

**A SALUBRIOUS AND ENVIOUS CAMPUS ENVIRONMENT**

**GREEN AUDIT REPORT**  
**OF**  
**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
**SHAVIGE MALLESHWARA HILLS,**  
**KUMARASWAMY LAYOUT, BANGALORE – 560 111**  
**2021 – 2022**



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# **GREEN AUDIT REPORT**

ON

WATER AUDIT, ENERGY AUDIT,

WASTE MANAGEMENT AUDIT,

GREEN CAMPUS MANAGEMENT AUDIT

AND ENVIRONMENT AUDIT

OF

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**

SHAVIGE MALLESHWARA HILLS,

KUMARASWAMY LAYOUT, BANGALORE – 560 111

**2021 – 2022**



**ECO ENERGIME ENGINEERS LLP**

**ENHANCING RESOURCE EFFICIENCY**

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## ACKNOWLEDGEMENTS

We are thankful to the management of **Dayananda Sagar College of Dental Sciences, Bengaluru**, for the support, guidance and, giving us the opportunity to be involved in this very interesting and challenging assignment.

We would be happy to provide any further clarifications, if required, to facilitate the implementation of the recommendations.

We received full co-operation and support from the concerned personnel/ staff members of the college. They took keen interest and gave valuable inputs during the course of study. We would like to thank:

**Chairman** – Dayananda Sagar College of Dental Sciences, Bengaluru

**Vice Chairman** – Dayananda Sagar College of Dental Sciences, Bengaluru

**Secretary** – Dayananda Sagar College of Dental Sciences, Bengaluru

**Joint Secretaries** – Dayananda Sagar College of Dental Sciences, Bengaluru

**Principal** – Dayananda Sagar College of Dental Sciences, Bengaluru

And other Staff in personnel who have given full co-operation and support. They took a keen interest and gave valuable inputs during the course of study.



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## Certificate

This is to certify that M/s. Eco Energime Engineers, LLP, Bengaluru has conducted **Quality Audit** of "Dayananda Sagar College of Dental Sciences, Bangalore" during the March 2022 to May 2022. The Audit includes water audit, energy audit, waste management audit, green campus management audit and aspects of environment audit.

The audit involves field visit, measurements and observations, verification of bills, log books, data base, maintenance registers and interview with staffs, and this gives an overview of the existing system.

In an opinion and to the best of our information and according to the information given to us, said Quality Audit gives a true and fair view in conformity with auditing principles.

For Eco Energime Engineers LLP

  
Authorized Signatory

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## DISCLAIMER

The Audit Team has prepared this report for Dayananda Sagar College of Dental Sciences, Bangalore based on the input data submitted by the representatives of college complemented with the best judgment capacity of the expert team.

While all reasonable care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered.

It is further informed that the recommendations are arrived following best judgments and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements or forecasts in the report

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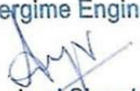
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## EEELLP ACKNOWLEDGEMENT

EEELLP team thanks the management of **Dayananda Sagar College of Dental Sciences, Bangalore** for assigning this interesting work to us. We appreciate the cooperation extended to our team during the entire process.

Our special thanks are due to Principal & their team of colleagues for giving us necessary inputs to carry out this very vital exercise. We would like to thank all the head of the departments and staff members who were actively involved while collecting the data and conducting field measurements.

For Eco Energime Engineers LLP

  
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## ABBREVIATION AND ACRONYMS

1.	A	:	Amperes
2.	AC	:	Air Conditioner
3.	APFC	:	Automatic Power Factor Controller
4.	BBMP	:	Bruhat Bengaluru Mahanagara Palike
5.	BESCOM	:	Bangalore Electricity Supply Company
6.	BWSSB	:	Bangalore Water Supply and Sewerage Board
7.	CC Camera	:	Closed Circuit Camera
8.	CFL	:	Compact Fluorescent Lamps
9.	DG	:	Diesel Generators
10.	DSI	:	Dayananda Sagar Institutions
11.	DSCDS	:	Dayananda Sagar College of Dental Sciences
12.	EE	:	Energy Efficient
13.	E-Waste	:	Electronic Waste
14.	etc.	:	Etcetera
15.	FTL	:	Fluorescent Tube Light
16.	GHG	:	Green House Gas
17.	Hz	:	Hertz
18.	HP	:	Horse Power
19.	HT	:	High Tension
20.	I	:	Current
21.	ICT	:	Information and Communications Technology
22.	IQAC	:	Internal Quality Assurance Cell
23.	ISO	:	International Organization for Standardization
24.	kgs	:	Kilograms
25.	kL	:	Kilo Liters
26.	kV	:	kilo volt
27.	kVA	:	kilo volt ampere
28.	kVAr	:	Reactive kilo volt ampere
29.	kW	:	Kilo Watt
30.	kWh	:	kilo Watt hour
31.	kWp	:	kilo Watt peak
32.	Lab	:	Laboratory
33.	LCD	:	Liquid Crystal Display
34.	LED	:	Light Emitting Diode
35.	LT	:	Low Tension
36.	mA	:	Milli Amperes
37.	MoU	:	Memorandum of Understanding
38.	NA	:	Not Applicable
39.	NAAC	:	National Assessment and Accreditation Council
40.	Nos.	:	Numbers



41.	NSS	:	National Service Scheme
42.	Prim/Sec	:	Primary/Secondary
43.	PF	:	Power factor
44.	PG	:	Post Graduate
45.	PV	:	Photo Voltaic
46.	Rs.	:	Rupees
47.	RO	:	Reverse Osmosis
48.	RR. No.	:	Revenue Register Number.
49.	RWH	:	Rain Water Harvesting
50.	S. No.	:	Serial Number
51.	Sq. Ft.	:	Square Feet
52.	Sq. m.	:	Square Meter
53.	S RTPV	:	Solar Roof Top Photo Voltaic
54.	STP	:	Sewage Treatment Plant
55.	TL	:	Tube Light
56.	TR	:	Ton of Refrigeration
57.	V	:	Volts
58.	W	:	Watts
59.	Wp	:	Watt peak
60.	#	:	Number

# 1. INTRODUCTION

Dayananda Sagar College of Dental Sciences has been part of the DSI Family since 1992 imparting high quality of Dental Education and possesses state-of-the-art teaching and research facilities, classrooms, tutorial facilities, Pre-Clinical and Clinical Skill Labs creating a perfect environment for knowledge and skills development. The College of Dental Sciences is equipped with World-Class infrastructure with the latest of equipment and technology to train students with the most recent and advanced Dental Care.

The college is centered on:

- supporting patient care
- pursuing innovation in oral health education
- preparing the educated dentists of tomorrow with clinical practice and training.

The campus is set on a 23-acre lush green campus in Bangalore, Dayananda Sagar College of Dental Sciences comprises state-of-the-art teaching and research facilities, classrooms, tutorial facilities, laboratories, creating the perfect learning environment.

We are proud of our close-knit campus community - a student intake of 60 each year. All students benefit from more one-on-one contact time with staff, and our curriculum has been designed to cover all specialties of dental science ranging from diagnosis, child dentistry to surgery, restorative, cosmetic and preventive dentistry.

From its extensive pre-clinical departments and laboratories to its wealth of library, classrooms, modern clinical and tutorial facilities, the college is an abundant resource to the communities it serves.

## **Departments : BDS - Program**

- Basic Medical Sciences
- Conservative Dentistry and Endodontics
- Oral and Maxillofacial Surgery
- Oral Medicine and Radiology
- Oral Pathology and Microbiology
- Orthodontics and Dentofacial Orthopedics
- Pediatric and Preventive Dentistry
- Periodontics
- Prosthodontics Crown and Bridge
- Public Health Dentistry
- Research and Sustenance

## **Departments : MDS - Program**

- Conservative Dentistry and Endodontics
- Oral and Maxillofacial Surgery
- Oral Medicine and Radiology
- Orthodontics and Dentofacial Orthopedics
- Periodontics
- Prosthodontics Crown and Bridge
- Public Health Dentistry

Vision mission and values of the DSCDS are given below.

### **VISION**

Dayananda Sagar College of Dental Sciences aims to be amongst the world's foremost Dental academic institutions in the pursuit of educational, clinical, and research excellence. The institution also aims to provide ample scope for ideation, innovation, and community service to shape future leaders in dentistry by applying science, art and technology breakthroughs, thereby contributing to national/global welfare and development.

### **MISSION**

- Our mission is to realize this vision by:
- Imparting integrated education and training to students on par with global standards in dentistry for the prevention and treatment of various oral diseases and conditions, hence contributing to the improvement and sustenance of better quality of life among all individuals of the society.
- Ensuring the development of comprehensive knowledge, skills and attitudes as required, to meet the above said objective.
- Inculcating necessary clinical, diagnostic, and treatment skills, to manage patients effectively and efficiently, and extend similar quality services to the community.
- Applying theoretical and analytical knowledge in various areas of dentistry to create novel clinical methods and engage in knowledge transfer for the benefit of society locally and for mankind globally.
- Delivering quality education in basic and applied dental research to promote innovation and ensure dissemination of new knowledge through presentations at conferences and publications in high-impact journals.
- Mobilizing faculty expertise to implement local, national, and international initiatives in the field of dentistry to achieve global oral health goals by the year 2030.

## **VALUES**

Values that drive Dayananda Sagar College of Dental Sciences and support its vision include:

- Pursuit of Excellence - Strive continuously to improve ourselves and our systems with the aim of becoming the best in our field.
- Fairness - Ensuring objectivity and impartiality in all our processes to earn the trust and respect of society.
- Leadership - Lead responsibly and creatively while imparting education and delivering oral health care.
- Integrity and Transparency - Remain ethical, sincere, and transparent in our activities and treat all individuals with dignity and respect.
- Empathy and Compassion - Be respectful and develop a compassionate relationship between doctors, the auxiliary team, and patients.

## **QUALITY POLICY**

We, at Dayananda Sagar College of Dental Sciences, are committed to imparting and inspiring lifelong learning by providing the highest quality dental education, research opportunities, and dental services to the satisfaction of all the stakeholders.

## **CORE VALUES**

Discipline, Dedication, Deference

### **Internal Quality Assurance Cell (IQAC)**

To create quality, to maintain quality, to enhance quality in all spheres – that is the task of the IQAC or the Internal Quality Assurance Cell of the college. The IQAC is the central quality- monitoring body of the institution. It functions under the Chairmanship of the Principal and comprises senior faculty members, representative from the local community and a student representative.

The IQAC functions with the belief that excellence and quality are not one-time goals but continuous processes. To this end, the IQAC meets on a regular basis. New programs, up gradation of infrastructure and increasing the effective functioning of all systems are some of the major concerns of the IQAC. The IQAC aims at providing an excellent academic enhance, center of health and environment safety. List of IQAC team members are given in figure 1-1.



Dayananda Sagar College of Dental Sciences  
Shavige Malleshwara Hills, Kumaraswamy Layout,  
Bengaluru - 560078

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**  
IQAC is reconstitute on 27-07-2022 W.E.F 01-08-2022

Sl. No.	Name	Designation	Position Held	Signature
1.	Dr. Hemanth M	Principal	Chairman	
2.	Dr. Nagesh L	Prof & HOD	IQAC Co-ordinator	
3.	Mr. Galiswamy	Secretary	Management Representative	
4.	Dr. Gargi S Murthy	Reader	Member Co-ordinator	
5.	Dr. Sunil S	Professor	Member Coordinator	
6.	Dr. Ramnarayan BK	Professor	Member Admin Representative	
7.	Mr. Venkataramaiah	Superintendent	Member Admin Representative	
8.	Mr. Chalapathy	Accounts	Member Finance Representative	
9.	Dr. Chaya M David	Prof & HOD	Member	
10.	Dr. Savita AM	Prof & HOD	Member	
11.	Dr. Shobha ES	Prof & HOD	Member	
12.	Dr. Avinash J	Prof & HOD	Member	
13.	Dr. Sarandha DL	Prof & HOD	Member	
14.	Dr. Krishnanand P S	Prof & HOD	Member	
15.	Dr. Vedavathi B	Prof & HOD	Member	
16.	Dr. Prashanth N T	Professor	Member secretary	
17.	Dr. Smitha Sharan	Reader	Member	
18.	Dr. Archana R Naik	Reader	Member	
19.	Dr. Pradeep Chandra	Sr. Lecturer	Member	
20.	Dr. Rayan Malick	Sr. Lecturer	Member	
21.	Dr. Shavari Shetty	Sr. Lecturer	Member	
22.	Dr. Jayanth M R	Sr. Lecturer	Member	
23.	Dr. Megha Kachari	Sr. Lecturer	Member	
24.	Dr. Nayana M	Sr. Lecturer	Member	
25.	Mr. Ravindra S	Local Resident	Local Society Member	
26.	Ms. Shiksha	DSCDS Student	Member Student Representative	
27.	Dr. Puneeth Chowdhary	BDS Alumni	Member Alumni Representative	
28.	Dr. Kumar NC	Pedodontist & Dental Clinic Proprietor	Member Employer	
29.	Mr. Unni Krishnan	Best Dental Supply	Member Industry Representative	
30.	Mr. Ravi Kumar B	Stake Holder	Member Parent Representative	

Figure 1-1: List of IQAC members

## Campus Area and Built-up area

The area of the campus (built up and total) is given in table 1-1.

S. No.	Description	Units	Details
1	Campus total area	Acres	23
2	Built up area	Sq. ft.	104,071

**Table 1-1: College Area**

### Overview of Green Audit:

Green Audit helps college / facility to:

- Understand the optimum usage of electricity, water and other natural resources
- Identify opportunities to conserve various natural resources
- Identify various environmental-friendly technological improvements
- Evaluate the techno-commercial aspects of identified conservative measures
- Create awareness among the students and staff
- Disseminate the commitment of management towards saving nature
- Develop a culture among students, staff and management to be socially responsible

## 2. PRE – AUDIT PHASE

A pre-audit meeting is a prerequisite for the Audit; it helps to meet and discuss about the schedule and documents required during the audit. The pre-audit meeting was conducted at DSCDS, Bengaluru in the end of March 2022. During the meeting, introduction of team members, scope and objectives of the audit were discussed.

### **Management Commitment**

The Management of the college has shown significant commitment towards Green Auditing during the pre-audit meeting. They were ready to encourage all green activities. It is decided to promote all activities that are environment friendly such as awareness programmes on the environment, campus farming, planting more trees on the campus etc., after the Green Auditing.

College administration is vital to the process of realizing campus sustainability, and college policy is an essential instrument for any substantial change in the campus environment.

### **Scope and goals of Green Auditing**

A clean and healthy environment aids effective learning and provides a conducive learning environment. There are various efforts around the world to address environmental education issues. Green Auditing is one among them for educational institutions.

Once a baseline is established, the data can serve as a point of departure for further action in campus greening. Existing data will allow the college to compare its programs and operations with those of peer institutions, identify areas in need of improvement, and prioritize the implementation of future projects.

This data will also provide a basis for calculating the economic benefits of resource conservation projects by establishing the current rates of resource use and their associated costs. This audit initiative focused initially on educating colleges and universities through workshops, guidebooks, fact sheets and ensuring compliance through inspections and self-audits.

### **2.1. Audit Schedule**

Green Audit schedule includes the pre-audit phase, on-site / audit phase and post audit phase. Table 2-1 details the complete Quality Audit schedule.

<b>S. No</b>	<b>Description</b>	<b>Timeline</b>
1.	Pre-audit Phase	21 March 22 to 25 March 22
2.	Onsite-audit Phase	11 April 22 to 16 April 22
3.	Post-audit Phase	02 May 22 to 07 May 22
4.	Presentation	18 May 22

**Table 2-1: Audit Schedule**



### **3. ON-SITE AUDIT PHASE**

#### **3.1. Scope / Target Areas of Green Auditing**

##### **3.1.1. Water Audit**

Water Audit addresses water consumption, water sources, appliances and fixtures. Aquifer depletion and water contamination are taking place at unprecedented rates. It is therefore essential that any environmentally responsible institution should examine its water use practices.

##### **3.1.2. Energy Audit**

Energy Audit addresses energy consumption, energy sources, use of renewable energy, implementation of energy conservation measures, energy monitoring, lighting, appliances, and use of electric vehicles. Energy use is clearly an important aspect of campus sustainability.

##### **3.1.3. Waste Management Audit**

Waste management Audit addresses waste production and disposal, plastic waste, paper waste, food waste, and recycling. Municipal solid waste has a number of adverse environmental impacts, most of which are well known and not in need of elaboration.

##### **3.1.4. Green Campus Management Audit**

Green campus initiatives are becoming an integral part of modern day's university systems. Green campus Audit helps in maintaining the air and water clean. It regulates the climatic conditions and provides a healthy and comfortable environment for living.

##### **3.1.5. Environment Audit**

Environment Audit addresses the usage of fossil fuels (coal, diesel, petrol and gas). The mode of commute to and from college each day has an impact on the environment through the emission of greenhouse gases into the atmosphere by the burning of fossil fuels.

## 3.2. Audit Methodology and Approach

The methodology and approach adopted for the study involve various steps that include:

- Review of Document and records
- Review of Policies
- Review of MoU
- Review of various measures implemented
- Site Walkthrough
- Data Collection
- Interviews

### 3.2.1. Review of Document and Records

Electricity bills, Water bills, equipment register, list of appliances, office registers, internal Quality Audit document, purchase document, were reviewed and relevant data and inputs required for analysis have been collected.

### 3.2.2. Review of Policies

College has various policies that include safety policy, environment policy, and Anti-ragging policy.

#### A. Safety Policy:

An organization's safety policy is a recognized, written statement of its commitment to protect the health and safety of the students and employees, as well as the surrounding community.

All the students, teaching and non-teaching staff, maintenance and house-keeping staff have been given training to use fire extinguishers in emergency situations of fire and explosion.

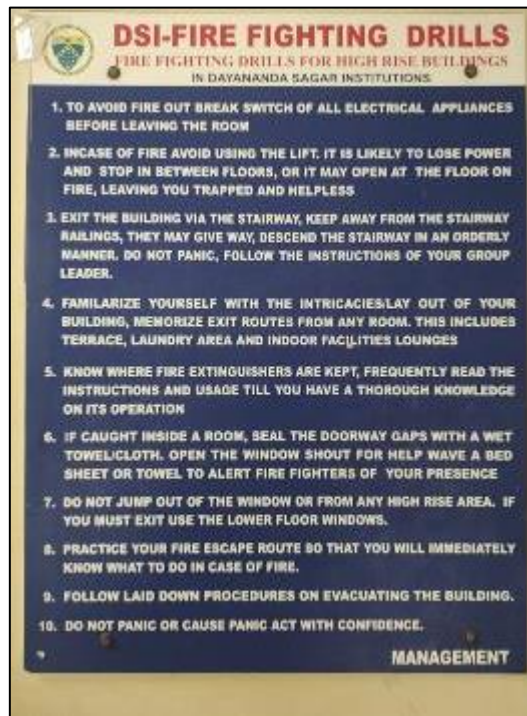
Fire extinguishing cylinders have been installed in each floor and in laboratory areas and have been refilled and checked regularly.

Sample photo of the fire extinguisher is shown in figure 3-1.



**Figure 3-1: Sample photo of fire extinguisher**

Information about the fire-fighting drill procedure is posted at the corridors of the Dental hospital. Sample photo of the same is shown in the figure 3-2.



**Figure 3-2: Sample photo Fire-fighting drill - procedure**

### 3.2.3. Review of various measures implemented

During the Green Audit study, it was observed the college has taken various initiatives in conserving natural resources that include:

- Internal Audit team including Management, Staff and Students
- Rain water harvesting system has been implemented block-wise.
- Sensor based Wash Basin is installed at some places of DSCDS.
- Water flow meters are installed for water accounting
- Sewage treatment plant is available to treat the waste water of the entire campus and using the treated final water for gardening
- Installation of Solar Roof Top Photo Voltaic (SRTPV) system for power generation
- Solar water heaters and heat pump technology is used for Hot water requirements in the hostels
- Wheeling of Renewable Energy power supply from a third party agency to reduce the carbon footprints
- Installation of LED lights to reduce electricity consumption
- DSCDS infrastructure is well designed for good air circulation and maximum utilization of day light; to reduce the energy consumption
- Installation of LCD/LED monitors for all the desktops to conserve electricity
- Switching OFF lights and fans whenever not in use to save electricity
- Sensor based hand driers are used at the suitable locations near the hand wash areas
- Annual maintenance of UPS, Lifts and DG sets are carried out.
- Complaint registers and log books for DG fuel are maintained
- Installation of waste collection bins at each dental chair, all the class rooms, staff rooms and corridors.
- Regular cleaning practices are followed by maintenance team to maintain the campus clean and hygiene
- Food waste is collected separately in the canteen and given to piggeries.
- Bio medical waste are segregated at the source level using color coding bins and given Maridi Bio Industries Ltd.
- There are more than 750 trees and well-maintained landscaping. Campus is completely surrounded by trees and plantations.
- Environment day celebrations and sapling plantations were done every year.
- ‘Quit Smoking’ Poster is placed at the entrance of the Hospital to create awareness among all Staff, Students and patients.
- Encouragement is given to use Electric – Vehicles among all the staff and students.
- Training is conducted on regular basis regarding usage of fire extinguisher, conservation of resources such as electricity, water, food and green campus.

### 3.2.4. Site Walk through

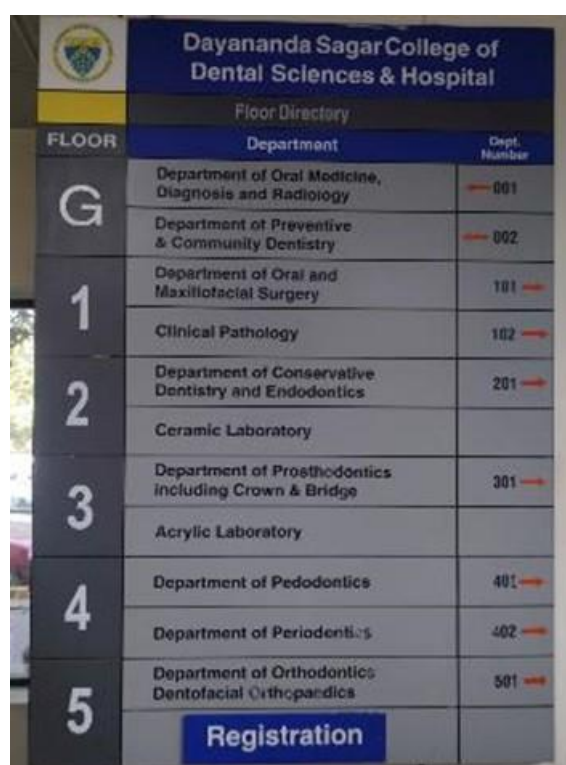
Site walk through was conducted with staff members, students and audit team members. Staff and students have shown very keen interest in the data collection process and methods to be followed in field data collection. The staff and students have given inputs and suggestions for resource conservation as well.

#### College Infrastructure

DSCDS campus has two blocks. Each floor has its own state of the art of class rooms, staff rooms, laboratories libraries and many more.

The campus includes Dental college and various other courses including Engineering, MBA, Paramedical, etc., Few of the infrastructure facilities such as hostel, canteen, gym, play ground and parking are shared and utilized by students/ staffs of Dental college and various other courses including Engineering, MBA, Paramedical, etc.,

Details of infrastructure of DSCDS are shown in figure 3-2.



The image shows a floor directory sign for Dayananda Sagar College of Dental Sciences & Hospital. The sign is a vertical board with a blue header and a white body. The header contains the college name and a logo. Below the header, the word 'Floor Directory' is written. The main body of the sign is a table with three columns: 'FLOOR', 'Department', and 'Dept. Number'. The rows are as follows:

FLOOR	Department	Dept. Number
G	Department of Oral Medicine, Diagnosis and Radiology	001
	Department of Preventive & Community Dentistry	002
1	Department of Oral and Maxillofacial Surgery	101
	Clinical Pathology	102
2	Department of Conservative Dentistry and Endodontics	201
	Ceramic Laboratory	
3	Department of Prosthodontics including Crown & Bridge	301
	Acrylic Laboratory	
4	Department of Pedodontics	401
	Department of Periodontics	402
5	Department of Orthodontics Dentofacial Orthopaedics	501
	Registration	

Figure 3-3: Infrastructure details

All the classrooms, staff rooms and corridors are well ventilated and the integration of day-light is well utilized. This has helped in optimum usage of electricity for lights and fans during day time.

### 3.2.5. Inventory Collection

To understand the types of appliances used, inventory collection was carried out by the audit team members. The various types of appliances used are lights, fans, geysers, RO water plants etc. The consolidated list of inventories is given in table 3-1.

S. No.	Description		Old Dental Block	New Dental Block	Total
1	Florescent Tube Light	36W	244	0	244
2	LED	18W TL	33	0	33
		2 x 10W	8	355	363
		6 W Downlight	0	33	33
		10 W Downlight	8	2	10
		12 W Downlight	3	172	175
		15 W Downlight	0	12	12
		9W Bulb	5	19	24
3	CFL	18 W	43	12	55
4	Fan	Ceiling Fan	91	166	257
		Wall mount Fan	5	0	5
		Pedestal Fan	6	6	12
5	Exhaust Fans	PVC blade	0	6	6
		Metal Blade	1	1	2

**Table 3-1: Consolidated list of Inventories**

### 3.2.6. Interviews

To collect the various data, information and operating patterns, interviews were conducted with college staff (Principal, teaching staff, non-teaching staff) and students. The consolidated information from the interviews is given in the following sub-sections.

