

5.1.2 Capability enhancement and development schemes employed by the Institution for students:

Capability enhancement and development schemes:

1. Soft skills development
2. Language and communication skills development
3. Yoga and wellness
4. Analytical skill development
5. Human value development
6. Personality and professional development
7. Employability skills development



# PRIYADARSHINI

## DENTAL COLLEGE AND HOSPITAL

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### Detailed Report On the Capability enhancement and development schemes employed by the Institution for students

Priyadarshini Dental College and Hospital had organised the following programs in the previous few years which collectively contributes to the overall academic, professional, and personal development of the students, enhancing their skills and knowledge in diverse areas. The interactive nature of the sessions foster a conducive learning

#### YOGA- MINDFULNESS AND BEYOND-PROGRAM (19/05/23)

The Fit Right Club of Priyadarshini Dental College and Hospital organized an event on May 19th, 2023, which saw participation from the Principal, Vice Principal, Heads of various departments, Faculty members, and students of the institution. Ms. Mohammed Shakira, CRI, delivered the welcome address.



The event commenced with the rendition of the Tamil Thai Vazhthu anthem. Mr. Sarvesh Shashi, Director of Sarva and Diva Yoga, served as the resource person, introduced by Dr. G.D. Gomathi, Coordinator of the Fit Right Club of PDCH, and honored by Principal Dr. B. Sivapathasundharam.

*B. Sivapathasundharam*

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During the session, volunteers were guided through asanas like Vrukshasana to test balance and self-control. Mr. Sarvesh elaborated on the significance of yoga and elucidated the benefits of incorporating yoga into daily routines. He also shared his personal journey of pursuing yoga as a career and his success over the past 17 years in yoga practice.



*Principal*

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Mr. Sarvesh Shashi delivered an insightful speech on "Yoga: Mindfulness and Beyond." Dr. M.R.C. Rajeswari, Professor and Head of Oral Pathology, Dr. C. Vijayadhith, Professor and Head of Orthodontics, Dr. A. Jayasenthil, Professor and Head of Endodontics, and Mr. E. Sangunadhan, First BDS, volunteered for a live challenging session led by Mr. Sarvesh.

### ENGLISH LANGUAGE AND COMMUNICATION SKILLS PROGRAM

Dental Education Unit (DEU) and the Internal Quality Assurance Cell (IQAC) of PDCH organized an exclusive English Language and Communication skills Program for the students, aiming to enhance their proficiency in the language and communication skills of the students. The event was graced by the presence of Principal Dr. B Sivapathasundharam, who welcomed the gathering and provided a brief introduction to the program.



*B. Sivapathasundharam*  
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The program commenced with an opening session led by Dr. B Sivapathasundharam, where he emphasized the importance of effective communication skills in the field of dentistry. He highlighted how proficiency in English language and communication is crucial for dental professionals in building rapport with patients, colleagues, and the larger healthcare community.

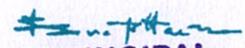
Following the principal's introduction, an engaging session unfolded, facilitated by Dr.A.Jayasenthil, in-charge of DEU and Professor and Head of the Department of Conservative Dentistry, who also played a pivotal role in coordinating the program, ensuring its smooth execution and maximum benefit to the participating students.

The core of the program revolved around a comprehensive discussion on various aspects of English language speaking skills and effective communication. The resource person for this program DR. Regina Joel M.Ed, PhD shared valuable insights and practical tips to help students improve their communication skills, emphasizing the nuances of professional language used in dental practice.

The discussion covered a wide range of topics, including patient interaction, case presentations, and effective communication within a dental team Dr. Regina Joel, drawing from her expertise, provided real-life scenarios and examples, making the session not only informative but also practical and relevant to the students' future roles as dental professionals.

The interactive nature of the session allowed students to actively participate, seek clarification, and engage in discussions. This approach fostered a dynamic learning environment, encouraging students to apply the knowledge gained immediately.

In conclusion, the English Language and Communication Program organized by the Dental Education Unit and IQAC of PDCH proved to be a valuable initiative in enhancing the language and communication skills of the students. The combination of the welcoming address by Principal Dr. B Sivapathasundharam, and the insightful coordination by Dr.A.Jayasenthil, ensured that the program was not only informative but also an engaging and enriching experience for all participants.

  
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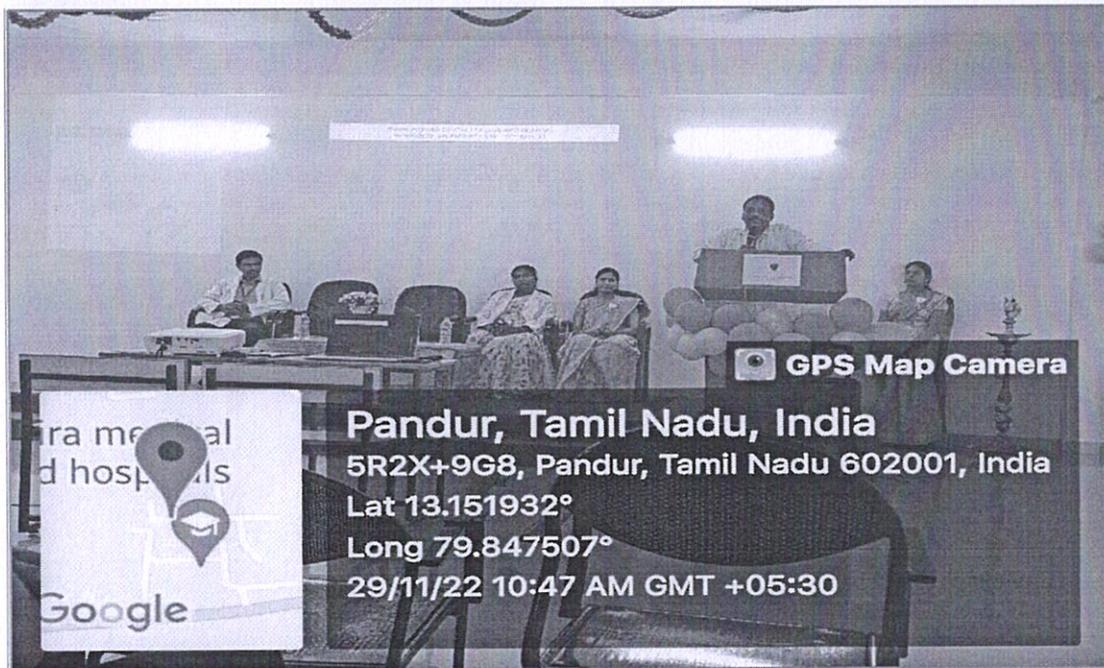


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### WORKSHOP ON PATIENT CARE AND HUMAN VALUES

“Workshop on Patient Care and Human Values” was conducted by IQAC and Dental Education Unit of PDCH on 29<sup>th</sup> November 2022 at Priyadarshini Dental College and Hospital.



By 10.30 a.m workshop started with Tamil Thai Vazthu and followed by welcome address delivered by Dr.M.Pavani, Reader, Department Of Oral Medicine and Radiology.

Principal Dr. B. Sivapathasundharam addressed the gathering, emphasized the significance of patient care. First presentation was on “Community Skills” presented by Dr. R. Ganesh MDS, Professor and Head, Department of Public Health Dentistry.

Second presentation was on “Infection Control, Part – I” handled by Dr. Saneem Ahamed MDS, Professor, Department of Oral and Maxillofacial Surgery. Followed by Infection Control, Part – II by Dr. Prem Karthik MDS, Professor, Department of Oral Pathology and Microbiology.

  
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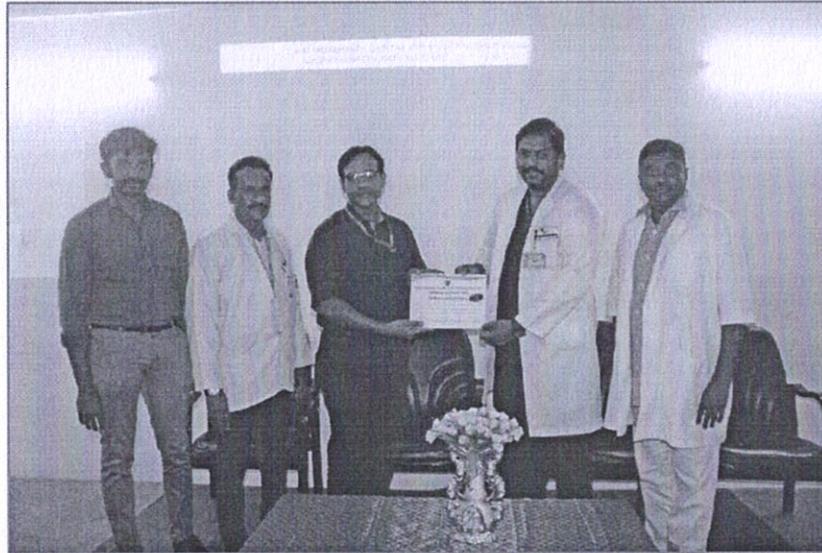
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Third presentation was on “Biomedical Waste Management” presented by Dr. B. Karthika MDS, Profesor, Department Of Oral Medicine and Radiology.

Fourth presentation was on “Professional Ethics” presented by Dr. M.R.C. Rajeswari MDS, Professor and Head, Department of Oral Pathology and Microbiology.

Presentations were followed by training sessions and discussions. Vote of thanks was delivered by Dr. Sheela MDS, Reader, Department Of Prosthodontics. Workshop ended with National Anthem.

### CEPHALOMETRICS - A TOOL FOR HOLISTIC DIAGNOSIS AND TREATMENT PLANNING IN ORTHODONTICS

#### -ANALYTICAL SKILLS

Priyadarshini Dental College and Hospital places a strong emphasis on enhancing students' analytical skills and providing comprehensive training in various subjects. The

*Sheela*

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focus on critical analysis is crucial in the field of dentistry, where precision and attention to detail are paramount.

The Orthodontics department's commitment to instilling knowledge in patient comprehensive diagnosis and treatment planning is vital for producing well-rounded dental professionals. The inclusion of training in cephalometric analysis at the undergraduate level since 2014 is a



noteworthy initiative that sets your institution apart from others. Around 150 participants from final years and Interns for the year 2022- 23 have enrolled and benefitted in this program.

Moreover, the emphasis on treatment objectives and planning contributes not only to the students' academic success but also equips them with practical skills essential for their careers. The incorporation of this knowledge into competitive exam preparation is an added benefit, as it ensures that students are well-prepared for both academic assessments and real-world clinical scenarios.

