

**1.3.1 – The Institution integrates cross-cutting issues relevant to gender, environment and sustainability, human values, health determinants, Right to Health and emerging demographic issues and Professional Ethics into the Curriculum as prescribed by the University / respective regulative councils**





**PRIYADARSHINI**  
DENTAL COLLEGE AND HOSPITAL

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**1.3.1 List of courses with their descriptions**

Sl No	Enrichment Aspect	Program
1.	Gender Equality and Sensitization	Women's day celebration Gender sensitization Program General Physiology
2.	Human Values	Anti-ragging Orientation Program Doctors Day Celebration Orientation Program for BDS students
3.	Professional Ethics	Orientation Program for BDS students Institutional Ethical Committee Meetings IV BDS Public Health Dentistry II BDS Microbiology
4.	Environment	Swachh Pakhwada Programs World Environment Day Biomedical Waste Management - II BDS Microbiology and IV BDS Public Health Dentistry
5.	Human Values/Right to Health/ Health Determinants	World No Tobacco Day Oral Hygiene Day Celebration III BDS Oral Pathology IV BDS Public Health Dentistry

*Siv. Prithvi*

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PDCH/065/MAY- 2022

Date: 10.05.2022

**CIRCULAR**

Priyadarshini Dental College and Hospital was proudly celebrating Women's Day for the year 2023 between 11.00 am and 2.00 pm at Phase II, fourth floor auditorium. All the faculty members, non-teaching and students are invited to attend the program.

Presenters:

1. Dr. M. R. C. Rajeswari – Professor & Head Department of Oral Pathology.
2. Dr. B. Karthika – Professor, Department of Oral Medicine and Radiology.

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5. Notice Board



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1.	Gender Equality and Sensitization	Women's day celebration
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**REPORT:**

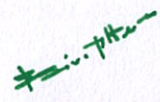
"Women Fest 2023" was celebrated on 10th March 2023 at Priyadarshini Dental College and Hospital. The program commenced with Tamil Thai Vazthu and followed by welcome address by Dr. I. Paavai, Professor and Head, Department of Periodontics.

Principal Dr. B. Sivapathasundharam addressed the gathering and briefed the concept for the celebration of women's day. First program was on the installation of "Kaval Udhavi App" of TN Police department, presented by Dr. Paavai, and requested all the students to download this app. Second program was a speech on "Current issues in women's health" and it highlighted the awareness on women's health by Ms. Monique Selvia, CRI, Secretary of NSS and YRC, PDCH.

Followed by competitions like singing, personality speech, photography contest, drawing, cooking without fire and mehendi held for the staff, CRIs and other students. There was a debate on "Women empowerment – reel or real" held between faculty members and students, judged by Principal Dr. B. Sivapathasundharam.

The next program was mime and mono acting on women's health by students and CRIs. All the women staffs presented plant sapling to all the male staffs as a token of appreciation to embrace equality. Program ended with cake cutting, prize distribution, vote of thanks and National Anthem. Vote of thanks was delivered by Dr M Pavani, Reader, Department of Oral Medicine and Radiology. The program was organised by the NSS of PDCH under the a guidance of Dr Kathika, Professor, Department Of Oral Medicine and Radiology and Dr Rajeswari, Professor and Head, Department Of Oral Pathology.

Photo courtesy: Mr Avinash, Mr Arun kalyan.

  
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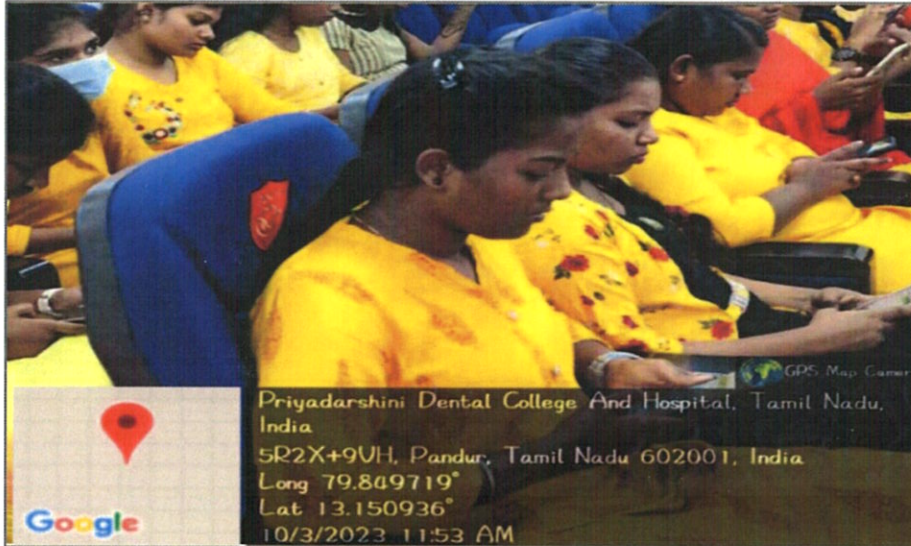


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Women's day celebration



Women's day celebration

*Principals*

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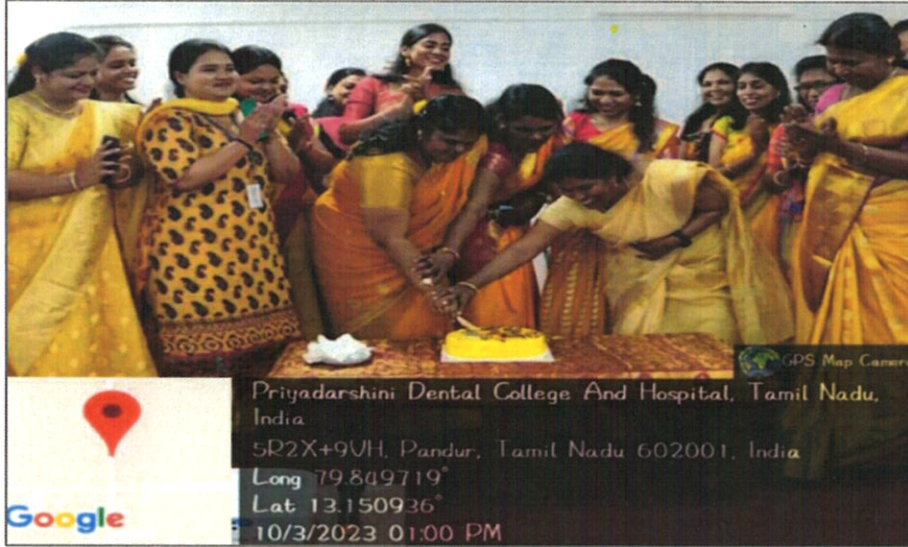
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Women's day celebration



Women's day celebration

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1.	Gender Equality and Sensitization	Gender sensitization Program
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**REPORT:**

The Internal Complaints Committee of Priyadarshini Dental College and Hospital, organized a guest lecture on “Gender discrimination and protection against sexual harassment” on 8<sup>th</sup> December 2022. The Principal, Heads of various departments, teaching and non-teaching faculty members, CRI and final year BDS students attended the program.

The program was invocated with “Tamizh Thaaai Vazhthu” by Ms. Elakya and Ms. Sangavi, CRI. Welcome address was given by Dr. I. Paavai, Chairperson, ICC. The principal Dr. Sivapathasundharam. B, addressed the gathering and gave a small prelude about the lecture. Dr. Gomathi. G. D, Senior lecturer, Periodontology introduced the guests of honour Dr.Sanjay. M. Cherian, Vice president and Consultant Cardiac Surgeon, Dr. K. M. Cherian’s Frontier Lifeline Hospital and Mrs. Narmadha Sampath, Former Additional Advocate General and practicing advocate in high court and Supreme Court. They were felicitated by the Principal and Chairperson, ICC respectively.

Dr.Sanjay. M. Cherian briefed on protection against sexual harassment and encouraged to voice out against gender discrimination. Later Mrs. Narmadha Sampath, narrated the golden triangle of the Indian constitution and gave an elaborate lecture with many real life incidents from her cases as examples against gender discrimination and harassment activities. She explained about the articles in 14, 15, 19 and 21 of Indian constitution.