#### 3.2.6.1. List of Holidays:

The lists of holidays were collected during the study and the same is given in figure 3-3 and figure 3-4.



## GOVERNMENT OF KARNATAKA

No.DPAR 37 HHL 2021

Karnataka Government Secretariat,  
Vidhana Soudha,  
Bengaluru, dated: 30.11.2021

### NOTIFICATION-I

The following list of the General Holiday sanctioned by the Government for the year 2022 is published for general information.

All Second Saturdays, Fourth Saturdays, Sundays and the following days.

SL. NO.	DATE	DAYS	PUBLIC HOLIDAYS
1	15.01.2022	Saturday	Uttarayana Punyakala, Makara Sankranti Festival
2	26.01.2022	Wednesday	Republic Day
3	01.03.2022	Tuesday	Maha Shivaratri
4	02.04.2022	Saturday	Ugadi Festival
5	14.04.2022	Thursday	Dr. B.R. Ambedkar Jayanthi, Mahaveera Jayanthi
6	15.04.2022	Friday	Good Friday
7	03.05.2022	Tuesday	Basava Jayanthi / Akshaya Tritiya, Khutub-E-Ramzan
8	09.08.2022	Tuesday	Last Day of Moharam
9	15.08.2022	Monday	Independence Day
10	31.08.2022	Wednesday	Varasiddhi Vinayaka Vrata
11	04.10.2022	Tuesday	Mahanavami, Ayudhapooja
12	05.10.2022	Wednesday	Vijayadasami
13	24.10.2022	Monday	Naraka Chaturdashi
14	26.10.2022	Wednesday	Balipadyami, Deepavali
15	01.11.2022	Tuesday	Kannada Rajyothsava
16	11.11.2022	Friday	Kanakadasa Jayanthi

#### Note:

- 1 This list does not include May Day (01.05.2022), Bakrid (10.07.2022), Mahalaya Amavasye (25.09.2022), Gandhi Jayanthi (02.10.2022), Mahaishi Valmiki Jayanthi / Eid-Milad (09.10.2022) and Christmas (25.12.2022) which falls on Sundays.
- 2 Government Offices will be closed through out the State on General Holidays. However, Heads of department should make necessary arrangements for the discharge of urgent works.
- 3 If any of the Holidays for the festivals of Muslim Fraternity notified above does not fall on the date notified, Muslim Fraternity in Government Service may be granted holiday on the date of observance in view of the holidays already notified.

--2

Figure 3-4: List of Holidays – 2022

#### 3.2.6.2. Tentative Schedule of College:

The tentative schedule of the college is 08.00 AM to 4.00.PM. The house-keeping staff works from 08.00 AM to 05.30 PM. Essential areas like labs, library, security, gym, CCTV monitoring area work for extended hours i.e., for 12 to 14 hrs per day.

### 3.2.6.3. Staff and students of college:

The number of staff includes teaching, non-teaching, and house-keeping is given in the table 3-3. The number of students includes both boys and girls.

S. No.	Staff	Students
1	76	270

**Table 3-2: Number of staff and students**



## 4. WATER AUDIT

### 4.1. Facility description

The study involved carrying out various data collections, observations and analysis, to realistically assess water usage and potential for water conservation. The sources of water for facilitating the water supply to the college campus bore-wells, water bottles and tankers. Tanker water is purchased very rarely (only when there is scarcity of water from bore-well). The campus includes Dental college and various other courses including Engineering, MBA, Paramedical, etc., The raw water source, raw water treatment, water distribution system, waste water pipelines and sewage treatment plant is shared by Dental college and various other blocks including Engineering, MBA, Paramedical, etc.,.

The domestic (bore well) water is consumed in the following areas:

- Drinking (For RO Plant)
- Kitchen
- Cafeteria
- Practice floors of dental hospital
- Laboratory
- Cleaning
- Bathrooms
- Washing Utensils
- Washing Machines

Waste water sources are

- Labs (Drainage)
- Washrooms
- Canteen (Drainage)

#### 4.1.1. Raw Water System

The raw water is consumed in the following areas:

- Washrooms
- Cleaning
- Laboratories

Nine number of bore well are installed at various locations of the campus. There are two number of underground water tanks (sumps) are made available and total 52 number of overhead water tanks are placed at different blocks. The water from borewell is pumped

to underground sump and then pumped to overhead tanks. This water distribution system is interconnected with each other.

All the water pump motors and the water levels of tanks are controlled by Automatic water level controllers installed at appropriate places. Total number of motors used for pumping with its rating is shown in the table 4-1.

S. No.	Quantity	Motor Rating in HP	Description
1	3	5	Near STP, Near Automobile block, Near NRI hostel
2	2	7.5	Near NEB, Old civil block
3	4	10	Staff parking – 2, MGVT Canteen, Students Parking

**Table 4-1: Details of water pump motors**

Water level controller installed at the main underground sump is as shown in the figure 4-1.



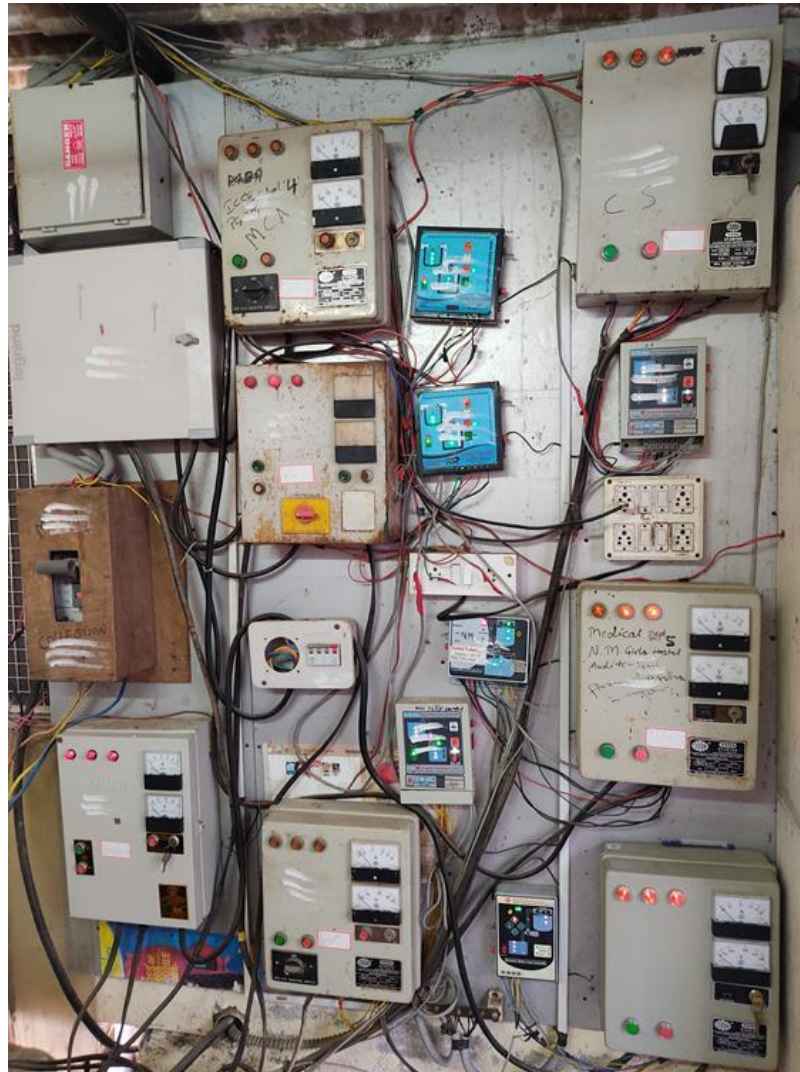
**Figure 4-1: Raw water sump level controller**

Water pump house in the campus contains all the water pump panels and water level controller displays of both underground and overhead tanks. A picture of the panel board has been taken and shown in the figure 4-2. Figure 4-3 depicts level controller switch and figure 4-4 shows one of the bore-well's pump panel with underground sump level controller.

The details of overhead tanks and underground tanks are:

- Total 52 numbers of overhead tanks have been installed in the terrace of different blocks of the campus and its break up with capacity is shown in table 4-2.
- Two numbers of underground tanks (sump) with storage capacity of 100 kL is available.

Table 4-2 details the number and the quantity of the tanks available in the campus and hence it is observed that different capacities of tanks with different quantity are available. Therefore, the table 4-3 tells the location of tanks at different blocks.



**Figure 4-2: Pump house water controllers and meters**



Figure 4-3: Level controller switch



Figure 4-4: Bore-well pump panel and level controller switch

S. No.	Capacity in Litres	Quantity
1	500	1
2	1000	2
3	2000	32
4	5000	17
5	100000	2

Table 4-2: Details of tank capacity

S. No.	Location	Description	Capacity	Quantity
1	Siva Temple	Over Head Tank	1000	1
2	New Dental Block	Over Head Tank	2000	1
		Over Head Tank	5000	1
3	Ganesha Temple	Over Head Tank	1000	1

S. No.	Location	Description	Capacity	Quantity
4	New Auditorium	Over Head Tank	5000	1
		Over Head Tank	2000	1
5	ICSE School	Over Head Tank	2000	2
6	MCA Department	Over Head Tank	5000	1
		Over Head Tank	2000	1
6	Residence	Over Head Tank	5000	5
		Underground Tank (sump)	100000	1
7	C.D. Sagar Block	Over Head Tank	2000	7
8	N E B	Over Head Tank	2000	6
		Main Underground Tank (Main Sump)	100000	1
9	S.P. Boys Hostel	Over Head Tank	5000	1
		Over Head Tank	2000	4
10	Computer Science	Over Head Tank	5000	5
11	Heritage Building	Over Head Tank	5000	3
		Over Head Tank	500	1
12	Medical Electronics	Over Head Tank	2000	2
13	Indian Student Mess	Over Head Tank	2000	1
14	New Architecture Building	Over Head Tank	2000	7
<b>Total Number of Tanks</b>				<b>54</b>

**Table 4-3: Details of tanks**

Two number of Over -head Tanks are placed on the terrace of New dental block. One is of 2000 Litres and other is of 5000 Litres capacity.

#### 4.1.2. Drinking Water System

Drinking water for staff is facilitated by water bottles storage units. Every day DSCDS purchase 13 water bottles each of 20 litres capacity to fulfill the drinking water facility to all teaching and non-teaching staff of the dental blocks.



**Figure 4-5: Water cans - Drinking purpose**



### 4.1.3. Rain Water Harvesting System

The college campus is on a hilly terrain and is very much suitable for rain water harvesting. The campus has small check bunds/trenches to arrest rainwater during rainy season as shown in the figure 4-6. The rainwater/runoff water is collected in harvesting pond constructed near parking area as shown in the figure 4-7.



**Figure 4-6: Trenches and bunds in the campus**



**Figure 4-7: Rain water harvesting pond**

Further, an open well which is situated within the campus is also used for rainwater harvesting and the same is shown in figure 4-8.



**Figure 4-8: Open well**

Percolation pits are installed near the students parking area in the campus and are shown in figure 4-9 and figure 4-10. The collected rain water is used for lawns and garden in the campus.



**Figure 4-9: Rain water harvesting Percolation pit**



**Figure 4-10: Percolation pits for rain water harvesting**



Run-away water around the dental blocks is collected in two number of 5000 Litres tanks. Picture of the tanks are shown in figure 4-11. This water is used for watering the plants and trees around the DSCDS.



**Figure 4-11: RWH sump near dental blocks**

Point recharge measures are taken to protect bore wells for sustainability of water management as shown in figure 4-12.



**Figure 4-12: Point recharge for a Bore well**

#### 4.1.4. Hot water System

The hot water is mainly consumed in hostels for bathing purposes. The hot water requirement for bathing is met by solar water heater systems. Sample photo of Solar water heater is integrated with heat pump system is shown in figure 4-13.



**Figure 4-13: Hot water system in hostel**

Hot water for drinking purposes in the dental hospital premises is arranged by dispensers as shown in figure 4-14.



**Figure 4-14: Drinking hot water system**

#### 4.1.5. Sewage Water System

Most of the institutional sewage generated to be treated and re-used for gardening purpose of the campus. All the sewage water generated from International hostel, Boys and girls' hostel and hostel's canteen is directed to Sewage water treatment plant (STP) for tertiary treatment (Extended Aeration-ASP). The recycled water will be used for gardening/horticulture purpose. This STP is of 180 KLD capacities. Sample photo of STP is as shown in the figure 4-15 and 4-16.

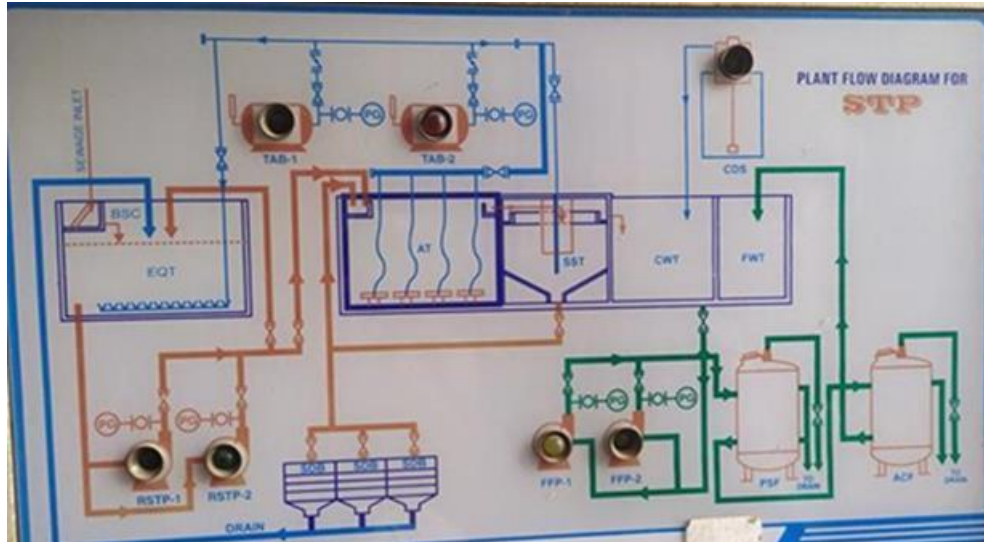


**Figure 4-15: STP**



**Figure 4-16: STP Plant**

The working of STP in a schematic representation is shown in the figure 4-17.



**Figure 4-17: Schematic flow diagram of STP**

The STP plant specifications can be seen from the table 4-4.

S. No.	Description	Details
1.	Number of STP plants installed	1
2.	Capacity of STP	180 KLD
3.	Technology of STP	SBR
4.	Year of Installation	20+ year old
5.	Schematic / Layout of STP	YES
6.	Water flow meters installed	YES
7.	Quantity of Sludge	800 kg/year
8.	Disposal of Sludge	Drying bed

**Table 4-4: Details of STP**

Electrical equipment's used in STP are bar screening, evaporation tank, SBR units, sludge draying beds, sand filter and carbon filter.

The processed water from the STP is well utilized for watering plants, trees and maintaining lawns of the entire campus, some of the pictures collected during audit are as shown in figure 4-18.





**Figure 4-18: Greenery maintained by STP processed water**

## 4.2. Best Practices Implemented for Water Conservation

### 4.2.1. Sensor based Wash Basin

To conserve water, in some area's sensor-based hand wash is installed in the DSCDS. Sample photo is shown in the figure 4-19.



Figure 4-19: Sensors based wash basin

#### 4.2.2. Water Flow meters

A water meter is a device that is used to track water usage. It helps, not just in monitoring consumption but also to save money incurred on electricity used to pump the water and also energy consumption for functioning of sewage treatment plants.

In the campus there are Sixteen number of water flow meters. Eight number of flow meters for pumps at the borewells another eight number of flow meters at the pumps used to pump the water from the sump to over-head tanks. Sample photo of a water flow meter is shown in figure 4-20.



**Figure 4-20: Sample photo of flow meter**

Log books are maintained for all the flow meters. Some of the sample photos of log book are shown in figure 4-21 and figure 4-22



**LIFTING OF WATER FROM BOREWELL**

**A. SUMMARY PROFILE**

Sl. No.	Date	mp pump	hd ft	total pumping mp	mp	Head meters	AVG. RATE (m³/hr)	NO. HRS.	QTY (m³)	QTY (m³)
00	01/09/22	300.1	2490.0	1669.0	601.4	942.9	176.5	372.8	1965.7 = 30.7 X 10000 = 307000	
01	02/09/22	305.0	2492.8	1671.9	606.4	946.4	176.5	372.8	1972.8 = 31.2 X 10000 = 312000	
02	03/09/22	302.2	2493.4	1674.2	608.4	951.2	176.5	372.8	1980.4 = 31.7 X 10000 = 317000	
03	04/09/22	305.8	2493.4	1688.0	611.6	956.6	176.5	372.8	1985.8 = 31.9 X 10000 = 319000	
04	05/09/22	301.2	2493.0	1689.3	611.5	960.8	176.5	372.8	1989.1 = 32.0 X 10000 = 320000	
05	06/09/22	302.8	2492.4	1699.7	611.5	965.1	176.5	372.8	1988.8 = 31.9 X 10000 = 319000	
06	07/09/22	308.5	2495.6	1714.5	611.5	973.8	176.5	372.8	1995.7 = 32.1 X 10000 = 321000	
07	08/09/22	310.8	2517.1	1724.1	611.5	977.9	176.5	372.8	1997.9 = 32.1 X 10000 = 321000	
08	09/09/22	99.7	24.8	5.3	71.6	45.6	00.0	00.0	244 X 10000 = 2440000	
09	10/09/22	310.2	2522.0	1725.4	624.2	984.2	176.5	372.8	1999.0 = 32.3 X 10000 = 323000	
10	11/09/22	311.1	2522.1	1726.1	624.4	989.4	176.5	372.8	1997.4 = 32.3 X 10000 = 323000	
11	12/09/22	319.7	2535.8	1729.1	626.8	995.7	176.5	372.8	1997.4 = 32.4 X 10000 = 324000	
12	13/09/22	312.3	2522.4	1731.9	631.5	998.7	176.5	372.8	1996.3 = 32.5 X 10000 = 325000	
13	14/09/22	312.6	2533.7	1824.1	645.3	1004.0	176.6	389.0	1993.7 = 32.9 X 10000 = 329000	
14	15/09/22	313.2	2541.2	1835.8	648.8	1008.3	176.6	389.1	1993.5 = 31.3 X 10000 = 313000	
15	17/09/22	32.4	29.1	116.4	29.3	28.4	00.1	11.3	247.3 X 10000 = 2473000	

Figure 4-21: Sample photo of logbook of borewell water flow meter

**LIFTING OF WATER FROM SUMP TO OHT**

**A. SUMMARY PROFILE**

Sl. No.	Date	mp pump	hd ft	total pumping mp	mp	Head meters	AVG. RATE (m³/hr)	NO. HRS.	QTY (m³)	QTY (m³)
00	16/09/22	150.4	170.6	92.4	48.1	44.1	32.7	52.0	1504 X 10000 = 1504000	
01	17/09/22	148.1	178.8	89.5	45.8	42.2	39.4	55.9	1548 X 10000 = 1548000	
02	18/09/22	125.7	175.1	86.0	51.5	48.4	40.7	57.6	1563 X 10000 = 1563000	
03	19/09/22	146.9	173.5	86.9	54.3	51.8	42.4	59.6	1567 X 10000 = 1567000	
04	20/09/22	148.3	180.9	90.8	52.5	57.5	44.0	60.2	1567 X 10000 = 1567000	
05	21/09/22	151.6	185.4	95.2	54.8	59.4	45.2	60.1	1598 X 10000 = 1598000	
06	22/09/22	147.8	172.2	81.6	48.9	45.5	45.2	59.4	1594 X 10000 = 1594000	
07	23/09/22	155.7	189.3	99.7	53.9	57.4	47.9	66.7	1627 X 10000 = 1627000	
08	24/09/22	155.0	188.1	103.8	56.1	59.5	49.5	66.5	1632 X 10000 = 1632000	
09	25/09/22	222.9	195.1	106.2	67.3	62.1	51.2	70.8	194 X 10000 = 194000	
10	26/09/22	232.9	198.1	111.6	69.1	63.4	52.7	70.7	202 X 10000 = 202000	
11	27/09/22	242.3	200.8	114.7	70.8	65.8	52.9	70.0	212 X 10000 = 212000	
12	28/09/22	253.4	202.0	118.6	71.6	67.6	52.4	70.8	218 X 10000 = 218000	
13	29/09/22	269.0	206.2	124.9	76.5	71.1	52.8	80.6	219 X 10000 = 219000	
14	29/09/22	278.4	208.2	128.3	78.8	74.5	60.0	82.8	21.9 X 10000 = 219000	

Figure 4-22: Sample photo of logbook of sump to OHT water flow meter

### 4.2.3. Rain water harvesting

Rainwater harvesting is the simple process or technology used to conserve rainwater by collecting, conveying, purifying and storing of rainwater for later use.

The benefits of rainwater harvesting system are listed below.

- Helps in reducing the water bill.
- Decreases the demand for water.
- Reduces the need of bore well water
- Promotes both water and energy conservation
- Improves the quality and quantity of groundwater
- It is an excellent source of water for landscape irrigation

Run away water around the dental blocks are collected in two number of 5000 Litres tanks. Picture of the tanks are shown in figure 4-23.



**Figure 4-23: RWH sump near dental blocks**

#### 4.2.4. Sewage Treatment Plant

The procedure for removing contaminants from the wastewater basically from the household sewage is called sewage treatment. It has to undergo the chemical, physical and biological procedure to remove these contaminants and give out an environmentally safe treated effluent. A semi-solid slurry called the sewage sludge is the by-product of the sewage treatment. This sludge is further processed before it is suitable for land application.

The institution has installed STP with capacity of 180 kLPD and the quantity of final treated water is 75% of the total capacity, which is 135 kLPD.

The details of water savings and cost savings due to installation of STP is given in table 4-5.

S. No.	Description	Unit	Details
1	STP capacity	kLPD	180.0
2	Quantity of final treated water from STP	kLPD	135.0
3	Quantity of water reused @ 50% utilization factor	kLPD	67.5
4	No. of working days per year	days	280.0
5	Annual Quantity of water reused (saved)	kLPD	18,900.0
6	Average water cost	Rs./Litre	0.086
7	Annual cost savings achieved	Rs. lakh/year	16.25

**Table 4-5: Annual water and cost savings by installation of STP**

STP treated water is used for gardening. Sample photo is shown in figure 4-24.



**Figure 4-24: Greenery maintained by STP treated water**



STP annual maintenance done by third party. Sample copy of AMC is given in figure 4-25.

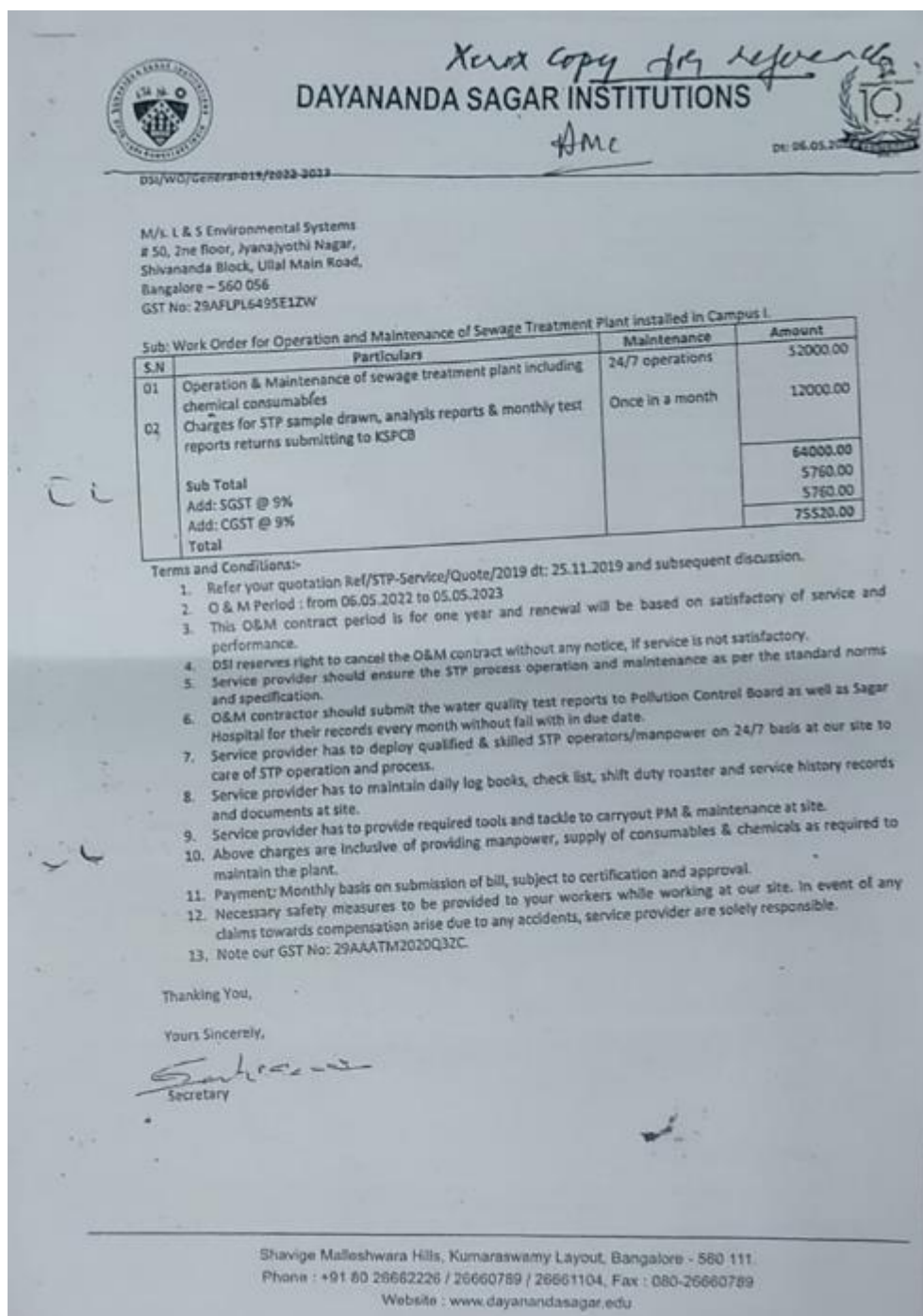



Figure 4-25: Sample photo of STP – AMC copy

#### 4.2.5. Regular testing of water quality

Testing water quality on a regular basis is an important part of maintaining a safe and reliable source. The test result allows to properly addressing the specific problems of a water supply. This will help ensure that the water source is being properly protected from potential contamination, and that appropriate treatment is selected and operating properly.