Priyadarshini Dental College and Hospital's Orthodontics department work is aligned with the goal of producing competent and skilled dental professionals who can excel in their

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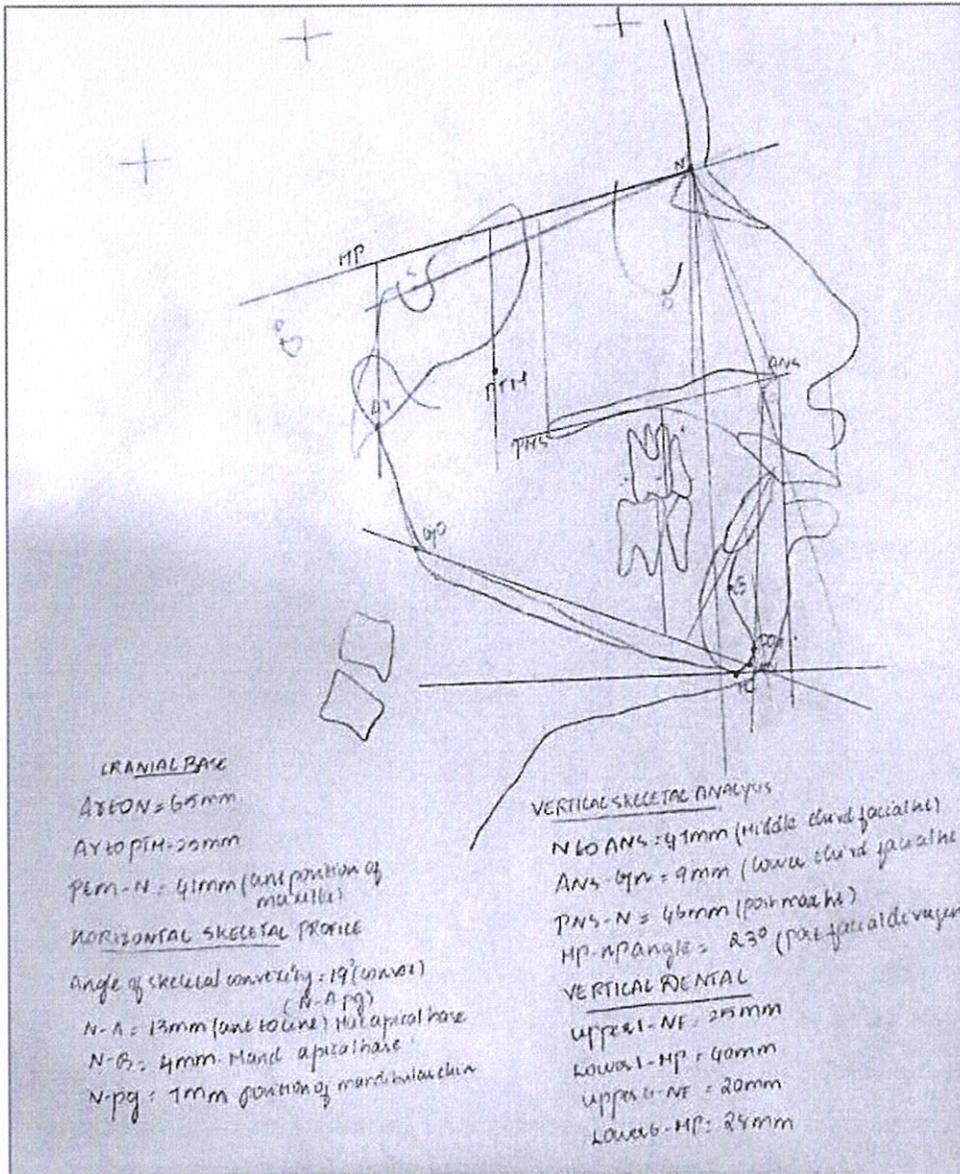
  
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academic pursuits and contribute meaningfully to the field of dentistry. Template of patient assessment is given below



*Signature*

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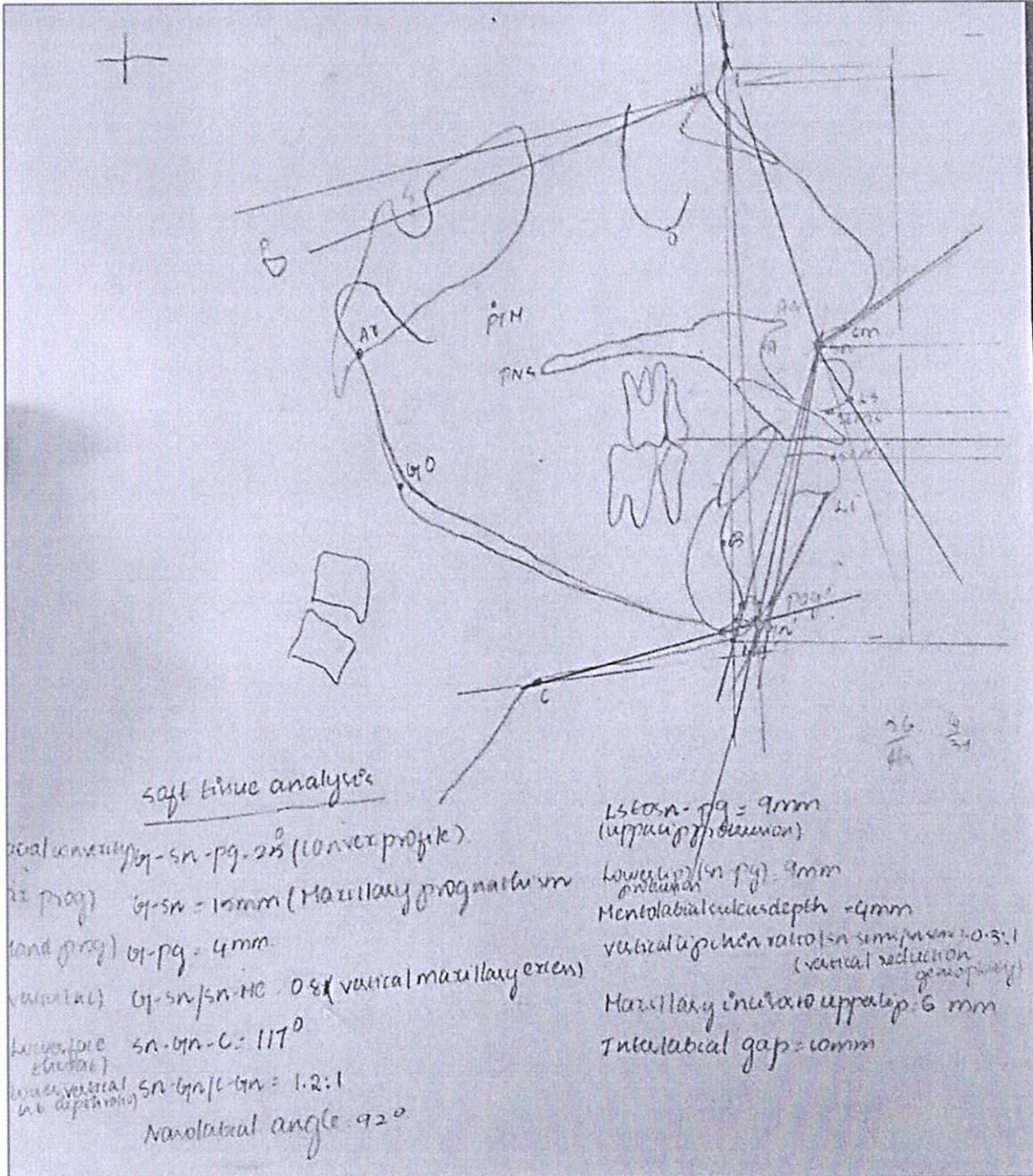
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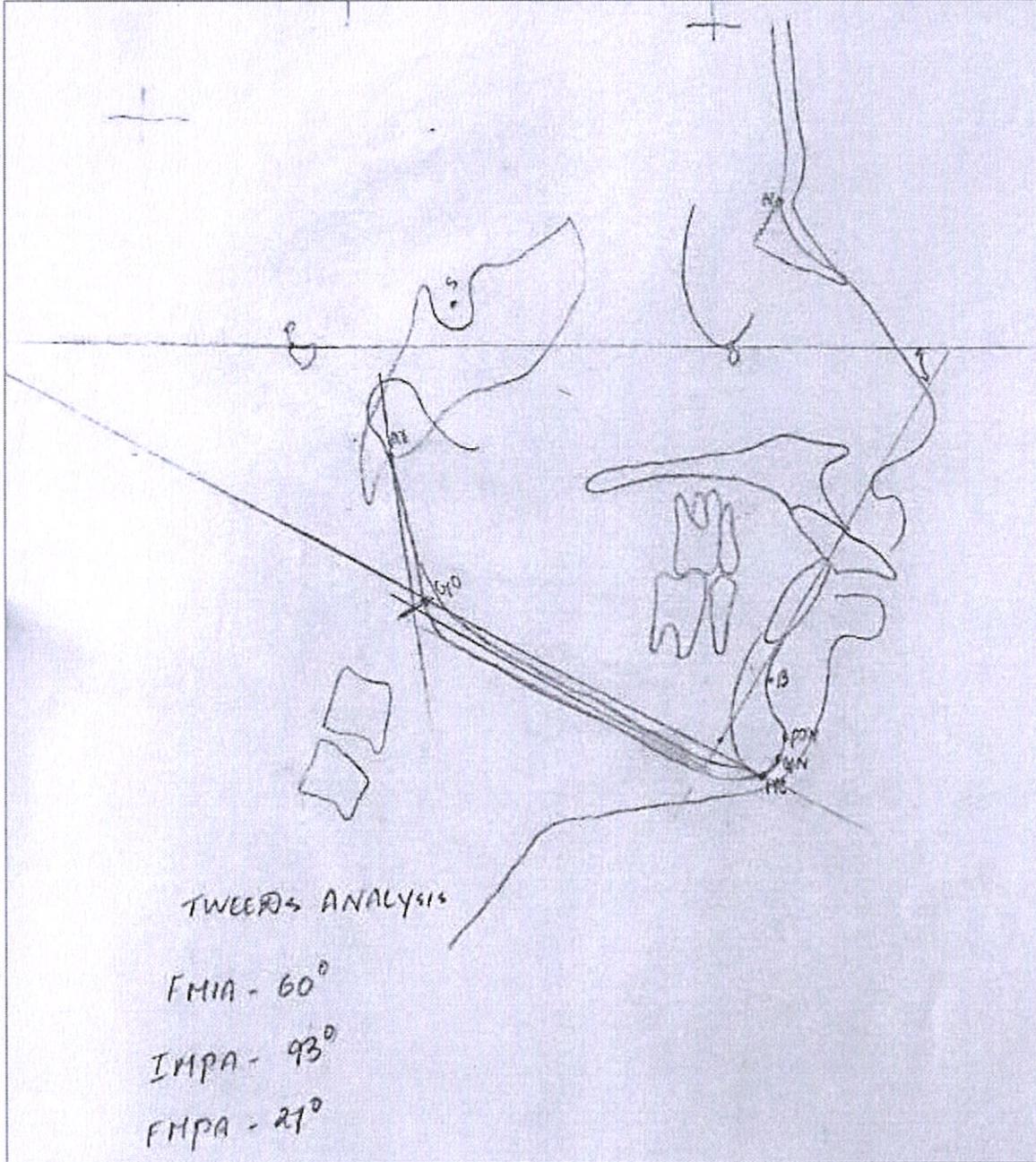
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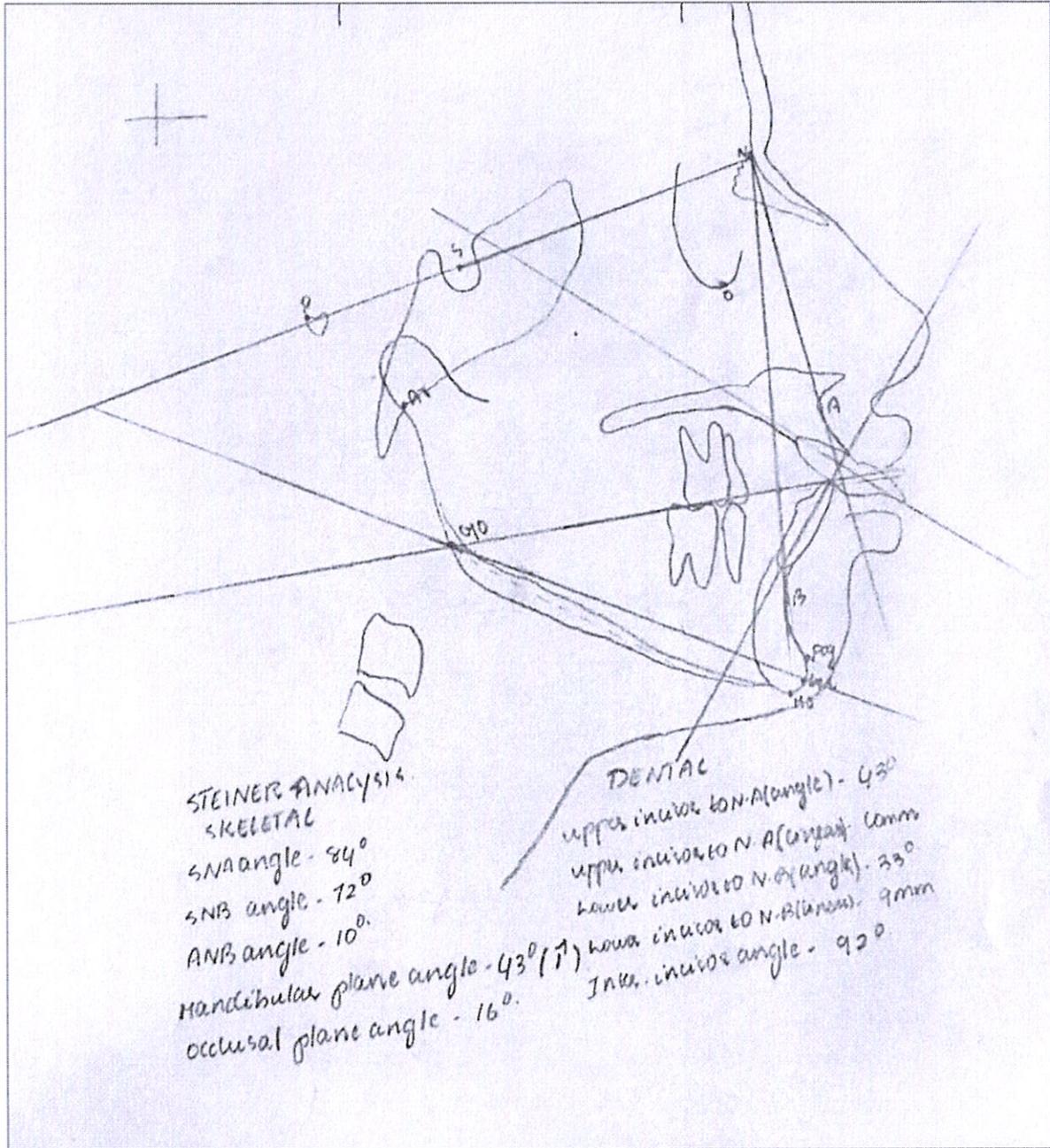
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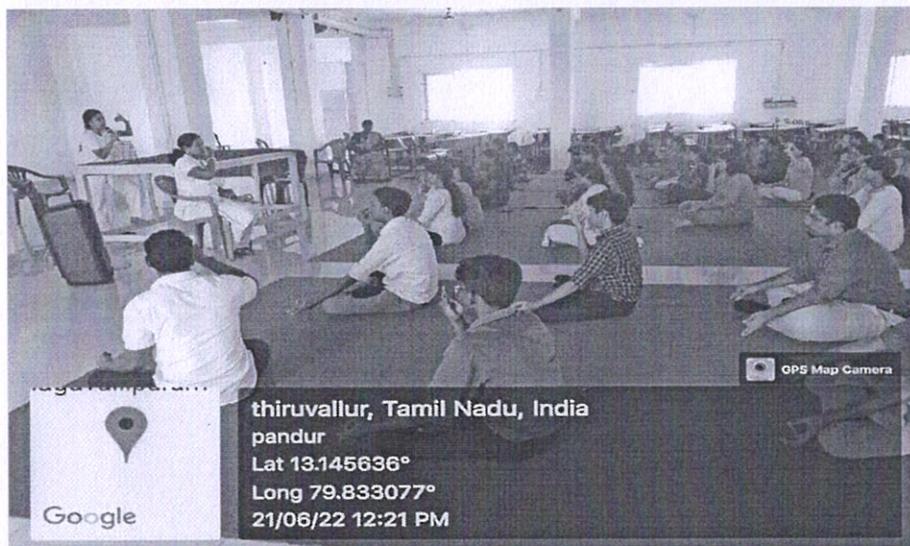
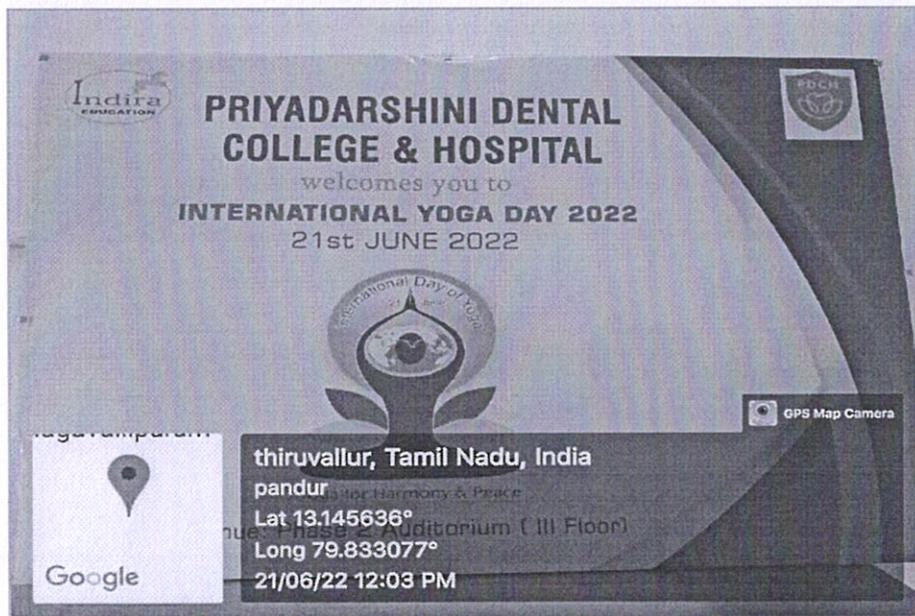
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**2021-22**