The guests were presented with a certificate of appreciation and a memento as a token of gratitude by the Principal and Chairperson, ICC. Vote of thanks was delivered by Dr. S. Vasugi, Professor, Physiology followed by National Anthem. MC: Ms. Swetha, CRI. PC: Mr. Mohammed Thameez and Mr. Arun Kalyan, CRI.

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**Gender sensitization Program**



**Gender sensitization Program**

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*Srin. P. Hanu*  
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1.	Gender Equality and Sensitization	General Physiology
<p style="text-align: center;"><b>2. GENERAL HUMAN PHYSIOLOGY</b></p> <p><b>1. GOAL</b> The broad goal of teaching Human Physiology to undergraduate Dental students is to provide comprehensive knowledge of the normal functions of the organ systems of the body, to facilitate an understanding of the physiological basis of health and disease.</p> <p><b>2. OBJECTIVES</b></p> <p><b>a. KNOWLEDGE AND UNDERSTANDING:</b></p> <p>At the end of the course, the student will be able to:</p> <ol style="list-style-type: none"><li>i. Explain the normal functioning of all the organ systems and their interactions for wellco-ordinated total body function.</li><li>ii. Assess the relative contribution of each organ system towards the maintenance of the milieu interior.</li><li>iii. List the physiological principles underlying the pathogenesis and treatment of disease</li></ol> <p><b>b. SKILLS:</b></p> <p>At the end of the course, the student shall be able to :</p> <ol style="list-style-type: none"><li>i. Conduct experiments designed for the study of physiological phenomena.</li><li>ii. Interpret experimental and investigative data</li><li>iii. Distinguish between 'normal and abnormal data derived as a result of tests which he/she has performed and observed in the laboratory.</li></ol> <p><b>c. ATTITUDE:</b></p> <p>To develop the attitude to serve the rural community.</p> <p><b>d. INTEGRATION:</b></p> <p>At the end of the integrated teaching the student shall acquire an integrated knowledge of organ structure and function and its regulatory mechanisms.</p>		

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	<ul style="list-style-type: none"> <li>• Glucocorticoids and sex steroids</li> <li>• Discuss the causes and features of Cushing's Syndrome and Addison's Disease</li> <li>• Adrenal medulla:</li> <li>• Synthesis and physiological effects of epinephrine and nor-epinephrine on various systems of the body</li> <li>• Factors that regulate the secretion of adrenal medullary hormones</li> </ul>	<ul style="list-style-type: none"> <li>• hormone synthesis</li> <li>• Diseases related to Mineralocorticoids</li> <li>• Conn's Syndrome</li> <li>• Aldosterone Escape</li> <li>• Atrial Natriuretic Peptide (ANP)</li> </ul>
Endocrine Pancreas	<ul style="list-style-type: none"> <li>• Name the different cells present in the Islets of Langerhans</li> <li>• Physiological stimulus for Insulin secretion</li> <li>• List the target cells of Insulin and the cells that do not require insulin action for glucose uptake</li> <li>• Mention the mechanism of action of Insulin on its receptor</li> <li>• List the important actions of insulin</li> <li>• List the various factors that regulate insulin secretion</li> <li>• Describe the features of hyper secretion of Insulin and Hypoglycaemia</li> <li>• Glucagon</li> <li>• List the important actions of glucagon</li> </ul>	<ul style="list-style-type: none"> <li>• Describe the steps in biosynthesis of Insulin and the origin of the C-peptide (Connecting peptide)</li> <li>• Diabetes Mellitus:</li> <li>• Discuss the Pathophysiology of Diabetes mellitus</li> <li>• List the hormones that raise blood sugar level</li> </ul>
Reproductive System Sex Determination	<ul style="list-style-type: none"> <li>• Differentiate between Genetic sex, Gonadal sex and phenotypic sex.</li> <li>• Describe the role of SRY gene and testis determining factor in development of gonads</li> <li>• Describe the role of testosterone and Mullerian inhibiting substance in the development of male and female internal genitalia</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss the role of dihydrotestosterone in the development of external genitalia</li> </ul>
Male	<ul style="list-style-type: none"> <li>• Describe the functional anatomy of the male</li> </ul>	<ul style="list-style-type: none"> <li>• Outline the steps</li> </ul>

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Reproductive Physiology	<ul style="list-style-type: none"> <li>reproductive tract (Testis seminiferous tubules, Sertoli cells, Leydig cells, Blood Testis barrier, Epididymis, Vas deferens, Seminal vesicle, Prostate gland).</li> <li>Describe the blood- testis barrier and its function</li> <li>Discuss factors that regulate Spermatogenesis</li> <li>Describe the structure of spermatozoa</li> <li>Describe the source, mechanism of action and functions of testosterone and dihydrotestosterone</li> <li>State the source and functions of inhibin Discuss the hypothalamic and pituitary control on testicular function and Feed back control of testicular hormones on hypothalamus and pituitary</li> <li>Describe the role of prostate, seminal vesicles in reproductive function</li> <li>Describe the mechanisms that cause erection and ejaculation</li> <li>State what is capacitation and discuss the changes that occur during capacitation</li> </ul>	involved in spermatogenesis <ul style="list-style-type: none"> <li>State the composition of semen and recognize use of semen analysis as a test to evaluate infertility</li> <li>Discuss about abnormalities of the male reproductive system: <ul style="list-style-type: none"> <li>Hypogonadism</li> <li>Cryptorchidism</li> </ul> </li> </ul>	
Puberty Menopause Pituitary Gonadotropins (FSH,LH) and Prolactin	<ul style="list-style-type: none"> <li>Describe the mechanism of action functions and regulation of secretion of pituitary gonadotropins and prolactin</li> <li>Explain the changes that occur during puberty and describe the mechanism of onset of puberty</li> <li>Define menopause and describe the physiological changes during menopause</li> </ul>	<ul style="list-style-type: none"> <li>Discuss causes of precocious and delayed puberty</li> </ul>	
Female reproductive system	<ul style="list-style-type: none"> <li>Describe the Functional anatomy of the female reproductive system</li> <li>Outline the stages of Oogenesis</li> <li>State differences between oogenesis and spermatogenesis</li> <li>Describe the development of ovarian follicles (Stages of follicle development, ovulation,</li> </ul>	<ul style="list-style-type: none"> <li>Differences between oogenesis and spermatogenesis</li> <li>Discuss the physiological basis of use of synthetic estrogens</li> </ul>	

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2.	Human Values	Antiragging Orientation Program
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**REPORT:**

Priyadarshini Dental College and Hospital has zero percent tolerance on Ragging in workplace and sexual harassment. An Antiragging Orientation Program for the first year BDS students and seniors of Priyadarshini Dental College was held on 14th July 2022 at 11.00 am through online mode with Dr Pramod Kumar Gandra, Professor, and Head, Department of Oral and Maxillofacial surgery, Sri Balaji Dental College, Hyderabad and Member of Dental Council of India was the chief guest.

The program started with invocation. Dr B Sivapathasundharam welcomed the gathering. Dr Loganathan, Professor and Head, Department of Oral and Maxillofacial surgery voiced on, "What constitutes Ragging", which was followed by a speech by Dr Abby Abraham, Professor and Head, Department of Prosthodontics on, "Consequences of Ragging".

Dr Vijayadhith, Professor and Head, Department of orthodontics, member of anti-ragging committee and students' coordinator explained about the measures taken by the Priyadarshini Dental College to curb the menace of Ragging and introduce the Antiragging Committee members, antiragging squad and Antiragging monitoring cell of Priyadarshini Dental College.

Chief guest Dr Pramod Kumar Gandra, member of Dental Council of India addressed the students about the evils of ragging and spoke on how it affects the victims and how it will ruin the career of the students who are directly involved and those who witness the act without preventing it. The speech was very informative.

Dr Veerakumar, Vice Principal, Professor and Head, Department of Pedodontics acknowledged the Chief Guest, faculty members and the attendees.

The program concluded with national anthem.

