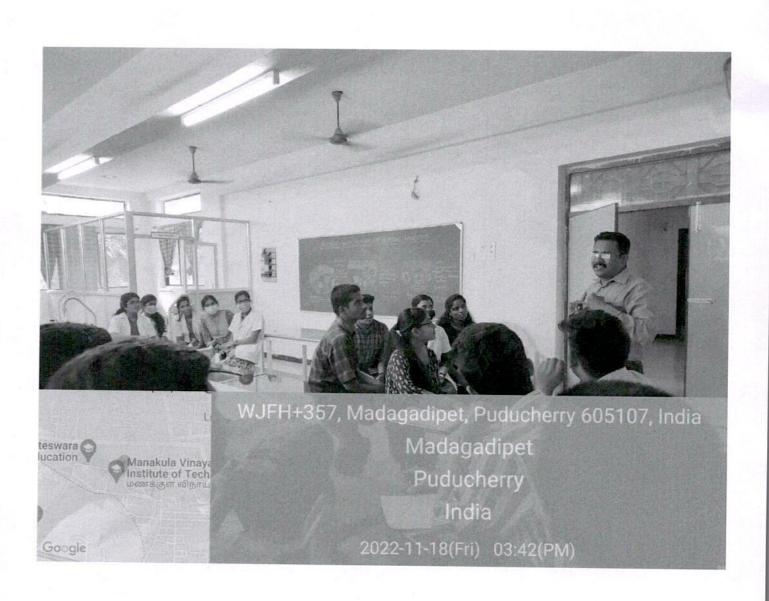
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# Access this article online

Website: www.jehp.net

DOI:

10.4103/jehp.jehp\_544\_20

# Student support system for medical undergraduates: A qualitative exploration of stakeholder perspectives

Mourouguessine Vimal, Amol Rambhau Dongre<sup>1</sup>, Anandabaskar Nishanthi<sup>2</sup>, Rajendrakumar Nivaratirao Kagne<sup>3</sup>

#### Abstract:

BACKGROUND: The demands and learning challenges in medical schools are not efficiently overcome by all learners. Despite the gravity of the problem, there is a dearth of studies to identify, define, and address the needs of learners. Thus, the present study was designed to do a situational analysis to identify and define the problems of learners and to develop a model for student support system in our institution.

MATERIALS AND METHODS: A phenomenological type of qualitative research was undertaken. One-to-one in-depth interviews (IDIs) were conducted, 10 each among undergraduate medical students, faculties and parents (n = 30) to understand the problems of students and their suggested solutions from each one's perspective. The interviews were audio-recorded, transcribed verbatim, and manual thematic analyses were performed.

RESULTS: Manual thematic analysis of the transcripts yielded 16 subcategories and 7 categories. The various categories that emerged are (1) curriculum related; (2) interpersonal adjustment problems; (3) personal issues and family problems; (4) cognitive learning disabilities; (5) poor organizational skills; (6) students' lack of motivation; and (7) miscellaneous. Based on the problems and their suggested solutions, a model for the essential components of a student support system for our college was developed. It outlines the principal roles of four key stakeholders, namely students, faculties, parents, and college administration.

CONCLUSION: It has been found that students face various academic problems, personal, interpersonal and family level issues. We developed the support system model suitable for our context. In future, it may be implemented and evaluated to check if it achieves the desired purpose.

Learners' problems, medical education, student support

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Received: 21-05-2020

Introduction

The medical education system is framed in such a way as to impart the necessary knowledge, skills and attitude to the undergraduate students and develop them as competent doctors. These students are diverse with respect to their socio-economic and cultural backgrounds, which creates differences in their learning

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abilities, especially in a country like India. Furthermore, the demands and learning challenges in the medical schools are not efficiently overcome by all learners. Majority of them face challenges like academic, personal or financial problems, which lead to undue stress among them.[1-3] However, at many institutions, there are no student welfare systems for providing support to the medical students, especially during their stressful periods and failure times.

How to cite this article: Vimal M, Dongre AR, Nishanthi A, Kagne RN. Student support system for medical undergraduates: A qualitative exploration of stakeholder perspectives. J Edu Health Promot 2021:10:150.

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RACOTER & JURIER BER DESCRIPTION OF THE STATE OF THE STAT THE COLLEGE ALL PURCHES AND ADDRESS. These students, if not supported at the right time gets demotivated and demoralized leading to shattering their self-confidence, and their personal and professional development gets stunted. They ultimately succumb to this vicious cycle of failures and it poses a big challenge to rebuild their self-confidence and rescue them at this stage. It can even lead to noncompletion of the course and drop out from medical college.<sup>[4]</sup>

Thus, there is a need for the development of a student support system in every medical college to identify and support the learners who face problems during their medical education. A good student support system is designed to meet the academic and personal needs of the student. The goal of the student support system is to promote a friendly learning environment for the students so that they develop personally, emotionally, intellectually, and academically and motivate them to succeed in life. This requires a thorough analysis of the problems faced by the learners of the concerned medical college (needs assessment), followed by the formulation of a student support program. Despite the gravity of the problem, there is a dearth of studies in India to identify, define, and address the needs of learners. Thus, the present study was designed to do a situational analysis to identify and define the problems of learners and to develop a model for the student support system to address these problems in our institution.