## **YOGA A WAY OF LIFE PROGRAM- 21/06/2022**

Yoga program was conducted in Priyadarshini Dental College & Hospital on the occasion of International Yoga Day on 21<sup>st</sup> June 2022.



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*#SunPatan*

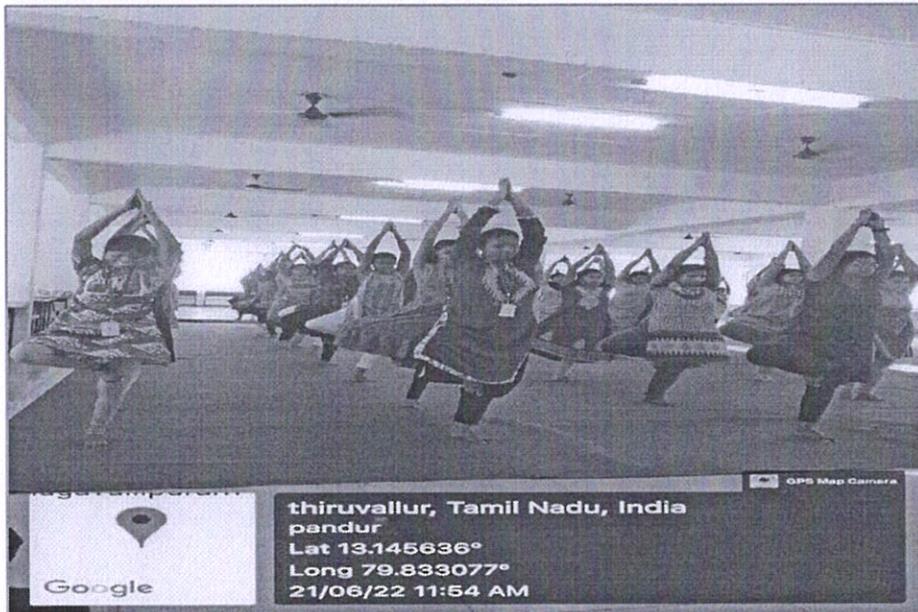


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The program was attended by Managing Director Mrs. Indira Raajendran, Principal Dr. B.Sivapathasundharam, Dr.C.Vijayadhith, Dr. M.R.C.Rajeswari, Dr.R.Ganesh, Dr.G.D.Gomathi, Dr. B.Selvamani, Interns and second year students, Mrs. Uma and Ms. Trisha Gosh, PhD scholars of MAHER were the Yoga trainers for the program.

The program started with Tamizh Thai Vaazthu and a brief address by the Principal, Dr. Sivapathasundharam. Managing Director felicitated the yoga instructors and addressed the gathering. Mrs. Uma delivered a brief note on International Yoga Day. Ms. Trisha Gosh briefed on the importance of Yoga and its benefits. MC was done by Ms. Sangavi, CRI.



*Indira Raajendran*

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**Report on Personality Development - Gillette Guard Program at Priyadarshini Dental College and Hospital**

Venue: Auditorium, Priyadarshini Dental College and Hospital

Date: 06/07/2021

On the 6th of July 2021, an informative and empowering program was held at the Priyadarshini Dental College and Hospital's auditorium. The event focused on grooming tips to boost confidence, particularly tailored for the students who are about to embark on their professional journey. The program was organized by Gillette Guard and guided by Dr.R.Ganesh, Professor, and Head of the Department of Public Health Dentistry.



The highlight of the event was a lecture delivered by Mrs. S. Vanitha, the campaign manager of Gillette Guard. Her speech aimed to empower students with grooming insights that could enhance their confidence, thus aiding in their professional success.

Dr.C.Vijayadhith, Professor and Head of the Department of Orthodontics, and Dr. V. Indira Priyadarshini, Professor in the Department of Public Health Dentistry, graced the occasion as chief guests. Their presence added prestige to the event and highlighted the importance of grooming in the field of dentistry.

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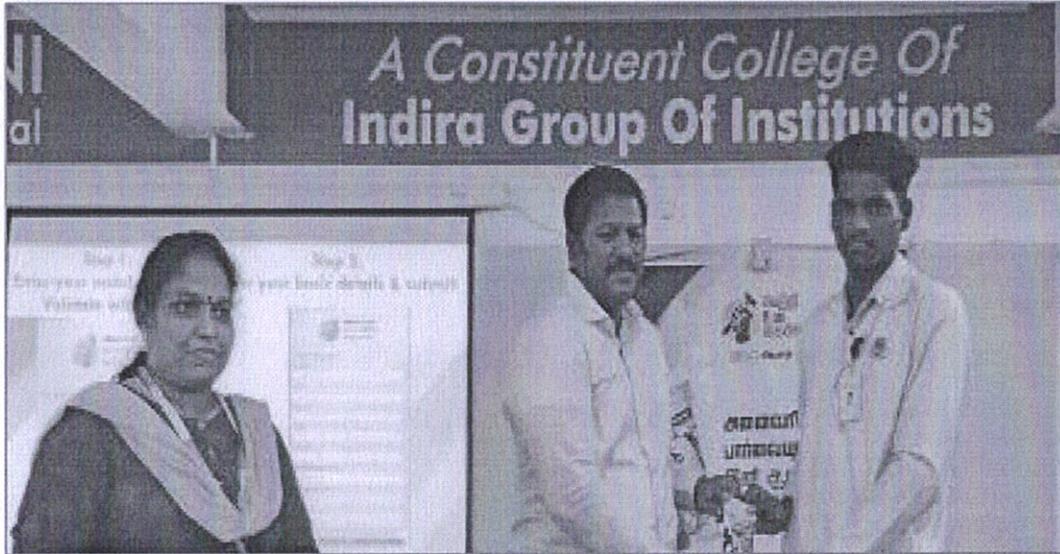
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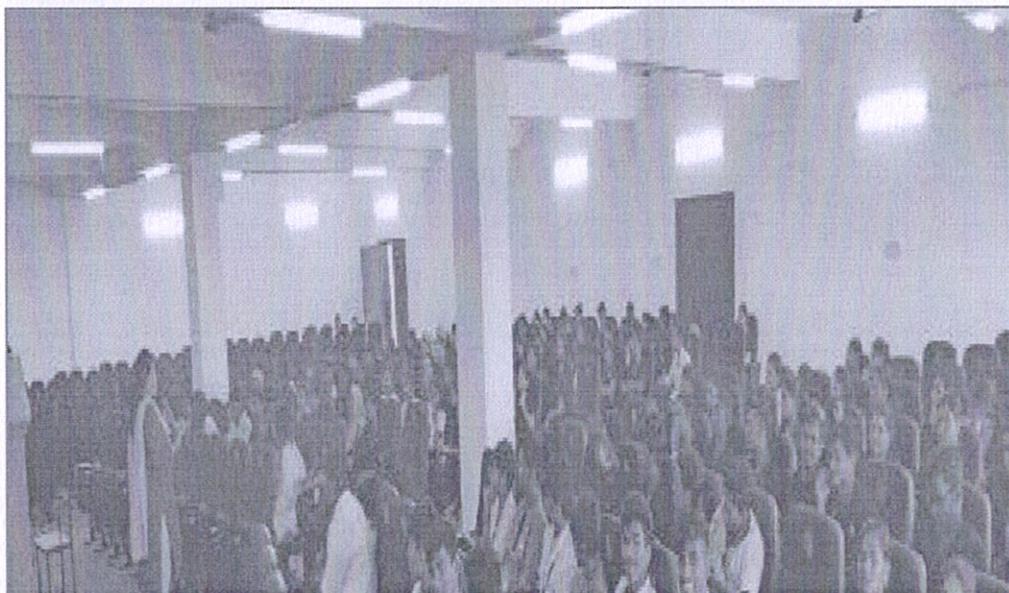
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The entire program was efficiently coordinated by Dr. Lekha, from the Department of Oral pathology. Her efforts ensured the smooth flow of the event and contributed to its overall success.