Dr Abirami, Senior lecturer, Department of Periodontics organized the entire program. MC was Dr Yamini, Tutor. Tamilthai vazhthu and National Anthem by Ms Elakiya, CRI. Photos courtesy Dr Saravanan, Senior lecturer, Department of Oral pathology

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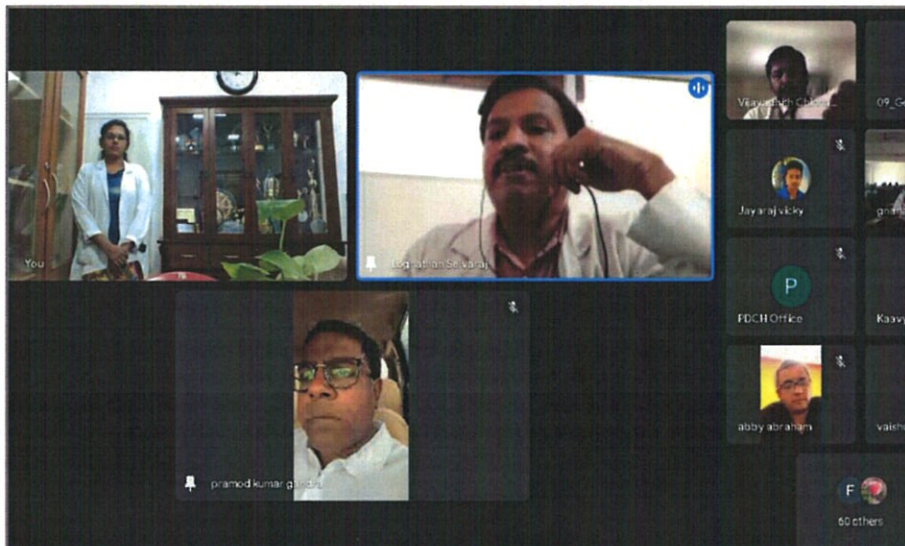


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### Anti-Ragging Orientation Program



### Anti-Ragging Orientation Program

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PDCH/Cir/ANTI RAGGING/013/JAN-2023

Date: 18.01.2023

Office Order

There will be an anti - ragging orientation program on 20.01.2023 at 11.00 am. All the newly joined 1<sup>st</sup> BDS students, 2021-22 - 1<sup>st</sup> BDS students and 2<sup>nd</sup> BDS students are directed to attend the program.

**Program Schedule**

1. Tamizh thaa Vaazthu
2. Welcome address by Principal
3. What constitutes ragging ( Dr. Ganesh)
4. Consequences of ragging ( Dr. Paavai)
5. Introduction of Anti - ragging committee and squad ( Dr. Vijayadhith)
6. Address by Chief guest ( Dr. Ramasamy, president, T.N State Dental Council)
7. Vote of thanks ( Dr. Veerakumar, Vice Principal)

**Copy to:**

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- M.D office
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2	Human Values	Anti-ragging Orientation
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**REPORT:**

Anti-ragging Orientation program for 2021-22 and 2022-23 batch students was held on 20/01/2023 at 11.00 a.m. in the presence of Dr. Ramasamy, President, Tamil Nadu State Dental Council and Professor, Department of Orthodontics, Sri Venkateshwara Dental College and Hospital, Chennai.

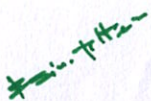
Priyadarshini Dental College and Hospital has zero percent tolerance on Ragging. The program started with invocation. Dr. B. Sivapathasundharam, Principal delivered the welcome address. Dr. R. Ganesh, Professor and Head, Department of Public Health Dentistry elaborated on, "What constitutes Ragging", added to that Dr. I. Paavai, Professor and Head, Department of Periodontics alarmed on "Consequence of Ragging"

Dr Vijayadhith, Professor and Head, Department of orthodontics, member of anti-ragging committee and students' coordinator explained about the measures taken by the Priyadarshini Dental College to curb the menace of Ragging and introduced the Antiragging Committee members, antiragging squad and Antiragging monitoring cell of Priyadarshini Dental College.

Dr Ramasamy, President, Tamil Nadu Dental Council, addressed the students about the adverse effects of ragging and spoke on how it affect the lives of people victomised by it. The speech was very informative and motivated the students to be in a ragging free zone.

All the student participants took Anti Ragging Pledge. Dr Veerakumar, Vice Principal, Professor and Head, Department of Pedodontics delivered the Vote of thanks.

The program concluded with National Anthem.

  
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# PRIYADARSHINI DENTAL COLLEGE AND HOSPITAL

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**Anti-Ragging Orientation Program**



**Anti-Ragging Orientation Program**

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**Anti-Ragging Orientation Program**



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**PDCH/Cir/ 51/JUNE-2022**

**Date: 30.06.2022**

**CIRCULAR**

Dental Educational unit of Priyadarshini Dental College and Hospital going to celebrate Doctor's day on 01.07.22. It is mandatory for all interns and final years to join the occasion to felicitate all the faculty members for their relentless service.

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1. Chairman office
2. M.D office
3. CEO office
4. All Departments
5. Notice board

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2	Human Values	Doctors Day Celebration
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**REPORT:**

National Doctors Day celebration was held at Priyadarshini Dental College and Hospital on 01/07/2022 at 1.30 p.m.

Chairman Mr. VG.Raajendran graced the occasion wished and extended regards to all the doctors for their selfless service.

Principal Dr. B. Sivapathasundharam, the Heads of all the Departments, faculties and the students attended the program.

Cultural activities by interns to share the happiness and thanked the doctors of Priyadarshini Dental College and Hospital.

Special performances of singing, dance by faculty team was highlighted the program.

The interns felicitated each faculty member on their behalf, for their relentless service as doctors.

Dr. Ashok and Dr. Abirami were awarded as the best doctors.

Dr. Yamini as the master of ceremony.

Photo courtesy to Dr. Saravanan and Mr. Arun Kalyan

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**Doctors Day Celebration**



**Doctors Day Celebration**

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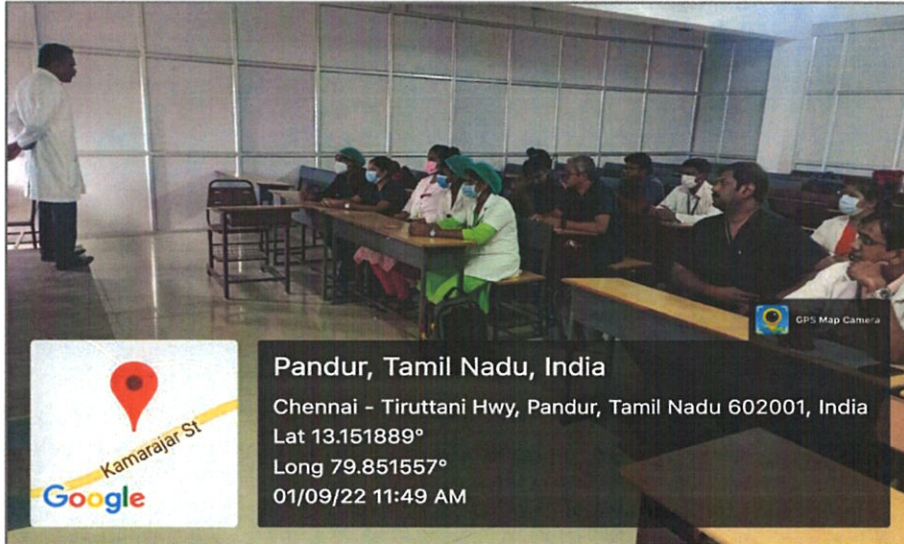
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2	Human Values	Orientation Program for BDS students
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**REPORT:**

Induction day program for the 2017 February Batch interns was held at Priyadarshini Dental College and Hospital on 01-09-2022. Principal Dr. Sivapathasundharam addressed the interns regarding the code of conduct in the institution and welcomed them. All the HOD's addressed the interns regarding the quotas and responsibilities in their respective departments.