#### Materials and Methods

Study setting

This study was carried out in a private medical college, which admits 150 undergraduate medical students per year from all over India. The college currently has a structured student support system with the functioning mentorship program for undergraduates, regular parents-teachers meeting, and student's grievance cell. Currently, we are in the process of National Assessment and Accreditation Council (NAAC) accreditation and thus, are in the process of strengthening our student support system, which is one of the standards in the accreditation process.

Study design

It was a phenomenological type of qualitative research study. Phenomenological approach was chosen because it helps to bring forth the current personal experiences of people from their own perspectives.<sup>[5]</sup>

Sample size, sampling, and study participants The study participants were 10 each of undergraduate medical students, faculties, and parents. Thus, a total of 30 participants were interviewed.

We have done an extreme type of purposive sampling<sup>[6]</sup> by identifying the 2<sup>nd</sup>-year MBBS students who have

been consistently performing lesser than 20% in their internal assessment examinations and with low attendance percentage in all the subjects of the 2nd year. A total of 17 such students were identified, 10 agreed to participate, 4 refused, and 3 were reluctant to participate. Thus, the overall response rate was 58.8%. Parents of the corresponding low achiever students were approached during the parent-teacher meeting for the interview. Either the father or mother of the student, whoever came for the meeting and who consented for the interview was interviewed. Faculties who were in-charge/mentors of low-achieving students in the pre and para-clinical departments were identified and those who were vocal and willing to share their perspectives on the problems of the learners were interviewed, including an administrator.

*Justification for the adequacy of sample size* 

The minimum size of a purposive sample needed to achieve theoretical saturation is approximated between 20 and 30.<sup>[7,8]</sup> In our study, the interviews were conducted till the point of saturation, i.e., after 8 interviews each with students, faculties, and parents, no new additional information was obtained. Thus, after 24 interviews, no new ideas or concepts emerged, and saturation occurred. However, since 30 participants consented for the study, all of them were interviewed.

#### Data collection

The study was initiated after obtaining approval from our Institutional Ethics committee (IEC code: SMVMCH-ECO/AL/66/2018).

Informed consent was taken from all the study participants. One-to-one in-depth interviews (IDIs) were conducted with a semi-structured interview guide. Semi-structured in-depth interview technique is a versatile approach which enables the establishment of good rapport between the participant and interviewer, thus helping in the generation of insightful responses and high-quality data. [9] A separate interview guide consisting of broad-opened questions with situational probes was prepared for the students, faculties and parents. The contents of the interview guide were validated by the second author, who was experienced in the field of qualitative research and also holds masters in health profession education. The first author, who was trained in qualitative methods, carried out one to one interviews with the various stakeholders. Each interview lasted for about 30-45 min. The interviews with the students were conducted on evenings and holidays, with the faculties during their convenient timings, and with the parents during the parent-teacher meeting. Adequate information was provided to the participants about the study. The venue of the interview was chosen by the participants as per their convenience, and privacy was ensured during

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the interview process by making sure only the interviewer and participant were present throughout the interview process. The interviews were conducted in English except for six of the parents, who was interviewed in the Tamil language as per their convenience. In case of emotional outbursts of the participants during the interview process, comfort was ensured and their consent whether to proceed with the interview was again asked for. At the end of the interview, the key findings were summarized to the participant for their validation. All the permissions required before, during and after the conduct of the study were thus obtained.

Data analysis and interpretation

The following stepwise approach representing the Colaizzi process for phenomenological data analysis was employed in this study. The interviews were audio-recorded and transcribed verbatim by the first author. During transcription, personal details of the participants were anonymized. The transcripts were prepared as soon as possible, preferably within 1 week of the conduct of interviews. The six interviews conducted in the Tamil language were translated to English by the first author, who was well versed in both languages. Manual thematic analyses of the transcripts were performed by the first and third authors, who were trained in qualitative data analysis. The authors together coded significant text information in the transcript. The codes belonging to similar areas were clubbed together to form subcategories of problems faced by learners and their solutions. Finally, similar sub-categories were grouped to form categories. The codes, sub-categories, and categories were reviewed by the second and the fourth author for ensuring the validity of the interpretations in our context. The statements in Italics represent the direct quote from the participants. In order to explore the patterns, the content analysis was done using the framework approach to find out the frequency of contribution by various stakeholders to various categories.[10]

Various strategies were employed to ensure the trustworthiness of the qualitative data [Annexure 1]. [111,12] Credibility of the data was ensured by prolonged engagement with the participants, persistent observation, data triangulation, investigator triangulation and member check. Moreover, a detailed description of the study methodology ensured transferability; and maintenance of audit trail ensured dependability and confirmability. The study findings are reported according to the "Consolidated Criteria for Reporting Qualitative Research" guidelines. [13]

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Results

Each interview lasted about 30–45 min. Equal number of male and female undergraduate students were

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KALITHEERTHALKUPPAM, IABAGABIPET, PUDUGHERRY-606 107. participants were interviewed among the faculties (male:female = 6:4) and parents (male: female = 7:3). The participants' age ranged from 19 to 21 years for students; 29–55 years for faculties; and 45–59 years for parents. Manual thematic analysis of the transcripts yielded 16 sub-categories and 7 categories. Statements in Italics indicate direct quotes or verbatim responses from the participants.

interviewed (each n = 5). However, more male

Category 1 - Curriculum-related problems

The students and faculties perceived that vast curriculum and noninteractive teaching methods as key problems faced by the learners. The possible solutions suggested were shown in Table 1. However, parents did not recognize any curriculum-related problems of the learners.