It is important to test the suitability of water quality for its intended use, whether it be livestock watering, chemical spraying, or drinking water. This will assist in making informed decisions about water and how to use it. Sample photos of water testing reports are shown in figure 4-26 to figure 4-28.



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E-mail : info@nalrcindia.com / patil.hrb@gmail.com Web : www.nalrcindia.com

---

**Name & Address of the Customer**  
: M/s. Dayanand Sagar Institution,  
Shaviga Malleshwara Hills,  
Kumaraswamy Layout Bangalore 560078

**Date of Sample Collection**  
: 29/06/2022

**Particulars of sample**  
: Bore Well Water, (Marked: NO 04 Garden Automobiles)  
Sample Qty: 2 Liters + 500 ml, Sampling Type: Grab  
Sampling Point: From Bore Well Water Tap.

**Date of sample Receipt**  
: 29/06/2022

**Sample ID/Code**  
: NALRC/2022/06/W/405

**Date of Analysis Started**  
: 29/06/2022

**Date of completion**  
: 02/07/2022

**Report No**  
: NALRC/2022/07/065

**Report Date**  
: 04/06/2022

**Page No**  
: 1/2


**Description**  
: Colourless, Odourless, transparent liquid.


**TEST REPORT**

Sl No	Parameters	Results	Requirement	Permissible	Test Method
			Acceptable Limits	limit in the absence at alternate source	
(As per IS 10500:2012)					
01	Color, Hazen Units	<1.0	5	15	IS 3025 (P-04)2021
02	Odor	Agreeable	Agreeable	Agreeable	IS 3025 (P-05)2018
03	pH Value	7.2	6.5-8.5	No relaxation	IS 3025 (P-11)2022
04	Turbidity, NTU	2.1	1	5	IS 3025 (P-10)1984 RA 2017
05	Conductivity, $\mu$ S/cm	983.0	—	—	IS 3025 (P-14)1984 RA 2019
06	Total Dissolved Solids, mg/L	591.0	500	2000	IS 3025 (P-16)1984 RA 2017
07	Total Hardness as CaCO <sub>3</sub> , mg/L	320.0	200	600	IS 3025 (P-21)2009 RA 2019
08	Calcium as Ca, mg/L	80.0	75	200	IS 3025 (P-40)1991 RA 2019
09	Magnesium as Mg, mg/L	29.0	30	100	IS 3025 (P-46)1994 RA 2019
10	Chloride as Cl, mg/L	82.0	250	1000	IS 3025 (P-32)1988 RA 2019
11	Total Alkalinity as CaCO <sub>3</sub> , mg/L	311.0	200	600	IS 3025 (P-23)1986 RA 2019
12	Residual Free Chlorine as Cl <sub>2</sub> , mg/L	<0.2	0.2	1.0	IS 3025 (P-26)2021
13	Boron as B, mg/L	<0.1	0.5	1.0	APHA 23rd Edition 4500B B
14	Fluoride as F, mg/L	0.44	1.0	1.5	APHA 23rd Edition 4500F D
15	Nitrate as NO <sub>3</sub> , mg/L	19.9	45	No relaxation	IS 3025 (P-34)1988 RA 2019
16	Iron as Fe, mg/L	0.23	0.3	No relaxation	APHA 23rd Edition 3500-Fe B
17	Sulphate as SO <sub>4</sub> , mg/L	53.0	200	400	APHA 23rd Edition 4500SO <sub>4</sub> -E
18	Aluminum as Al, mg/L	<0.005	0.03	0.2	IS 3025 (P-2)2019
19	Manganese as Mn, mg/L	<0.005	0.1	0.3	IS 3025 (P-2)2019
20	Selenium as Se, mg/L	<0.005	0.01	No relaxation	IS 3025 (P-2)2019
21	Copper as Cu, mg/L	<0.005	0.05	1.5	IS 3025 (P-2)2019
22	Zinc as Zn, mg/L	<0.005	5	15	IS 3025 (P-2)2019
23	Cadmium as Cd, mg/L	<0.001	0.003	No relaxation	IS 3025 (P-2)2019
24	Total chromium, mg/L	<0.005	0.05	No relaxation	IS 3025 (P-2)2019
25	Lead as Pb, mg/L	<0.005	0.01	No relaxation	IS 3025 (P-2)2019
26	Barium as Ba, mg/L	<0.005	0.03	No relaxation	IS 3025 (P-2)2019
27	Nickel as Ni, mg/L	<0.005	0.02	No relaxation	IS 3025 (P-2)2019
28	Arsenic as As, mg/L	<0.005	0.01	0.05	IS 3025 (P-2)2019

Analyzed By


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Bengaluru

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Figure 4-26: Sample water test report of Borewell-1

**TEST REPORT**

Name & Address of the Customer : M/s. Dayanand Sagar Institution,  
Shaviga Malleshwara Hills,  
Kumaraswamy Layout Bangalore 560078

Date of Sample Collection : 29/06/2022  
Particulars of sample : Bore Well Water, (Marked: NO 05 Near Student Parking)  
Sample Qty: 2 Liters + 500 ml, Sampling Type: Grab  
Sampling Point: From Bore Well Water Tap.

Date of sample Receipt : 29/06/2022  
Sample ID/Code : NALRC/2022/06/W/406  
Date of Analysis Started : 29/06/2022  
Date of completion : 02/07/2022  
Report No : NALRC/2022/07/066  
Report Date : 04/06/2022  
Page No : 1/2  
Description : Colourless, Odourless, transparent liquid.

Sl No	Parameters	Results	Requirement	Permissible	Test Method
			Acceptable Limits	limit in the absence at alternate source	
(As per IS 10500:2012 )					
01	Color, Hazen Units	<1.0	5	15	IS 3025 (P-04):2021
02	Odor	Agreeable	Agreeable	Agreeable	IS 3025 (P-05):2018
03	pH Value	7.1	6.5-8.5	No relaxation	IS 3025 (P-11):2022
04	Turbidity, NTU	0.2	1	5	IS 3025 (P-10):1984 RA 2017
05	Conductivity, $\mu\text{S/cm}$	974.0	—	—	IS 3025 (P-14):1984 RA 2019
06	Total Dissolved Solids, mg/L	575.0	500	2000	IS 3025 (P-16):1984 RA 2017
07	Total Hardness as $\text{CaCO}_3$ , mg/L	280.0	200	600	IS 3025 (P-21):2009 RA 2019
08	Calcium as Ca, mg/L	83.0	75	200	IS 3025 (P-40):1991 RA 2019
09	Magnesium as Mg, mg/L	17.0	30	100	IS 3025 (P-46):1994 RA 2019
10	Chloride as Cl, mg/L	82.0	250	1000	IS 3025 (P-32):1988 RA 2019
11	Total Alkalinity as $\text{CaCO}_3$ , mg/L	290.0	200	600	IS 3025 (P-25):1986 RA 2019
12	Residual Free Chlorine as $\text{Cl}_2$ , mg/L	<0.2	0.2	1.0	IS 3025 (P-26):2021
13	Boron as B, mg/L	<0.1	0.5	1.0	APHA 23rd Edition:4500B-B
14	Fluoride as F, mg/L	0.37	1.0	1.5	APHA 23rd Edition:4500F-D
15	Nitrate as $\text{NO}_3$ , mg/L	18.5	45	No relaxation	IS 3025 (P-34):1988 RA 2019
16	Iron as Fe, mg/L	0.11	0.3	No relaxation	APHA 23rd Edition:5005C-2-F
17	Sulphate as $\text{SO}_4$ , mg/L	99.0	200	400	APHA 23rd Edition:5005C-2-F
18	Aluminum as Al, mg/L	<0.005	0.03	0.2	IS 3025 (P-2):2019
19	Manganese as Mn, mg/L	<0.005	0.1	0.3	IS 3025 (P-2):2019
20	Selenium as Se, mg/L	<0.005	0.01	No relaxation	IS 3025 (P-2):2019
21	Copper as Cu, mg/L	<0.005	0.05	1.5	IS 3025 (P-2):2019
22	Zinc as Zn, mg/L	<0.005	5	15	IS 3025 (P-2):2019
23	Cadmium as Cd, mg/L	<0.003	0.003	No relaxation	IS 3025 (P-2):2019
24	Total chromium, mg/L	<0.005	0.05	No relaxation	IS 3025 (P-2):2019
25	Lead as Pb, mg/L	<0.005	0.01	No relaxation	IS 3025 (P-2):2019
26	Barium as Ba, mg/L	<0.005	0.03	No relaxation	IS 3025 (P-2):2019
27	Nickel as Ni, mg/L	<0.005	0.02	No relaxation	IS 3025 (P-2):2019
28	Arsenic as As, mg/L	<0.005	0.01	0.05	IS 3025 (P-2):2019

Analyzed By

Reviewed By




Authorised Signatory

Note 1. The results listed above pertain only to the tested samples and applicable parameters. 2. Sample will be destroyed after 15 days from the date of issue of this report unless otherwise specified. 3. This report is not to be reproduced either wholly or in part and can not be used as evidence in the court of law, and should not be used in any advertising media without prior written permission. 4. Laboratory is not responsible for the authenticity of photocopied test reports. A. Sampling not done by us, unless specified. NALRC/P/01/A1 Issue Date: 10/06/2022

Figure 4-27: Sample water test report of Borewell-2



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**TEST REPORT** Page No. 1 of 1

Report No : SLNTL2200300973	Report Date : 26/03/2022
Issued To: M/s. Sagar Hospital Kumaraswamy Layout, Bengaluru.	Customer Reference : Letter Dated 21/03/2022
	Date of Receipt : 22/03/2022
	Date of test start : 22/03/2022
	Date of Completion of test : 26/03/2022
Sample Received By: Customer	Sample Particulars: STP Treated Water

Sl. No.	Parameters	Test Method	Units	Results	KSPCB Standard
01	pH Value	IS:3025/Part-11	---	7.61	6.5 - 9.0
02	Total Suspended Solids	IS:3025/Part-17	mg/L	6.0	20 Max
03	Biochemical Oxygen Demand (3days @ 27°C)	IS:3025/Part-44	mg/L	4.0	10 Max
04	Chemical Oxygen Demand	IS:3025/Part-58	mg/L	33.9	50 Max
05	Total Nitrogen	IS:3025/Part-34	mg/L	7.1	10 Max
06	Ammonical Nitrogen as NH <sub>4</sub> -N	IS:3025/Part-34	mg/L	1.4	5 Max
07	Fecal Coliform	IS 1622-1981	MPN/100ml	<2	100 Max

Inference: As per KSPCB Standards, The above tested results are within the standards.

\*\*\*\*\*End of the Report\*\*\*\*\*

  
 Authorised Signatory

Note : 1. The results listed pertain only to the tested samples and applicable parameters.  
 2. Samples will be destroyed after 15 days from the date of issue of test certificates unless & otherwise specified and all perishable samples will be destroyed immediately after tests conducted.  
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 4. Sampling not done by us, unless specified.

#### 4.2.6. Solar Water Heaters (SWH) in Hostels:

Three number of Solar Water Heaters (SWH) are installed with each 3000 Litres capacity at three hostels, namely: NM Hostel, Sharda Hostel and SP Hostel. Details of the SWH are given in figure 4-29.

ASSET LIST														DSI
SOLAR WATER HEATER SYSTEM											APPENDIX-F			
Sr. No.	Nomenclature of Item	Le-01/2/3 No/Pg No	Equip-ent Plate (Check on the enlarge)	Rating/Capacity	Model	Make	Serial No./manuf-acture No	Date of installation	Capital Cost	Location	Status	Asset Code	Remarks	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
1	SOLAR PANEL - 20 No's with one tank capacity 3000 ltr.									Nelson Mandela Hostel	SERVICABLE			
2	SOLAR PANEL - 48 No's with Two tank capacity 3000 ltr each									Sharda Hostel	SERVICABLE			
3	SOLAR PANEL - 56 No's with Two tank Capacity 3000 ltr each and one tank 1000 ltr capacity									SARDAR PATEL HOSTEL	SERVICABLE			

Figure 4-29: Solar water heaters - details

Savings achieved due to Solar water heating system are tabulated in table 4-6.

S. No.	Description	Unit	Values
1	Solar water heater installed	L	9000
2	Total amount of heat produced	kCal/hr	270000
3	Electricity equivalent	kWh	313.95
4	No. of working days per year	days	280
5	Annual electricity savings	kWh	87906
6	Average electricity cost	Rs./kWh	9
7	Annual cost savings achieved per year	Rs. lakh/year	7.91
8	CO2 mitigations per year	Tons/year	74.72

Table 4-6: Savings achieved due to Solar water heaters



## 4.2.7. Heat pump systems

There are three heat pump systems installed at the NRI hostel terrace. Details of the Heat pump is shown in figure 4-30.

ASSET LIST													DSI
HEAT PUMP										APPENDIX-E			
Sr. No.	Nomenclature of Item	Ledger No./Pg No.	Equipment Plate (Click on it to enlarge.)	Rating/Capacity	Model	Make	Serial No./manufacture No.	Date of installation	Capital Cost	Location	Status	Asset Code	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Air source Heat pump			32 KW		AIRASUN			26,37,504/-	NRI	SERVICABLE	DS/ELE-HP/001	Under AMC
2	Air source Heat pump			32 KW		AIRASUN				NRI	SERVICABLE	DS/ELE-HP/002	Under AMC
3	Air source Heat pump			45KW		AIRASUN				NRI	SERVICABLE	DS/ELE-HP/003	Under AMC
4	Water Circulation Pump				CM10	Grundfos				NRI	SERVICABLE	DS/ELE-WCP/001	Under AMC
5	Water Circulation Pump				CM10	Grundfos				NRI	SERVICABLE	DS/ELE-WCP/002	Under AMC
6	Water Circulation Pump				CM10	Grundfos				NRI	SERVICABLE	DS/ELE-WCP/003	Under AMC
7	Hot water Storage tank			6000 ltr						NRI	SERVICABLE		Under AMC
8	Hot water Storage tank			6000 ltr						NRI	SERVICABLE		Under AMC
9	Control Panel					AIRASUN				NRI	SERVICABLE		

Figure 4-30: Heat pump details

Savings achieved due to adoption of heat pump system is detailed in the table 4-7.

S. No.	Description	Unit	Details
1	Heat Pump Capacity	kW	77
2	Input Power required for heat pump	kW	19
3	Difference in electrical power	kW	58
4	Energy savings per heat pump per day (Considering 4 hours of working)	kWh	19
5	Total number of heat pumps installed	no.	3
6	Total energy savings from 3 numbers of heat pumps	kWh	58
7	No. of working days per year	days	280
8	Annual electricity savings	kWh	16170
9	Average electricity cost	Rs./kWh	8
10	Annual cost savings achieved per year	Rs. lakh/year	1
11	CO2 mitigations per year	Tons/year	14

Table 4-7: Savings achieved due to Heat pumps

#### 4.2.8. Poster to Save Water

Sign boards have been placed in the wash rooms and canteen to create awareness for water conservation, sample photos are shown in figure 4-31.



Figure 4-31: Sample photo - 1 'Save Water'

#### **4.2.9. Maintenance Team**

The college has a separate maintenance team. The maintenance team performs regular monitoring of the water distribution system which involves general monitoring of the system, identifying and arresting of leakages, keep track of water requirement and ensuring availability of required water quantity, maintain and provide for the safe condition and operation of entire water distribution systems.

Proper operation and maintenance of sewage treatment plant ensures it will perform as designed to treat and safely dispose of sewage from the establishment and maximizes the efficiency of waste water treatment system.

During the audit, walk through survey was carried out to observe the maintenance of the water distribution system, log registers, preventive maintenance etc., The entire water distribution system is maintained clean and tidy. The water storing sumps, pumping sections, distribution lines, toilets, wash rooms and other water consumption points is found to be well maintained

#### **4.2.10. Other measures implemented for water conservation**

- Regular checking and maintenance of pipelines are done to control water wastage and complaint register is maintained to attend the complaints
- Leakage old taps are replaced by new aerator taps

## 4.3. Recommendations

### 4.3.1. Aerators for taps

The aerator is a small attachment that either fits onto the end of the tap or can be inserted inside of the existing spout. These water saving devices will control the amount of water that flows through the tap without affecting the water pressure as they mix the water with air which will save water and money.

The aerators will separate a single flow of water into many tiny streams which introduces the air in to the water flow. Also, as there is less space for the water to flow through, the water flow is reduced, resulting in water savings. As the water pressure is maintained, most people don't notice a difference in the amount of water coming out of an aerated faucet yet benefit from the water efficiency.

Tap aerators are of most use to those with older taps which run on average around 15 Litres of water per minute. Adding an aerator to an older tap can reduce this to as little as 6 Litres of water per minute.

The biggest water saving benefit is achieved in the hand wash / kitchen sinks where you are often turning the taps on and off to wash your hands and for other uses.

The aerator tap is shown in figure 4-32.

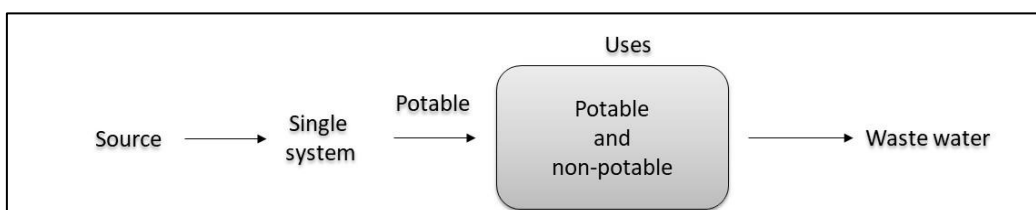


**Figure 4-32: Sample photo - Aerators for taps**

Tap aerators can save as much as up to half your water usage through this way. When you are using aerated water, you are unlikely to notice the difference except for saving water resulting in lower bills.

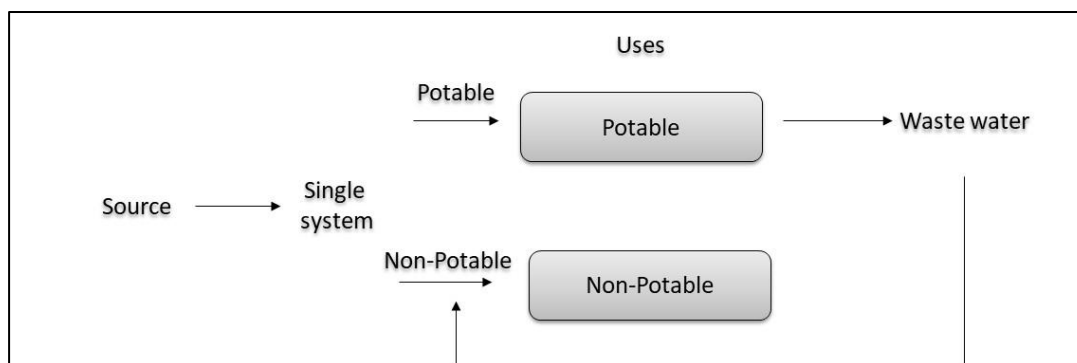
### 4.3.2. Dual Piping System

Dual piping system can be implemented to reduce the usage raw water. Dual piping is a system of plumbing installations used to supply both raw water and STP treated water. Under this system, two completely separate water piping systems are used to deliver water to the user. The STP treated final water can be used for flushing in the toilets. The conventional system and dual piping systems are shown in figure 4-33 and 4-34.



**Figure 4-33: Single piping systems**

The single conventional system is linear and draws from a source to provide potable water, which is used for all uses and becomes wastewater, which is disposed to the environment.



**Figure 4-34: Dual piping systems**

The dual system offers additional possibilities. It offers the possibility to cut the volume of wastewater that must be discharged to the environment, reduce the volume of water needed from the source. It is possible that the potable water infrastructure could then be downsized, depending on the situation.

### 4.3.3. Other recommendations

- Water conservation awareness campaigns
- Rain water harvesting for the terrace can be made to utilize rain water at large requirement.

## 5. ENERGY AUDIT

### 5.1. Facility Description

DSI campus receives power supply from the state electricity board (BESCOM – Bangalore Electricity Supply Company Limited) as HT 11 kV. DSI has availed power supply, with connection – RR. No 5313062791 (S5HT36).

Incoming power supply from BESCOM is received at the transformer yard inside the college premises. The 11 kV rated HT power supply is stepped down to LT 415 V, by one number of 1600 kVA rated transformer. Transformer unit installed inside college premises is as shown in the figure 5-1. The campus has one source of power supply, which caters power supply to Dental college and various other blocks including Engineering, MBA, Paramedical, etc.,



Figure 5-1: Transformer unit Installed in the campus

The name plate details of transformer are given in table 5-1.

S. No.	Description	Units	Details
1	Company	-	Subhasri Enterprises, Bangalore
2	Capacity	kVA	1600
3	Volts at No Load	HV	11000
4		LV	433
5	Amperes	HV	84
6		LV	2133
7	Phase	HV	Three-Delta
8		LV	Three-Star



S. No.	Description	Units	Details
9	Reference Specification	-	IS 2026
10	Insulation Level	-	LI 75 AC 28/3
11	Mfg. Year	-	2008
12	Serial No	-	810360
13	Frequency	Hz	50
14	Impedance Volts	-	6.50%
15	Vector Group	-	Dyn 11
16	Type of Cooling	-	ONAN
17	Core & Windings	kg	1900
18	Oil	kg	1000
19	Oil	Litres	1125
20	Total Mass	kg	5000
21	Transport Mass	kg	4000

**Table 5-1: Name plate details of transformer**

11 kV HT supply received at RMU. Then it is given to 1600 kVA transformer. Transformer step-downs 11kV voltage to 415 V. The LT supply from the transformer is taken to the main distribution panel. Electrical panel room is as shown in the figure 5-2. From the main distribution panel supply goes to Feeder pillar 1, NRI block, hospital and capacitor bank section and heritage block.

Feeder pillar 1 acts as loop to serve other feeder pillars. Table 3-12 details the complete description of fifteen feeder pillars distributing power supply to the entire campus.



**Figure 5-2: Electrical Panel Room**

S. No	Panel Name	Incoming Supply from	Connected Blocks	
1	Main Panel Board	1600 kVA, 11kV/415V Outdoor Transformer	Spare	
			NRI Block	
			Hospital	
			350 kVA Ar ACP Panel	
			Spare	
			1600 kVA, 11kV/415V Outdoor Transformer / 500kVA DG Set	Heritage Block
			Feeder Pillar 1	
2	Feeder Pillar 1	Main Panel Board	Feeder Pillar 2	
			Feeder Pillar 3	
3	Feeder Pillar 2	Feeder Pillar 1	Architect Building	
			PGDM	
			ICSC School	
			New Building Block (No. 13)	
			MCA & Electronics Block	
4	Feeder Pillar 3	Feeder Pillar 1	Indian Ladies Hostel	
			Computer Science Lab	
5	Feeder Pillar 4	Feeder Pillar 2	CD Sagar Fountain	
			CD Sagar 1st, 2nd Floor Lab & 4th Floor AC	
6	Feeder Pillar 5		Chemistry Chemical Old Pharmacy	
			Spare 1	
			Spare 2	
			Spare 3	
			Spare 4	
7	Feeder Pillar 6	Feeder Pillar 5	IM	
			Street Light Control	
			Spare -1	
			Spare -2	
8	Feeder Pillar 7	Feeder Pillar 8	Automobile	
			NEB	
			Mechanical Panel Room	
			Mechanical	
9	Feeder Pillar 8	Feeder Pillar 2 / 250kVA DG	Spare 1	
			Spare 2	
			Spare 3	
			Spare 4	

S. No	Panel Name	Incoming Supply from	Connected Blocks
10	Feeder Pillar 9		Main Library(New Block)
			Old Library
			Spare
			Parking Fountain
			Kuppa
11	Feeder Pillar 10	Feeder Pillar 1	AMF Panel
			NRI Hostel Main Panel Board
			NRI Kitchen
12	Feeder Pillar 11		Nursing & P.U College
			STP
13	Feeder Pillar 12	Feeder Pillar 15	Nelson Mandela Ladies Hostel
			Medical Electronics Block
			High Mask Light
			Spare
14	Feeder Pillar 13	Feeder Pillar 14	SP Boys Hostel & Old Civil
			High Mask Light (Staff Parking)
			Main Sump Motor
			Spare
15	Feeder Pillar 14		Spare
			Old Civil Block 6th & 7th Floor AC
			New Dental Block
16	Feeder Pillar 15	Feeder Pillar 12	Heritage Block Canteen & Mess
			Old Dental Block
			Vijaya Bank
			Staff Parking (High Mask Light)
17	250 kVA AMF Panel	Feeder Pillar 10 / 250kVA DG Set	NRI Hostel & CD Sagar
18	250 kVAr ACCP Panel	Main Panel Board	50 kVAr CB-1
			50 kVAr CB-2
			50 kVAr CB-3
			50 kVAr CB-4
			50 kVAr CB-5
			50 kVAr CB-6
			25 kVAr CB
			10 kVAr CB-1
			10 kVAr CB-2
			5 kVAr CB

**Table 5-2: Details of Connected loads to different feeder pillars**

From the Feeder pillar 14 power supply is given to New dental block and feeder pillar 15 is supplying power to Old dental block.