**Orientation Program for BDS students**

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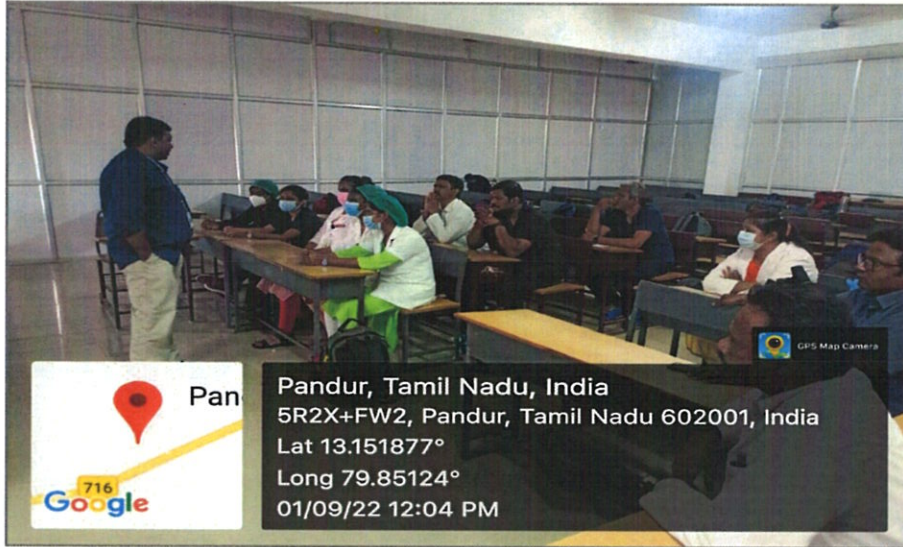
*Sivapathasundharam*  
Principal  
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Orientation Program for BDS students



Orientation Program for BDS students

*S. S. S. S.*  
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PDCH/Cir/ I & II BDS INDUCTION DAY /045/ April-2023

Date: 18.04.2023

**CIRCULAR**

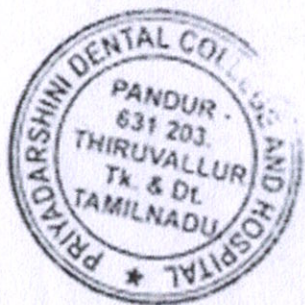
There will be an induction program for the III B.D.S on 24/04/2023 at 10.00 a.m. at Ruby Hall, 4<sup>th</sup> floor, Phase-2.

The program details are as follows.

- |        |                                        |                                                                                 |
|--------|----------------------------------------|---------------------------------------------------------------------------------|
| (i)    | Introduction                           | : Dr. B. Sivapathasuntharam, Principal.                                         |
| (ii)   | Code of conduct                        | : Dr. Abby Abraham, Professor and Head, Department of Prosthodontics.           |
| (iii)  | Oral pathology Requirement             | : Dr. M.R.C. Rajeswari, Professor and Head, Department of Oral Pathology.       |
| (iv)   | Diagnosis & Patient care               | : Dr. B. Karthika, Professor, Department of Oral Medicine                       |
| (v)    | Quota of work; Clinical & non-clinical | : Dr. A. Jayasenthil, Professor and Head, Department of Conservative Dentistry. |
| (vi)   | Ethics                                 | : Dr. V. Vasanth Ayswarya, Reader Department of Periodontics.                   |
| (vii)  | Introduction to Oral surgery           | : Dr. R. Saneem, Professor of Oral surgery.                                     |
| (viii) | Curricular & Extra-curricular          | : Dr. Ashok, Reader, Department of Orthodontics.                                |
| (ix)   | Management of Child Patient            | : Dr. Rupak, Reader, Department of Pedodontics.                                 |

Copy to:

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3. CEO office *for...*
4. All Departments



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3	Professional Ethics	Orientation Program for BDS students
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**REPORT:**

The induction program for BDS third year students (Batch: 2020-25), who are entering to clinical curriculum, was held on 24/04/2023 at 10.00 am at Ruby Hall, 4th floor, Phase II. Dr. B. Sivapathasundharam, Principal, welcomed the gathering and gave introduction about the program.

Dr. Abby Abraham, Professor and Head, Department of Prosthodontics, insisted on precepts of code of conduct.

Dr. M.R.C Rajeshwari, Professor and Head, Department of Oral Pathology, elaborated on Oral pathology and its requirements.

Dr. B. Karthika, Professor, Department of Oral medicine and Radiology elucidated on patients care.

Dr. A. Jayasenthil, Professor and Head, Department of Conservative dentistry and Endodontics, briefed on Clinical and Non clinical quota works.

Dr. V. Vasanth Ayswarya, Reader, Department of Periodontics detailed on ethics and flashed about Internal compliants committee.

Dr. R. Saneem, Professor, Department of Oral surgery.

Dr. Ashok, Reader, Department of Orthodontics briefed on Curricular and Extracurricular activities.

Dr. Rupak, Reader, Department of Pedodontics, instructed on management of child patients.

Dr. R. Yamini coordinated the program.

Vote of thanks was delivered by Ms. Shaheen farhana, 2nd year, BDS

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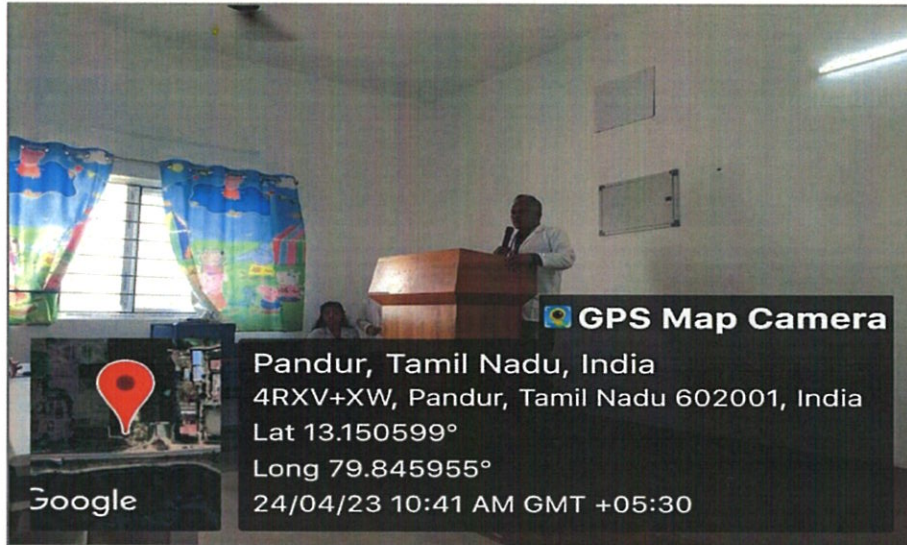
*Principal*  
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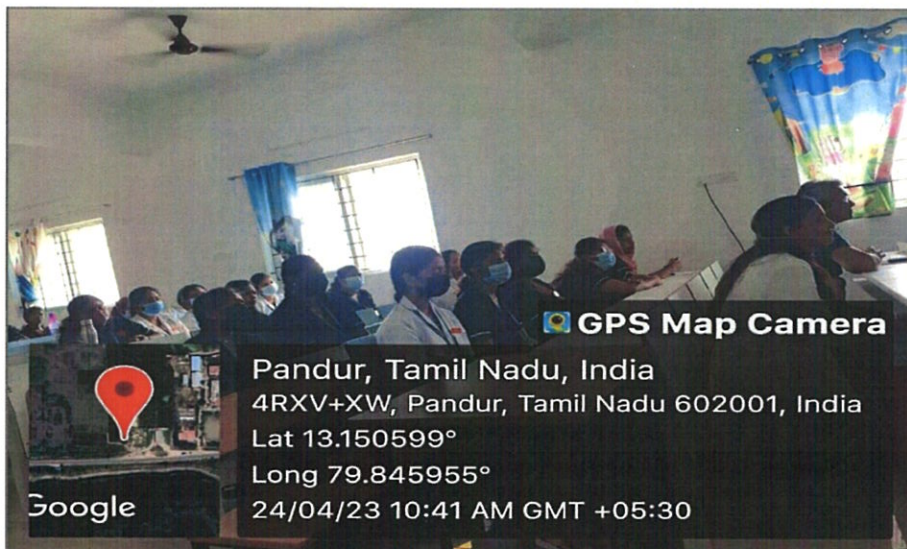


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### Orientation Program for BDS students



### Orientation Program for BDS students

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3	Professional Ethics	Institutional Committee Meetings	Ethical
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**REPORT:**

Third Institutional Ethical Committee Meeting of 2022 was conducted on 15th Nov 2022. Meeting is headed by IEC Chairperson Dr. T. Radhika, Professor, Dr MGR Educational Institutions and Research and Member Secretary Dr. M. R. C. Rajeswari. New research proposals were presented. Each proposal was discussed elaborately by all the members and suggestions were given. The students found the meeting to be very informative. Welcome address was given by Dr. M. R. C. Rajeswari, Professor and HOD, Department of Oral Pathology. Principal Dr. B. Sivapathasundharam, honoured the IEC Chairperson. Vote of thanks was delivered by Dr. B. Karthika, Professor, Department of Oral Medicine and Radiology.