With reference to curriculum-related problems, a female student said "I just can't cope with the huge syllabus and complex terms".

As a solution for the problem of vast curriculum, a female faculty told "Trained subject experts can be allotted for students facing problems. When an additional academic mentor takes responsibility for such students, they become more aware of the strengths and weaknesses of the students and will be in a better position to guide them."

Category 2 - Interpersonal adjustment problems/ poor social skills

All three stakeholders were aware that maladjustment with classmates/roommates/friends/seniors/juniors contributed as obstacles to learning and they suggested counseling, conflict resolution/grievance addressal and teaching interpersonal and communication skills as some of the possible solutions [Table 1].

A female student said "My study times are not matching with that of my roommate, which is causing a lot of conflict between us. I study late at night, whereas she wants me to switch off the lights so that she can sleep and wake up early to study."

Another female student said "I feel other students are isolating me because I am not good in studies. They do not share any study-related information with me and I always feel left out."

Category 3 - Personal issues and family problems The students felt that maladjustment to college hostel life and food, personal health issues of the learner, distractions, language barriers for the nonnative students, family problems, and financial problems as key problems they face with respect to the theme on "personal issues

applying the incoming the age was

Table 1: Categories 1 and 2-Curriculum related and interpersonal adjustment problems faced by the learners and their suggested solutions

Sub-categories	Problems of learners	Solutions for the problems		
	Category 1-Curriculum related	problems (S, F)		
Vast	Voluminous subjects (S, F)	Orientation to		
curriculum (S, F)	Difficult terminologies (S)	Curriculum requirements and assessment methods (S, F		
	Lack of knowledge on what and how to read (S)	Medical terminologies (S)		
	Difficulty in adapting to the course and its contents (F)	Teaching faculties and teaching methods (F)		
		Future career pathways (F)		
		Revision classes by faculties before the exam (S)		
		Teaching stress and time management (S, F)		
		Inculcate self-directed learning and peer assisted learning (F)		
		Faculty mentors for guidance (S, F)		
		Training of faculty mentors (F)		
Noninteractive teaching	Some teachers teaching very fast (S) Some lectures not interesting (S)	Incorporation of student friendly teaching-learning methods (S, F)		
methods (S, F)	Students are not attentive in classes (F)	Case/clinical scenario based teaching (S, F) Group activities/Small group teaching (S, F)		
		Incorporation of fun in learning eg.puzzles, quizzes (S, F)		
		Encouraging doubts from students (F)		
		Increasing peer interaction (F)		
		Increasing faculty-student interaction (F)		
	Category 2-Interpersonal adjustment proble	ems/poor social skills (S, F, P)		
Maladjustment with classmates/	Frequent fights with friends/roommates (S) Feeling of being isolated from peers (S)	Counseling the students by faculties, mentors or counselors (S, F)		
roommates/ friends/seniors/	Not being informed of educational information by friends (S)	Conflict resolution/grievance addressal by faculties, mentors or warden (S, F)		
juniors (S, F, P)	Study times of roommates does not match, causing conflicts (S)	Maintaining good relationship with peers (S) Teaching interpersonal skills and communication skills (F		
	Friends are not trustworthy (S)	Monitoring by faculties and warden (P)		
	Not able to build good rapport with friends (F)	ADDIES ASSESSED IN A SECURIOR DE LA COMPANSION DE LA COMP		
	Not mingling with other students (P)			
	Issues with roommates (P)			
	Spoiled by friends (P)			
Maladjustment	Some faculties are strict and non-approachable (S)	Some faculties can be more student friendly (S)		
with some faculties (S)	Unable to follow lectures of some teachers (S)			

S=Students' perspective, F=Faculties' perspective, P=Parents' perspective

and family problems". Though the parents perceived the same problems, they did not realize that family problems and language barriers hindered the learning process of the students. Furthermore, the faculties did not realize that language barriers, family problems, and financial problems deterred the students from learning. The various solutions for these problems mentioned by the stakeholders are shown in Table 2.

With regard to the problem of distractions, a male student told "I forget things around me and have lost many days when I play video games". Another male student said "I am missing my home food when I am in the hostel."

As a recommendation to tackle "relents' problems, a male faculty said "Suggestion boxes can be kept activations places in the college and hostel to get anonymous feedbacks from students about the problems they are facing."

Category 4 - Cognitive learning problems

The students and faculties mentioned cognitive learning problems such as inability in comprehension and memorization, basic knowledge gaps, ineffective learning techniques, and poor language skills (both English and the Tamil language). Various solutions suggested for tackling these problems are shown in Table 3. On the contrary, parents did not recognize this domain as a potential problem of the learners.

A male student said "How much ever I read, I am not able to recall and write in the exams".