Mrs. S. Vanitha delivered an engaging lecture, emphasizing the significance of grooming for building confidence. Her insights were tailored to the specific needs of students entering the professional world.



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Dr. C.Vijayadhith and Dr. V. Indira Priyadarshini were honored for their valuable contributions to the field of dentistry. Their presence served as motivation for the students to excel in their chosen paths.

As a token of appreciation, Gillette Guard was provided to all the boys who registered their names on the Gillette Guard website. This not only added a practical dimension to the program but also allowed the students to implement the grooming tips shared during the event.

The Gillette Guard program at Priyadarshini Dental College and Hospital was a resounding success, leaving a positive impact on the students. The combination of an insightful lecture, the presence of esteemed guests, and the practical distribution of grooming tools made the event both educational and rewarding. The initiative is commendable for promoting grooming awareness among the future professionals in the field of dentistry.

**HUMAN VALUE DEVELOPMENT – YOUTH RED CROSS –**  
**BLOOD DONATION**

Priyadarshini Dental College and Hospital is an active and registered member of the Indian Red Cross Society. In order to foster the development of human values among all students of Priyadarshini Dental College and Hospital, it is advised that they become members of the Youth Red Cross Committee.

The Youth Red Cross Committee from Priyadarshini Dental College and Hospital, in collaboration with the Department of Transfusion Medicine, Tamil Nadu Dr. MGR Medical University, organized a blood donation camp on April 20, 2022. The aim was to support the life-saving efforts of medical colleges and hospitals in Tamil Nadu and also to enhance the human values among the students.

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Dr. P. Armugam, MD, Professor and Head of the Department of Transfusion Medicine, Tamil Nadu Dr. MGR Medical University, graced the event as the Guest of Honor. The camp was inaugurated by the Principal, Dr. B. Sivapathasundaram. Dr. R. Ganesh, Head of the Public Health Dentistry Department and Organizing Secretary of the blood donation camp, along with the Youth Red Cross Program Officer, coordinated the event. A total of 34 volunteers donated blood at the camp.

Both students and staff from PDCH participated in the blood donation camp, which took place at Indira Medical College and Hospital from 9:30 AM to 3:00 PM. Before donation, participants underwent a screening test to determine their eligibility. The screening involved assessing physical fitness, hemoglobin levels, and blood pressure. Qualified donors, under the guidance and consultation of doctors, had their blood collected in blood bags with anticoagulant.

A total of 83 individuals volunteered for the blood donation camp, out of which 34

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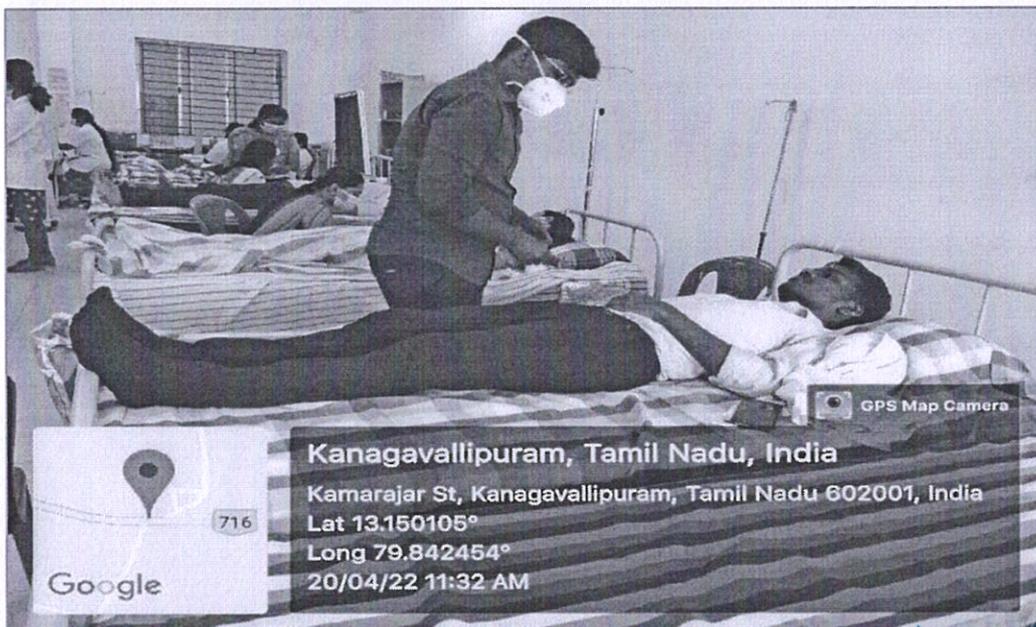
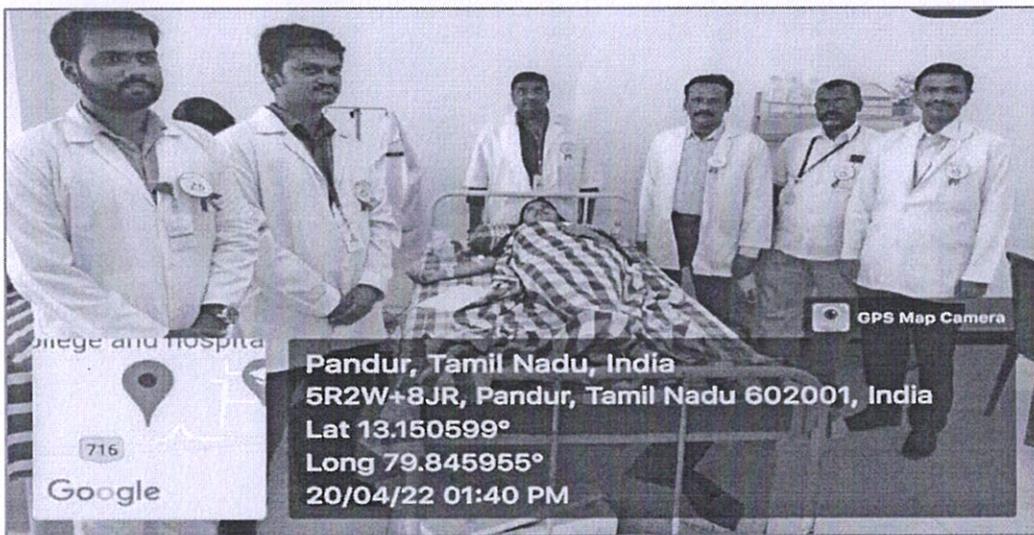
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successfully donated blood. Refreshments were provided to the donors as a token of appreciation. The camp was conducted under the supervision of PDCH's Department of Public Health Dentistry and the medical team from Tamil Nadu Dr. MGR Medical University's Department of Transfusion Medicine. Certificates were provided to the donors by the medical team of Dr. MGR Medical University.



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### **CEPHALOMETRICS - A TOOL FOR HOLISTIC DIAGNOSIS AND TREATMENT PLANNING IN ORTHODONTICS**

#### **-ANALYTICAL SKILLS**

Priyadarshini Dental College and Hospital places a significant emphasis on bolstering students' analytical skills and delivering comprehensive training across various subjects. The pivotal role of critical analysis holds immense importance in the field of dentistry, given the paramount precision and attention to detail required. The Orthodontics department is dedicated to nurturing a profound understanding of patient comprehensive diagnosis and treatment planning, contributing to the development of well-rounded dental professionals.



A noteworthy initiative that distinguishes our institution is the integration of Cephalometric Analysis training at the undergraduate level, a practice implemented since 2014. This proactive approach sets us apart from other institutions. Notably, for the academic year 2021-22, approximately 148 participants from final years and interns have enrolled in this program, showcasing the widespread recognition and participation in this valuable educational opportunity.

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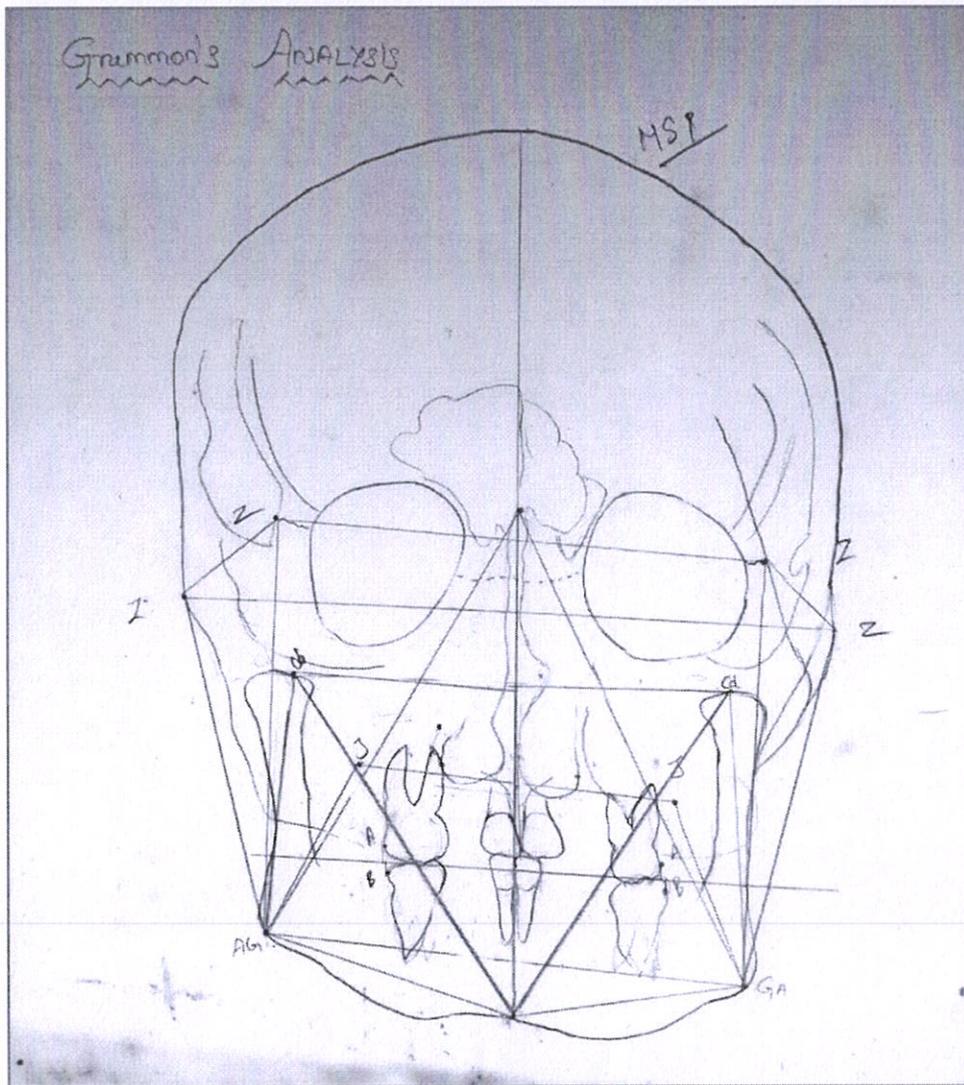
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The emphasis on treatment objectives and planning contributes not only to the students' academic success but also equips them with practical skills essential for their careers. The incorporation of this knowledge into competitive exam preparation is an added benefit, as it ensures that students are well-prepared for both academic assessments and real-world clinical scenarios.