MC : Ms. karthika.S, CRI.

PC : Mr. Dinesh.

  
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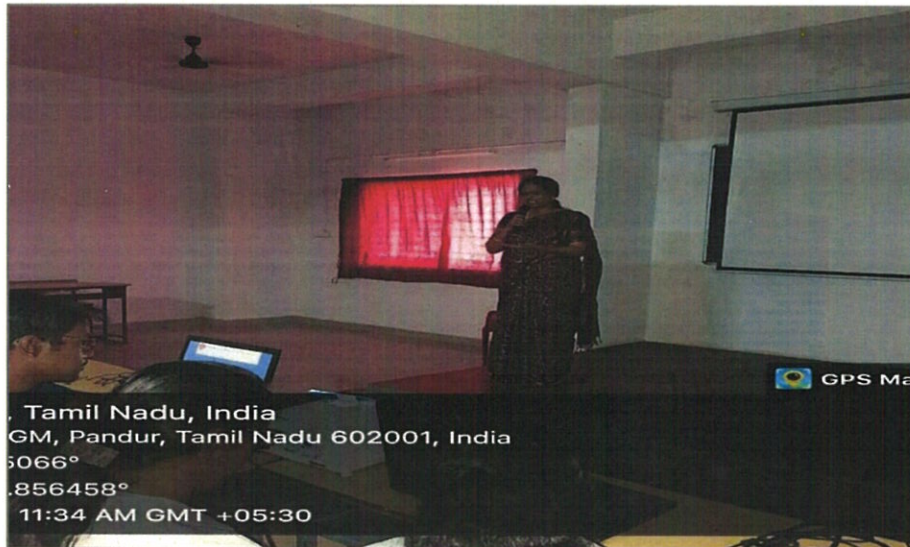
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### Institutional Ethical Committee Meetings



### Institutional Ethical Committee Meetings

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3	Professional Ethics	IV BDS Public Health Dentistry
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**19. PUBLIC HEALTH DENTISTRY**

**1. GOAL**

To provide critical knowledge and understanding of public health dentistry To develop students understanding of the major oral health problems of community To equip students with the ability to critically analyze dental public health problems and develop practical solutions to protect and promote the oral health for the community To enable students to understand and undertake health services research and to apply key findings into dental public health practice

**2. OBJECTIVES**

**a. KNOWLEDGE:**

Apply basic sciences knowledge regarding etiology, diagnosis and management of all the oral conditions at the individual and community level Identify social, economic, environmental and emotional determinants in a given individual patient or a community for the purpose of planning and execution of community oral health programme. Ability to conduct oral health surveys in order to identify all the oral health problems affecting the community and find solutions using multi-disciplinary approach. Ability to act as a consultant in Community Oral Health and take part in research (both basic and clinical), present and publish the outcome at various scientific conferences and journals, both national and international.

**b. SKILLS:**

Take history, conduct clinical examination including all diagnostic procedures to arrive at diagnosis at the individual level and conduct survey of the community at a state and national level of all conditions related to oral health to arrive at community diagnosis. Plan and perform all necessary treatment, prevention, and promotion of Oral Health at the individual and community level. Plan appropriate Community Oral Health Programme, conduct the programme and evaluate, at the community level. Ability to make use of knowledge of epidemiology to identify causes and plan appropriate preventive and control measures. Develop appropriate person power at various levels and their effective utilization. Conduct survey and use appropriate methods to impart Oral Health Education Develop ways of helping the community towards easy payment plan, followed by evaluation of their oral health care needs. Develop the planning, implementation, evaluation and administrative skills to carry out successful Community oral Health programmes





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**6. THEORY SYLLABUS**

TOPIC	MUST KNOW	DESIRABLE TO KNOW	NICE TO KNOW
Introduction to Dentistry	Definition of Dentistry, History of dentistry, Scope, aims and objectives of Dentistry		
Public Health	Health & Disease:- Concepts, Philology, Definition and Characteristics Public Health:- Definition, Concepts, History of public health, General	Screening of disease, Public Health Administration:- Priority, Establishment, Manpower, private Practice Management, Hospital management	Nutrition in oral diseases Behavioural science: Definition of sociology, anthropology and psychology and their relevance in dental practice and community.
Dental Public Health	Epidemiology:- Definition, objectives, methods Environmental Health:- Concepts, principles, protection, sources, purification, environmental sanitation of water, disposal of waste, sanitation, role in mass disaster Health care delivery system: Centre and state, oral health policy, primary health care, national programmes, health organisations.	Ethics and Jurisprudence:- Professional liabilities, negligence, malpractice, consents, evidence, contracts and methods of identification in forensic dentistry Health Education:- Definition, concepts, principles, methods, and health education aids	
	Definition and difference between community and clinical health. Epidemiology of dental diseases-dental caries, periodontal diseases, malocclusion, dental fluorosis, oral cancer & TMJ		

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3	Professional Ethics	II BDS Microbiology
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**MICROBIOLOGY**

**1. GOAL**

To introduce the students to the exciting world of microbes and to provide an understanding of various branches of Microbiology, in order to deal with the etiology, pathogenesis, laboratory diagnosis, treatment, control and prevention of infections in dental practice.

**2. OBJECTIVES**

**a. KNOWLEDGE AND UNDERSTANDING:**

At the end of the Microbiology course the student is expected to

- i. Understand the basics of various branches of Microbiology and able to apply the knowledge relevantly.
- ii. Apply the knowledge gained in related medical subjects like General Medicine and General Surgery and Dental subjects like Oral Pathology, Community Dentistry, Periodontics, Oral Surgery, Pedodontics, Conservative Dentistry and Oral Medicine in higher classes.
- iii. Understand and practice various methods of Sterilisation and disinfection in dental clinics.
- iv. Have a sound understanding of various infectious diseases and lesions in the oral cavity.
- v. Awareness of Health care associated infections and their prevention in dental practice

**b. SKILLS**

- i. Student should have acquired the skill to diagnose, differentiate various oral lesions.
- ii. Should be able to select, collect and transport clinical specimens to the laboratory.
- iii. Should be able to carry out proper aseptic procedures in the dental clinic.
- iv. Interpretation of antimicrobial susceptibility tests and to make right choice of antibiotic based on spectrum of infection and ensure appropriate use to avoid antibiotic resistance.

**c. ATTITUDE:**

- i. To apply knowledge in the interest of the individual patient and community.
- ii. Maintain high standards of professional ethics in patient care and in carrying out diagnostic tests.

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### Bioethics

Bioethics is the application of ethics to the field of medicine and healthcare. Bioethics includes medical ethics, which focuses on issues in health care; research ethics, which focuses issues in the conduct of research; environmental ethics, which focuses on issues pertaining to the relationship between human activities and the environment, and public health ethics.

In microbiology, the maintenance of confidentiality is very important for the laboratory to gain confidence from the patients. Confidentiality is mandatory in certain tests like HIV testing as the results may lead to alienation from the family thus causing mental agony to the patient. Counselling has to be given both before and after testing in HIV /AIDS setting. Written consent has to be always obtained from the patient for any procedure that can potentially harm the individual particularly invasive techniques.

Quarantining of people is done under special circumstances. By adhering to ethical guidelines, members of the medical profession can help and ensure that quarantine and isolation measures achieve their public health goals and maximally promote the well-being of individuals.