A total of 250 kVAr rated capacitor banks have been installed for power factor improvement. Figure 5-3 depicts the capacitor bank panel installed in the LT panel room.



**Figure 5-3: Capacitor Bank Panel**

There are 2 x 250 kVA and 1 x 400 kVA Diesel Generators (DGs) sets used for the backup power supply for the entire campus during power failure from BESCOM. 400 kVA and 250 kVA DG sets installed near the parking area of the college premises are shown in the figure 5-4. The name plate specifications of the three DG sets are given in the table 5-3.



**Figure 5-4: 400kVA and 250 kVA Diesel Generator (DG) set**

S. No.	Description	Unit	Details of DG Set		
			400kVA; Parking	250 kVA ; Main Sump	250 kVA; Parking
1	Make	-	KIRLOSKAR	KIRLOSKAR	STAMFORD

2	Rated Demand	kVA	400	250	250
3	Rated Power	kW	320	200	200
4	Rated Voltage	Volts	415	415	415
5	Rated Current	Amps	556.5	347.8	348
6	Frequency	Hz	50	50	50
7	Ambient Temperature	Degree Centigrade	40	40	40
8	Phase	-	Three	Three	Three
9	M/C No.	-	IS3 S210E105470	G S3 L1 07 F 19095	6031901

**Table 5-3: DG set specifications**

Mobile generator with a capacity of 62.5 kVA available in the campus is as shown in figure 5-5. Name plate details of the same are as depicted in the table 5-4.



**Figure 5-5: Mobile Diesel Generator (DG) set**

S. No.	Unit	Details
1	Model	KG 82.5WS2
2	Rating	62.5 kVA
3	Mfg. Date	25.02.2010
4	Sl. No.	10021142
5	Noise Limit	75 dB at 1 Meter
6	Certificate No.	2009/2503
7	Mfg. Name	Jackson Generators Pvt. Ltd. Puduchery

**Table 5-4: Mobile DG set specifications**

## UPS

The UPS power supply is given to the critical loads. Two number of 3kVA UPS supply is given to radiology lab. One number of 6 kVA UPS power supply is given to ceramic lab and Seminar-hall. Details of the UPS are given in the table 5-5.

S. No	Make of UPS	Capacity, kVA	Battery Details	Location
1	APC	3	8 x 42 Ah Exide	Ground floor
2	Power In	6	16 x 42 Ah Exide	New Dental
2	Delta	3	6 x 42 Ah	Ground floor – New Dental

**Table 5-5: List of UPS and its rated capacity**

Note: *As part of regular practice the inverters and batteries are always kept in a separate room and electrical panel rooms are separate.*

## 5.2. SRTPV (Solar Roof Top Photo Voltaic) system

During the audit Solar rooftop PV systems were installed at terrace of various blocks in campus. The power generated from the solar PV system is shared for Dental college and various other courses including Engineering, MBA, Paramedical, etc., Solar PV system installed in the campus for the power generation accounts to 388 kWp. Geo-tag photo of a solar PV panel installed in the campus is shown in figure 5-6. PV modules are made of multi crystalline. Details of solar panels at different locations and its capacity are given in table 5-8.



**Figure 5-6: Solar rooftop PV system**

S. No.	Location	Module Wattage in Wp	Peak Capacity in kWp	No. of Panels
1	Nursing	320	59	185
2	Architecture Department	370	40	108
3	EC Block	300	96	300
4	CSE Block	320	55	171
5	Medical Electronics Block	325	69	211
6	Polytechnic Block	320	64	200
	Total		<b>382</b>	<b>1175</b>

**Table 5-6: Details of Solar rooftop PV system**



## 5.3. Best Practices Implemented for Energy Conservation

During the study, observations were carried out on the usage of the inventories in the college building premises. In the intension of saving the electricity, various measures have been adopted in the college. Computers and AC units are used only during the working hours, after completion of class hours – fans, lights, computers and AC units are found to be turned OFF. This practice is followed across the college premises (class rooms, labs, staff rooms, office rooms, library and auditoriums).

### 5.3.1. Day-light Integration

During the audit phase classrooms, Staff-rooms, computer lab, seminar hall, UPS & batteries room and library areas were surveyed for illumination levels and fresh air-circulation. It was observed most of the rooms are well ventilated and day-light integrated; sample photos are shown in figure 5-9 and figure 5-12.

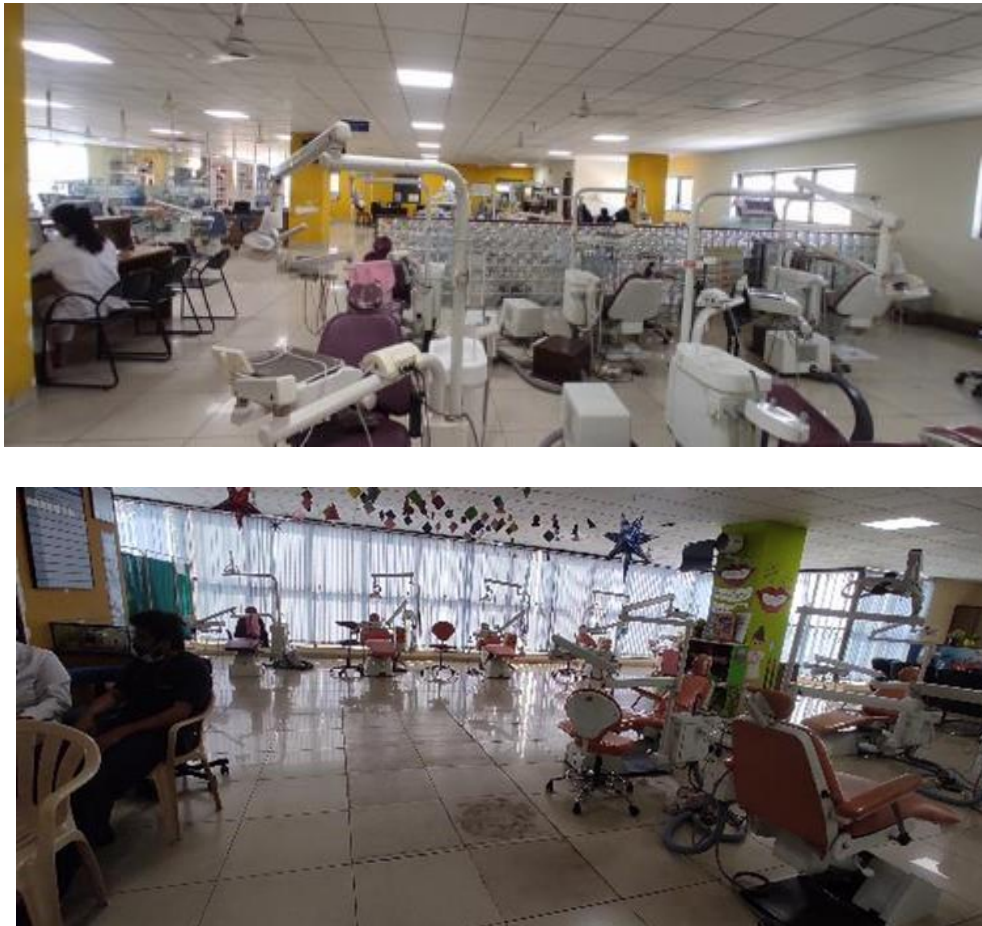


Figure 5-8: Day light integrated floors





**Figure 5-9: Day-light integrated Corridor and Seminar hall**



**Figure 5-10: Day-light integrated Library and learning area**



**Figure 5-11: Day-light integrated Laboratories**

### 5.3.2. Installation of LED lights

Many of the FTL in all the blocks of the campus are replaced with LED lights. LED tube lights are used in the class rooms, staff-rooms, corridors, hostel, dining area and in the library area. Sample photo of LED lamp used in the some of the locations of the college area are shown in figure 5-13 to figure to figure 5-14.



Figure 5-12: LED lights in the practice floors



Figure 5-13: LED lights in Classrooms, Labs, and Corridors

The cost savings by installation of LED lights are given in table 5-9 to table 5-11.

S. No.	Description	Unit	Details
1	Rated Wattage of LED lamps installed	W	18
2	Quantity of LED lamps installed	Nos	33
3	Rated wattage of lamps used earlier	W	36
4	Savings per lamp by installation of LED lamps	W	18
5	Total savings	kW	0.594
6	Working hours per day	hours	9
7	No. of working days per year	days	280
8	Annual electricity savings	kWh	1496.8
9	Average electricity cost	Rs./kWh	8
10	Annual cost savings achieved per year	Rs. lakh/year	0.12
11	CO2 mitigations per year	Tons/year	1.27

**Table 5-7: Annual cost savings by installation of 18 W LED tube-lights**

S. No.	Description	Unit	Details
1	Rated Wattage of LED lamps installed	W	10
2	Quantity of LED lamps installed	Nos	363
3	Rated wattage of lamps used earlier	W	36
4	Savings per lamp by installation of LED lamps	W	26
5	Total savings	kW	9.438
6	Working hours per day	hours	9
7	No. of working days per year	days	280
8	Annual electricity savings	kWh	23783.76
9	Average electricity cost	Rs./kWh	8
10	Annual cost savings achieved per year	Rs. lakh/year	1.90
11	CO2 mitigations per year	Tons/year	20.22

**Table 5-8: Annual cost savings by installation of 10 W LED lights**

S. No.	Description	Unit	Details
1	Rated Wattage of LED lamps installed	W	12
2	Quantity of LED lamps installed	Nos	175
3	Rated wattage of lamps used earlier	W	36
4	Savings per lamp by installation of LED lamps	W	24
5	Total savings	kW	4.2
6	Working hours per day	hours	9
7	No. of working days per year	days	280
8	Annual electricity savings	kWh	10584
9	Average electricity cost	Rs./kWh	8
10	Annual cost savings achieved per year	Rs. lakh/year	0.85
11	CO2 mitigations per year	Tons/year	9.00

**Table 5-9: Annual cost savings by installation of 12 W LED lights**

### 5.3.3. Installation of SRTPV system

Solar PV system installed in the campus for the power generation accounts to 382 kWp. Sample photo of a solar PV panel installed in the campus is shown in figure 5-15. PV modules are made of multi crystalline.



**Figure 5-14: Sample photo – SRTPV system**

The SRTPV system has net metering (Bi-directional meter) system. Power Purchase Agreement (PPA) made between the management trust and with BESCO with net metering arrangements has been reviewed.

Energy generation and cost savings of the SRTPV system of the campus is estimated and the same is given in the table 5-12.

S. No.	Description	Unit	Values
1	Rated Capacity of SRTPV system	kWp	382
2	Average units generated per day	kWh/day/kWp	3
3	No. of working days per annum	days	280
4	No. of years in operation	years	4
5	Annual energy generation from SRTPV	kWh/ annum	320880
6	Average energy cost	Rs./kWh	8
7	Annual cost savings due to installation of SRTPV	Rs. Lakh / annum	25.67
8	Total cost savings due to installation of SRTPV for 4 years	Rs. Lakh / annum	102.68
9	CO2 mitigations per year	Tons/year	272.7

**Table 5-10: Cost savings from SRTPV system**



#### 5.3.4. Procurement of LED/LCD monitors

LED/LCD monitors are used for all the desktop computers in staff rooms and in digital library. Sample photo is as shown in the figure 5-16.



**Figure 5-15: Use of LED monitors in the digital library**

### 5.3.5. Use of Sensor based Hand Driers and Hand Wash

Sensor based devise are most effective equipment in conserving energy. Sensor based hand driers are placed in the college at many of the hand wash areas. Sample photo of the sensor based hand drier and wash basin are shown in figure 5-17 and figure 5-18.



Figure 5-16: Sample photo of Sensor based Hand driers



Figure 5-17: Sensors based wash basin



### 5.3.6. Maintenance Complaint & log Register

There is a systematic process in place for complaints and maintenance monitoring. Once the complaint is attended and fixed, manual sign of completion is obtained from the person raised the complaint and then the complaint gets closed in the register. The picture of the complaint form is shown in figure 5-18.

**DAYANANDA SAGAR INSTITUTIONS**  
 FACILITY DEPARTMENT COMPLAINT REQUEST FORM  
 (Shavige Malleshwara Hills, K.S.Layout, Bangalore-560078)

Facility Ref No. \_\_\_\_\_ Date: \_\_\_\_\_

Requestor Name: \_\_\_\_\_ Department: \_\_\_\_\_

Nature of Complaint: \_\_\_\_\_

\_\_\_\_\_

Department HOD Sign, \_\_\_\_\_ Seal \_\_\_\_\_

Complaint Received By: \_\_\_\_\_ Complaint Completed By: \_\_\_\_\_

Requestor Comments and Sign (After completion of Job) \_\_\_\_\_

• Good    Satisfactory    Not Satisfactory

Note: Material estimation is given PTO for necessary approval

**Figure 5-18: Sample photo of Complaint register form**

DG log book is maintained regularly and a sample copy of log register is shown in figure 5-28.

DG UNITS & DIESEL CALCULATION SHEET - 2022									
SLNO	MONTH	DG UNITS	FUEL CONSUMPTION IN LITERS	DG SET RUNNING HOURS	FUEL EFFICIENCY LITERS/Hr	OPENING STOCK on 1st of every month in liters	MONTHLY PURCHASED DIESEL	TOTAL STOCK	CLOSING STOCK on 30th/31st of every month in liters
1	January								
2	February								
3	March								
4	April								1367
5	May	2644	995	42.3	23.5	1367	1200	2567	1572
6	June	2784	1010	46.34	21.8	1572	1200	2772	1762
7	July	2924	1043	31.89	32.7	1762	1200	2962	1919
8	August	2296	895			1919			
9	September	1104	695						
10	October	368	185						
11	November								
12	December								

**Figure 5-19: Sample photo of Complaint register form**

## 5.4. Recommendations

### 5.4.1. Replacement of conventional FTL with EE LED tube lights

#### Background

From the inventory data; collected during study it is observed conventional FTL lighting fixtures are used in the campus. The total number of 1x36W FTL fixtures is 244. The power consumed by FTL in comparison with LED fixtures is 50% higher. Replacing the existing FTL with LED will result in energy savings.

#### Recommendation

It is recommended to replace the existing 1x36W FTL lamps with 1x18W LED tube lights.

#### Energy Savings

The energy savings and investment cost for replacement of FTL with LED fixtures and its payback period are given in table 5-13.

S. No.	Description	Unit	Details
1	Total no. of FTL rated 36W	No.s	244
2	Power consumption by 1x36W FTL	kW	8.784
3	% of savings if all FTL replaced by LED fixtures	%	50
4	% of savings in kW if replaced by LED fixtures (Considering all fixtures)	kW	4.392
5	%of Lights found to be ON during working hours	%	75
6	Energy savings for fixtures in ON condition (4 x 5%)	kW	3.29
7	Total working hours per day	hours	9.0
8	Annual savings (6 x 7 x 280 days)	kWh/Annum	8300.9
9	Average energy cost per kWh	Rs./kWh	8.00
10	Annual cost savings	Rs. lakh	0.7
11	Cost of LED per fixture	Rs.	500.0
12	Total Investment cost for 244 LED fixtures	Rs. lakh	1.2
13	Simple payback period (12 / 10)	Years	1.84

**Table 5-11: Savings and payback period calculations on replacement FTL to LED**

## 5.4.2. Replacement of 18W CFL with 10W LED lights

### Background

From the inventory data; collected during study it is observed CFL lighting fixtures are used in the campus. The total number of 18W CFL fixtures is 55. The power consumed by FTL in comparison with LED fixtures is 50% higher. Replacing the existing FTL with LED will result in energy savings.

### Recommendation

It is recommended to replace the existing 1x18W FTL lamps with 10W LED lights.

### Energy Savings

The energy savings and investment cost for replacement of FTL with LED fixtures and its payback period are given in table 5-14.

S. No.	Description	Unit	Details
1	Total no. of CFL rated 18W	No.	55
2	Power consumption by 18W CFL	kW	0.99
3	% of savings if all FTL replaced by LED fixtures	%	55
4	% of savings in kW if replaced by LED fixtures (Considering all fixtures)	kW	0.5445
5	%of Lights found to be ON during working hours	%	75
6	Energy savings for fixtures in ON condition (4 x 5%)	kW	0.41
7	Total working hours per day	hours	9.0
8	Annual savings (6 x 7 x 280 days)	kWh/Annum	1029.1
9	Average energy cost per kWh	Rs./kWh	8.00
10	Annual cost savings	Rs. lakh	0.1
11	Cost of LED per fixture	Rs.	300.0
12	Total Investment cost for 55 LED fixtures	Rs. lakh	0.2
13	Simple payback period (12 / 10)	Years	2.00

**Table 5-12: Savings and payback period calculations on replacement CFL to LED**

### **5.4.3. Usage of Sign boards**

There were no Sign boards stating ‘Please turn off all electrical switches when not in use’ posted in class rooms, staff-rooms, labs, libraries hostels and corridors.

### **5.4.4. Other energy conservation opportunities**

- Sensor based lighting system can be implemented at the suitable areas.
- Conduct training and awareness programs on energy conservation

## 6. WASTE MANAGEMENT AUDIT

### 6.1. Facility Description

The study involved carrying out various analyses to realistically assess waste generation. There are different types of waste generated in the college and is tabulated in table 6-1.

S. No.	Description	Yes / No	Details
1	E-Waste	Yes	External Agency
2	Hazardous / Chemical Waste	No	NA
3	Solid Waste	Yes	BBMP
4	Dry Leaves	Yes	Compost pit
5	Food Waste	Yes	Piggeries
6	Waste Water	Yes	STP
7	Glass Waste	No	BBMP
8	Sanitary Napkins	Yes	BBMP
9	Unused Materials	No	BBMP
10	Plastic Waste	Yes	BBMP

**Table 6-1: Types of Waste Generated in the DSCDS**

From the table above it is clearly understood that the garbage segregation is done and the garbage is given to external agencies / municipal agencies from time to time in order to maintain the college premises clean & hygiene.

The Institution implements solid waste management by enforcing the waste segregation rules. Solid waste includes both biodegradable and non-biodegradable components. The non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Biodegradable waste includes food waste, vegetable peels, leaves etc. Liquid waste is sent to STP to treat and reusing it for gardening.

E-waste or Electronic waste, refers to all items of electrical and electronic equipment (EEE) and its parts that have been discarded by its owner as waste without the intent of re-use. In academic institutions major e-waste are accounted as old computers and its accessories. Such E-waste are segregated from the dry waste and given to e-waste disposing vendors.

### 6.1.1. Dry Waste Management

Separate bins are used across the campus for Dry and Wet waste collection. Each room (Staff, class rooms, office, restrooms, and library) is provided with the dustbin to segregate waste.

The housekeeping staffs clean and collect the wastes generated inside the campus and dump them into the larger waste bins in segregated manner at disposal point. From, there the wastes are taken by the BBMP vehicles. Sample photo of waste collection bin placed at corridor is shown in figure 6-1.



**Figure 6-1: Sample photo of Dustbin at corridor**

The garbage segregation is done at the college premises and the garbage is given to external agencies / municipal agencies from time to time in order to maintain the college premises clean & hygiene. Figure 6-2 shows the waste collection areas and Figure 6-3 shows a sample dry and wet waste collection points available in the college campus.



**Figure 6-2: Dry and wet waste collection area**



**Figure 6-3: waste collection bins in the campus area**

Dry waste is collected in dry waste collection area located near staff parking. Dry waste segregation is not done properly. Hence it is recommended to practice dry waste segregation.



### **6.1.2. Wet Waste Management**

To manage the wet waste produced in the college, management has taken initiative to separate the wet waste from dry waste. Wet waste is produced from kitchen of cafeteria in the campus is segregated separately and given to the local piggeries and remaining waste has been dumped to dry-leaves compost pit to form manure. The remains of the tiffin boxes brought by the students, teachers, & staff of the college, are collected separately and dumped in dry-leaves compost pit.

Food waste in the canteen is collected in plastic drums. This waste has been given to piggeries on daily basis. Before lockdown 50-70 kg/day of food waste and during lockdown 20-30 kg/day of food waste was produced.



### 6.1.3. Bio-medical waste Management

In the dental hospital practice floors, each department's treatment section for each of the dental engine setup; there is a separate dustbin placed. It is hygiene practice to maintain cleanliness and health of the patient and doctor.



Figure 6-4: Sample photo of Dustbins

Segregation of bio-waste at source level is best way of Waste management by using color code bins. Sample photos of using color code bins are shown in the figure 6-4 and figure 6-5.



**Figure 6-5: Sample photo of Color-coded Waste collection bins**

Bio-waste has been disposed to Maridi Bio Industries Pvt. Ltd. Sample copy of the MoU between DSCDS and Maridi Bio Industries Pvt. Ltd is as shown in figure 6-8 and figure 6-9.

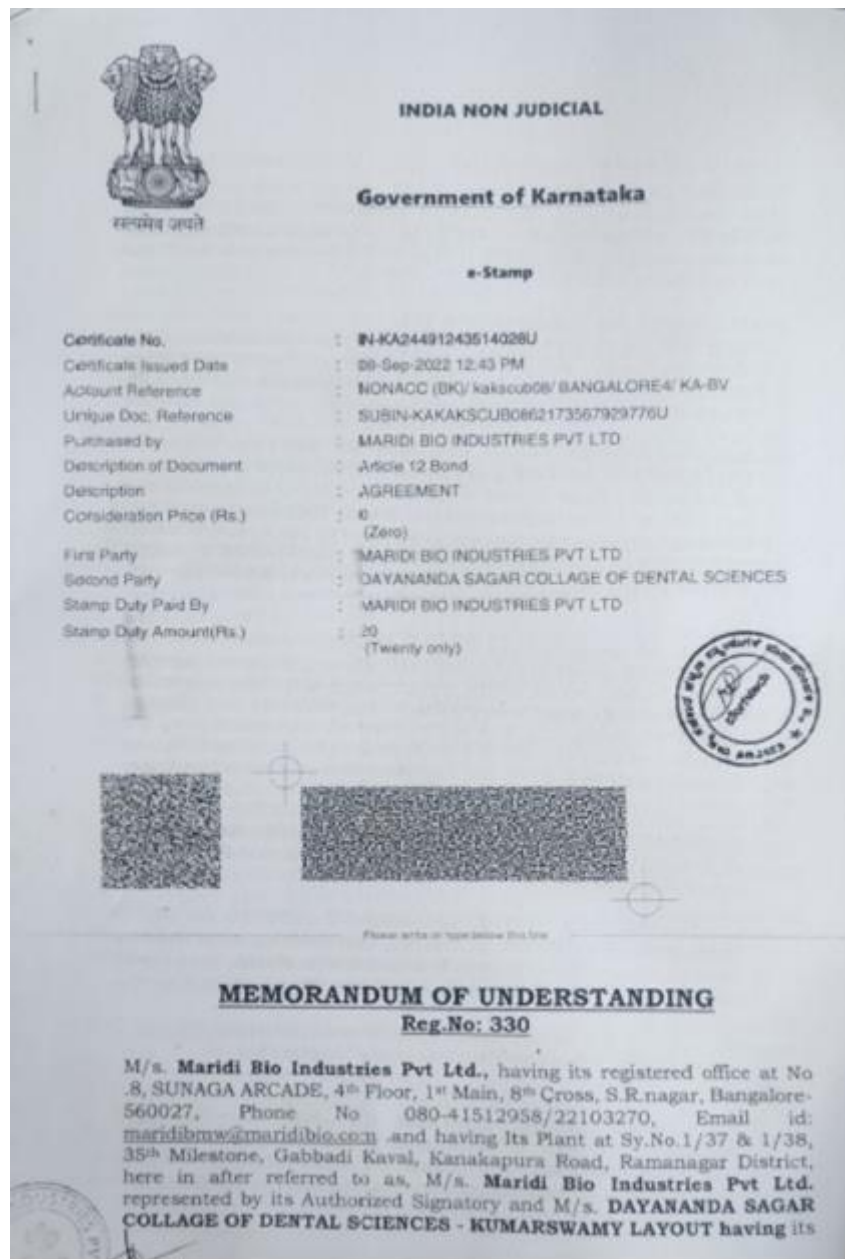


Figure 6-6: Image 1 of 2 – MoU for bio-waste management

centre at shiavige malleswara hills, kumaraswamy layout, bangalore-78. Mob: 9741117159, Email: [principal@dscds.edu.in](mailto:principal@dscds.edu.in). Here in after referred to as M/s. **DAYANANDA SAGAR COLLAGE OF DENTAL SCIENCES - KUMARSWAMY LAYOUT** is hereby agreed and come to the Memorandum of Understanding on this 22<sup>nd</sup> Day of August month year 2022 as detailed below:

- a. M/s. **Maridi Bio Industries Pvt Ltd.** with consent from Karnataka State Pollution Control Board is having a common treatment facility for Managing Bio-Medical Waste in Ramanagaram district at 36<sup>th</sup> Mile Stone, Kanakapura Road. The facility is having a state of art Autoclave system along with the shredder and Incinerator.
- b. M/s. **DAYANANDA SAGAR COLLAGE OF DENTAL SCIENCES - KUMARSWAMY LAYOUT** gives its bio-medical waste properly packed in color-coded bags as per pollution control Board regulations for treatment and final disposal to M/s. **Maridi Bio Industries Pvt Ltd.** The waste should be given at one single point by the M/s. **DAYANANDA SAGAR COLLAGE OF DENTAL SCIENCES - KUMARSWAMY LAYOUT** at given time of M/s. **Maridi Bio Industries Pvt Ltd.** Vehicle.
- c. M/s. **Maridi Bio Industries Pvt Ltd.** will charge a price of Rs. 10000/- Per Month (Rupees ten thousand only); **(Up to 100 kgs per month, if it exceeds Rs.65/- per Kg will be charged extra, GST Extra as applicable) (Excluding Poly bags)** transportation, treatment and final disposal of biomedical waste. This Price will be fixed for a period of one (1) year from date of this agreement and thereafter there will be 12% (Twelve Percent) escalations in the price for every one-year on existing rate.
- d. M/s. **DAYANANDA SAGAR COLLAGE OF DENTAL SCIENCES - KUMARSWAMY LAYOUT** will not enter into any agreement with any other party or organization for the waste treatment and disposal unless cancel of this agreement.
- e. M/s. **DAYANANDA SAGAR COLLAGE OF DENTAL SCIENCES - KUMARSWAMY LAYOUT** is assuring that payment should be made through Account Payee cheque in favour of M/s. **Maridi Bio Industries Pvt Ltd.** on or before 5<sup>th</sup> of every month.
- f. M/s. **Maridi Bio Industries Pvt Ltd.** is not responsible for any cash payments and also we will collect cheque bounce charges.
- g. In case of non-receipt of payment on the agreed date from M/s. **DAYANANDA SAGAR COLLAGE OF DENTAL SCIENCES - KUMARSWAMY LAYOUT** M/s. **Maridi Bio Industries Pvt Ltd.** will stop the collection of waste immediately with intimation to Karnataka State Pollution Control Board. The delayed payments will be collected with an interest of 18% per annum.