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## GRUMMON'S ANALYSIS

| Horizontal plane    | left | Right |
|---------------------|------|-------|
| MSR to Z (Linear)   | 50mm | 49mm  |
| MSR to AZ (Linear)  | 68mm | 62mm  |
| MSR to J (Linear)   | 33mm | 32mm  |
| MSR to A61 (Linear) | 50mm | 46mm  |

Mandibular morphology

$$\Rightarrow \left| \begin{matrix} \text{Left} \\ \text{A61, Me, cd} \end{matrix} \right| = \left| \begin{matrix} \text{Right} \\ \text{A61, Me', cd'} \end{matrix} \right|$$

volumetric comparison

$$\Rightarrow \left| \begin{matrix} \text{Left} \\ \text{A61, cd, MSR, Me} \end{matrix} \right| > \left| \begin{matrix} \text{Right} \\ \text{A61, cd', MSR, Me} \end{matrix} \right|$$

maxilomandibular comparison

$$\Rightarrow \left| \begin{matrix} \text{Left} \\ \text{cg, A61, MSR} \end{matrix} \right| > \left| \begin{matrix} \text{Right} \\ \text{cg, A61, MSR} \end{matrix} \right|$$

$$\Rightarrow \left| \begin{matrix} \text{Left} \\ \text{cg, J, MSR} \end{matrix} \right| > \left| \begin{matrix} \text{Right} \\ \text{cg, J', MSR} \end{matrix} \right|$$

Frontal Vertical Proportions:

- ⇒ Upper facial ratio - 66:113
- ⇒ lower facial ratio - 59:113
- ⇒ Maxilla ratio - 23:59
- ⇒ Total maxillary ratio - 23:113
- ⇒ Mandibular ratio - 42:59
- ⇒ Total mandibular ratio - 42:113

*[Signature]*

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### RICKETT'S ANALYSIS

#### Dental Relations.

| S.No | Variable                       | Normal value |                      |
|------|--------------------------------|--------------|----------------------|
| 1.   | Molar relation left (A6-B6)    | 1.5 ± 2mm    | 1mm (Normal)         |
| 2.   | Molar relation right (A6'-B6') | 1.5mm ± 2    | 1mm (Normal)         |
| 3.   | Intermolar width (B6-B6')      | 55mm ± 2     | 56mm (Normal)        |
| 4.   | Denture Midline                | 0mm          | 1.5mm (Towards left) |

#### Skeletal Relations

| S.No | Variable                      | Normal value |                                   |
|------|-------------------------------|--------------|-----------------------------------|
| 1    | Maxillomandibular width left  | 11mm ± 1.5mm | 14mm (NO skeletal crossbite)      |
| 2    | Maxillomandibular width right | 11mm ± 1.5mm | 14mm (NO skeletal crossbite)      |
| 3    | Maxillomandibular midline     | 0 ± 2        | 0' (NO skeletal midline shift)    |
| 4    | Maxillary width               | 61.9mm ± 2mm | 64mm (Normal Palatal growth)      |
| 5    | Mandibular width              | 76.1mm ± 2mm | 85mm (Increased mandibular width) |

#### Dental to Skeletal

| S.No | Variable                 | Normal value |                                    |
|------|--------------------------|--------------|------------------------------------|
| 1    | lower molar to jaw right | 6.3mm ± 1.7  | 9mm (Bucco-mandibular expansion)   |
| 2    | lower molar to jaw left  | 6.3mm ± 1.7  | 14mm (Bucco-mandibular expansion)  |
| 3    | Denture-jaw midline      | 0mm ± 1.5    | 0.2mm (Midline shift towards left) |
| 4    | occlusal plane tilt      | 0mm ± 2mm    | 3mm (Normal)                       |

#### Jaw to Cranium Relation.

|    |                   |         |             |
|----|-------------------|---------|-------------|
| 1. | Postural Symmetry | 0' ± 2' | 2' (Normal) |
|----|-------------------|---------|-------------|

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### Inner structural Problems.

| S No | Variable      | Normal Value                |                |
|------|---------------|-----------------------------|----------------|
| 1    | Nasal width   | 28.5 ± 2 (at age 14 year)   | 28mm (Normal)  |
| 2    | Nasal height  | 49.5 ± 2 (at age 14 year)   | 51mm (Normal)  |
| 3    | Facial width: | 128 ± 2mm (at age 14 years) | 130mm (Normal) |

### PA Cephalometric Diagnosis:

Ricketts analysis indicates unilateral asymmetry with bucco-mandibular expansion on left side 6mm and on right side 1mm.

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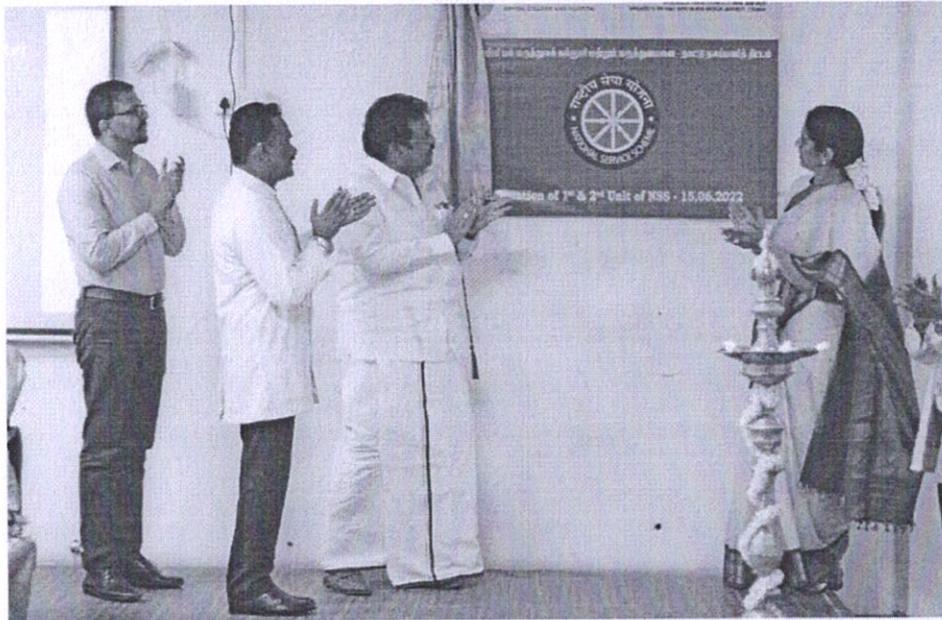


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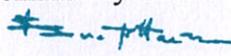
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**Report on National Service Scheme (NSS) Activities and Human Value Development at Priyadarshini Dental College and Hospital**

The National Service Scheme (NSS) is a flagship program initiated by the Government of India under the Ministry of Youth Affairs and Sports. It aims to instil the spirit of Human Value Development through community service, social responsibility, and national integration among the youth through various voluntary activities. Priyadarshini Dental College and Hospital have been actively involved in the NSS program since its approval by the Ministry on June 13, 2022. The institution houses two self-financing units of NSS, engaging a significant number of students in diverse service-oriented endeavors.



As of the current update, there are two self-financing units of NSS operating within Priyadarshini Dental College and Hospital. The institution boasts an impressive enrollment of approximately 300 students actively involved in NSS activities. This substantial participation underscores the enthusiasm and commitment of the student body towards community service and societal welfare.

  
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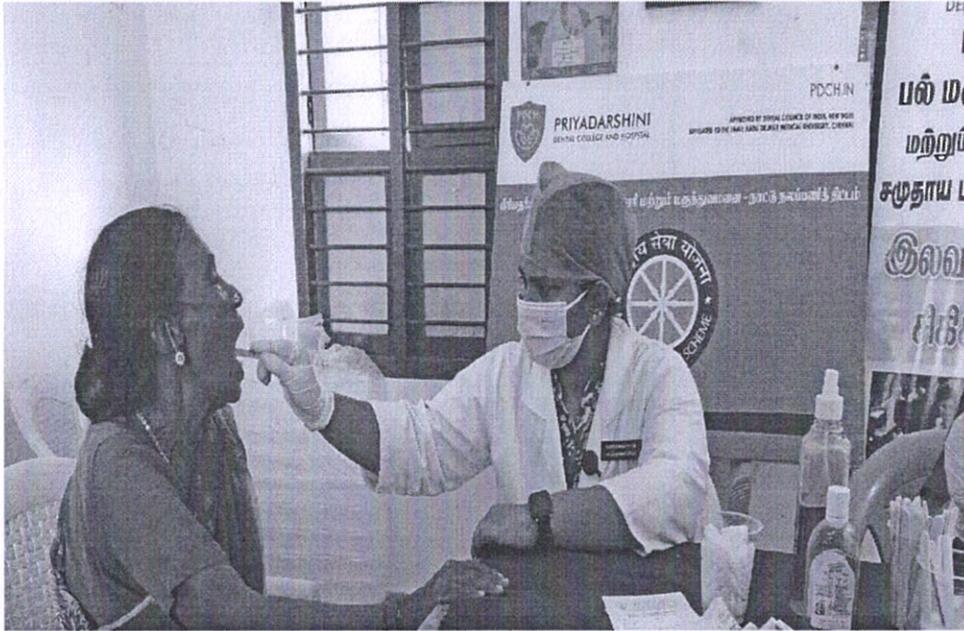
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The NSS units at Priyadarshini Dental College and Hospital have been actively engaged in a myriad of activities aimed at addressing various social issues, promoting health awareness, and fostering inclusive development. Some of the key activities undertaken by the NSS units include:

Organizing and conducting health camps in underserved communities to provide basic healthcare services, dental check-ups, and awareness sessions on hygiene and sanitation practices. Collaborating with local blood banks and organizing blood donation drives to contribute to the blood supply for medical emergencies and patients in need.

Conducting awareness campaigns on crucial issues such as oral hygiene, tobacco cessation, mental health awareness, and environmental conservation.



Organizing educational programs, workshops, and skill development sessions for the underprivileged sections of society to enhance their knowledge and empower them for a better future.

Participating in cleanliness drives and initiatives under the Swachh Bharat Abhiyan to promote cleanliness, sanitation, and waste management practices in the surrounding areas.

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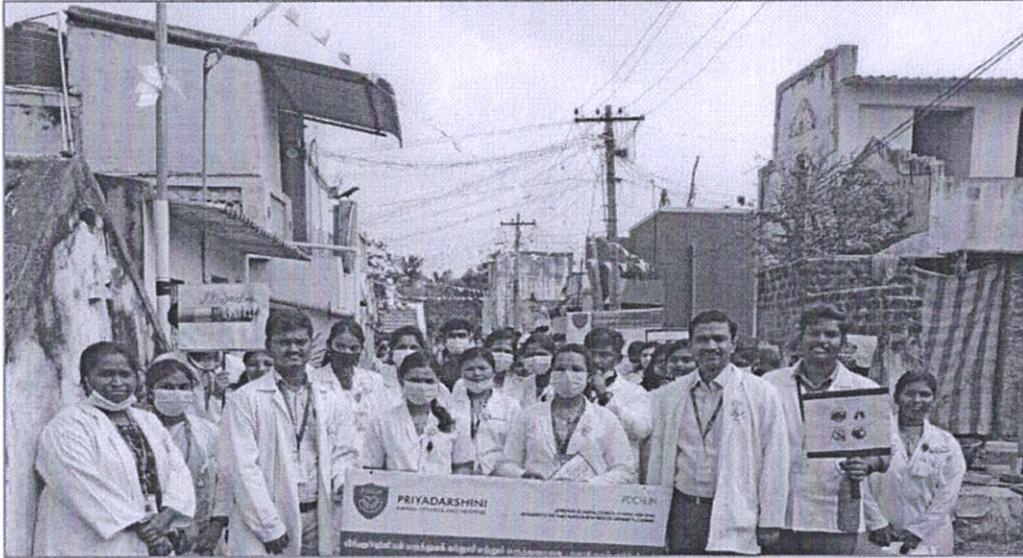
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Actively engaging with the local community through initiatives like adoption of villages, volunteering at orphanages and old age homes, and organizing cultural exchange programs to promote mutual understanding and social harmony.