### 7. PRACTICALS

#### Procedures

- i. Simple stain, Hanging drop
- ii. Grams stain
- iii. Ziehl Neilsen's stain

#### Demonstrations

- i. Microscopy-Different types, parts, maintenance and usage
- ii. Sterilization and disinfection
- iii. Culture media including anaerobic culture media and transport media
- iv. Anaerobic culture methods
- v. Biochemical reactions in the identification of bacteria
- vi. Virus models

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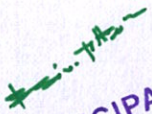
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4.	Environment	Swachhta Pakhwada Programs
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REPORT:

Introduction:

Priyadarshini Dental College and Hospital observed Swachhta Pakhwada on September 15th, 2022, as part of the national initiative aimed at promoting cleanliness and hygiene. The fortnight-long event, initiated by the Government of India in April 2016, engages various ministries and departments to address cleanliness issues.



**Swachhta Pakhwada Programs**

Inauguration and Introduction:

The program commenced at 10:30 am in Phase-2 Lecture Hall no-2 with an introduction by the Principal, Dr. B. Sivapathasundaram. He emphasized the significance of Swachhta Pakhwada and highlighted the importance of cleanliness. The inauguration set the tone for a series of events organized to promote awareness and cleanliness.

Pledge of Swachhta Pakhwada:

Students, CRIs, and faculty members participated in taking the pledge of Swachhta Pakhwada. This activity aimed to instill the importance of cleanliness and self-hygiene among the participants.

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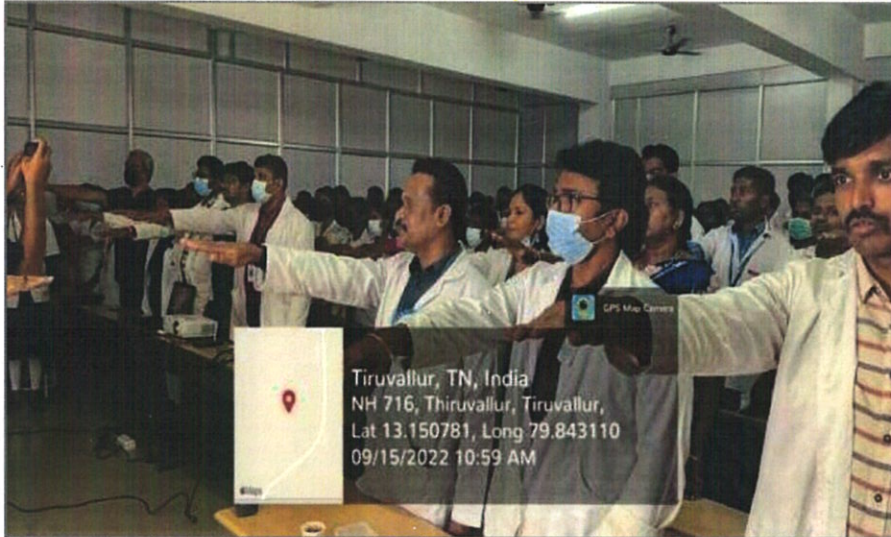
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## PRIYADARSHINI DENTAL COLLEGE AND HOSPITAL

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**Swachhta Pakhwada Program**

Presentation of Saplings:

As part of the Clean India, Green India initiative, Neem saplings were presented to students by Dr. B. Sivapathasundaram, Dr. Jayasenthil, and Dr. Ganesh. This gesture aimed to promote environmental consciousness and sustainable practices.



**Swachhta Pakhwada Program**

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### Distribution of Hygiene Products:

Hand sanitizers, mouth masks, and hand soaps were distributed to OP-patients by various department heads, including Dr. Rajeshwari, Dr. Sridhar Reddy, Dr. Paavai Arulpari, Dr. Abby Abraham, and Dr. Karthiga. This initiative showcased the commitment to both personal and public hygiene.



### Swachhta Pakhwada Programs

#### Awards for Clutter-Free Department:

Departments at Priyadarshini Dental College and Hospital were inspected for cleanliness during Swachhta Pakhwada, and the Department of Prosthodontics was awarded as the clutter-free department. This recognition aimed to motivate departments to maintain high standards of cleanliness.

#### Elocution and Drawing Competitions:

The Department of Public Health Dentistry organized elocution and drawing competitions on topics related to environmental awareness. The winners were awarded certificates. The elocution topics included single-use plastic hazards, e-waste disposal, and recycling. The drawing competition focused on the theme "Clean India, Green India."

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### Swachhta Pakhwada Programs

Rally for Awareness:

A rally led by Smt. Indira Rajendiran, Chairperson of the Indira Group of Institution, was conducted to raise awareness about the Swachh Bharath mission. Students and CRIs displayed handmade placards with messages on cleanliness, tree planting, and the hazards of plastic usage.



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*Indira Rajendiran*  
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### Swachhta Pakhwada Programs

Conclusion:

The Swachhta Pakhwada celebrations at Department of Public Health Dentistry, Priyadarshini Dental College and Hospital successfully raised awareness among students and patients regarding cleanliness, plastic hazards, and environmental conservation. By actively participating in various events, the institution demonstrated its commitment to the vision of the Government of India's Swachhta Pakhwada initiative.

### Swachhta Pakhwada Programs



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4.	Environment	World Environment Day
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**REPORT:**

On the occasion of World Environment Day on June 5 2023, Department of Public Health Dentistry in coordination with PDCH Green Committee, and NSS Unit organised tree planting in the premises. Tmt. Indira Raajendran, MD, Indira Educational Institutions was the Guest of Honour. Principal, Dr. B. Sivapathasundharam, Dr. Vasanthamani, Dean, IMCH Dr. Geetha, Vice Principal, IMCH and Dr. Ponnusamy, Medical Superintendent, IMCH, Mrs. Vatsala, Principal, Indira College of Nursing graced the occasion. Different types of Tree saplings were planted and watered by our guests of Honour and other dignitaries inside the college premises to spread the awareness regarding environmental conservation. Dr. M. R. C. Rajeshwari, Professor and Head, Department of Oral Pathology, Dr. C. Vijayadhith Professor and Head, Department of Orthodontics, Dr. R. Ganesh, Professor and Head Department of Public Health Dentistry and Dr. I. Paavai, Professor and Head, Department of Periodontics planted other tree saplings. Green Committee members Dr. R. Rupak, Reader, Department of Pedodontics, Dr. Vasanth Ayshwarya, Reader, Department of Periodontics, Dr. Balaji, Senior Lecturer, Department of Prosthodontics, Dr. B. Selvamani, Department of Public Health Dentistry, Dr. R. Divya, Tutor, Department of Conservative Dentistry and Endodontics and Dr. Hemamalini, Tutor, Department of Pedodontics, Interns, Kalaiselvan and Sugumar, Final year BDS student Lakshmi Priyanka also participated.

  
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World Environment Day



World Environment Day

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4.	Environment	Biomedical Waste Management - II BDS Microbiology
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**MICROBIOLOGY**

**1. GOAL**

To introduce the students to the exciting world of microbes and to provide an understanding of various branches of Microbiology, in order to deal with the etiology, pathogenesis, laboratory diagnosis, treatment, control and prevention of infections in dental practice.

**2. OBJECTIVES**

**a. KNOWLEDGE AND UNDERSTANDING:**

At the end of the Microbiology course the student is expected to

- I. Understand the basics of various branches of Microbiology and able to apply the knowledge relevantly.
- II. Apply the knowledge gained in related medical subjects like General Medicine and General Surgery and Dental subjects like Oral Pathology, Community Dentistry, Periodontics, Oral Surgery, Pedodontics, Conservative Dentistry and Oral Medicine in higher classes.
- III. Understand and practice various methods of Sterilisation and disinfection in dental clinics.
- IV. Have a sound understanding of various infectious diseases and lesions in the oral cavity.
- V. Awareness of Health care associated infections and their prevention in dental practice

**b. SKILLS**

- I. Student should have acquired the skill to diagnose, differentiate various oral lesions.
- II. Should be able to select, collect and transport clinical specimens to the laboratory.
- III. Should be able to carry out proper aseptic procedures in the dental clinic.
- IV. Interpretation of antimicrobial susceptibility tests and to make right choice of antibiotic based on spectrum of infection and ensure appropriate use to avoid antibiotic resistance.