Figure 6-7: Image 2 of 2 – MoU for bio-waste management

#### **6.1.4. E- Waste Management**

E-waste like desktop computers, key boards, mouse CPU, batteries are segregated as e-waste. Batteries are exchanged on buy back policy. Other e-waste is given to vendor when the quantity is more.

## 6.2. Best Practices Implemented for Waste management

### 6.2.1. Color Code Bins

The garbage segregation is done and the garbage is given to external agencies / municipal agencies from time to time in order to maintain the college premises clean & hygiene. Figure 6-7 shows the sample photo of waste segregation bins at the treatment wards.



Figure 6-8: Sample photo of Color-coded Waste collection bins

### 6.2.2. Waste Segregation

Dry waste and waste are separated at the source level in the college. Sample photos of dry waste segregation is shown in the figure 6-8.



Figure 6-9: Waste segregation

### **6.2.3. Dry leaves compost pit**

Composting dry leaves make a dark, rich, earthy, organic matter that can be used as soil. It adds nutrients to the garden soil and the larger particle size helps enhance the tilth and then loosen compacted earth. The composting process retains moisture and repels weeds when used as a top dressing or mulch.



#### 6.2.4. Sewage Treatment Plant for waste water recycling

The procedure for removing contaminants from the wastewater basically from the household sewage is called sewage treatment. It has to undergo the chemical, physical and biological procedure to remove these contaminants and give out an environmentally safe treated effluent. A semi-solid slurry called the sewage sludge is the by-product of the sewage treatment. This sludge is further processed before it is suitable for land application.

The institution has installed STP with capacity of 180 kLPD and the quantity of final treated water is 75% of the total capacity, which is 135 kLPD.

The details of water savings and cost savings due to installation of STP is given in table 4-1.

S. No.	Description	Unit	Details
1	STP capacity	kLPD	180.0
2	Quantity of final treated water from STP	kLPD	135.0
3	Quantity of water reused @ 50% utilization factor	kLPD	67.5
4	No. of working days per year	days	280.0
5	Annual Quantity of water reused (saved)	kLPD	18900
6	Average water cost	Rs./Litre	0.086
7	Annual cost savings achieved	Rs. lakh/year	16.25

**Table 6-2: Annual Savings - STP – Waste water recycling**

### 6.2.5. Maintenance Team

The college management has formed separate operations & maintenance team, house-keeping team and security personnel's for maintaining the cleanliness of various areas inside the campus.

During the audit, walk through survey was carried out to observe the maintenance of the electrical panels, water distribution system, housekeeping and log book/ records for maintenance and housekeeping.

The entire campus is maintained clean and tidy. The electrical panels, panel rooms in each block, sub-station, DG set area, water distribution system, STP area, terrace water tanks, solar water heaters, SRTPV systems, class rooms, office rooms, hostels, kitchen and dining area, canteen, auditorium, library, playground, corridors, walk ways, and toilets & wash rooms, is found to be well maintained and cleaned on regular intervals.

The college campus has a dedicated team for maintenance of the campus. The breakup of the maintenance team members is given in table 6-3. Sample bill copy of list of items purchased for housekeeping and maintenance is given in figure 4.21.

**Table 6-3: Details of maintenance staffs**

S. No.	Department	No. of Staffs
1	Electrical	05
2	Carpentry	02
3	House Keeping	118
4	Plumbing	03

## Annexure to PD No: DSCE/PO/General-050/2022-2023 Dt: 20.09.2022

SN	Particulars	Qty	Unit	Rate	Amount	SGST	CSGT	Total
1	Acid	210	ltrs	18.60	3906.00	9%	9%	4609.08
2	Air pocket	825	nos	42.32	13754.00	9%	9%	16229.72
3	Bleaching powder	30	kg	14.72	441.60	9%	9%	521.09
4	Blue Harpic	248	nos	50.76	12588.48	9%	9%	14854.41
5	Brass Metal polish (big)	3	nos	263.65	790.95	9%	9%	933.32
6	Buckets( Big Size)20.Ltr	47	nos	44.20	2077.40	9%	9%	2451.33
7	Buckets( Small Size) 5.Ltr	32	nos	35.90	828.80	9%	9%	977.98
8	Check Cloth	264	nos	6.50	1716.00	2.50%	2.50%	1801.80
9	Chlorine	25	ltrs	70.30	1757.50	9%	9%	2073.85
10	Cob web stick	51	nos	83.25	4245.75	9%	9%	5009.99
11	Colin	95	nos	52.65	5001.75	9%	9%	5902.07
12	Commode brush	57	nos	26.85	1530.45	9%	9%	1805.93
13	Dettol hand wash	130	nos	62.00	8060.00	9%	9%	9510.80
14	Dettol soap	24	nos	22.20	532.80	9%	9%	628.70
15	Dettol Disinfectant spray (170ML)	30	nos	113.75	3412.50	9%	9%	4026.75
16	Dry Mop with Stick	30	set	208.00	6240.00	9%	9%	7363.20
17	Dust Bins(8.Ltr)close	25	nos	170.20	4255.00	9%	9%	5020.90
18	Dust Bins(8.Ltr)open	25	nos	27.25	681.25	9%	9%	803.88
19	Dust Pan (Big size)	102	nos	16.75	1708.50	9%	9%	2016.03
20	Floor Brush	19	nos	104.50	1985.50	9%	9%	2342.89
21	Garbage Cover (Big)	350	kg	103.50	36225.00	9%	9%	42745.50
22	Garbage Cover (Small)	350	kg	103.50	36225.00	9%	9%	42745.50
23	Green Scrubber	250	nos	6.90	1725.00	9%	9%	2035.50
24	Hand Gloves	65	set	22.50	1462.50	9%	9%	1725.75
25	Hand Towel	45	nos	14.80	666.00	2.50%	2.50%	699.30
26	Hard Broom	120	nos	22.30	2676.00	9%	9%	2676.00
27	Hit Spray	78	nos	77.25	6025.50	9%	9%	7110.09
28	Johnsons Baby oil (100ML)	28	nos	87.20	2441.60	9%	9%	2881.09
29	Lizol (500ML)	150	nos	55.25	8287.50	9%	9%	9779.25
30	Mask	50	nos	0.70	35.00	2.50%	2.50%	36.75
31	mop Clip	23	nos	33.30	765.90	9%	9%	903.76
32	Mop Cloth (Big Size)	286	nos	9.60	2745.60	9%	9%	3239.81
33	Mop Refill	205	nos	31.45	6447.25	9%	9%	7607.76
34	Mop With Stick 6"	103	set	90.00	9270.00	9%	9%	10938.60
35	Mysore sandal soap (Big Size)	5	kg	29.35	146.75	9%	9%	173.17
36	Naphthalene Balls	13	kg	111.00	1443.00	9%	9%	1702.74
37	Nylon Scrubber	150	nos	6.10	915.00	9%	9%	1079.70
38	Patty Blade 6"	100	nos	3.70	370.00	9%	9%	436.60
39	Phenyl	650	ltrs	19.75	12837.50	9%	9%	15148.25
40	Rat Mats	95	nos	42.50	4037.50	9%	9%	4764.25
41	Red Harpic	300	nos	69.50	20850.00	9%	9%	24603.00
42	Road Brush	40	nos	103.50	4140.00	9%	9%	4885.20
43	Room Freshner	150	nos	57.50	8625.00	9%	9%	10177.50
44	Sink Brush (small)	53	nos	14.80	784.40	9%	9%	925.59
45	Soap Oil	580	ltrs	18.00	10440.00	9%	9%	12319.20
46	Soap Powder (1Kg PKT)	4	kg	44.50	178.00	9%	9%	210.04
47	Soft Broom	162	nos	50.50	8181.00	0%	0%	8181.00
48	Water Squeezer	21	nos	71.50	1501.50	9%	9%	1771.77
49	Steel Scrubber	191	nos	5.50	1050.50	9%	9%	1239.59
50	Steel Polish	27	ltrs	230.00	6210.00	9%	9%	7327.80
51	Thinner	63	ltrs	70.00	4410.00	9%	9%	5203.80
52	Tissue paper	25	pkt	14.00	350.00	9%	9%	413.00
53	Tissue Roll	71	nos	14.50	1029.50	9%	9%	1214.81
54	Urinal Cake	700	nos	8.75	6125.00	9%	9%	7227.50
55	Vim Soap (Big Size)	25	nos	17.50	437.50	9%	9%	516.25
56	Rin Soap (big Size)	25	nos	6.75	168.75	9%	9%	199.13
57	Window cleaning Brush	38	nos	50.85	1932.30	9%	9%	2280.11
58	Yellow Cloth	218	nos	6.50	1417.00	2.50%	2.50%	1487.85
59	Liquid Detergent	25	ltrs	90.00	2250.00	9%	9%	2655.00
60	Costing Soda	5	kg	59.00	295.00	9%	9%	348.10
61	Good Night Active	15	nos	48.50	727.50	9%	9%	858.45
	<b>Total</b>				<b>291364.8</b>			<b>341357.76</b>

Figure 6-10: Sample procurement bills for housekeeping items

Date : 17/10/2022

Submitted to Honorable Chairman

Through : Joint Secretary

Sub : Procurement of plumbing items for day-to-day maintenance work at OSI - Campus 1

SL.No	Items	Brand	Size	June	July	August	Qty	Unit	M/s. Anand Ceramics & Hardware	
									Rate	Amount
1	3/4" PMS Clamp		3/4"	4 nos	4 nos	4 nos	50 Nos	8.00	400.00	
2	1" MS Clamp		1"	nil	nil	nil	50 Nos	10.00	500.00	
3	1" CPVC MTA	ASHIRVAD	1"	nil	2	nil	35 Nos	35.00	1225.00	
4	1" CPVC FTA	ASHIRVAD	1"	nil	nil	nil	35 Nos	45.00	1575.00	
5	Cera Gummode Setting Cover	CERA		nil	nil	nil	15 Nos	650.00	9750.00	
6	Flush Tank Clamp			nil	nil	nil	25 Nos	50.00	1250.00	
7	1 1/4" Gate valve	ASHIRVAD	1 1/4" CPVC	nil	nil	3	10 Nos	545.00	5450.00	
8	Back Nosh			4	nil	1	10 Nos	90.00	900.00	
9	hd Seal			3	9	nil	10 Nos	30.00	300.00	
10	Siphon set	HINDWARE		1	nil	nil	10 Nos	1250.00	12500.00	
11	Flush tank ball wall	HINDWARE		nil	3	3	10 Nos	280.00	2800.00	
12	Wast Pipe Flexible			5	4	1	10 Nos	75.00	750.00	
13	Push Cock	VIRING	often	nil	nil	nil	10 Nos	475.00	4750.00	
14	Often Spindle	JAGJARI	often	nil	6	nil	10 Nos	375.00	3750.00	
15	C.P nipple			nil	4	2	10 Nos	75.00	750.00	
16	C.P pipe with chakra net			nil	nil	nil	30 Nos	445.00	13350.00	
17	Angul Cock	ESS		nil	4	2	30 Nos	275.00	8250.00	
18	pillar cock	ESS		5	5	1	30 Nos	953.00	28590.00	
19	long Road taps	ESS		nil	2	nil	20 Nos	881.00	17620.00	
20	short Road taps	ESS		1	nil	nil	30 Nos	1096.00	32880.00	
21	hd sink Sway cock			3	nil	nil	15 Nos	2780.00	41700.00	

Figure 6-11: Sample procurement bills for Plumbing items

**Tax Invoice** FORMAL INVOICE

<p><b>VAISHAV LIGHTRONICS</b>          112/2, Koramangala 4th Cross,          Bangalore - 560078          Phone: 9845472000          Email: vaishavlightronics@gmail.com</p> <p><b>DATANKANDA SAGAR COLLEGE OF DENTAL SCIENCES</b>          Shivga Mallaswara 1106,          Mumukshubhary Layout, Bangalore - 560078          GSTIN: IN29AAATM202003220          State Name: Karnataka, Code: 29</p>	<p>Invoice No: 499/2022  <b>3111</b>          Invoice Date: <b>25 Sep 2022</b></p> <p>Supplier Ref: <b>3111</b>          Buyer's Order No: <b>08/2022/001</b>          Invoice Date: <b>25 Sep 2022</b></p> <p>Destination Address: <b>Mumukshubhary</b>          Terms of Delivery: <b>Destination</b></p>
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Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	Tax	Amount
1 <b>36W LED 2X2 PANEL</b> Down Lighter	9405	18%	161 Pcs	1,400.00	Pcs	2,11,400.00
<b>CGST @ 9%</b>						19,026.00
<b>SGST @ 9%</b>						19,026.00
<b>Total</b>			<b>161 Pcs</b>			<b>2,49,452.00</b>

Amount Chargable (in words): **INR Two Lakh Forty Nine Thousand Four Hundred Fifty Two Only**

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
9405	2,11,400.00	9%	19,026.00	9%	19,026.00	38,052.00
<b>Total</b>	<b>2,11,400.00</b>		<b>19,026.00</b>		<b>19,026.00</b>	<b>38,052.00</b>


Tax Amount (in words): **INR Thirty Eight Thousand Fifty Two Only**

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details:  
 Bank Name: **Standard Chartered Bank**  
 A/C No: **4860385687**  
 Branch & FS Code: **112, Koramangala & SCBL0024673**

Customer's Seal and Signature: *Checked 24/9/2022 [Need of Block]*

SUBJECT TO BANGALORE JURISDICTION  
This is a Computer Generated Invoice



**Figure 6-12: Sample procurement bills of LED**

### 6.3. Recommendations

The following are the recommendations for the better waste management.

- Conducting a greater number of waste management (collection) drives.
- Organizing Zero Waste Campus Campaigns every year
- Installation of dry leaf composter for the manure generation through dry leaves of garden.
- Replacement of plastic can be made with steel cutlery in the canteen
- Awareness programs and trainings
- Conducting Seminars and Workshops

## 7. GREEN CAMPUS MANAGEMENT AUDIT

### 7.1. Facility Description

Institution maintains a clean and green environment within the campus. This Institution ensures the green environment by establishing a separate maintenance department. The maintenance team takes care of the up-keeping of the environment and ensures to keep the surroundings clean. It maintains the lawn and plantations by employing gardeners and the cleanliness has been maintained by employing sufficient number of sweepers.

The maintenance staff members do periodic checks and maintain records for the same. Many initiatives are taken by the management to inculcate the eco-friendly culture among the student community. The lush green campus provides the facilities such as rain water harvesting, well grown trees and water reuse treatment plant.

#### 7.1.1. Plantations and Lawn

The campus is gifted with adequate greenery like banana plantation, Green house, nursery plants and tree plantations. The greenery in the campus also aids in soil quality protection, watershed, landslide stabilization erosion control, and windbreaks. Such plantations are established to foster native species and promote forest regeneration on degraded lands as a tool of environmental restoration. The college is surrounded by ample greenery along with artificial landscaping in the heart of the campus. Vegetation is maintained and nurtured around main areas of the campus. The campus is enveloped by the canopy of huge trees.

This section includes the plants and greenery of the campus. There are more than 2000 plant species identified inside the campus. Garden area inside the college is available.

1. Total number of plant species identified - 2000
2. Total number of plants in the campus - 1500
3. Total number of Trees in the campus - 750
4. Total Garden area in the college campus accounts to – 18 Acres
5. Total number of medicinal plants /trees in the campus – 20 Species
6. Total number of vegetables and fruits plantation in the campus – 20 Species

Sample list of plants in the campus with the scientific names and quantity is as given below in the table 7-1.



S. No.	Common Name	Scientific Name	No. of Trees/plants	Uses
1	Gulmohar	Delonix regia	4	Ornamental
2	plumeria	plumeria rubra	6	Ornamental
3	Amaltus	Cassia fistula	2	Ornamental
4	Bottle Brush	Callistemon citrinus	2	Ornamental
5	Jack Fruit tree	Artocarpus heterophyllus	2	Fruit & Wood
6	Rosy trumpet	Tabebuia rosea	2	Ornamental
7	Sacred Fig	Ficus religiosa	2	Ornamental
8	Mango	Mangifera indica	4	Fruit
9	Silver Oak	Grevillea robusta	4	Wood
10	Pougamia	Millettia	10	Leaves & Wood
11	Coconut tree	Cocos nucifera	10	Nuts
12	Ashoka tree	Saraca asoca	20	Ornamental
13	yellow trumpet	Tecoma stans	2	Ornamental
14	Tamarind tree	Tamarindus indica	4	Pods & wood
15	Iron wood Tree	Olneya tesota	1	Ornamental
16	Eucalyptus tree	Eucalyptus globulus	2	Wood
17	Fig	Ficus carica	1	Fruit & Wood
18	Bauhinia	Bauhinia blakeana	4	Wood
19	Ficus	Ficus benjamina	2	Wood
20	Bilva	Aegle marmelos	2	Wood

**Table 7-1: Sample list of plants / trees with their scientific names**

Some of the photos of trees in the campus are as shown in the figure 3-55.

The images of various plantations taken during the audit are shown in the following figure



(a)



(b)



(c)

**Figure 7-1: (a)(b)(c)-Plantation in the entrance area**



(a)



(b)



(c)



(d)

Figure 7-2: (a)(b)(c)(d)- Plantations all on the way to campus





(a)



(b)



(c)

Figure 7-3: (a)(b)(c)- Some of the trees and plants near canteen



(a)



(b)



(c)

Figure 7-4: (a)(b)(c)- Some of the trees in the campus with the name-plates



(a)



(b)



(c)

**Figure 7-5: (a)-Plantations near college mess**

**(b)-Plantations inside the college**

**(c)-Trees and plantation near the parking area**





(a)



(b)

**Figure 7-6: (a) Indoor plants in Bio-chemistry lab (b) Indoor plants near lift**



(a)



(b)

**Figure 7-7: (a) Indoor plants in the corridors (b) Indoor plants outside the classrooms**

## 7.2. Best Practices Implemented for Green Campus Management

The maintenance staff members do periodic checks and maintain records for the same. Many initiatives are taken by the management to inculcate the eco-friendly culture among the student community. The green campus provides the facilities such as rain water harvesting, well grown plantations and lawn all around the campus.

- Green landscaping with trees, plants like vegetable, fruits and medicinal plants; lawns
- Paperless office: All communication regarding academics and administration are sent as e-mails and messages to faculty members and students that contributes paperless communication



**Figure 7-8: Sapling Plantation on Ramakrishna Paramahansa Jayanthi**



### 7.3. Recommendations

- Encouraging students to recommend creative ideas for making campus more greenery.
- Conducting competition among departments to promote student's ideas in sustainability initiatives

## 8. ENVIRONMENT AUDIT (CARBON FOOTPRINT ANALYSIS)

### 8.1. Facility Description

The carbon footprint is "the total amount of greenhouse gas (GHG) emissions caused by an organization, event or product". Global warming and climate change are the foremost environmental challenges facing the world today. It is our responsibility to minimize the consumption of energy and hence reduce the emissions of greenhouse gases.

To analysis the carbon footprint, transportation details of students and staff are collected as below:

1. Whether college provides transport facility for staff and students (Yes/No)? No,
2. Number (or Percentage) of Staff using public transport: 03%
3. Number (or Percentage) of Staff using Bike: 57%
4. Number (or Percentage) of Staff using Car: 31%
5. Number (or Percentage) of Staff using Electric Bike: 08%
6. Number (or Percentage) of Staff using Bicycle: 01
  
7. Number (or Percentage) of students using public transport: 46%
8. Number (or Percentage) of students commute by walking: 36%
9. Number (or Percentage) of students using Bike: 16%
10. Number (or Percentage) of students using Electric Bike: 01%
11. Number (or Percentage) of students using Bicycle: 01%

## 8.2. Best Practices Implemented for Environment Conservation

### 8.2.1. Use of Air purifiers in the treatment floors

The buildings are always engaged with the continuous passage of a larger number of occupants and with goods, several other items. All these materials may release volatile organic compounds (VOC's), obnoxious gases & particles into the premises. Eventually, the indoor air inside the commercial buildings will lose its quality. Moreover, the most common challenge in the buildings is the lower concentration on ventilation facilities, indoor air recirculation systems. As a result, occupants in the buildings are more susceptible to poor health. Pollutants occupied in the indoor environment can increase the risk of illness. Poor indoor air quality in the commercial spaces is due to the presence of:

- Molds, spores, pollens
- Carbon monoxide, radon, volatile organic compounds (VOCs)
- Bacteria, viruses, and byproducts
- Vehicle engine exhaust, exhaust from industrial plants
- Asbestos, clays, elemental particles, and man-made fibers

Control of indoor air quality involves integrating three main strategies. First, manage the sources of pollutants either by removing them from the building or isolating them from people through physical barriers, air pressure relationships or by controlling the timing of their use. Second, dilute pollutants and remove them from the building through ventilation. Third, use filtration solutions/ products to clean the air of pollutants.

Air purifiers inside the hospital wards keeps the air clean fresh. Sample photo of Oral medicine Air purifier in the DSCDS premises is shown in figure 8-1.



**Figure 8-1: Sample photo of Oral medicine air-purifiers**

### 8.2.2. Encouraging for usage of electric vehicles

The institution management is recommending and encouraging the staff and students to use the public transport and electric vehicles, to reduce the carbon foot prints.

Some of the staff & students coming to college are Electric bikes. During audit pictures of electric bikes are taken and the same is given in figure 8-1.



Figure 8-2: Sample photos of electric vehicles

### 8.2.3. Awareness program – No Tobacco Day

Dayananda Sagar College of Dental Sciences in association with Karnataka Cancer Society observed the **World No Tobacco Day on the 31<sup>st</sup> of May 2022**. In this connection, a mega awareness rally was organized from Banashankari bus stand to our college campus between 9 AM to 10.30 AM. About 400 students and staff were participated in the rally to convey the consequences of tobacco usage were performed for the benefit of public.