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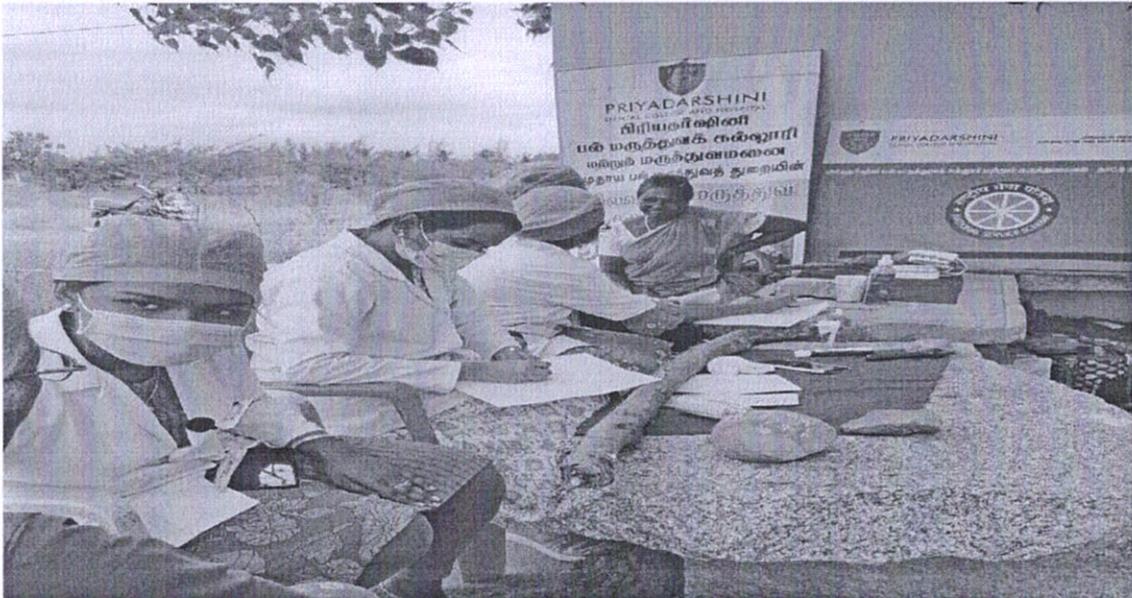
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The NSS activities at Priyadarshini Dental College and Hospital have made a significant impact on both the participating students and the communities served. Through their dedicated efforts, the NSS units have been able to reach out to a wide cross-section of society, positively influencing lives and fostering sustainable development. The impact of these activities extends beyond immediate beneficiaries, contributing to the overall social fabric and fostering a sense of responsibility and citizenship among the youth.



The National Service Scheme activities at Priyadarshini Dental College and Hospital serve as a testament to the institution's commitment to social responsibility and community engagement. Through their proactive involvement in diverse service-oriented initiatives, the NSS units have not only enriched the lives of the beneficiaries but also nurtured a generation of socially conscious and empathetic citizens. As we look towards the future, it is imperative to sustain and strengthen these efforts, ensuring that the spirit of volunteerism and social service continues to thrive within the institution and beyond.

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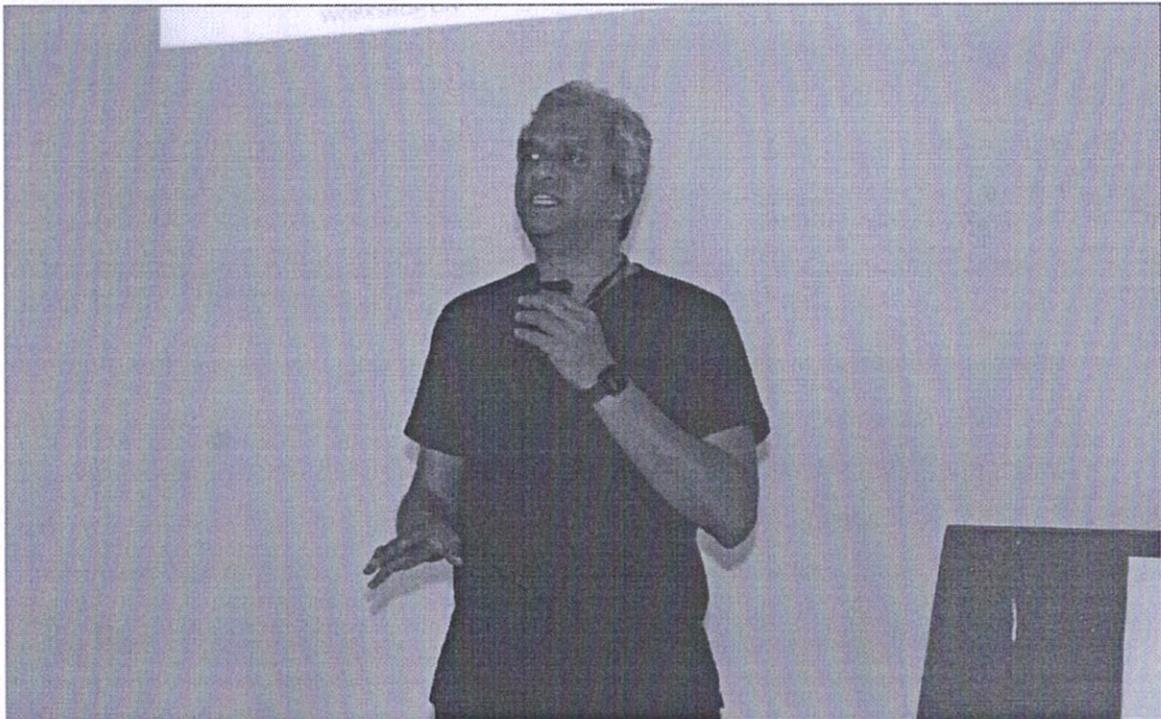
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**2020-21**

**WORKSHOP ON CLINICAL PHOTOGRAPHY - REPORT**

The workshop on Photography was organized by the Dental Educational Unit of Priyadarshini Dental College on June 5th, 2021. In attendance were the Principal, Vice Principal, Heads of Departments, faculty members, as well as first, second, third, final year, and CRI students of Priyadarshini Dental College & Hospital.



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The session commenced with the rendition of Tamizh Thai Vaazhthu. Dr. B. Prem Karthick, Reader in Oral Pathology, extended a warm welcome and introduced the resource person, Dr. Abby Abraham, a renowned Prosthodontist and Implantologist. Dr. C. Vijayadhith, Professor and Head of the Department of Orthodontics, felicitated Dr. Abby Abraham as the resource person for the day.

Throughout the workshop, four lectures were delivered on various aspects of photography. Dr. Abby Abraham covered topics such as the basics of Photography and Videography, Image Quality, Megapixels, as well as techniques for indoor and outdoor photography using smartphone settings. Practical tips on capturing proper photographs and high-quality videos were also shared.

Following each lecture, there were interactive discussions among the staff and students, followed by hands-on sessions on both days to reinforce the learning. Towards the conclusion, Principal Dr. S. Balasundaram presented a certificate to Dr. Abby Abraham as a token of appreciation for his valuable insights. Dr. A. Jayasenthil delivered the vote of thanks, expressing gratitude to all participants. The workshop concluded with the National Anthem, marking the end of the informative and engaging session.

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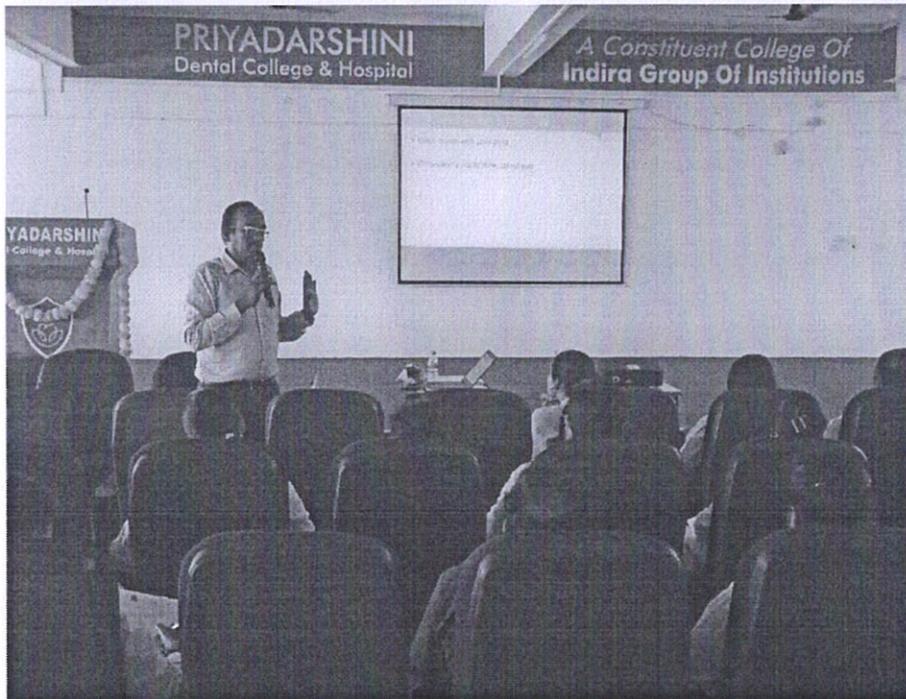


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**2019-20**

**SOFT SKILL AND PERSONALITY DEVELOPMENT-REPORT**



The Dental Educational Unit of Priyadarshini Dental College conducted a course on Soft skills and Personality development on 19.02.2020. The course was attended by the Principal, Vice Principal, and Heads of the Department, Faculty members, First BDS, Second BDS and Third BDS students of Priyadarshini Dental College & Hospital.

Tamizh Thai Vaazhthu starting off the course. The welcome speech was given by senior lecturer in periodontology, Dr. V. Vasanth Ayswarya. The Dental Educational Unit's chair, Dr. A. Jayasenthil, introduced Mr. A. L. Perchiappan, a soft skill trainer, as the resource. Principal Dr. S. Balasundaram congratulated the day's resource person.

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On the subject of personality development and communication skills, three lectures were given.. He explained about the self-understanding and self -assessment. He elaborated on the importance of communication skills and key to communicate effectively. He briefly explained about what is attitude and critical thinking

After each lecture, the topic was open for discussion among the staffs and the students. Later Principal, Dr. S. Balasundaram felicitated the resource person with the certificate as a token of appreciation. Dr. V. Vasanth Ayswarya, delivered the vote of thanks. Finally, the workshop was concluded with the National Anthem.