Category 5 - Poor organizational skills

three stakeholders realized that poor study habits as one of the major problems faced by the learners. In contrast, only the students and faculties recognized poor exam writing skills of the students and the parents were

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Table 2: Category 3-Personal issues and family problems faced by the learners and their suggested solutions

Sub-categories	Problems of learners	Solutions for the problems				
Maladjustment	Feeling homesick (S, F, P)	Counseling for homesickness (S, F)				
to college hostel	Taking time to adapt to hostel life and	Quality assurance of good food in hostel (S)				
life and food (S,	food (S, F, P)	Grievance addressal for problems relating to their education or stay in the campus/hostel (F)				
F, P)	Reading pattern different from peers/					
	hostel reading time (S)	Strengthening of student council (F)				
	Lack of parental support and mentoring (F)	Keeping suggestion boxes to get anonymous feedback from the students (F)				
Health	Suffering from acute and chronic	Counseling from mentors and faculties (S)				
issues (S, F, P)	illness (S, F)	Extra-classes for missed topics (S, P)				
	Suffering from depression (S)	Needs peer support and care (S)				
		Routine premedical screening (F)				
		Counseling for healthy life style (F)				
		Timely intervention-Referral to specialists (F)				
		Provision of extra care by faculties, warden and college (P)				
Distractions (S,	Mobile phones, social media, video	Counseling from mentors and faculties (S)				
F, P)	games and YouTubevideos (S, F, P)	Student wellness enhancement programs (F)				
	Peer pressure-chatting and outings with	Organizing motivational talks by inspiring speakers (S, F)				
	friends (S, F)	Health education programs regarding healthy lifestyle and work-life balance (F				
	Listening to music (P)	Emphasizing on yoga, exercise, sports (F)				
		Good sleeping habits (F)				
		Emphasizing the hazards of overuse of mobile phones and videogames (F)				
		Enlightening on the dangers of using social media (F)				
		Use of mobile jammers in the hostel during study hours (F)				
		Faculty and warden can monitor the students (P)				
Language	Difficulty in coping with local language (S)	Language support (S)				
barriers (S)	Lack of fluency in English (S)	Help from peers (S)				
Family	Illness/diseases in family member (s) (S)	Counseling from mentors, faculties and support from peers (S)				
problems (S)	Death of family member (s) (S)	Extra-classes for missed topics (S)				
Financial problems (S, P)	Parents facing difficulties in paying the college fees (S, P)	Financial assistance and scholarship can be given (P)				

unable to perceive it. The recommendations provided by

S=Students' perspective, F=Faculties' perspective, P=Parents' perspective

the respondents are outlined in Table 3.

A male student said "If faculty prepares a study schedule for us, we will be able to read according to it." A female student said "Hostel warden can monitor us during our study hours so that my friends will not disturb me when I am studying."

Category 6 - Students' lack of motivation All the stakeholders opined that lack of motivation of the students as a major contributing factor for learners' problems. The respondents opined that counseling, motivation, and stress management programs would pave the way for their positive attitude towards studies [Table 3].

A male student said "I was interested to join engineering, However, my parents forced me to join MBBS."

Category 7 - Miscellaneous problems

The faculties felt that the pressurizing attitude of some parents to get high marks could be detrimental to the student's learning, which can be mitigated by educating the parents regarding the nature of MBBS course and organizing frequent parent-teachers meetings. The parents were of the notion that the lack of information about their child's performance in college leads to reduced parental support for the children. They advocate that frequent and periodic updates of the child's performance from the institution would benefit them in guiding their children. They also suggested that the Hostel warden should give special care for the students staying in hostels.

Framework analysis illustrating the contribution of various stakeholders to the generation of various subcategories and categories are shown in Table 4. In short, only the students mentioned the problems of language barriers and family problems, whereas other stakeholders did not recognize this domain as a

COPX female parent said "My son gets very angry whenever I ask him about his marks."

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Table 3: Categories 4, 5 and 6-Cognitive learning problems, poor organizational skills and lack of motivation by

the learners and	their suggested solutions	
Sub-categories	Problems of learners	Solutions for the problems
	Category 4-Cognitive learning disabilities	(S, F)
Cognitive learning disabilities (S, F)	Not able to learn/comprehend information fast (S, F)  Not able to memorize lots of information (S)	Re-emphasizing the complex concepts by faculties especially by small group teaching (S)
	Gaps in basic knowledge/fundamentals taught in school education (F)	Teaching memorization techniques and mnemonics by faculties (S)
	Lacked the basic concepts in learning techniques and poor	Counseling and referral to specialists (F)
	language skills (F)	Proper premedical screening (F)
	Category 5-Poor organizational skills (S,	F, P)
Poor study habits (S, F, P)	Waited for study holidays to read (S)  Not reading well in advance of the exams (S, F, P)	Training on good study habits by faculties and mentors (S)
	Lack of regular habit of reading textbooks (F) Lack of in-depth reading of concepts (F) Not reading from standard textbooks (F)	Individualized study schedules for each student can be prepared by the faculty-in-charge or mentor (S)
	Not reading from standard textbooks (F)	Allotting warden monitored study hours (during evening hours) in college campus for hostellers (S)
		Inculcate the book reading habit among students (F)
		Students should be emphasized the importance of studying everyday by the faculties and should be monitored (P)
Poor exam writing skills (S, F)	Not able to manage time during exams (S, F) Bad handwriting of students (F)	Training on exam writing skills, including time management, by faculties and mentors (S, F)
	Presentation in exam papers not good (F)	
	Category 6 -Students' lack of motivation (	S, F, P)
Students' lack of motivation (S,	Joined Medicine due to parental pressure (S) Feeling anxious before exams (S)	Counseling by faculties, mentors and counselors (S, F)
F, P)	Feeling depressed and stressed out (S, P)	Motivational programs (S, P)
	Feeling of not belonging to the group/mainstream (S)  Did not take exams seriously (S)	Career counseling regarding importance of medical field and future opportunities (F)
	Not interested in studying medicine (F) Lack of self-confidence (F) Lack of motivation (F)	Relaxation/stress management programs can be conducted (P)
	Feeling irritable/aggressive/agitated when asked about studies (P)	