Figure 8-3: Sample photos of 'No Tobacco Day'

### 8.2.5. Quit smoking Awareness poster – Hospital

A big poster on ‘Quit smoking’ is placed at the entrance of the hospital. Sample picture of the same has been shown in figure 8-4

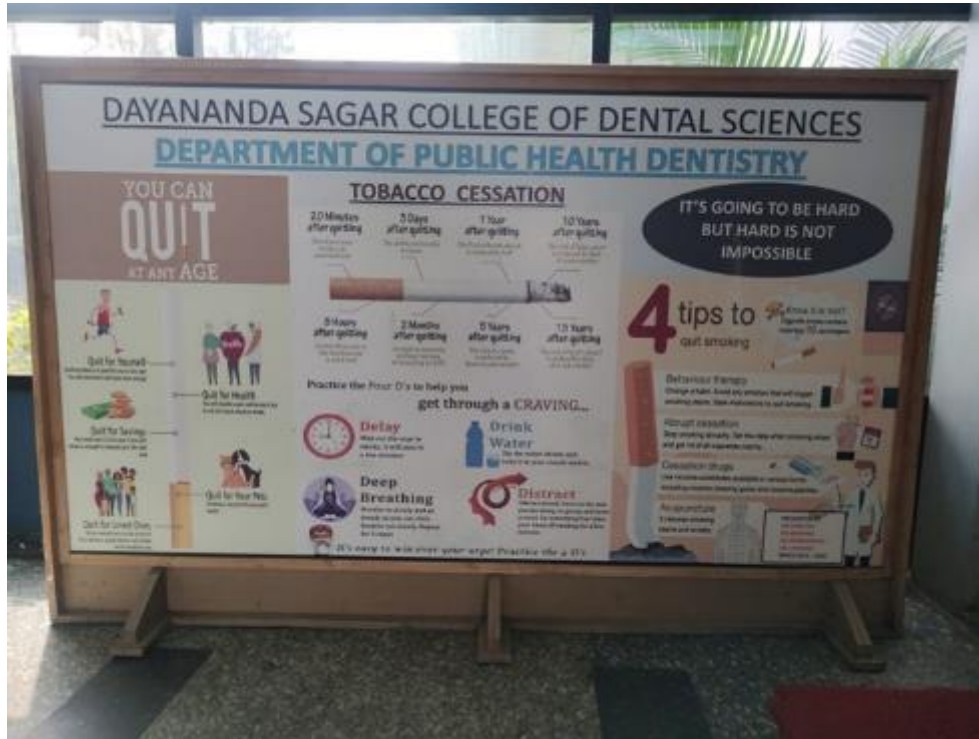


Figure 8-4: Sample photos of Poster – Quit Smoking



### 8.2.6. Awareness program – World Environment day

On the occasion of World Environment Day, Dayananda Sagar College of Dental Sciences NSS unit organized a cyclathon from the college campus to Vidhana Soudha with a pit stop at Lalbagh west . NSS volunteers enthusiastically cycled a distance of 24kms from college to Vidhana Soudha and back. Posters and banners about Environment awareness were displayed at Lalbagh and Vidhana Soudha. Sample photo of the event is shown in figure 8-4.



Figure 8-5: Sample photo of World environment day

### 8.3. Recommendations

During the study, there was continuous interaction between the audit team, college engineers and staff members to ensure that the suggestions made are realistic, practical and implementable.

- Recommend more staffs to use car-pooling system
- Recommend students and staff to use more public transport system
- Recommend students and staff to use more bicycle
- Recommend staff and students to use more electric vehicles

## 9. ANNEXURES

### 9.1. Data Collection Questionnaire

A questionnaire is a checklist used as the primary tool for the collection of data / information in a systematic manner that enables to perform the audit.

#### 9.1.1. General information of the college:

General information of the college needs to be collected to get an overview of the campus for the walk-through purpose. It includes a set of questionnaires as given below.

##### 1. Internal Environment Quality Audit Team : 2020 – 2021

Table 9-1 depicts the format for the collection of Internal Environment Quality Audit team.

**Table 9-1: Internal Environment Quality Audit team**

S. No.	Name	Designation	Role
1			
2			
3			

##### 2. General Information of the college

General information of the college includes an address of college and head office, contact person details, year of establishment etc., as given in table 9-2.

**Table 9-2: General information of the college**

S. No.	Description	Details
1.	Name of the College and address:	
1.a	Head office address :	
2.	Telephone/Fax No	
3.	Co-ordinating officer:	Name:
		Mob:
		Email:
4.	Year of Establishment:	

S. No.	Description	Details
5.	Hostel (Available/Not Available)	
6.	No. of Working days/year	
7.	Brief description of Campus	

### 3. Tentative Schedule of a working day:

- a. No. of working days per year:
- b. List of holidays:

### 4. Total area of the campus

### 5. Number of staff and students

Teaching, non-teaching, supporting staff with a male and female breakup is obtained from table 9-3

**Table 9-3: Details of the Staff**

S. No.	Staff	Students
1		

### 9.1.2. Water Audit details:

#### 1. General information

General information required for water management analysis is collected from table 9-4.

**Table 9-4: Water management details**

S. No.	Description	Details
1	Source of water	
2	Types of water	
3	No of Wells	
4	No of motors used	

S. No.	Description	Details
5	No of bore wells	
6	Rating of the motors in HP	
7	Depth of each bore-well	
8	Water level of bore well	
9	Number of water tanks (overhead & underground tanks)	
10	Capacity of overhead tank	
11	Capacity of underground tank	
12	Quantity of water pumped every day	
13	Any water wastage of water /why?	
14	Water usage for gardening	
15	Waste water sources	
16	Use of waste water	
17	Faith of waste water from labs	
18	Whether waste water from labs mixed with ground water?	
19	Any treatment method available for lab water?	
20	Whether any green chemistry method practiced in labs?	
21	Total number of water coolers	
22	Whether Rain water harvesting system available?	
23	Whether Sewage Treatment Plant (STP) is available?	
24	List of equipment installed in STP (If S.No.23 is Yes)	
25	Whether Solar Hot Water System is available in the campus	
26	Number of units and amount of water harvested	
27	Any leaky taps in the campus	
28	Amount of water lost per day	
29	Any water management plan used?	
30	Any water-saving techniques followed?	
31	Are there any signs reminding peoples to turn off the water?	
32	No. of water flow meters available	
33	Method of water consumption monitoring	
34	Breakup of daily water consumption	

S. No.	Description	Details
35	Attach Month wise water bill for last 2 years	
36	Please attach recent water quality test reports for Bore well water, Drinking Water and STP processed water.	
37	What are the sources of hot water	
38	What are the usage areas of hot water	

## 2. STP information

STP details are collected from table 9-5

**Table 9-5: Details of STP**

S. No.	Description	Details
1.	Number of STP plants installed	
2.	Capacity of STP	
3.	Technology of STP	
4.	Year of Installation	
5.	Schematic / Layout of STP	
6.	Water flow meters installed	
7.	Quantity of Sludge	
8.	Disposal of Sludge	

## 3. RO Plant information

RO Plant details are obtained from table 9-6.

**Table 9-6: Details of RO Plant**

S. No.	Location	Quantity	Capacity
1.			
2.			
3.			

### 9.1.3. Energy consumption details:

#### 1. Energy consumption details:

The energy consumption details required for the audit is collected, the brief format of the same is given in table 9-7.

**Table 9-7: Details of Energy consumption**

S. No.	Type	Units	Value	Cost in Rs.
1	Electricity	kWh	2020	
			2021	
2	LPG	Cylinders		
3	Diesel	Litres (Month wise consumption for the last two years)		
4	Others resources (Please specify)			
5	Total connected load	kW		
6	Contract demand	kVA		
7	Maximum demand recorded	kVA		
8	Average power factor			
9	Energy charges	Rs./kWh		
10	Demand charges	Rs./kVA		
<b>* Attach Electricity Bill Copy of last 2 years</b>				

### 2. Solar Energy details:

The solar energy details required are collected from table 9-8.

**Table 9-8: Details of Solar Energy**

S. No.	Building No./ Name	Solar water Heater			Solar PV System		
		Capacity	Working / Not working	Year of Installation	Capacity	Working / Not working	Year of Installation

### 3. Solar Street lights details:

- a. Quantity -
- b. Capacity -
- c. Year of Installation –





#### 4. Electrical Equipment details:

Electrical Equipment like transformers DGs UPS Capacitor Bank, AC, Computers, water coolers, fans, exhaust fans are obtained from the table 9-9.

**Table 9-9: Details of Electrical Equipment**

S. No.	Description	Details	
1.	Number of Transformers Installed	Nos.	
2.	Number of Electrical Panels / Electrical Panel Rooms	Nos.	
3.	Whether Diesel Generator Set Backup Power is Available	Yes / No	
4..	How many number of DG Sets available in the campus (If S.No.3 is Yes)	Nos.	
5.	Whether UPS is available for labs, computers and/or any equipment	Yes / No	
6.	Number of UPS installed with location and capacity (If S.No.5 is Yes)	Nos.	
7.	Whether Capacitor Banks is installed in the electrical panel rooms	Yes / No	
8..	Whether Air Conditioning Units have been installed in the campus	Yes / No	
9.	Type of AC units (split, cassette or packaged) available, capacity and installed location (If S.No.8 is Yes)	Nos.	
10.	Total number of computers available in the campus	Nos.	
11.	Type of computer monitors available (CRT, LCD, LED)	Nos.	
12.	Whether water coolers are installed in the academic blocks	Yes/No	
13.	Type of lamps (Fluorescent Tube Light, CFL, LED, Incandescent, Sodium / Mercury lamps, etc.,) installed in the campus	Nos.	
14.	Type of fans (ceiling, wall mount, standing, exhaust, etc.,) installed in the campus	Nos.	
15.	Whether exhaust fans are installed in hostel / kitchen.(If Yes, share the quantity and installed location)	Yes /No	
16.	Any other electrical equipment's in college buildings.		

5. List of energy saving initiatives implemented
6. List of energy saving initiatives in plan for future

#### 9.1.4. Waste management details:

Waste management includes the activities and actions required to manage waste from its inception to its final disposal. The various data/ information required for the assessment of waste management is as collected from the following set of questionnaires.

##### 1. Basic information

Basic information for waste management is collected from table 9-10.

**Table 9-10: Basic details of waste management**

S. No.	Description	Yes/ No
1	Whether wet and dry garbage segregation is done inside the campus?	
2	Whether garbage is given to external agencies / municipal agencies?	

##### 2. Types of Waste generated

Types of waste generated in the college are obtained from table 9-11.

**Table 9-11: Types of waste generated**

S. No.	Description	Yes / No	Remarks
1	E-Waste (Computers, electrical and electronic parts)		
2	Hazardous / Chemical Waste		
3	Solid Waste (Damaged furniture, paper waste, paper plates)		
4	Dry Leaves		
5	Food Waste		
6	Waste Water (Washing, urinals, bathrooms)		
7	Glass Waste (Broken glass wares from the labs)		
8	Unused Materials		

9	Plastic Waste (Pen, Refill, Plastic water bottles and other plastic containers, wrappers etc.)		
---	--	--	--

### 9.1.5. Green campus management details:

#### 1. Total number of plants and trees

The total number of plantations, garden area, and many more are collected as per the set of questionnaires given in table 9-12

**Table 9-12: List of plantation details**

S. No	Description	Details
1	Total number of plant species identified	
2	Total number of plants on the campus	
3	Total number of Trees on the campus	
4	Garden area inside the college –	
5	Total number of medicinal plants /trees on the campus	
6	Total number of vegetables and fruits plantation in the campus	
7	Whether display boards are given to plants and trees for identification	
8	Does Institute celebrate World environment day?	
9	Does Institute celebrate World water day?	
10	Does Institute celebrate World ozone day?	
11	Does Institute celebrate World Earth day?	
12	Total number of aquatic water plants	

#### 2. List of plants/ trees

List of plants/ trees with their scientific names obtained from table 9-13.

**Table 9-13: List of plants/trees in campus**

S. No.	Common/Local Name	Scientific name	No. of Trees/Plants

### 9.1.6. Carbon footprint management details:

The carbon emission from various activities such as transport, diesel generator usage, LPG consumption, and electricity consumption were collected, as per table 9-14.

**Table 9-14: Details of Carbon footprint management**

S. No	Description	Details
1	Whether college provides transport facility for staff and students ( Yes/No)	
2	Number (or Percentage) of staff using transport services provided by college	
3	Number (or Percentage) of students using transport services provided by college	
4	Number (or Percentage) of Staff using public transport	
5	Number (or Percentage) of Staff using Bike	
6	Number (or Percentage) of Staff using Car	
7	Number (or Percentage) of students using Public transport	
8	Number (or Percentage) of students using Car	
9	Number (or Percentage) of students using Bike	
10	Number (or Percentage) of students using Bicycles	
11	Average consumption of diesel per month	
12	Average electricity consumption per month	
13	Average LPG consumption per month	

### 9.1.7. Photos required for Audit:

#### 1. General Photos

In various sections, different types of photos are required to validate the existence of things, and hence they are collected from table 9-15.

**Table 9-15: List of photos**

S. No	Description		Details
1	Photos of student's NSS activities		
2	Photos of Safety policy		
3	Photos of the training program on the use of fire extinguishers		
4	Photos of environmental policies adopted by college		
5	Photos of MoUs for Waste management		
6	Photos of any other policies adopted by college		
7	Photos of water test report	Drinking Water	
		STP processed water	
		Bore-well water	
		Other water Sources (Like Tanker water and any other)	
8	Photos of use of Energy efficient devices like fan, bulbs etc.		
9	Photos of LCD/LED monitors used in Labs		
10	Photos of dry and wet waste collection bins		
11	Photos of celebrating World Environment Day		
12	Photos of celebrating World Water Day		
13	Photos of celebrating World Earth Day		
14	Photos of celebrating World Ozone Day		

**GREEN CAMPUS**




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**SURVEY OF TOTAL TREES IN THE CAMPUS**

**YEAR 2018- 2022**

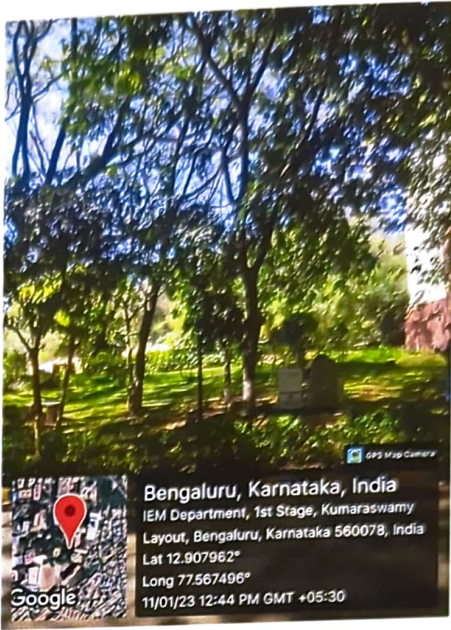
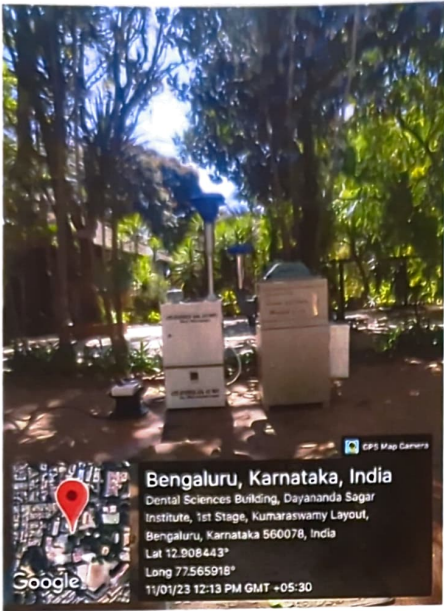
S.NO.	TREE NAME	2018	2019	2020	2021	2022
1.	Baage	10	11	11	12	14
2.	Cotton	7	7	7	10	12
3.	Jackfruit	10	10	10	12	12
4.	Teak Wood	27	27	28	30	31
5.	Neem	29	31	35	45	47
6.	Banyan	22	22	25	25	25
7.	Muutingia	29	29	29	29	29
8.	Tamarind	23	29	30	41	42
9.	Mango	17	17	17	17	17
10.	Coconut	11	11	12	11	10
11.	Jamun	2	4	07	12	15
12.	Sandal Wood	98	99	102	131	130
13.	Ashoka	23	25	27	30	31
14.	Chrimas	4	10	15	15	15
15.	Silver oak	37	40	45	47	49
16.	Jungle	317	319	391	391	405
17.	Sampige	7	7	7	7	7
18.	Billapatre	9	12	19	21	21
19.	Royal palm	12	12	13	14	15
20.	Eucalyptus	11	11	14	14	14
21.	Tabubia	5	5	7	7	8
22.	Lagerstroemia	5	5	6	7	7
23.	Gulmohar	5	5	5	5	5
24.	Spathodea	10	10	10	11	12
25.	Mahogany	5	5	5	7	8
26.	Ficus	10	10	13	14	15
27.	Singapore Cherry	5	5	10	11	14
28.	Peltaphorum	5	5	5	5	6
29.	Guava	2	2	2	2	2
30.	Rain Tree	3	3	4	4	4
31.	Champion Palm	3	3	5	6	7
32.	Pongamia	15	15	17	19	27
33.	Bottle Brush	4	4	5	6	7
34.	Chinaberry	4	4	5	5	6
35.	Trumpet Brush	3	3	5	5	4
36.	Carrabolla	3	4	4	5	5
37.	Golden Crest	5	5	5	5	6
38.	Conman Ball Tree	3	3	4	5	5
39.	Plumonia	29	30	35	36	40
40.	Bongvallaia	25	27	30	34	35
41.	Bohinia	15	15	16	23	23
42.	Fig	3	4	5	6	7
<b>Total</b>		<b>870</b>	<b>905</b>	<b>1047</b>	<b>1142</b>	<b>1985</b>
<b>% tree planted</b>			<b>11.6</b>	<b>13.5</b>	<b>8.3</b>	<b>73</b>


  
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**FACILITY DEPARTMENT**  
 Dayananda Sagar Institutions  
 Shavige Malleshwara Hills,  
 Kumaraswamy Layout,  
 - 560 078  




# Air Quality Index with Sensors at the Campus



  
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Kumaraswamy Layout  
Bangalore - 560078



# CHARITON RESEARCH INSTITUTE PRIVATE LIMITED

No.67/3, 1st Floor, Industrial Suburb, Yeshwanthpur, BANGALORE - 560 022. INDIA

## TEST CERTIFICATE

### Issued To

M/s. Dayananda Sagar College of Dental Sciences  
50 Feet Road, 1<sup>st</sup> Stage,  
Kumaraswamy Layout,  
Bangalore-560078.

Date: 14.06.2022

TEST REPORT NO.: C2/00006163-A

Job Order No: 043-A/ENV/06/2022

**Sample Description:** One sample of Ambient Air collected by our representative on 09/06/2022, in the premises M/s. Dayananda Sagar College of Dental Sciences, 50 Feet Road, 1<sup>st</sup> Stage, Kumaraswamy Layout, Bangalore-560078.

**Sample Name:** Ambient Air

**Location:** Near Main Gate Entrance

### AMBIENT AIR MONITORING TEST RESULTS

Sl.No.	Parameters	Results	Acceptance Criteria	Protocol
1	Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	96.7	100	IS:5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	51.9	60	IS:5184 (Part-24)
3	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	31.6	80	IS:5182 (Part-2)
4	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	38.5	80	IS:5182 (Part-6)
5	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	19.5	180	IS:5182 (Part-9)
6	Carbon Monoxide (CO), mg/m <sup>3</sup>	0.88	4	IS:5182 (Part-10)
7	Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	21.1	400	CPCB Guidelines (Indophenol Blue Method)
8	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	BDL	5	IS:5182 (Part-11): 2006 RA
9	Benzo (a) Pyrene (BaP), ng/m <sup>3</sup> (Particulate Phase)	BDL	1	IS:5182 (Part-12): 2004 RA
10	Lead (Pb), µg/m <sup>3</sup>	0.12	1	IS:5182 (Part-22) (AAS Method)
11	Nickel (Ni), ng/m <sup>3</sup>	1.9	20	CPCB Guidelines (AAS Method)
12	Arsenic (As), ng/m <sup>3</sup>	0.8	6	CPCB Guidelines (AAS Method)

**Note:** BDL: Below Detection Limit

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Kumaraswamy Layout,  
Bangalore-560078.

Date: 14.06.2022

**TEST REPORT NO.: C2/00006163**

**Job Order No: 043/ENV/06/2022**

**Sample Description:** One sample of Ambient Air collected by our representative on 09/06/2022, in the premises M/s. Dayananda Sagar College of Dental Sciences, 50 Feet Road, 1<sup>st</sup> Stage, Kumaraswamy Layout, Bangalore-560078.

**Sample Name:** Ambient Air

**Location:** Near Dental College

### AMBIENT AIR MONITORING TEST RESULTS

Sl.No.	Parameters	Results	Acceptance Criteria	Protocol
1	Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	62.5	100	IS:5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	31.7	60	IS:5184 (Part-24)
3	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	17.8	80	IS:5182 (Part-2)
4	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	19.1	80	IS:5182 (Part-6)
5	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	10.1	180	IS:5182 (Part-9)
6	Carbon Monoxide (CO), mg/m <sup>3</sup>	0.35	4	IS:5182 (Part-10)
7	Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	10.6	400	CPCB Guidelines (Indophenol Blue Method)
8	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	BDL	5	IS:5182 (Part-11): 2006 RA
9	Benzo (a) Pyrene (BaP), ng/m <sup>3</sup> (Particulate Phase)	BDL	1	IS:5182 (Part-12): 2004 RA
10	Lead (Pb), µg/m <sup>3</sup>	0.04	1	IS:5182 (Part-22) (AAS Method)
11	Nickel (Ni), ng/m <sup>3</sup>	1.2	20	CPCB Guidelines (AAS Method)
12	Arsenic (As), ng/m <sup>3</sup>	0.1	6	CPCB Guidelines (AAS Method)

**Note:** BDL: Below Detection Limit

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50 Feet Road, 1<sup>st</sup> Stage,  
Kumaraswamy Layout,  
Bangalore-560078.

Date: 14.06.2022

**TEST REPORT NO.: C2/00006164**

**Job Order No: 044/ENV/06/2022**

**Sample Description:** One sample of Ambient Air collected by our representative on 09/06/2022, in the premises M/s. Dayananda Sagar College of Dental Sciences, 50 Feet Road, 1<sup>st</sup> Stage, Kumaraswamy Layout, Bangalore-560078.

**Sample Name:** Ambient Air  
**Location:** Near Rock Garden

### AMBIENT AIR MONITORING TEST RESULTS

Sl.No.	Parameters	Results	Acceptance Criteria	Protocol
1	Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	59.1	100	IS:5182 (Part-23)
2	Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	29.5	60	IS:5184 (Part-24)
3	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	16.5	80	IS:5182 (Part-2)
4	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	18.0	80	IS:5182 (Part-6)
5	Ozone (O <sub>3</sub> ) µg/m <sup>3</sup>	9.8	180	IS:5182 (Part-9)
6	Carbon Monoxide (CO), mg/m <sup>3</sup>	0.30	4	IS:5182 (Part-10)
7	Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	9.7	400	CPCB Guidelines (Indophenol Blue Method)
8	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	BDL	5	IS:5182 (Part-11): 2006 RA
9	Benzo (a) Pyrene (BaP), ng/m <sup>3</sup> (Particulate Phase)	BDL	1	IS:5182 (Part-12): 2004 RA
10	Lead (Pb), µg/m <sup>3</sup>	0.03	1	IS:5182 (Part-22) (AAS Method)
11	Nickel (Ni), ng/m <sup>3</sup>	1.0	20	CPCB Guidelines (AAS Method)
12	Arsenic (As), ng/m <sup>3</sup>	0.1	6	CPCB Guidelines (AAS Method)

**Note:** BDL: Below Detection Limit

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50 Feet Road, 1<sup>st</sup> Stage,  
Kumaraswamy Layout,  
Bangalore-560078.

Date: 14.06.2022

TEST REPORT NO.: C2/00006165

Job Order No: 045/ENV/06/2022

**Sample Description:** Samples of Ambient Noise monitored by our representative on 09/062022, in the premises M/s. Dayananda Sagar College of Dental Sciences, 50 Feet Road, 1<sup>st</sup> Stage, Kumaraswamy Layout, Bangalore-560078.

Sample Name: Ambient Noise

### AMBIENT NOISE MONITORING TEST RESULTS

(As per IS 9989:1981)

S. No.	Sample Location	Results (Leq Max) dB (A)	Limits (As per KSPCB) Day Time
01	Near Canteen	62.5	65 dB (A) Leq Max
02	Near Rock Garden	63.1	
03	Near Play Ground	63.2	
04	Near Security Gate	64.5	

S. No.	Sample Location	Results (Leq Max) dB (A)	Limits (As per KSPCB) Night Time
01	Near Canteen	53.8	55 dB (A) Leq Max
02	Near Rock Garden	53.1	
03	Near Play Ground	53.9	
04	Near Security Gate	54.5	

### Note:

- The values obtained conform with respect to noise level at industrial area (day and night time).
- Values are measured in dB (A) Leq.

Page: 01 of 01

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50 Feet Road, 1<sup>st</sup> Stage,  
Kumaraswamy Layout,  
Bangalore-560078.

Date: 14.06.2022

**TEST REPORT NO.: C2/00006166**

**Job Order No: 046/ENV/06/2022**

**Sample Description:** One sample of Drinking Water collected by our representative on 09/06/2022, in the premises M/s. Dayananda Sagar College of Dental Sciences, 50 Feet Road, 1<sup>st</sup> Stage, Kumaraswamy Layout, Bangalore-560078.