**CEPHALOMETRICS - A TOOL FOR HOLISTIC DIAGNOSIS AND**  
**TREATMENT PLANNING IN ORTHODONTICS**  
**-ANALYTICAL SKILLS**

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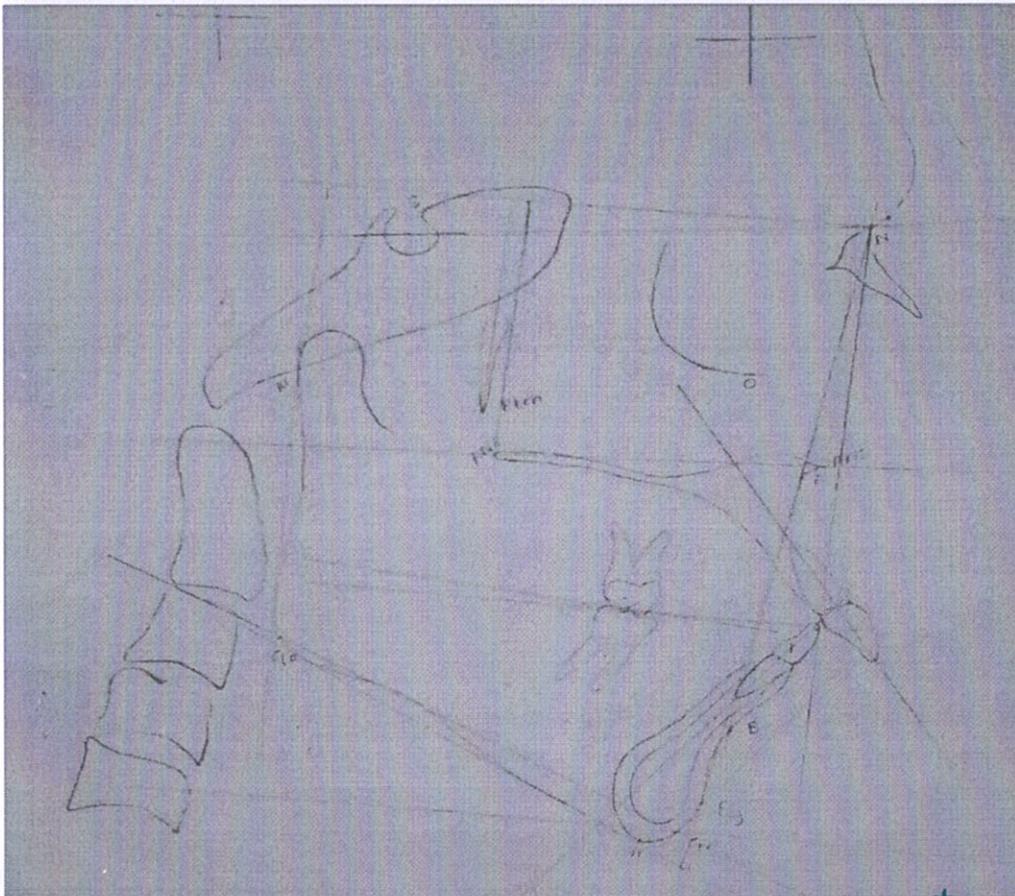
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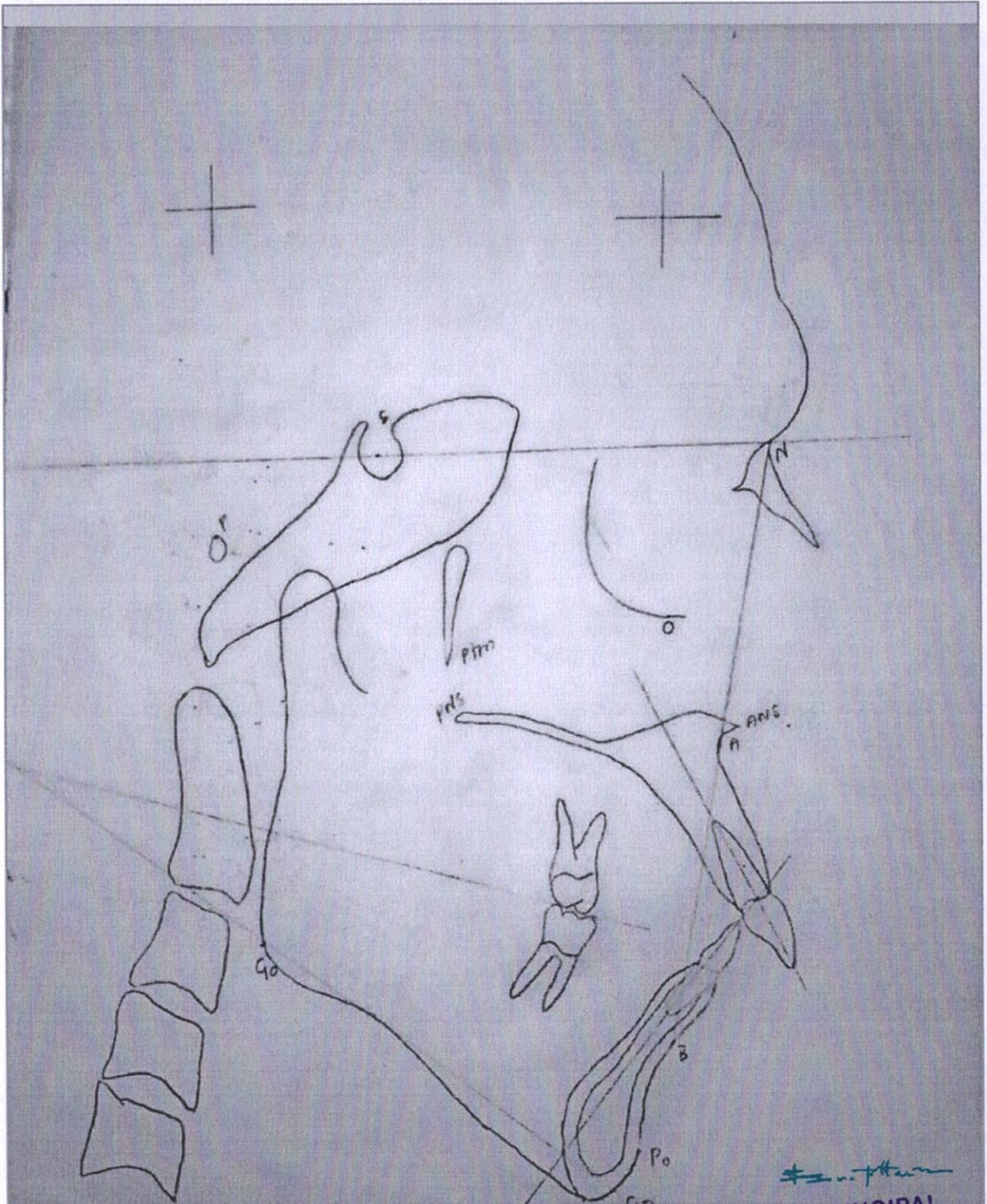
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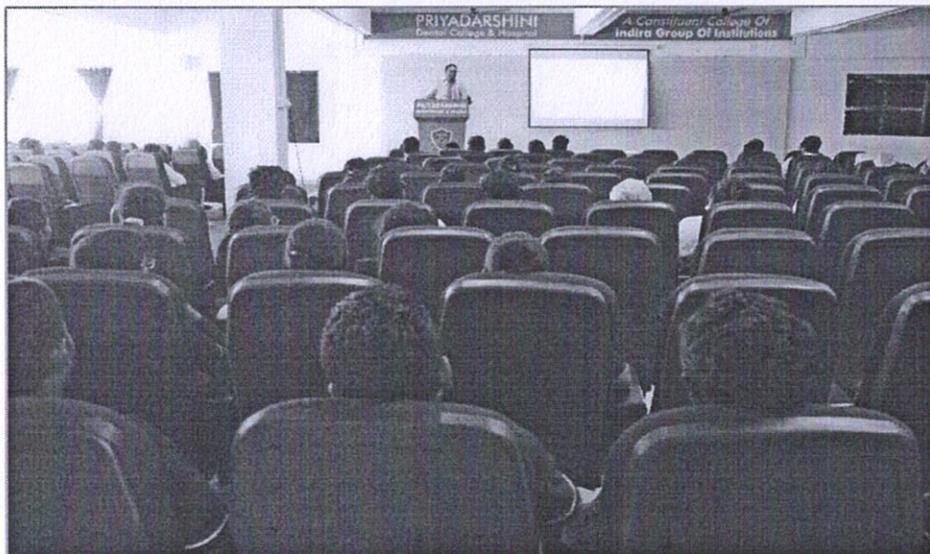
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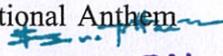
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### DRAWING AND PAINTING COURSE-REPORT ON 18<sup>TH</sup> SEPTEMBER 2019



The Dental Educational Unit of Priyadarshini Dental College conducted a course on drawing and painting on 18<sup>th</sup> September 2019. The course was attended by the Principal, Vice Principal, and various Head of Departments, Faculty members, Final BDS and CRI students of Priyadarshini Dental College & Hospital.

The course began with Tamizh thai Vaazhthu. The welcome speech was given by senior lecturer in periodontology, Dr. Ayswarya. Mr. Muralidharan, the resource person, was introduced by Dr. A. Jayasenthil, Chairperson of the Dental Educational Unit. Honouring the resource person of the day was Dr. Vijayadhith. C., Professor and Head of the Department of Orthodontics. On the subject of drawing and painting, there were four lectures given in addition to a practical session. He gave an explanation of pencil drawing techniques. He offered a briefing on advanced oil pastel drawing and pointed out fundamental shading techniques. Following each presentation, staff and students were free to discuss the subject. Each participant had the opportunity to demonstrate their drawing skills. Later, as a thank you, Principal Dr. Balasundaram presented the resource person with a certificate of gratitude. Dr. V. Vasanth Ayswarya presented the vote of gratitude. Ultimately, the National Anthem marked the end of the course.

  
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**2018-19**

**PHONETICS AND PHONOLOGY COURSE IN THE ENGLISH LANGUAGE**

The Phonetics and Phonology course in the English language was conducted by the Dental Educational Unit of Priyadarshini Dental College on April 1st, 2019. Dr. Venkat Prasad, Dr. Prasad - Vice Principal, along with various Heads of Departments, faculty members, and BDS students of Priyadarshini Dental College & Hospital were the beneficiaries of this educational initiative. The course commenced with the rendition of Tamizh Thai Vaazhthu. Dr. Prem Karthick, Reader of Oral Pathology, extended a warm welcome to the attendees.



Dr. S. Balasundaram, Chairperson of the Dental Educational Unit, introduced the esteemed resource person, Dr. Radhika Vidhyasagar M.Ed, PhD. Dr. B. Karthiga, Reader from the Department of Oral Medicine, felicitated Dr. Radhika Vidhyasagar as the resource person for the day.

*S. Balasundaram*

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The lecture focused on the intricate aspects of Phonetics and Phonology in the English language. Dr. Radhika Vidhyasagar elucidated upon phonetics, common grammatical errors in English, and discussed English as a language. She provided insights into communication skills, advanced English, and shared valuable tips on improving fluency in spoken English.

Following each presentation, the floor was opened for discussions among the staff and students, fostering an interactive learning environment. Subsequently, Dr. M. K. Venkat Prasad, the Dean, presented a certificate to Dr. Radhika Vidhyasagar as a token of appreciation for her valuable contribution. Dr. Prem Karthick then delivered the vote of thanks, expressing gratitude to all involved in making the course a success. The session concluded with the rendition of the National Anthem, marking the end of the educational endeavor.

## **YOGA AND AWARENESS PROGRAM REPORT**

The Dental Education Unit of Priyadarshini Dental College and Hospital arranged a Yoga wellness program for the students on International Yoga Day, June 21, 2019. Mr. R.Suresh Babu a Yoga instructor for eleven years, led the session, which was attended by Dr. C. Vijayadhith, Dr. Jeyamarthan, Dr. Rajeswari, and CRI students.

Ms. Preetha Prasad, from CRI, gave the welcome speech, while Dr. S. Balasundaram, Chairman of DEU, introduced the instructor. Dean Dr. M.K. Venkat Prasad felicitated the event. Mr. R.Suresh Babu elucidated on the importance of incorporating Yoga into daily routines and its professional benefits. Following this, the practical session commenced.

*S. N. Prasad*

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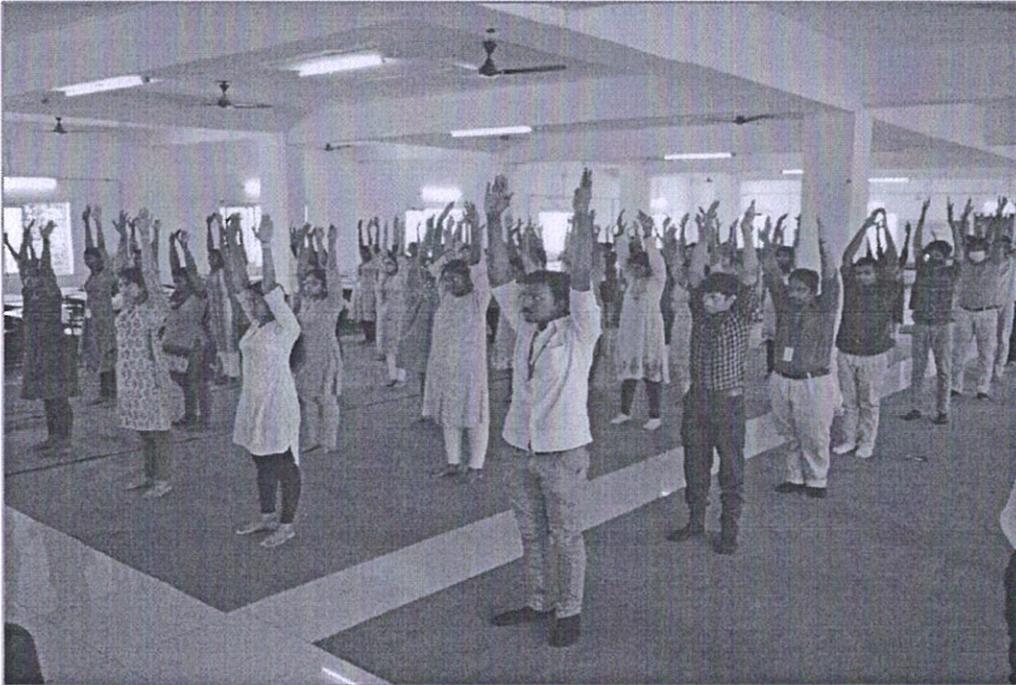


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The session began with various Yogasanas such as Irai vanakkam, padmasana, Artha padmasana, Yoga mudra, along with Pranayama and Nadi stuthi. Participants were guided through a series of asanas including Vajrasana, Ushtrasana, Pavana muktasana, Vrukshasana, Pakshimuktasana, Bujangasana, Sethu bandhasana, Trikonasana, konasana, Surya namaskaram, and Meditation, spanning 2 hours.