S=Students' perspective, F=Faculties' perspective, P=Parents' perspective

potential problem of the learners. Similarly, only the faculties mentioned the pressurizing attitude of some parents and only the parents mentioned about the Lack of information about student performance in college, causing reduced parental support. The parents were not aware of the curriculum-related problems and maladjustment with the faculty. Overall, stakeholders seemed unaware or less sensitive to mutual problems.

#### Discussion

The in-depth interviews with the students, faculties, and parents showed that problems faced by the undergraduate medical students varied with the perspective of each stakeholder. It was interesting to find that all the categories were contributed by all the three stakeholders except parents who did not mention about curriculum-related problems and cognitive learning though certain institutions and universities offer disabilities among students. Similarly, students did not contribute to the miscellaneous category.

Various solutions were suggested by the stakeholders to address the problems faced by the learners. These solutions were regrouped and reflected upon to develop the proposed model of a student support system [Table 5]. This is a team-based model, which has 4 key stakeholders (students, parents, teachers, and college administration) who form the backbone in the development and implementation of the support system in any institution. All the stakeholders should understand each others' roles and expectations for meaningful and informed decision-making for problem-solving. Thus, this model is similar to the "sounding board" approach (Rogerian approach) to mentoring and counseling.[14] It is based on students' current experience of problems, and teachers play the role of facilitators to support and help students to solve their own problem.

student support services globally, there is scanty literature on the development of student support

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Table 4: Framework analysis illustrating the contribution of various stakeholders to the generation of various sub-categories and categories (n=30)

Category	Sub-category	Students (n=10)	Faculties (n=10)	Parents (n=10)
Curriculum related problems	Vast curriculum	10	9	0
	Non-interactive teaching methods	9	9	0
Interpersonal adjustment problems/poor social skills	Maladjustment with classmates/roommates/ friends/seniors/juniors	10	9	8
	Maladjustment with faculty	8	0	0
Personal issues and family	Maladjustment to college hostel life and food	9	9	9
problems	Health issues	8	8	9
	Distractions	10	10	10
	Language barriers	8	0	0
	Family problems	9	0	0
	Financial problems	8	0	8
Cognitive learning disabilities	Cognitive learning disabilities	10	8	0
Poor structural and	Poor study habits	10	10	9
organizational skills	Poor exam writing skills	10	9	0
Students' lack of motivation	Lack of motivation in students	9	9	8
Miscellaneous	Pressurizing attitude of some parents	0	7	0
	Lack of information about student performance in college causing reduced parental support	0	0	9

Table 5: Components of the proposed student support system emphasizing the role of various stakeholders

Faculties and College administration

Programs: on orientation to course, mentorships, students wellness enhancement, faculty development

Training: on soft skills, counseling and conflict resolution, good study habits, exam writing skills

Support: Medical care, Scholarships

Teaching learning environment: Student friendly, additional classes for problem learners, revision classes before exam, conducive environment in hostel

Appraising parents on nature of course and regular feedback of students performance

Students

Counseling, peer support and care, helping in understanding local language

Help faculties or mentors in identification of students with problems

Helping peers in reading topics that they had missed since they were absent due to personal or family issues

Cordial relationship with peers and helping them during their tough times

#### Parents

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Counseling for homesickness

Understanding nature of the MBBS course and prevent from putting undue pressure on students

Monitoring educational performance of their child and undertake corrective measures

Providing emotional support and care during their child's difficult times

systems for medical students in India. Moreover, the majority of the studies were focused on identifying and improving only the problem learners, unlike the present study, which aimed to propose a model for centralized student support systems and services for 1st and 2nd-year undergraduate medical students.

The results of this study were consistent with the findings of similar studies. A study by Hays et al. identified that immaturity, poor learning skills, poor organizational skills, transient personal crises, poor mental health, and UE COPPORTE TO THE the most prevalent issues for which from Saudi Arabia demonstrated that peer competition, Poor English language skills, heavy curriculum, work

stress, lack of knowledge on study materials, lack of time for family and social life, and stress and anxiety were the highly ranked problems.[16]

A study by Vaughn et al. described four classes of problem learners among medical students (affective, cognitive, structural, and interpersonal class), which is congruent with the findings of the present study and proposed S-T-P model [specify the problem (S); desired target state (T); and procedure, plan, or path to get from S to T (P)] to provide solutions for the problem learners. [17] Similarly, Steinert has described a framework for a medical student students sought support. [15] A questionnaire-based study as support system for undergraduate and postgraduate problem learners, from identification and definition of their problems to addressing the same.[18]

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in the same than the stage of the AN THE STATE OF THE STATE OF THE RESIDENCE TO A PARTY OF THE PARTY OF The Foundation Course of the Competency-Based Medical Education (CBME) curriculum proposed by the Medical Council of India (MCI), offers an ideal platform to implement the components of the student support system in every institution. NAAC,[19] in its Guidelines for Assessment and Accreditation, insists "Student support and Progression" as one of the seven criteria which represent the core function and activity of a higher education institution. The council warrants each institution to have well structured, organized guidance, and counseling system. NAAC suggests that each institution should identify the reasons for poor attainment of the students, and should implement remedial measures. It also lays emphasis that institutions should promote active participation of the students in leisure activities, which can foster their holistic development.