**Sample Name:** Drinking Water

**Location:** Canteen

### DRINKING WATER TESTING RESULTS

S. No.	Parameters	Test Method	Unit	Results	Requirements as per IS 10500-2012-Amend:2018	
					Acceptable Limits	Permissible Limits In the absence of alternative source
Biological						
1	Escherichia coli	IS:15185	----	Absent/100ml	Absent/100ml	Absent/100ml
2	Total Coliforms	IS:15185	----	Absent/100ml	Absent/100ml	Absent/100ml
Organoleptic and Physical parameters						
3	Colour	IS:3025 (Part-4)	Hazen	5	5	15
4	Odour	IS:3025 (Part-5)	----	Agreeable	Agreeable	Agreeable
5	pH Value	IS:3025 (Part-11)	----	6.86	6.5-8.5	No relaxation
6	Taste	IS:3025 (Part-8)	----	Agreeable	Agreeable	Agreeable

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## TEST CERTIFICATE

S. No.	Parameters	Test Method	Unit	Results	Requirements as per IS 10500-2012-Amend:2018	
					Acceptable Limits	Permissible Limits In the absence of alternative source
7	Total Dissolved Solids	IS:3025 (Part-16)	mg/L	134	500 Max	2000 Max
8	Turbidity	IS:3025 (Part-10)	NTU	BDL	1.0 Max	5.0 Mas
9	Calcium as Ca	IS:3025 (Part-40)	mg/L	4.4	75 Max	200 Max
10	Chloride (as Cl)	IS:3025 (Part-32)	mg/L	3.7	250 Max	1000 Max
11	Iron as Fe	IS:3025 (Part-65)	mg/L	< 0.01	1.0 Max	No relaxation
12	Magnesium (as Mg)	IS:3025 (Part-46)	mg/L	4.3	30 Max	100Max
13	Total Alkalinity (as CaCO <sub>3</sub> )	IS:3025 (Part-23)	mg/L	11.35	200 Max	600 Max
14	Total Hardness (as CaCO <sub>3</sub> )	IS:3025 (Part-21)	mg/L	22.2	200 Max	600 Max
15	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH)	IS:3025 (Part-43)	mg/L	BDL (DL:0.001)	0.001 Max	0.002 Max
16	Sulphate (as SO <sub>4</sub> )	IS:3025 (Part-24)	mg/L	BDL (DL:1.0)	200 Max	400 Max
17	Electrical Conductivity	IS:3025 (Part-14)	µs/cm	77	-----	-----
18	Sodium (as Na)	IS:3025 (Part-45)	mg/L	4.0	-----	-----

**Note:** BDL: Below Detection Limit, BLQ: Below Quantification Limit, LOQ: Limit of Quantification

**Remarks:** The above-mentioned water sample conforms to the requirements of acceptable limits as per IS 10500:2012 for the above tested parameters only.

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14/06/2022  
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## **A KNOWLEDGE-BOOSTING LEARNING ENVIRONMENT**



**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
**Shavige Malleshwara Hills, Kumaraswamy layout, Bengaluru**

**INSTITUTIONAL REVIEW BOARD**

  
**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

# ENTS

## 1. CODE OF ETHICS FOR RESEARCH

## 2. INSTITUTIONAL REVIEW BOARD'S POLICY DOCUMENT

- a) Terminologies
- b) Basic ethical principles
- c) Guidelines for selection of members
- d) Research Development and Sustenance committee (RD & SC) + Institutional ethical committee (IEC composition of DSCDS - RD & SC members from 2021-2023)
- e) Institutional Ethical Committee (IEC) calendar of events

## 3. RESEARCH PROPOSAL SUBMISSION AND REVIEW PROTOCOL

- a) Role of Institution
- b) Research misconduct and other unacceptable practices
  - Publication and dissemination
  - Dealing with violations and allegations of research Misconduct (Scientific misconduct)

## **INSTITUTION'S CODE OF ETHICS FOR RESEARCH**

Dayananda Sagar college of Dental Sciences, Bangalore has drafted a code of ethics which provide guidelines for professional and ethical conduct of research by the faculty, doctorate students, post graduate students and the undergraduate students. Code of research ethics is a set of principles of research conducts. It sets a benchmark for researchers while conducting their research and fulfil their duties to the research subjects, public, profession and the fellow researchers. Although ethics and laws are intricately related to each other they are not one and the same. Ethical obligations are more binding our human conscience when compared to legal stipulations. Hence, ethical obligations may and often do exceed legal duties.

The code of ethics pertains to the way in which health research has to be conducted while adhering to all the ethical principles of research. When human subjects, patients, animals are recruited for conducting research the researcher should be very careful in adhering to ethical principles. Several international and national agencies have established multiple ethical guidelines which refer to the ethical principles to be followed while recruiting subjects and also conducting and reporting of research. Majorly there are seven ethical principles which are to be strictly followed while conducting research:-

1. Social and clinical value
2. Scientific validity
3. Fair subject selection
4. Favourable risk-benefit ratio
5. Independent review
6. Informed consent
7. Respect for potential and enrolled subjects

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Kumaraswamy Layout,  
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### 1. Social and clinical value

Every research is designed with an intention to answer a specific research question. The question should be relevant and when answered by conducting a research, should be beneficial to the subjects, patients, fraternity, administrators, policy makers and community at large. The question should be justifiable so that the research subjects, patients may be asked to accept some risk or inconvenience. This principle refers to the utility, beneficence to the stake holders of research. It refers to the contribution of research output in expanding the knowledge base, improving the treatment methods, helping the community at large in reducing the burden of disease so that it justifies exposing the research subjects to the given risk and burden of research.

### 2. Scientific validity

A research study should follow scientific principles of planning, conducting, analysing, reporting and publishing. The principles of research methodology should guide the process of research scrupulously. The scientific rigors maintained in a research ultimately provides validity to research. Scientifically invalid research is outright unethical because it is a waste of resources and subjects or patients are being exposed to unnecessary risks.

### 3. Independent review

Any research proposal should be thoroughly reviewed by a review board consisting of a panel of experts, nonexperts, lay persons as prescribed by the guidelines of a national, international, local, ethical organisations or agencies. The panel should scrutinize the scientific and ethical validity of the intended research by asking important questions;

- a. Are those who are conducting, examining, diagnosing and treating the research subjects are free of bias?
- b. Is the methodology adopted by the researchers scientifically sound?
- c. Are the human rights of the research subjects protected at all cost?
- d. Has the trial being ethically designed and risk benefit ratio favourable?

The review board monitors the study even while it is going on in order to keep a strict watch on any violations. In our institution a structured IRB is established as per the guidelines of ICMR.

### 4. Informed consent

It is the primary duty of the researcher to obtain a written informed voluntary consent from the research participant. The prospective participant should be given all the required information about the research in which he/she is participating, the



pros and cons of participating in the research, the right to withdraw from research at any phase, the role need

to be played by the participant and the minimal information about the nature of the intervention in a language simple and understandable by the patient. This can be done by preparing a "Participant information letter" which is either handed over or explained to the patient. After giving thorough information, the consent is obtained from the participant so that human rights are protected. At times when the participant is legally a minor, proxy consent is obtained from the parents or the legal guardians after providing the required information through the participant information letter. Coercion, appeasement and exorbitant incentives for participating in the research are strictly prohibited. The research subject is given access to the member secretary of IRB by providing the contact details so that the participants are free to communicate any grievances at any time while the research is going on.

#### 5. Respect for potential and enrolled subjects

The participant should be treated with respect as soon as they come forward to participate in the research till the completion of research and even after the research completed. This amounts to protecting the human rights and the rights of a research participant.

- a. Respecting the privacy and maintaining the confidentiality with respect to the data and the identity of the participant during the research and after.
- b. Permitting the participants to withdraw from the research at any moment without any penalty. This refers to respecting their decision at any phase of research.
- c. Monitoring their welfare, adverse reactions, side effects and their health status regularly so that at times the decision is taken by the researcher to remove the participant from the respective arm.
- d. After the research is completed a debriefing session is organised and a clear information is given to the participant about the research outcomes and the arm under which the subject was treated so that no suspense is maintained thereafter with respect to the intervention and the details of the intervention which were administered.

## INSTITUTIONAL REVIEW BOARD'S POLICY DOCUMENT

### TERMINOLOGIES

**"RESEARCH"** refers to a class of activities designed to develop or contribute to generalizable knowledge; generalizable knowledge consists of theories, principles, or relationships, or the accumulation of information on which these are based, that can be corroborated by acceptable scientific methods of observation, inference, and/or experiment.

**HUMAN BIOMEDICAL RESEARCH (HBR)** refers to any research on human subjects that involves:

- a. Intervention on, interaction with, or observation of, humans.
- b. Use or manipulation of any human biological derivative (e.g. human cells, tissues and body fluids, including those which were previously acquired and stored).
- c. Review, analysis and publication of previously compiled identifiable data; for the purpose of studying, diagnosing, treating and/or preventing, any ailment, injury or adverse condition of the human mind or body.

### THERAPY

- ✓ An activity that is undertaken with the intention of improving the health of the patient may be considered **"THERAPY"**.

### DRUG

### PREVENTIVE AGENT

**Preventive medicine** -The application of preventive measures by clinical practitioners. A specialized field of medical practice composed of distinct disciplines that utilize skills focusing on the health of defined populations in order to promote and maintain health and well-being and prevent disease, disability, and premature death. In addition to the knowledge of basic and clinical sciences and the skills common to all physicians, the distinctive aspects of preventive medicine include knowledge of and competence in biostatistics; epidemiology; administration, including planning, organization, management, financing, and evaluation of health programs; environmental health; application of social and behavioural factors in health and disease; and the application of primary, secondary, and tertiary prevention measures within clinical medicine

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## SUPPLEMENT INTERVENTION

**Intervention study** - An investigation involving intentional change in some aspect of the status of the subjects, e.g., introduction of a preventive or therapeutic regimen or an intervention designed to test a hypothesized relationship; usually an experiment such as a randomized controlled trial.

## ANIMAL RESEARCH

**Animal model** - A study in a group of laboratory animals that uses conditions of animals analogous to conditions of humans to model processes comparable to those that occur in humans.

## BASIC ETHICAL PRINCIPLES

All HBR must be conducted in accordance with these three fundamental ethical principles:

### 1. Autonomy (Respect for persons)

This incorporates at least two basic ethical considerations:

- ✓ *Respect for autonomy*, which requires that those who are capable of deliberation about their personal choices should be treated with respect for their capacity for self-determination.
- ✓ *Protection of persons* with impaired or diminished autonomy (such as children or the mentally disabled), which requires that those who are dependent or vulnerable be afforded additional security against harm or abuse.

**Informed consent:** It should be voluntary, legal, and comprehending and should be recorded from every subject recruited in the study.

### 2. Non-maleficence

This is the principle in which the actions or practices are right insofar as they avoid producing bad consequences. This is the foundation of all health care and describes the first obligation that every health care provider embraces — do no harm. In Latin, the term is *primum non nocere* which means first, do no harm.

### 3. Beneficence

This refers to the ethical obligation to maximize benefits and to minimize harm. In the research context, it is unlikely that direct benefit will accrue to research subjects. Benefits should outweigh the harms.

### 4. Justice

This refers to the ethical obligation to treat each person in accordance with what is



morally right and proper, and to give to each person what is due to him/her. It is based on the principle of distributive justice. For HBR, the investigator must ensure that potential benefits and risks are reasonably balanced and risks are minimized. Justice also requires that research be responsive to the health conditions or needs of vulnerable subjects. Especially attention must be given to vulnerable persons, i.e. those with higher susceptibility to harms and/or with reduced ability to protect their rights and welfare, such as pregnant women, minors, prisoners and the mentally incapacitated.

#### **5. Privacy and Confidentiality**

The information, data revealed by a research subject or a patient in a relationship of trust should be maintained confidentially and should not be divulged to others. Examination of the research subject, oral consultation, counselling should be done with utmost privacy.

#### **6. Veracity**

#### **7. Fidelity**

Dayananda Sagar College of Dental Sciences- Institutional Review Board (DSCDS – IRB) is a vehicle to review and approve all research proposals on biomedical, social and behavioural science research for health involving human participants, their biological material and data to safeguard the dignity, rights, safety and well-being of all research participants. Thus, IRB implements its system of ethics governance of research carried out in the institution and is a competent and independent board in its functioning.

- ✓ The institution, DSCDS is responsible for providing logistical support, such as infrastructure, staff, space, funds, adequate support and protected time for the member secretary to run the IRB functions.
- ✓ DSCDS is responsible for establishing a DSCDS-IRB to ensure an appropriate and sustainable system for quality scientific & ethical review and monitoring.
- ✓ All types of biomedical and health research (whether clinical, basic science, policy, implementation, epidemiological, behavioural, public health research, etc) will be reviewed by the DSCDS-IRB before it is conducted.
- ✓ DSCDS-IRB will perform its functions according to written policies and operating procedures, maintain written records of their activities, and comply with all relevant institutional and regulatory requirements.
- ✓ DSCDS-IRB will have in-depth understanding of the basic ethical principles governing research, and be familiar with existing national regulations, legislative requirements and institutional policies governing the conduct of Human Biomedical Research (HBR).

## **GUIDELINES FOR SELECTION OF MEMBERS**

- ✓ DSCDS-IRB will be carefully composed such that there will be no room for any public perception that it is not independent of its institution/researchers, but its composition will vary depending on local circumstances.
- ✓ There will be clear institutional policies on the administration of IRB with respect to the appointment, disqualification, resignation, and replacement of the members. Office bearers, e.g. Chairperson, and other members of the IRB, will be appointed with proper terms of reference, which are mentioned in the below sections.
- ✓ Members will be selected in their personal capacities, based on their interest, ethical and/or scientific knowledge and expertise. Their experience in the domain field and profile with availability of time to review and monitor the progress of the studies would also be necessary criteria.
- ✓ The members representing medical scientist and clinicians will have a post graduate qualification and adequate experience in their respective fields. Conflict of interest will be avoided while making appointments, with transparency with regard to financial and non-financial interests.
- ✓ The conflict of interest if any will be disclosed and confidentiality agreement will be signed by all members.
- ✓ The members will collectively possess the expertise and understanding of the types of research commonly carried out in the institution.
- ✓ All IRB members will be properly oriented to their roles and responsibilities and will be given appropriate initial and continued training, where required.
- ✓ To further reinforce the independence of the IRB, and to ensure that the decisions of the board are carried out in accordance with scientific thinking accepted within the community, additional external representation by specialists of favorable reputation from other institutions will be encouraged.
- ✓ The member would have demonstrated an understanding of the purposes and operations associated with institute's Human Research Protection Program, and also the policies and procedures with respect to designing, receiving approval for, and conducting human research.

### **Note:**

The potential members of RD & SC and IEC must have the qualities, skills and experience to meet the criteria as below:

- ✓ Have a strong personal commitment to ensuring the highest standards for health care research.
- ✓ Have a strong personal commitment to the interests of research participants who take part (or are asked to) in health care research.
- ✓ Be able to read, understand and analyse complex issues from research proposals and weigh up conflicting opinions.
- ✓ Be able to take an objective stance, looking at a situation from different perspectives.



- ✓ Be a good communicator with a practical approach and confidence to voice his/her opinions.
- ✓ Be able to discuss issues with people who may not agree with the member including being able to influence others from a range of backgrounds.
- ✓ Be committed to the public service values of accountability, probity, openness and equality of opportunity.
- ✓ Be able to demonstrate an ability to contribute to the work of the RD & SC and IEC.
- ✓ Understand the requirement for confidentiality in issues faced by an RD & SC and IEC.
- ✓ Be willing to undertake training to equip to carry out his/her role.
- ✓ Need to be confident about expressing and supporting their opinions.
- ✓ Live in, or close to, the geographical area of the institution RD & SC and IEC.
- ✓ Have experience of conducting research projects.
- ✓ Flexibility, excellent communication skills and a desire to 'make a difference'

## **APPOINTMENT**

- ✓ The Head of Institute shall appoint the Chair person, Member Secretary and other members of the DSCDS - RD & SC and IEC.
- ✓ For all the members as well as experts invited for meetings, files will be maintained by the secretariat.
- ✓ The files will have details of qualification, area of expertise, organization details (to which, member is affiliated), role in RD & SC and IEC, complete contact details and updated CV.
- ✓ Independent consultants are appointed by the chairperson.
- ✓ For the expert members, evidence of invitation of particular meeting will be retained and documented.

## **TERM OF OFFICE**

- ✓ The membership of IRB will be for a period of one to two years and shall be renewed after the stated term. At the end of the term, at least one third of the IEC members will be replaced to maintain the composition. Extension of membership can be considered due to non-availability of members of similar stature, qualification and intent to contribute to ethical human testing.
- ✓ In case of the resignation/ discontinuation/ disqualification/ death/ chronic absenteeism of any member, before the completion of the tenure of the existing appointed committee, the chairperson can appoint a replacement.
- ✓ This appointment will be effective for the remaining tenure of the existing committee.

### **RENEWAL OF MEMBERSHIP**

- ✓ The membership shall be renewed after the stated term.
- ✓ Selection of members will be done at least one month in advance.
- ✓ Designated members of the RD & SC and IEC who wish to attend meetings as observers will be informed to read, understand, accept and sign the agreement contained in the Confidentiality/Conflict of Interest form at the beginning of the RD & SC and IEC meeting and/or before scientific and ethical review tasks.

### **SELF-EVALUATION**

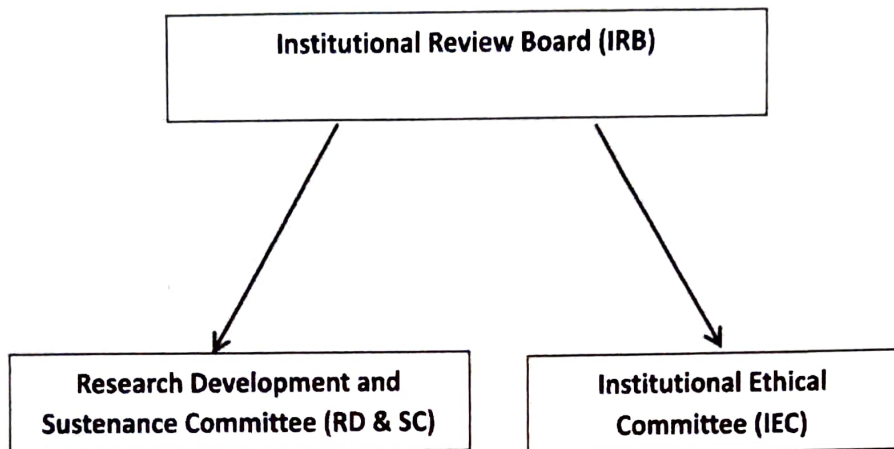
- ✓ IRB will conduct self-evaluation periodically, at least annually. The evaluation will be done for the appropriateness of its composition, attendance of members, adequate resources for functioning of IRB, the review process, etc.
- ✓ If there is any process failure, root cause analysis will be done to identify the process failure and the corrective and preventive action taken will be documented.

### **RESIGNATION**

- ✓ If any member wishes to discontinue from the RD & SC and IEC, he/she will inform the Chairperson, in writing.
- ✓ Members may voluntarily resign from the committee at a month's notice citing appropriate reason.

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES-INSTITUTIONAL REVIEW BOARD**

**Research Development and Sustenance Committee (RD & SC) + Institutional Ethical Committee (IEC)**



Institutional review board of Dayananda Sagar College of Dental Sciences will have two committees functioning under the common board and complement each other. Namely,

- 1. Research Development and Sustenance Committee (RD & SC)**
- 2. Institutional Ethical Committee (IEC)**



Dayananda Sagar College of Dental Sciences,  
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru

DSCDS/internal/2018-19/

Date: 14/08/2018

**OFFICE ORDER**

**COMMITTEE FOR ADVANCED RESEARCH STUDIES**

Committee for Advanced Research Studies has been constituted to implement setting up of Centers for Learning and Excellence and to promote research culture among faculty and students at Dayananda Sagar College of Dental Sciences. Tenure of committee will be of One year.

Sl. No.	Name	Designation	Position	Signature
1	Dr. Hemanth M	Principal	Chairperson	
2	Dr. Nagesh L	Prof & HOD - Public Health Dentistry	Member Secretary	
3	Dr. Shobha ES	Prof & Head - OMFS	Member	
4	Dr. Krishnanand PS	Prof & HOD - Oral Pathology	Member	
5	Dr. Prashanth NT	Associate Professor- Oral Surgery	Member	
6	Dr. Gargi S Murthy	Reader - Pedodontics	Member	
7	Dr. Veena Pai S	Reader - Conservative Dentistry & Endodontics	Member	
8	Dr. Mahesh DR	Reader - Oral Medicine & Radiology	Member	
9	Dr. Sreeharsha TV	Reader - Prosthodontics	Member	
10	Dr. Sharmada BK	Reader - Orthodontics	Member	
11	Dr. Pallavi Nanaiah	Senior Lecturer - Periodontics	Member	
12	Dr. Jayaprasad Darsan	Senior Lecturer - Orthodontics	Member	

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DSCDS/Internal/2019-20/31

Date: 14/08/2019

**OFFICE ORDER**

**COMMITTEE FOR ADVANCED RESEARCH STUDIES**

Committee for Advanced Research Studies has been constituted to implement setting up of Centers for Learning and Excellence and to promote research culture among faculty and students at Dayananda Sagar College of Dental Sciences. Tenure of committee will be of three years. The committee shall prepare a policy document within three months. The committee members are as follows:

Sl. No.	Name	Designation	Position	Signature
1	Dr. Hemanth M	Principal	Chairperson	
2	Dr. Nagesh L	Prof & HOD - Public Health Dentistry	Member Secretary	22/9/19
3	Dr. Shobha ES	Prof & Head - OMFS	Member	23/9/19
4	Dr. Krishnanand PS	Prof & HOD - Oral Pathology	Member	24/9/19
5	Dr. Prashanth NT	Asso Prof Oral Surgery	Member	
6	Dr. Gargi S Murthy	Reader - Pedodontics	Member	22/9/19
7	Dr. Veena Pai S	Reader - Conservative Dentistry & Endodontics	Member	22/9/19
8	Dr. Mahesh DR	Reader - Oral Medicine & Radiology	Member	
9	Dr. Sreeharsha TV	Reader - Prosthodontics	Member	24/9
10	Dr. Sharmada BK	Reader - Orthodontics	Member	
11	Dr. Pallavi K	Senior Lecturer - Periodontics	Member	24/9/19
12	Dr. Jayaprasad Darsan	Senior Lecturer - Orthodontics	Member	24/9/19

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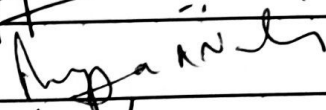
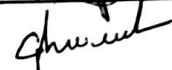

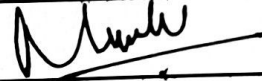


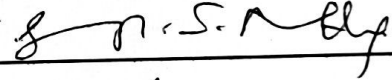



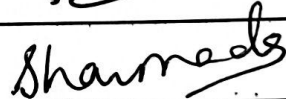


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# Dayananda Sagar College of Dental Sciences

Date:11/06/2020

## Meeting Agenda: Advanced Research Studies

Sl. No.	Name of the Staff	Designation	Signature
1	Dr Hemanth M	Principal DSCDS	
2	Dr Roopa R Nadig	Dean	
3	Mr. CPS Prakash	Principal DSCE	
4	Mr. Surya Narayan	Professor, DSO	
5	Dr. Nagesh L	Prof & Head	
6	Dr Shobha ES	Prof & Head	OPD - Service clinic
7	Dr. Krishnananda PS	Prof & Head	
8	Dr Prashanth NT	Asso Professor	
9	Dr. Gargi S Murthy	Reader	
10	Dr. Veena Pai S	Reader	
11	Dr. Sreeharsha TV	Reader	
12	Dr. Mahesh DR	Reader	
13	Dr. Sharmada BK	Reader	
14	Dr. Pallavi K Nanaiah	Sr Lecturer	
15	Dr. Jayaprasad Darsan	Sr Lecturer	





**Dayananda Sagar College of Dental Sciences,  
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru**

DSCDS/Internal/2022/056

Date: 16/08/2022

**OFFICE ORDER**

**COMMITTEE FOR ADVANCED RESEARCH STUDIES**

Committee for Advanced Research Studies has been reconstituted to implement setting up of Centers for Learning and Excellence and to promote research culture among faculty and students at Dayananda Sagar College of Dental Sciences. The committee shall also look into Research Funding Avenues for Faculty and Student Research and shall also monitor Faculty and Student Publication and Publications. Tenure of committee will be of three years.

The committee members are as follows:

Sl. No.	Name	Designation	Position	Signature
1	Dr. Hemanth M	Principal	Chairperson	
2	Dr. Nagesh L	Professor Emeritus – Research Head	Co-Chairperson	
3	Dr. Shobha ES	Prof & Head – Oral Surgery	Member	
4	Dr. Avinash J	Prof & HOD – Public Health Dentistry	Member	
5	Dr. Krishnanand PS	Prof & HOD – Oral Pathology	Member	
6	Dr. Prashanth NT	Professor- Oral Surgery	Member	
7	Dr. Gargi S Murthy	Reader - Pedodontics	Member	
8	Dr. Veena Pai S	Reader - Conservative Dentistry & Endodontics	Member	
9	Dr. Mahesh DR	Reader – Oral Medicine & Radiology	Member Secretary	
10	Dr. Sreeharsha TV	Reader - Prosthodontics	Member	
11	Dr. Afshan Saman Waremani	Reader - Orthodontics	Member	
12	Dr. Koduru Sravani	Senior Lecturer - Periodontics	Member	
13	Dr. Ambili C	Senior Lecturer – Conservative Dentistry	Member	
14	Ms. Shilpa K	Asst. Professor – Microbiology	Member	
15	Ms. Ashitha Mariam Leslie	Lecturer – Pharmacology	Member	

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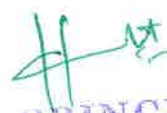
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# Dayananda Sagar College of Dental Sciences

## Policy Document

### Promotion of Advance Research Studies

  
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**Dayananda Sagar College of Dental Sciences,**  
**Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru**

**POLICY DOCUMENT FOR ADVANCED RESEARCH STUDIES**

**Establishment of Policy for Promotion of Advanced Research:**


Research is the foundation of knowledge that brings new energy, builds state of the art facilities, promotes research publications, develops collaborations and becomes part of active community that shares the mission objectives. Rapid growth in scientific knowledge is an indication of quest for discovery and has an impact on economic and societal development. Science, technology and innovation are often initiated at the University to create research environment and that is also the mission of Dayananda Sagar College of Dental sciences. Research and developmental activities creates and disseminates new knowledge in a range of fields, promotes innovation and these will motivate better learning and teaching among faculties and students of our institute.