Principal and Dean Dr. M.K. Venkat Prasad presented Mr. R.Suresh Babu with a certificate as a token of appreciation. Ms. Preetha Prasad, representing the students, delivered the vote of thanks, expressing gratitude to all involved.



*M.K. Venkat Prasad*

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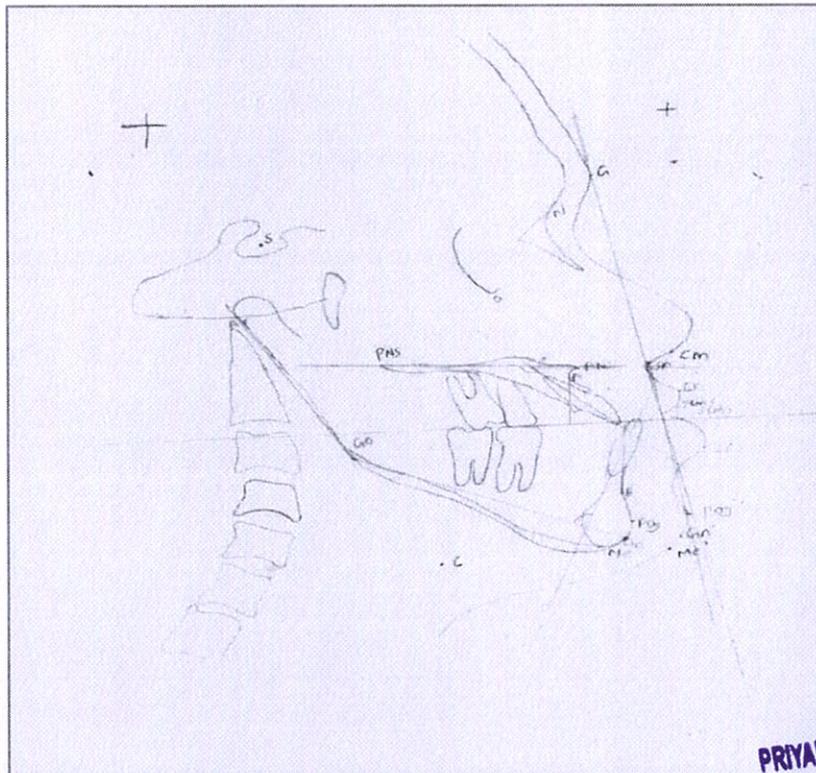


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**CEPHALOMETRICS - A TOOL FOR HOLISTIC DIAGNOSIS  
AND TREATMENT PLANNING IN ORTHODONTICS -  
ANALYTICAL SKILLS**

Priyadarshini Dental College and Hospital places a strong emphasis on enhancing student's analytical skills and providing comprehensive training in various subjects. The focus on critical analysis is crucial in the field of dentistry, where precision and attention to detail are paramount. The Orthodontics department commitment to instilling knowledge in patient comprehensive diagnosis and treatment planning is vital for producing well-rounded dental professionals. The inclusion of training in Cephalometric Analysis at the undergraduate level since 2014 is a noteworthy initiative that sets our institution apart from others. All the 197 participants from final years and Interns for the year 2018-19 have enrolled in this program



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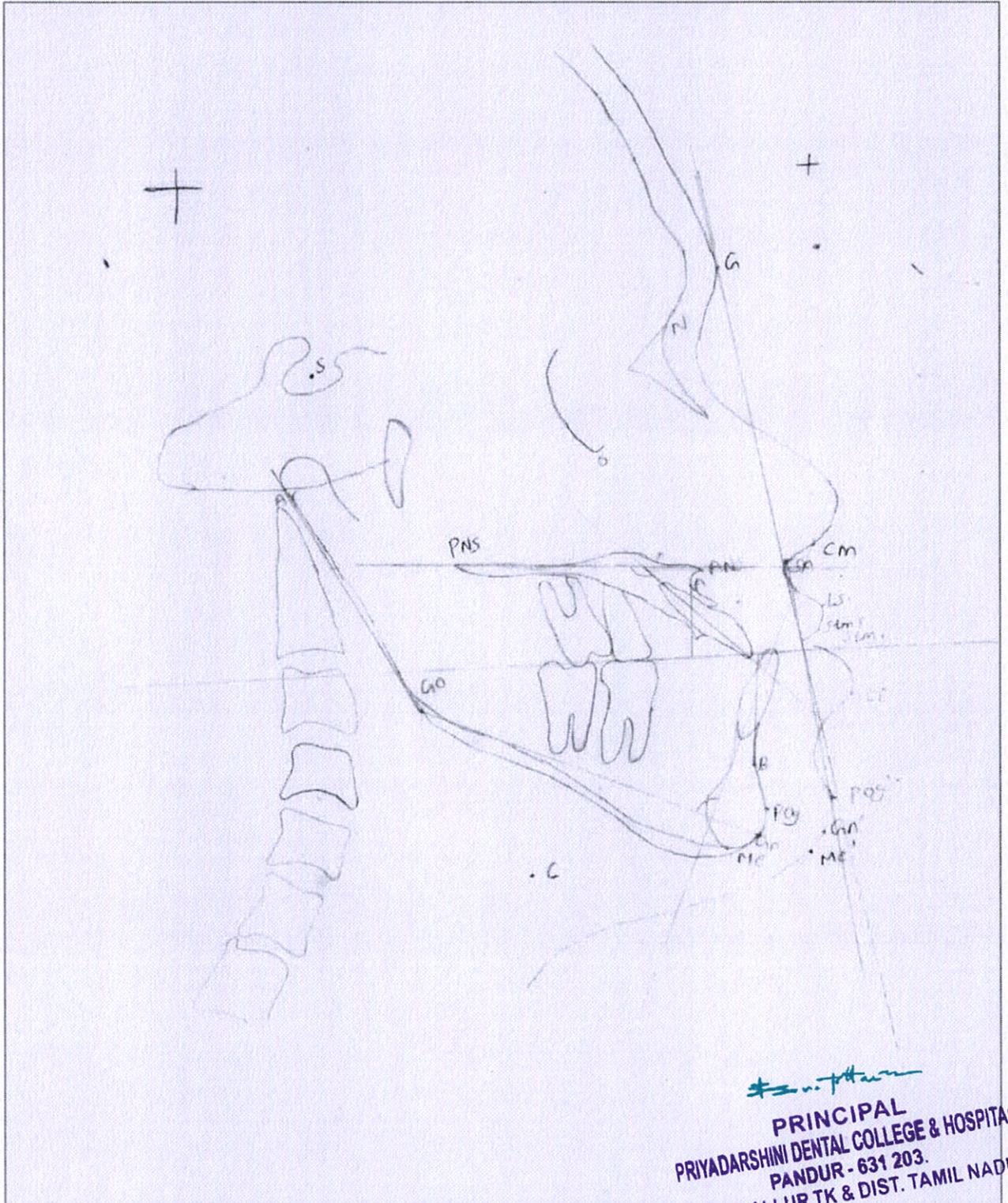
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**STEINER'S ANALYSIS**

**SKELETAL PARAMETERS:**

|                        |          |                               |
|------------------------|----------|-------------------------------|
| SNA Angle              | 82° ± 2° | 86.5° Prognathic maxilla      |
| SNB Angle              | 80° ± 2° | 92.5° Prognathic mandible     |
| ANB Angle              | 2°       | -6° Skeletal class II         |
| Occlusal plane angle   | 14.5°    | 7° Horizontal growth pattern  |
| Mandibular plane angle | 32°      | 30° Horizontal growth pattern |

**DENTAL PARAMETERS:**

|                               |              |                                      |
|-------------------------------|--------------|--------------------------------------|
| Upper incisor to N-A (angle)  | 22°          | 44° proclined upper incisor          |
| Upper incisor to N-A (linear) | 4mm          | 10mm Forwardly placed upper incisor  |
| Lower incisor to N-B (angle)  | 25°          | 28° proclined Lower incisor          |
| Lower incisor to N-B (linear) | 4mm          | 8mm Forwardly placed lower incisor   |
| Inter incisal angle           | 130° to 131° | 116° Proclined upper & lower incisor |

**SOFT TISSUE ANALYSIS:**

S line: Lips are behind the S-line indicates concave profile.

**INFERENCE:** Steiner's Analysis indicates prognathic maxilla & mandible with Horizontal growth pattern in skeletal parameter & proclined upper & lower incisor & Forwardly placed upper & lower incisor in dental parameter.

**DIAGNOSIS:** cephalometric Analysis indicates Prognathic maxilla & mandible with proclined upper & lower incisor & Horizontal growth pattern.

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| COGS ANALYSIS                               |  |   |
|---|--|---|
| Cranial Base Length                         |  |   |
| Ar. Ptm (linear)                            | Males: $37.1 \pm 2.8$ mm<br>Females: $32.8 \pm 1.9$ mm     | 21 mm   |
| Ar. to N (linear)                           |  | 71 mm   |
| Ptm-N (linear)                              | Males: $52.8 \pm 4.1$ mm<br>Females: $50.9 \pm 3$ mm       | 50 mm   |
| Horizontal skeletal profile analysis:       |  |   |
| Angle of skeletal convexity<br>N-A and A-Pg | Males: $3.9 \pm 6.4^\circ$<br>Females: $2.6 \pm 5.1^\circ$ | $-13^\circ$<br>(concave profile)                            |
| N perpendicular to A<br>parallel to Hp      | Males: $0 \pm 3.7$ mm<br>Females: $-2 \pm 3.7$ mm          | 6 mm<br>(Maxillary apex)<br>(Prognathic maxilla)            |
| N perpendicular to B<br>parallel to Hp      | Males: $-5.3 \pm 6.7$ mm<br>Females: $-6.9 \pm 4.3$ mm     | 18 mm<br>(Apical base of mandible)<br>(Prognathic mandible) |
| N perpendicular to Pog<br>parallel to Hp    | Males: $-4.3 \pm 8.5$ mm<br>Females: $-6.5 \pm 5.1$ mm     | 33 mm<br>(position of mandibular chin)<br>(Prominent chin)  |

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| Mandible:          |   |   |
|--------------------|---|---|
| ANS to PNS         | Males: $57.2 \pm 2.5$ mm<br>Females: $52.6 \pm 3.5$ mm                    | 45 mm   |
| Ar to Go           | Males: $52 \pm 4.2$ mm<br>Females: $46.8 \pm 2.5$ mm                      | 52 mm   |
| Go to PG           | Males: $83.7 \pm 4.6$ mm<br>Females: $79.3 \pm 5.8$ mm                    | 67 mm   |
| Ar-Go-Gon angle    | Males: $119.1^\circ \pm 6.5^\circ$<br>Females: $112^\circ \pm 6.9^\circ$  | $142^\circ$                                   |
| B- pog             | Males: $8.9 \pm 1.7$<br>Females: $-7.2 \pm 1.9$                           | 10 mm   |
| Dental parameters: |   |   |
| OP - HP            | Males: $6.2^\circ \pm 5.1^\circ$<br>Females: $7.1^\circ \pm 2.5^\circ$    | $1^\circ$                                     |
| AB parallel to OP  | Males: $-1.1 \pm 2.0$ mm<br>Females: $-0.4 \pm 2.5$ mm                    | 12 mm<br>(class III)                          |
| Upper I to NF      | Males: $110^\circ \pm 4.7^\circ$<br>Females: $112.56^\circ \pm 5.3^\circ$ | $135^\circ$<br>(Inclination of upper incisor) |
| Lower I to MP      | Males: $95.9^\circ \pm 5.2^\circ$<br>Females: $95.9^\circ \pm 5.7^\circ$  | $86^\circ$<br>(inclination of lower incisor)  |

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|  |         |     |
|--|---------|-----|
| Vertical lip chin ratio<br>(sn-sms / smi-me) | 1:2     | 1:3 |
| maxillary incisor to upper lip               | 2 ± 2mm | 4mm |
| Intra labial gap                             | 2 ± 2mm | 4mm |

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