Many medical schools worldwide have student support services, with some countries requiring it as a mandate as per their regulations. However, their effectiveness and practical utility has not been widely studied. A study to evaluate the effectiveness of student support services in a university in the United Kingdom showed equivocal results on the support provided by personal tutors, and lack of usage of career and counseling services by the students. [20] The student mentorship program, which was one of the essential components of the student support system proposed in our study, was shown to be effective in a study by Robertson *et al.*[21] However, the effectiveness of other components of the student support system remains obscure and requires further investigation.

The World Federation for Medical Education (WFME), <sup>[22]</sup> in its Global standards for quality improvement in basic medical education emphasizes that every medical school should have provisions for student support systems and services. Such system should render academic counseling, which would include appointing academic mentors for individual students for their residence preparation and career guidance. The institution should also render professional support in relation to social, personal, health, and financial problems. WFME also emphasizes the need for the allocation of resources for the implementation of the student support system by the institution.

The limitation of our study was that we used purposive sampling and this could have led to the exclusion of the views of those who were not selected. Furthermore, the authors acknowledge that this proposed student support system model is just guidance for the components to be incorporated in the system and every institution has to adapt it to suit their local needs. Moreover, with regard to the transferability of the data, the authors have given a detailed description of the context so that the readers

can make decision about the suitability of study findings to their context. [11]

#### Conclusion

Medical students face problems related to vast curriculum, poor social skills/interpersonal adjustments, personal issues and family problems, cognitive learning problems, poor organizational skills, students' lack of motivation, which hinders the quality of their learning. The proposed model of the student support system outlines the principal roles of four key stakeholders, namely students, faculties, parents and college administration. Further research is required on the means of implementing (pilot testing) each component of the student support system, its cost, feasibility, acceptability, sustainability, and effectiveness in improving students' learning performance. We developed the support system model suitable for our context, which is aligned to students' current problems.

#### Acknowledgements

The authors would like to thank the faculties and fellows of PSG-FAIMER Coimbatore and the management and administration of Sri Manakula Vinayagar Medical College and Hospital, Puducherry for their support.

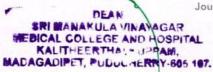
Financial support and sponsorship Nil

Conflicts of interest
There are no conflicts of interest.

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#### Annexure

Annexure 1: Strategies employed to ensure the trustworthiness of the qualitative data

Criteria	Strategy	Description of the strategy
Credibility	Prolonged engagement	The researcher conducted an in-depth interview for as long as the participant was consenting to give information. The researcher used probing questions and encouraged the participants to explain their stand by giving examples.
	Persistent observation	Semi-structured audio recorded interviews were heard many times and the transcripts were read repeatedly by the first and third authors. The emerged codes, categories and themes were discussed with the other authors and recoded and revised time and again to provide the intended depth of insight
	Data triangulation	The data was gathered from purposively selected 3 types of stakeholders namely students, faculties and parents. Thus, data triangulation in terms of person was performed.
	Investigator triangulation	Manual thematic analyses of the transcripts were performed by the first and third authors, who were trained in qualitative data analysis. The codes, categories, and themes were reviewed by the second and fourth authors for ensuring validity of the interpretations in our context.
	Member check	At the end of the interview, the salient points were summarized to the participants and their consensus regarding the researcher's interpretation was sought. In case of any discrepancies, the participant's view was listened to in great detail and necessary modifications were made to the transcript by the researcher
Transferability	Detailed description	Detailed description of the study setting, design, participants, data collection, data analysis and interpretation has been provided which would help the reader to understand the context of the study. It will also aid them in judging whether the results would be applicable in their setting.
Dependability and confirmability	Audit trail	A detailed account of the interviews, their raw data, transcripts, analysis notes, coding notes, categorization and theme generation has been preserved by the researchers.

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# Sri Manakula Vinayagar Medical College and Hospital Kalitheerthalkuppam, Madagadipet, Puducherry - 605 107.

STUDENT	BIO -	DATA
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L	OG: 2019 - 20	24
ENROLLMENT NO / ADMISSION NO NAME :	IO:	
(10+2) Marks: Phy Cher	m Bio Zoo Eng NEET Score	
FATHER Name:	MOTHER Name:	7 .
Occupation :	Occupation :	
Mobile number :	Mobile Number :	, o
Email ID :	Email ID :	***
Date of Birth:	Age: Sex: MALE / FEMA	ALE
Blood Group	* * * * * * * * * * * * * * * * * * *	
Community	Ser older the service of the service of the	
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Mother Tongue		
Adhaar No	:	
Year of Admission	CENTAC COVT. / D MANAGEMENT	NRI
Permanent Address		
Communication Address		
Landline Phone Number	TRUE COPY ATTESTED	14.
Student Contact Number & Email ID	: )	74047 1004
Local Guardian (if any)	DEAN	2
Mobile Number : Email ID :	DICAL COLLEGE AND HOSPITAL KALITHEERTHALK JPPAM, AGABIPET, PUBUCHERRY CAR 100	+ 4°
Change of address/mobile number/ email	il ID should be intimated to office immediately.	