**c. ATTITUDE:**

- I. To apply knowledge in the interest of the individual patient and community.
- II. Maintain high standards of professional ethics in patient care and in carrying out diagnostic tests.

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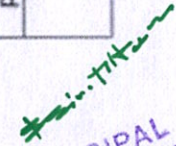


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Virology	7. Spirochaetes- Treponema, Borrelia vincenti 8. Actinomyces 9. Normal flora of oral cavity 1. General properties, resistance cultivation of viruses, host virus interactions with special reference to interferon 2. Laboratory diagnosis, Viral vaccines 3. Herpes virus 4. Measles, Mumps and Rubella 5. Rabies virus 6. Hepatitis B and Hepatitis C virus, HBV vaccine 7. Human Immunodeficiency virus	Bacteriophage structure and significance Cultivation of viruses	Influenza A and B viruses
Mycology	1. Introduction classification, Laboratory diagnosis 2. Candidosis, Rhinosporidiosis 3. Systemic mycoses and associated oral lesions, 1. Introduction, different modes of transmission and prevention 2. Entamoeba histolytica, Entamoeba gingivatis 3. Malarial parasites 4. Leishmania including L. brasiliensis 5. Common helminthic infections – Tape worms, Ascaris lumbricoides, Ancylostoma duodenale, Trichuris trichura and Enterobius vermicularis.	Opportunistic fungal infections Protozoa Giardia intestinalis, Trichomonas species, Wuchereria bancrofti	Antifungal susceptibility testing methods Parasitic infections in HIV
Parasitology	1. Standard precautions 2. Infection control measures in dental setting 3. Significance of antibiotic susceptibility testing, its interpretation 4. Bio medical waste management guidelines 5. Vaccination for Health care providers 6. Needle stick injury and post exposure prophylaxis 7. Blood borne infections	STD infections Infective endocarditis Emerging and Re emerging infections	Antibiotic resistance (MRSA, ESBL etc.)
Applied Microbiology			

  
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4.	Environment	Biomedical Waste Management - IV BDS Public Health Dentistry
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**19. PUBLIC HEALTH DENTISTRY**

**1. GOAL**

To provide critical knowledge and understanding of public health dentistry To develop students understanding of the major oral health problems of community To equip students with the ability to critically analyze dental public health problems and develop practical solutions to protect and promote the oral health for the community To enable students to understand and undertake health services research and to apply key findings into dental public health practice

**2. OBJECTIVES**

**a. KNOWLEDGE:**

Apply basic sciences knowledge regarding etiology, diagnosis and management of all the oral conditions at the individual and community level Identify social, economic, environmental and emotional determinants in a given individual patient or a community for the purpose of planning and execution of community oral health programme. Ability to conduct oral health surveys in order to identify all the oral health problems affecting the community and find solutions using multi-disciplinary approach. Ability to act as a consultant in Community Oral Health and take part in research (both basic and clinical), present and publish the outcome at various scientific conferences and journals, both national and international.

**b. SKILLS:**

Take history, conduct clinical examination including all diagnostic procedures to arrive at diagnosis at the individual level and conduct survey of the community at a state and national level of all conditions related to oral health to arrive at community diagnosis. Plan and perform all necessary treatment, prevention, and promotion of Oral Health at the individual and community level. Plan appropriate Community Oral Health Programme, conduct the programme and evaluate, at the community level. Ability to make use of knowledge of epidemiology to identify causes and plan appropriate preventive and control measures. Develop appropriate person power at various levels and their effective utilization. Conduct survey and use appropriate methods to impart Oral Health Education Develop ways of helping the community towards easy payment plan, followed by evaluation of their oral health care needs. Develop the planning, implementation, evaluation and administrative skills to carry out successful Community oral Health programmes

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**6. THEORY SYLLABUS**

TOPIC	MUST KNOW	DESIRABLE TO KNOW	NICE TO KNOW
Introduction to Dentistry	Definition of Dentistry, History of dentistry. Scope, aims and objectives of Dentistry.		
Public Health	Health & Disease:- Concepts, Philology, Definition and Characteristics Public Health:- Definition, Concepts, History of public health, General Epidemiology:- Definition, objectives, methods Environmental Health:- Concepts, principles, protection, sources, purification, environmental sanitation of water, disposal of waste, sanitation, role in mass disaster Health care delivery system: Centre and state, oral health policy, primary health care, national programmes, health organisations.	Screening of disease. Public Health Administration:- Priority, Establishment, Manpower, private Practice Management, Hospital management, Ethics and Jurisprudence: Professional liabilities, negligence, malpractice, consents, evidence, contracts and methods of identification in forensic dentistry Health Education:- Definition, concepts, principles, methods, and health education aids	Nutrition in oral diseases Behavioural science: Definition of sociology, anthropology and psychology and their relevance in dental practice and community.
Dental Public Health	Definition and difference between community and clinical health. Epidemiology of dental diseases- dental caries, periodontal diseases, malocclusion, dental fluorosis, oral cancer & TMJ		

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5.	Human Values/Right to Health/ Health Determinants	World No Tobacco Day
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**REPORT:**

On the occasion of World No Tobacco Day on 31st May 2023, the NSS and YRC units of Priyadarshini Dental College and Hospital in co-ordination with the Department of Public Health Dentistry under the guidance of the Principal Dr. B. Sivapathasundharam organized a Rally to create awareness about harmful effects of Tobacco among people in Iraiyr village of Thiruvallur district. Students carried placards to create awareness about Tobacco. Dr. R. Ganesh, Professor and HOD, Public Health Dentistry was the Organising Secretary. Mr. Gurucharan, CRI, delivered a speech regarding the diseases caused by tobacco consumption to the general public. Online events such as Drawing competition, Slogan, Reels were conducted for the undergraduate dental students. Tobacco awareness videos and a short film (Nandu) directed by our Principal Dr. B. Sivapathasundharam was projected for the outpatients who reported to our college. Dr. M. Sasikala Senior lecturer, Department of Public Health Dentistry co-ordinated the program.

  
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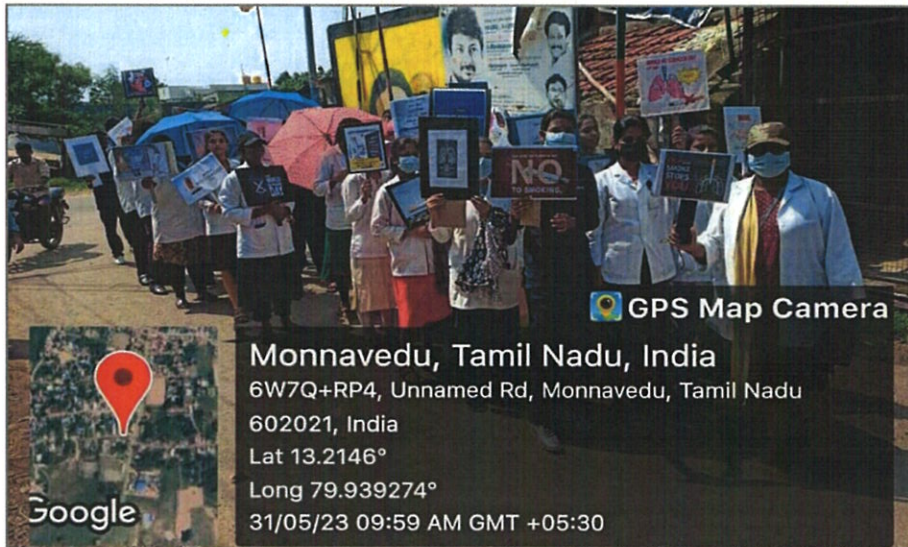
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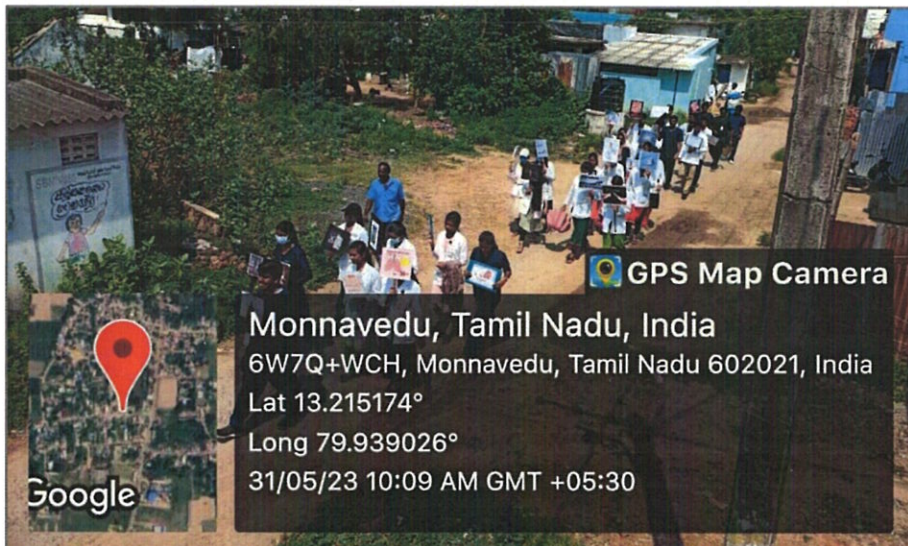