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#### **DENNIS CONGO STUDY**

TEXT BOOK READING (40)	NOTE TAKING (25)	MEMORY (45)	PREPARATION (65)	CONCENTRATION (50)	TIME MANAGEMENT (30)

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MEDICAL COLLEGE AND HOSI
KALITHEERTHALKUPPAN
MANAGADIPET, PUDUCHENRY

#### INTERNAL MARKS AND ATTENDANCE PERCENTAGE

MONTH	ANATOMY			PHYSIOLOGY			BIOCHEMISTRY		
	Theory %	Practical %	Attendance %	Theory %	Practical %	Attendance %	Theory %	Practical %	Attendance
OCTOBER									
NOVEMBER				N. T.					
DECEMBER					101				
JANUARY			1				X 30000000000		
FEBRUARY !	7								<del></del>
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AUGUST	21 21				N				1
AGGREGATE					-	<del> </del>		*-	7 ( 3 9 7
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# STUDENTS SUPPORT PROGRAMME - FEEDBACK FORM

NAME OF THE STUDENT:

Reg. No.

Batch: 2019-24 Roll No:

Date	Perceived Strengths	Perceived Weaknesses	Student's Plan of Action	Mentor's Suggestion	Student's Signature	Mentor's Signature
October 2019						
	•					1 1
November 2019	•					
3						
December 2019	•					
TESTE						

SEU MANAKULA VINAYAGAA Date

SEU MANAKULA VINAYAGAA DATE

KALITHEERTHALKUJSPAM January

January

January

Date 5	Perceived Strengths	Perceived Weaknesses	Student's Plan of Action	Mentor's Suggestion	Student's Signature	Mentor's Signature
anuary 020						
Sebruary 2020	•	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10. T.			
					1	Control of the Contro
March 2020	•				- 18	
	*				6011931	C144

Date	Perceived Strengths	Perceived Weaknesses	Student's Plan of Action	Mentor's Suggestion	Student's Signature	Mentor's Signature
April 2020	•				2	* 1 3 4
					5	
May 2020	•					*
				-		b.
սոе 2020	•					1
une 2020						
	•					

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KALITHEERTHALKUPPAM,
MADAGADIPET, PUDUCHERRY-SAC

Date	Perceived Strengths	Perceived Weaknesses	Student's Plan of Action	Mentor's Suggestion	Student's Signature	Mentor's Signature
July 2020						
THE STATE OF	•				7	
00		y				

Parnts meeting to brief about the progress of their ward (On the last day of model theory examination afternoon session)

Bate	Attendance	Performance	Str	engths	Areas for improvement	Signature of Parent	Signature of Mentor
			5				
					•0		
17			**********				
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DEAN

DEAN

MANAKULA VINAYAGAR

CAL COLLEGE & HOSPITAL

ALITHEERTHALKUPPAM,
PUDUCHERRY-605107,



Medical college and Hospital

Students Support System

Parents - Mentor meeting - Attendance

Date: 20.01.2020

Roll No:

Name of the Student:

Suggestion from the parents (with Signature)

Dr. E

N. TOUR DE , ROSPIAL LA PINE CHILINEKUPPAM, PUDUCHERRY-605107.

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MADAGADIPET, PUDUCHERRY-806 107.

#### GOAL:

To offer the holistic development of students and offer them support to meet their academic goals. This programme is based on GROW model - It is a four stage model, where mentor helps the learners to define goal, describe their current reality, consider the potential options and plan a way forward.

#### **OBJECTIVES:**

- 1. To provide academic and emotional support to the students
- 2. To help the students to identify their priorities and set their goals.
- 3. To facilitate the students in their career mapping.
- To motivate the students to analyse their strengths and weaknesses and also to decide their plan of action for improvement.
- 5. To support the students in developing their affective skills
- To guide the students to take care of their health problems and to solve their interpersonal issues.

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Page 3

#### PROGRAMME SCHEDULE

Orientation for Mentors - July 1st week Selection of mentors - July 2<sup>nd</sup> week Introduction of programme to the students - During orientation programme in the foundation course Mentor - Mentee introduction - During foundation course · Mentor - Parents meeting - Foundation course · Regular review of the programme - January, April, August Mid term meeting of mentors with parents - January Mentors - Parents meeting after the summer holidays - June Mentors - Parents meeting on the last day of model examination - August · Annual Review of the programme Closure of programme for Phase I and Handing over to the mentors of next year CAL COLLEGE AND CALITHEER THALKUI GADIPET, PUDUCHER

Training for mentors (July 1st week):

 All teaching faculty members will undergo an orientation about mentorship programme

Selection of mentors (July 2<sup>nd</sup> week):

- Ten faculty members of each phase who are oriented towards mentorship programme will be selected as mentors. Others will help in case of absence of any of the mentors.
- Each mentor will be assigned 15 students of his/her phase.

Introduction of programme to the students:

This is done by the programme co-ordinator during the orientation programme in the foundation course through PowerPoint presentation. The objectives, structure and benefits of the programme and responsibilities of the mentees will be explained.

Mentor - Mentees Introduction:

- This is done at the end of foundation course. Mentees will meet their mentors personally. The mentors will start developing the rapport with mentees by making them to open up with their personal interests, apprehensions in their mind and expectations. Mentors can help their mentees to set their goals.
- The mentors will also share their experiences to motivate the students
- > A proforma of personal details of the students will be obtained (Document

attached)

A guidelines document will be provided to the mentors (Document attached)

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Mentor - Parents meeting:

The mentor will sensitize the parents about the programme and give the clear instructions

Regular meetings of mentors and mentees:

- The regular meetings between mentors and mentees have been scheduled on every fourth Saturday of each month from 2.30 to 4.30 PM.
- The academic performance and the regularity of the mentees will be discussed on the basis of their Internal Examinations mark percentage and monthly attendance percentage.
- The mentors will facilitate the mentees to perceive their weaknesses and strengths and to decide the plan of action for improvement
- The mentors will give suggestions based on the students' perception.
- Health issues and psychosocial issues of the students will also be addressed during the meetings
- A record of meetings, interactions and assessment of mentees will be maintained
  - > Documents have been attached

Review of the programme:

Regular meetings of mentors with director and deans will be held in

TRUE COPY ATTESTED on the programme Regular meetings of mentors with director and deans will be held in

the progress of the programme

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Mid term meeting of mentors with parents:

- The mentors parents meet will be held in the month of January to notify the performance of their wards.
- Areas for improvement will be intimated to the parents

Meeting of mentors with parents after annual holidays:

The mentors - parents meet will be held in the month of June when the mentees come back after summer holidays. The parents will be notified about their wards' current position

Mentors - parents meet at the end of the programme:

- Mentors will meet the parents again on the last day of the model examination of their wards.
- The parents will be briefed about the overall performance, regularity and behaviour of their wards which were monitored throughout the year.

Annual review of the programme:

Feedback about the programme and mentor will be obtained from the students.

Handing over of the programme:

The mentors will hand over the details of the mentees to the mentors allotted in the next phase.

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#### DOCUMENTS ATTACHED

- 1. Foundation course time table
- 2. Guidelines to mentors
- 3. Students proforma of personal details
- 4. Students feedback form obtained during regular meetings
- 5. Parents meet attendance
- 6. Denis congo study skills score sheet
- 7. Monthly examination marks percentage and attendance percentage

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BADAGADIPET, PUDUCHERRY-695 107.



Email ID

# Sri Manakula Vinayagar Medical College and Hospital

Kalitheerthalkuppam, Madagadipet, Puducherry - 605 107.

	STUDENT BIO - DATA	UG: 2022 - 2027
NAME :		
10+2) Marks: Phy C	hem Bio Zoo Bot	Eng NEET Score
FATHER Name:	MOTHER Name:	
Occupation :	Occupation :	
Mobile number :	Mobile Number :	
Email ID :	Email ID :	
Date of Birth:	Age:	Sex: MALE / FEMALE
Blood Group	3	
Community		
Religion	1	
Mother Tongue	:	
Year of Admission	The state of the s	NTAC NRI MANAGEMENT □
Permanent Address		
Communication Address		
Landline Phone Number	1	
Student Contact Number & Email I	D This correct	
Aadhaar Number	TRUE COPY ATTESTED	
Local Guardian (if any)		
Name :	SRI MANAKULA VINAYAGAR	
Mobile Number:	MEDICAL COLLEGE AND HOSPITAL KALITHEERTHALKUPPAN, MADAGADIPET, PUDLICHERRY ASS.	

Change of address/mobile number/ email ID should be intimated to office immediately.

Force Field Analysis

Date:

Forces resisting change		
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Forces favouring change	TRUE COPY AFTESTED	

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#### Learner's Profile

Learning Style (	Based	on the VARK Quest	tionnaire)
V -	A -	R -	K -
Overall learning pr	eferen	ce:	
Learning Appro	ach (f	rom ASSIST Question	onnaire)
Mean scores of			
Deep Approach	:		
Superficial Approach	h :		
Strategic Approach	:		
Predominant Appro	oach:		
Scores from Denis	Congo	Study Skills Inventory	
Text Book Reading	:	(cut off: 30)	
Note Taking	:	(cut off: 20)	
Memory	:	(cut off: 30)	
Test preparation	:	(cut off: 40)	
Concentration	:	(cut off: 35)	
Time Management	:	(Cut off: 20)	

Personality

Johari Window

Personality Type by

(Jung and Brigg Myer's Typology):

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# Feedback Session (Phase I) - Parent - Mentor - Mentee Interaction

Date of the Interaction	Student's Progress	Mentor's Suggestion	Outcome/ Progress of the Action plan	Signature of the Parent	Signature of the Mentor
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# $Feedback\ Session\ (Phase\ I)-Mentor-Mentee\ Interaction$

Date of the Interaction	Student's Plan of Action	Mentor's Suggestion	Outcome/ Progress of the Action plan	Signature of the Student	Signature of the Mentor
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#### Other Achievements

### Before entering the Medical Profession

#### After admission into MBBS

S.No	Date of the event	Name of the Event	Nature of the Event	Venue	Details (Participation)	Details (Winner)
			TRUE CO	P¥ ATTEST	<b>ED</b>	

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