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### World No Tobacco Day



### World No Tobacco Day

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PDCH/Cir/123/Aug-2022

Date: 24.08.2022

**CIRCULAR**

On the account of Oral hygiene day celebrations 2022, all the departments are requested to provide "On-duty" for the August and February batch final years, on 25.08.2022 between 9.30am and 3.30pm.

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**PRINCIPAL**

Copy to:

1. All Departments
2. MD office
3. CEO office

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5.	Human Values/Right to Health/ Health Determinants	Oral Hygiene Day Celebration
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**REPORT:**

Oral hygiene day is celebrated on 1st August of every year on account of birthday of a renowned pioneer periodontist Dr G B Shankwalker. "Indian Society of Periodontology" initiates and motivates celebrating oral hygiene day, every year by periodontics department of all national Dental Colleges. This year ISP has instructed all the dental colleges to celebrate oral hygiene day throughout the month. But owing to the uncertainty and unsafe situation due to COVID-19 mass gatherings and camps are requested to be avoided in the letter from ISP. After the ISP instructions, we campaigned and created awareness without major gatherings i.e., by digital /audio visual mode. Two years back, we celebrated the Oral Hygiene Day targeting the Govt. officials. Dental screenings and camps were conducted in all major Govt. offices of Tiruvallur district, i.e., District court, SP office collectorate and Govt. Hospital. This effort was appreciated by ISP. Our institution Priyadarshini Dental College and Hospital (PDCH) is located in Pandur village of a densely populated town Tiruvallur. The college is the only Dental College of Tiruvallur Municipality. The current year we decided to focus on large crowds, of ranging from low to high socioeconomic status through digital mode. In the Tiruvallur district the public are commonly densely seen visiting major shopping complexes of Tiruvallur district such as The Chennai silks, Arul Kumaran Textiles, Jai Shree Krishna Textiles and GRT Jewellers. The Student, Faculty coordinated in blue and white outfit with uniform oral hygiene awareness badges and so targeting major shops and supermarkets campaigning activities were split into seven major ways: -

1. Video preparation pertaining to oral hygiene awareness.
2. Various games and activities pertaining to oral hygiene awareness.
3. Floss dance with the public.
4. Display of videos in major shops.
5. Video campaigning through portable monitors throughout the district.
6. Awareness among op patients of PDCH.
7. Awareness through social media and celebrities

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Oral Hygiene Day Celebration



Oral Hygiene Day Celebration

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### 19. PUBLIC HEALTH DENTISTRY

#### 1. GOAL

To provide critical knowledge and understanding of public health dentistry To develop students understanding of the major oral health problems of community To equip students with the ability to critically analyze dental public health problems and develop practical solutions to protect and promote the oral health for the community To enable students to understand and undertake health services research and to apply key findings into dental public health practice

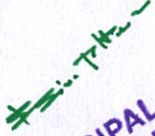
#### 2. OBJECTIVES

##### a. KNOWLEDGE:

Apply basic sciences knowledge regarding etiology, diagnosis and management of all the oral conditions at the individual and community level Identify social, economic, environmental and emotional determinants in a given individual patient or a community for the purpose of planning and execution of community oral health programme. Ability to conduct oral health surveys in order to identify all the oral health problems affecting the community and find solutions using multi-disciplinary approach. Ability to act as a consultant in Community Oral Health and take part in research (both basic and clinical), present and publish the outcome at various scientific conferences and journals, both national and international.

##### b. SKILLS:

Take history, conduct clinical examination including all diagnostic procedures to arrive at diagnosis at the individual level and conduct survey of the community at a state and national level of all conditions related to oral health to arrive at community diagnosis. Plan and perform all necessary treatment, prevention, and promotion of Oral Health at the individual and community level. Plan appropriate Community Oral Health Programme, conduct the programme and evaluate, at the community level. Ability to make use of knowledge of epidemiology to identify causes and plan appropriate preventive and control measures. Develop appropriate person power at various levels and their effective utilization. Conduct survey and use appropriate methods to impart Oral Health Education Develop ways of helping the community towards easy payment plan, followed by evaluation of their oral health care needs. Develop the planning, implementation, evaluation and administrative skills to carry out successful Community oral Health programmes

  
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Redg Off: No .19, Govindan street, Ayyavoo colony, Aminjikarai, Chennai - 600029.

Tel: 044 2374 1616/1717/1818/1919

Campus Off: No.1, V.G.R Gardens, V.G.R Nagar, Pandur – 631203. Thiruvallur.

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**PRIYADARSHINI**  
DENTAL COLLEGE AND HOSPITAL

(Approved by Dental Council of India, New Delhi & Affiliated to The Tamilnadu Dr. M.G.R Medical University, Chennai - 32.)

**6. THEORY SYLLABUS**

TOPIC	MUST KNOW	DESIRABLE TO KNOW	NICE TO KNOW
Introduction to Dentistry	Definition of Dentistry, History of dentistry. Scope, aims and objectives of Dentistry	Screening of disease. Public Health Administration:- Priority, Establishment, Manpower, private Practice Management, Hospital management	Nutrition in oral diseases Behavioural science: Definition of sociology, anthropology and psychology and their relevance in dental practice and community.
Public Health	Health & Disease:- Concepts, Philology, Definition and Characteristics Public Health:- Definition, Concepts, History of public health, General	Ethics and Jurisprudence: Professional liabilities, negligence, malpractice, consents, evidence, contracts and methods of identification in forensic dentistry	
Dental Public Health	Definition and difference between community and clinical health. Epidemiology of dental diseases-dental caries, periodontal diseases, malocclusion, dental fluorosis, oral cancer & TMJ	Health Education:- Definition, concepts, principles, methods, and health education aids	

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	Survey procedures: Planning, implementation and evaluation, WHO oral health survey methods 1997, indices for dental diseases.		
	Delivery of dental care: Dental auxiliaries, operational and non-operational, incremental and comprehensive healthcare, school dental health, Payments of dental care: Methods of Government plans Preventive Dentistry- definition, Levels, role of individual ,Community and ,profession, fluorides in dentistry, plaque control programmes.		
Bio Statistics	Bio Statistics: - Introduction, collection of data, presentation of data, Measures of Central tendency, measures of dispersion, Tests of significance, Sampling and sampling techniques -types, errors, bias, blind trials and calibration.		
Research Methodology	Research Methodology: -Definition, types of research, designing a written protocol		
Health Information	Health Information: - Basic knowledge of Computers, MS Office, Window 2000, Statistical Programmes		
Practice Management	Dentist Act 1948 Dental Council of India Indian Dental Association	Maintenance of records/accounts/audit. Consumer Protection Act.	Place and locality Premises & layout

**Bioethics**

Bioethics is the application of ethics to the field of medicine and healthcare. Bioethics includes medical ethics, which focuses on issues in health care; research ethics, which focuses issues in the conduct of research; environmental ethics,

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