**Goal:**

To promote research and research culture among faculty and students so that the research productivity of the various departments and institution as a whole is comprehensively enhanced.

**Objectives:**

1. To form sub-committees to shoulder the duties and responsibilities related to planning, organizing and Implementing specific research activities / schemes in the institution.
2. To empower the faculty and students in conducting and publishing quality research which can be beneficial to all the stakeholders of health research through conducting regular training programs (seminars, workshops, symposia) in the institution.
3. To enable the faculty and students in taking their research output in terms of quality and quantity to next higher level.
4. To promote 'funded research projects' in the institution which results in enhancement of scholarship in research.
5. To promote the faculty and students in getting patencies in their names for the innovations done by them in the institution and to provide required support system to that end.
6. To monitor the research of all the faculty and students in the institution.
7. To keep a constant tab and update the publications of all the departments.

  
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8. To guide and scrutinize the research proposal and research writing which is to be sent for publication and funding.

### **Policy on Promotion of Academic Research**

A policy on academic research faculty to promote faculty involvement in research and developmental activities shall be prepared and implemented. This policy shall deal with the higher education and up skilling of faculty members in conducting and publishing research.

The policy will spell out measures to encourage the enrolment of faculty in Ph.D programmes. It shall also declare suitable incentives for Ph.D holders and other faculty who publish research articles in reputed journals.

### **Policy on Seed Money for Internal Research**

1. Every faculty is eligible to apply for internal project which shall lead to collaborative / externally funded research projects.
2. The college shall provide the basic infrastructure required to conduct research projects.
3. Faculties are encouraged to identify inter-disciplinary research in their chosen field of research.
4. All innovative projects of faculty completed using the seed money would be earmarked for filing patents.
5. Recognition and remuneration will be given to those faculties who get patents.
6. The responsibility lies on the faculty members to take appropriate actions so that their innovations are covered by IPR and copyright protected.

### **Policy on Centre of Excellence**

The college shall develop and nurture Centre for Excellence in the frontier areas of research which shall be open to faculty, students and industry persons to conduct research and engage in innovation. The faculty and students commitment to research is enhanced in order to attract funding from governmental / international agencies and also from industry in relevant sectors. Excellence in the research skills from any faculty and student in the institution would be honored with incentives and promotion.

### **Policy on Consultancy Projects**

The college recognizes that consultancy is an effective way to disseminate knowledge. Hence it is seriously committed to make the expertise accessible and available the available to industry and society. The policy enables the researchers to take the research output to the end users by encouraging consultancies.

The college, as a socially responsible institution wants to make an early and direct impact on society through consultancy, whereas maintaining balance between consultancy and the

traditional role as a teacher. All Research and Non-research consultancies are governed by the established norms as described in the Policy on Consultancy Projects.

### **Policy on Innovations, Incubations and Entrepreneur Development**

“Innovation, and innovation in research and development” in particular, can provide the advantage that world class organizations need to create the sustainable growth year after year. Innovation in research and development (R&D) can be a strategic weapon in which top institutions employ definable strategies and practices to catalyse high levels of organic growth, support above average margins and separate themselves from the others.

Sustaining innovations are improvements that build on existing technology, products/ services, market strategy, etc. also referred to as “incremental” innovations.

Disruptive innovations on the other hand, are offerings, processes, methods, technologies, etc. that represent a major shift from everything that has come before.

The college shall promote Innovations, Incubation, and Entrepreneurial Development among the teachers and students leading to development of innovative, commercially viable and socially relevant products / materials which shall lead to Patents and Copyrights.

### **Policy on Ethical Research**

A separate policy and committee (IRB) is established to review and oversee the ethical issues of the research undertaken. Any research intended to be conducted should first obtain the approval from IRB (Institutional Review Board), without such an approval no research is permitted by the institution. The researcher/s should submit a proposal and that would be scrutinized for its scientific and ethical integrity by the IRB. There are internal and external members in the IRB who have the required expertise to scrutinize the proposal. The committee conducts meeting periodically for the same purpose and the researcher has to present the proposal in front of the committee.

### **Establishment of Intellectual Property Rights (IPR) Cell**

Steps shall be taken to establish an Intellectual Property Right Cell to assist the researchers and inventors to get protected their inventions and intellectual properties. A separate cell shall be created with the assistance from Central and/or state government. In this connection our institution has conducted multiple CDE programs on IPR related topics. Experts in the area have catered to the intellectual needs of our researchers.

### **Constitution of the Advanced Research Committee**

- Chairperson
- Co-chairpersons
- Member Secretary
- Members

  
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## Roles and Responsibilities of the Committee members:

### **Chairperson**

- Responsible for ensuring that the committee members are effectively engaged in order to achieve the objectives of the committee.
- Responsible to make the most of all the committee members, building and leading the team.
- Responsible for giving approval for any activity under the committee.
- Provide general advice and guidance to the staff, committee members and researchers.
- Offer support, and mentorship as required to the co-chairpersons, secretary, assistant coordinators and the members.
- Develops agendas along with the secretary.
- Chair all committee meetings.
- Check and approve the Minutes in a timely manner.
- Has to apprise the Principal of the institution periodically about the activities of the committee and submit a written report annually.
- Responsible for assuming the lead reviewer role for the research synopsis submitted to the board.
- Will actively seek input from committee members during regularly scheduled meetings and conference calls.
- Will actively assign tasks to committee members that are tailored to the needs discussed.

### **Co-Chairpersons**

- In absence of the chairperson, take his/her responsibilities.
- Assist the chairperson in all the duties as assigned by him/her.
- Organize scientific programs after consultation with the chairperson
- Providing updates on relevant and contemporary issues related to health research, as well as relevant contemporary literature to the committee

### **Member Secretary/Co-ordinator**

- Organize the committee meetings regularly and ensure that they are conducted in an orderly and efficient manner.
- To prepare, in conjunction with the president, the agenda for the committee meetings.
- To ensure that all members are kept informed of dates, times and venues for meetings.
- To report all important correspondence received by the committee to the meeting.
- Arrangement of training for staff members along with the chair and co-chairs.
- Organizing an effective and efficient tracking procedure for each proposal received.
- Allocation of proposal (in consultation with the chairperson) for reviews to specific members to facilitate efficient dispensation of the projects.

  
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**Members:**

- Work along with the secretary in all aspects
- Take minutes of meetings and provide it to the committee chair within ten working days of each meeting, for distribution to the entire committee within twenty working days.
- To maintain a register of all member attendance at meetings
- For online meetings, take a record of all those in attendance
- Maintain and report accounts to all the members regularly
- Receive and check for the completeness of the proposals sent for review
- Preparation, maintenance and distribution of proposals for review
- Collection and compilation of proposals after review
- Uploading proposals to relevant websites when required
- Prepare an "action item" calendar for the meetings which will consist of all of the deadlines for abstract submissions and research grants, and the evaluation and notification dates associated with them
- Take the lead in organizing scientific programs after consultation with the chairperson and secretary
- Providing updates on relevant and contemporary issues related to health research, as well as relevant contemporary literature to the committee.

  
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**Dayananda Sagar College of Dental Sciences,  
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru**

SCDS/Internal/2018-19/

Date: 14/08/2018


**OFFICE ORDER**

**COMMITTEE FOR ADVANCED RESEARCH STUDIES**

Committee for Advanced Research Studies has been constituted to implement setting up of Centers for Learning and Excellence and to promote research culture among faculty and students at Dayananda Sagar College of Dental Sciences. Tenure of committee will be of One year.

The committee members are as follows:

Sl. No.	Name	Designation	Position
1	Dr. Hemanth M	Principal	Chairperson
2	Dr. Nagesh L	Prof & HOD - Public Health Dentistry	Member Secretary
3	Dr. Shobha ES	Prof & Head - OMFS	Member
4	Dr. Krishnanand PS	Prof & HOD - Oral Pathology	Member
5	Dr. Prashanth NT	Professor- Oral Medicine & Radiology	Member
6	Dr. Gargi S Murthy	Reader - Pedodontics	Member
7	Dr. Veena Pai S	Reader - Conservative Dentistry & Endodontics	Member
8	Dr. Mahesh DR	Reader - Oral Medicine & Radiology	Member
9	Dr. Sreeharsha TV	Reader - Prosthodontics	Member
10	Dr. Sharmada BK	Reader - Orthodontics	Member
11	Dr. Pallavi K	Senior Lecturer - Periodontics	Member
12	Dr. Jayaprasad Darsan	Senior Lecturer - Orthodontics	Member

  
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Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.



**Dayananda Sagar College of Dental Sciences,  
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru**

DSCDS/Internal/2019-20/31

Date: 14/08/2019

**OFFICE ORDER**

**COMMITTEE FOR ADVANCED RESEARCH STUDIES**

Committee for Advanced Research Studies has been constituted to implement setting up of Centers for Learning and Excellence and to promote research culture among faculty and students at Dayananda Sagar College of Dental Sciences. Tenure of committee members will be of three years.

The committee members are as follows:

Sl. No.	Name	Designation	Position
1	Dr. Hemanth M	Principal	Chairperson
2	Dr. Nagesh L	Prof & HOD - Public Health Dentistry	Member Secretary
3	Dr. Shobha ES	Prof & Head - OMFS	Member
4	Dr. Krishnanand PS	Prof & HOD - Oral Pathology	Member
5	Dr. Prashanth NT	Associate Professor- Oral Surgery	Member
6	Dr. Gargi S Murthy	Reader - Pedodontics	Member
7	Dr. Veena Pai S	Reader - Conservative Dentistry & Endodontics	Member
8	Dr. Mahesh DR	Reader - Oral Medicine & Radiology	Member
9	Dr. Sreeharsha TV	Reader - Prosthodontics	Member
10	Dr. Sharmada BK	Reader - Orthodontics	Member
11	Dr. Pallavi K	Senior Lecturer - Periodontics	Member
12	Dr. Jayaprasad Darsan	Senior Lecturer - Orthodontics	Member

  
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Kumaraswamy Layout,  
Bangalore - 560 078.



**Dayananda Sagar College of Dental Sciences,  
Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru**

SCDS/Internal/2022/ 33

Date: 16/08/2022


**OFFICE ORDER**

**COMMITTEE FOR ADVANCED RESEARCH STUDIES**

Committee for Advanced Research Studies has been reconstituted to implement setting up of Centers for Learning and Excellence and to promote research culture among faculty and students at Dayananda Sagar College of Dental Sciences. The committee shall also look into Research Funding Avenues for Faculty and Student Research and shall also monitor Faculty and Student Publication and Publications. Tenure of committee will be of three years.

The committee members are as follows:

Sl. No.	Name	Designation	Position
1	Dr. Hemanth M	Principal	Chairperson
2	Dr. Nagesh L	Professor Emeritus – Research Head	Co-Chairperson
3	Dr. Shobha ES	Prof & Head – Oral Surgery	Member
4	Dr. Avinash J	Prof & HOD – Public Health Dentistry	Member
5	Dr. Krishnanand PS	Prof & HOD – Oral Pathology	Member
6	Dr. Prashanth NT	Professor- Oral Surgery	Member
7	Dr. Gargi S Murthy	Reader - Pedodontics	Member
8	Dr. Veena Pai S	Reader - Conservative Dentistry & Endodontics	Member
9	Dr. Mahesh DR	Reader – Oral Medicine & Radiology	Member Secretary
10	Dr. Sreeharsha TV	Reader - Prosthodontics	Member
11	Dr. Afshan Saman Waremani	Reader - Orthodontics	Member
12	Dr. Koduru Sravani	Senior Lecturer - Periodontics	Member
13	Dr. Ambili C	Senior Lecturer – Conservative Dentistry	Member
14	Ms. Shilpa K	Asst. Professor – Microbiology	Member
15	Ms. Ashitha Mariam Leslie	Lecturer – Pharmacology	Member


  
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Kumaraswamy Layout,  
Bangalore - 560 078.

# Dayanand Sagar college of Dental Sciences

Placement talk & short interview

7-06-2022

SI No	Names	SI no	Names
1	Akshay Choubey	24	Jyoti Singh
2	Akshita Das	25	Kankanala Sridivya
3	Anand Shankar	26	Kaveri S Sultanpuri
4	Anandi Ganguli	27	Khesia Edison
5	Arjun Aditya	28	Komal Jain M
6	Kiran Dev	29	Komal Singh
7	Minazul Haque Choudhary	30	Manoj Kumar T V
8	Mojtab Balouchi Akbari	31	Manu K
9	Pokhuan Panmei	32	Meelu Babu
10	Soujas Renukuntla	33	N Chaitra
11	Vignesh	34	Pallavi R Y
12	Adil Saif Siddique	35	Pradeep Raj J
13	Ankita Arya	36	Pragya Singh
14	Ashwini C	37	Prarthana Bharadwaj
15	Atika Ifath	38	Soumya
16	Chatre Aishwarya	39	Sudha K
17	Chiraag S	40	Surabhi Sasi
18	G C Gargi Prakash	41	Syed Mohammed Maruf
19	Gajare Ganesh Dattatray		
20	Geetha Priya Y B		
21	Harshitha B N		
22	Hima A Girish		
23	Hitesh N		

  
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Kumaraeswamy Layout,  
Bangalore - 560 078.



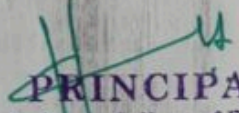
## PLACEMENT TALK- 2022

A Campus interview and placement talk was organized by the DSCDS Alumni Association and Onpoint Healthcare partners, Bangalore for the benefit of our Interns and Alumni on 7th June 2022.

Mr. Prem Anand, Senior manager-Recruitment Head and Dr Neha Borele-Training Manager were the speakers. Programme commenced with introduction of the company. Speakers spoke on their company and gave elaborate talk on medical scribing and also on the opportunities available in their Bengaluru branch for interns.

A total of 30 interns attended the program in which few showed interest to join for whom interviews were scheduled.



  
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DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES  
Shavige Malleshwara Hills, Kumaraswamy Layout  
Bangalore 560 076



DSCDS/Internal/2022/039

June 6, 2022

**CIRCULAR**

This is to bring to the notice of all interns that a placement talk and short interview will be conducted on Tuesday June 7, 2022 between 2:00pm and 3:00pm in lecture hall no. 1 by **Onpoint Health Care Partners, Bangalore**. All Interns are hereby instructed to attend the same.

**Time – 2:00pm**

**Venue - Lecture Hall No. 1**

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Kumaraswamy Layout,  
Bangalore - 560 078.

# Dayanand Sagar college of Dental Sciences

Preplacement talk and Campus interview

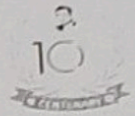
19-04- 2022

SI No	Names	SI no	Names
1	Akshay Choubey	34	Pallavi R Y
2	Akshita Das	35	Pradeep Raj J
3	Anand Shankar	36	Pragya Singh
4	Anandi Ganguli	37	Prarthana Bharadwaj
5	Arjun Aditya	38	Soumya
6	Kiran Dev	39	Sudha K
7	Minazul Haque Choudhary	40	Surabhi Sasi
8	Mojtab Balouchi Akbari	41	Syed Mohammed Maruf
9	Pokhuan Panmei		
10	Soujas Renukuntla		
11	Vignesh		
12	Adil Saif Siddique		
13	Ankita Arya		
14	Ashwini C		
15	Atika Ifath		
16	Chatre Aishwarya		
17	Chiraag S		
18	G C Gargi Prakash		
19	Gajare Ganesh Dattatray		
20	Geetha Priya Y B		
21	Harshitha B N		
22	Hima A Girish		
23	Hitesh N		
24	Jyoti Singh		
25	Kankanala Sridivya		
26	Kaveri S Sultanpuri		
27	Khesia Edison		
28	Komal Jain M		
29	Komal Singh		
30	Manoj Kumar T V		
31	Manu K		
32	Meelu Babu		
33	N Chaitra		

  
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Bangalore - 560 078.





DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES  
KUMARSWAMY LAYOUT, BANGALORE- 560078.

Report on campus interview and placement program in association with  
Symphony AI.

A Campus interview and a pre placement talk was organized by the DSCDS Alumni Association and Symphony AI, Bangalore for the benefit of our Interns and Alumni on 19<sup>th</sup> of April 2022.

Mr. Renuka Prasad, from the Recruitment Division and Mrs. Sushma were the speakers. Programme commenced with introduction of the company. The company deals with data abstraction and has over 130 people working with them especially in the field of oncology technology. The company was looking for candidates with BDs degree and MDS in Oral Pathology, Oral Medicine and Public Health Dentistry who were familiar with oral oncology and who had experience in reading and writing of medical records.

Interns and alumni members attended the session and were also interviewed for the various posts that were available. 10 interns were shortlisted in the interview.

**Campus placement – By Symphony AI  
19<sup>th</sup> April 2022**



*DSCDS is one of the very few institutions in the country to  
arrange placements in a dental college*

H  
S



Salary: which is competitive and above the market standards. This includes a Joining Bonus of Rs. 25,000/- (paid post completion of probation period)

Relocation: Applicable only for the candidates who are relocating for the job opportunity up to maximum of Rs. 50,000/- (paid on actuals, by bill submission).

Rest of the benefits can be communicated to the candidates when we visit / meet you and your students.

Thanks & Regards

Sushma K P | Talent Acquisition

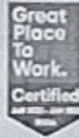
Contact: +91- 9739994084

Email: sushma@symphonyai.com

WE ARE

**GREAT PLACE TO WORK - CERTIFIED™**

Building and sustaining High-Trust, High-Performance Culture™

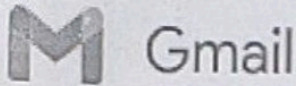


SymphonyAI

SymphonyAI | [www.symphonyai.com](http://www.symphonyai.com)

Handwritten signature or initials in green ink.





Principal . <principal@dscds.edu.in>

## Fwd: Introduction Mail - Symphony AI

Savitha K P <savithakp@dayanandasagar.edu>  
To: principal@dscds.edu.in

Tue, Mar 15, 2022 at 4:44 PM

Dear Sir,

Kindly check the trailing mail. They are looking forward to hire both BDS and MDS students.

Warm Regards,

Savitha K P

Placement Officer

Dayananda Sagar Institutions

Shavige Malleshwara Hills, Kumaraswamy Layout

Bangalore-560 078, India.

Mobile: 9880011870

E-mail: savithakp@dayanandasagar.edu

Website : www.dayanandasagar.edu

----- Forwarded message -----

From: **Sushma Parichay** <Sushma@symphonyai.com>

Date: Tue, Mar 15, 2022 at 3:36 PM

Subject: Introduction Mail - Symphony AI

To: savithakp@dayanandasagar.edu <savithakp@dayanandasagar.edu>

Greetings from Symphony AI,

It was great connecting with you today.

As discussed, please find an introduction of Symphony AI, a fastest growing company in the field of AI.

**SymphonyAI** is an enterprise AI company transforming the world's largest industries with packaged AI solutions. SymphonyAI's enterprise-ready platform uniquely delivers transformative business value across life sciences, healthcare, retail, CPG, financial services, manufacturing, media, telecom, and the public sector. SymphonyAI combines unrivaled AI technology, vertical expertise, and industry-specific data and insights into packaged solutions to drive the highest value for customers. SymphonyAI delivers intelligence at scale for more than 5,500 customers worldwide. By putting AI in the hands of business users, SymphonyAI has rapidly grown from a start-up in 2017 to a leading enterprise AI company with over 2,200 talented leaders and data scientists solving the world's most challenging business problems. Learn more at [symphonyai.com](http://www.symphonyai.com) (<http://www.symphonyai.com> )





DSCDS/Internal/2022/063

April 13, 2022

**CIRCULAR**

A Pre-Placement Talk and Campus Interview have been organized on Tuesday the 19<sup>th</sup> April 2022 for on campus recruitment for position of data by Symphony AI. All Interns and Alumni students of our college are hereby informed to attend the same without fail.

Venue: Class Room No. 1, Pre Clinical Block

Date: 19/04/2022

Time: 10:00am to 1:00pm

In this regard, all Heads of the departments are hereby requested to permit the Interns to attend the program.

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Dayananda Sagar College of Dental Science  
Kumaraswamy Layout,  
Bangalore - 560 078.

Copy to;

1. Teaching Faculty & Interns whatsapp group
2. Office file

# Dayanand Sagar college of Dental Sciences

Preplacement talk & Campus interview

12-04-2022

SI No	Names	SI no	Names
1	Akshay Choubey	24	Jyoti Singh
2	Akshita Das	25	Kankanala Sridivya
3	Anand Shankar	26	Kaveri S Sultanpuri
4	Anandi Ganguli	27	Khesia Edison
5	Arjun Aditya	28	Komal Jain M
6	Kiran Dev	29	Komal Singh
7	Minazul Haque Choudhary	30	Manoj Kumar T V
8	Mojtab Balouchi Akbari	31	Manu K
9	Pokhuan Panmei	32	Meelu Babu
10	Soujas Renukuntla	33	N Chaitra
11	Vignesh	34	Pallavi R Y
12	Adil Saif Siddique	35	Pradeep Raj J
13	Ankita Arya	36	Pragya Singh
14	Ashwini C	37	Prarthana Bharadwaj
15	Atika Ifath	38	Soumya
16	Chatre Aishwarya	39	Sudha K
17	Chiraag S	40	Surabhi Sasi
18	G C Gargi Prakash	41	Syed Mohammed Maruf
19	Gajare Ganesh Dattatray		
20	Geetha Priya Y B		
21	Harshitha B N		
22	Hima A Girish		
23	Hitesh N		

  
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Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.



**Dayananda Sagar College of Dental Sciences Shavige Malleshwara  
Hills, Kumaraswamy Layout, Bangalore 560 078**

**Pre-Placement Talk and Campus Interview**

A Pre-Placement talk and campus interview was organized by the DSCDS Alumni association and MERCK India for the benefit of Interns.


Dr Manjunatha BV and Dr Akshata Rao from MERCK India were the speakers. Dr Manjunath was 1995 batch Alumnus of DSCDS. He is currently the Associate Director, Safety Project Management and Periodic Safety Reports, Bangalore. Biopharma | Global Patient Safety | Operations of Merck India.

Programme commenced with introduction of the company and the speakers by Dr Veena S Pai followed by welcome speech by Principal Dr Hemanth, where he congratulated the Alumni Association for conducting such program and insisted on diversification beyond dentistry.

Dr Akshata and Dr Manjunath spoke on their company history, gave elaborate talk on clinical research and its prospectus and also on the opportunities available in their Bangalore branch for interns.

A total of 30 interns attended the program in which most of them showed interest to join for whom immediate preliminary interview was conducted for 6 interns.



  
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Dayananda Sagar College of Dental Sciences  
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**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
**Shavige Malleshwara Hills, Kumaraswamy Layout**  
**Bangalore 560 076**

DSCDS/Internal/2022/033

April 11, 2022

**CIRCULAR**

A Pre-Placement Talk and Campus Interview have been organized on Tuesday the **12<sup>th</sup> April 2022** for on campus recruitment for position of Safety Project Manager by Merck India. All Interns and Alumni students of our college are hereby informed to attend the same without fail.

**Venue: Class Room No. 1, Pre Clinical Block**

**Date: 12/04/2022**

**Time: 10:00am to 1:00pm**

In this regard, all Heads of the departments are hereby requested to permit the Interns to attend the program.

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Kumaraswamy Layout,  
Bangalore - 560 078.

Copy to;

1. Teaching Faculty & Interns whatsapp group
2. Office file

# Dayanand Sagar college of Dental Sciences

Clinical research as a career opportunity

30-03-2022

SI No	Names	SI no	Names
1	Akshay Choubey	24	Jyoti Singh
2	Akshita Das	25	Kankanala Sridivya
3	Anand Shankar	26	Kaveri S Sultanpuri
4	Anandi Ganguli	27	Khesia Edison
5	Arjun Aditya	28	Komal Jain M
6	Kiran Dev	29	Komal Singh
7	Minazul Haque Choudhary	30	Manoj Kumar T V
8	Mojtab Balouchi Akbari	31	Manu K
9	Pokhuan Panmei	32	Meelu Babu
10	Soujas Renukuntla	33	N Chaitra
11	Vignesh	34	Pallavi R Y
12	Adil Saif Siddique	35	Pradeep Raj J
13	Ankita Arya	36	Pragya Singh
14	Ashwini C	37	Prarthana Bharadwaj
15	Atika Ifath	38	Soumya
16	Chatre Aishwarya	39	Sudha K
17	Chiraag S	40	Surabhi Sasi
18	G C Gargi Prakash	41	Syed Mohammed Maruf
19	Gajare Ganesh Dattatray		
20	Geetha Priya Y B		
21	Harshitha B N		
22	Hima A Girish		
23	Hitesh N		

  
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KumaraSwamy Layout,  
Bangalore - 560 078.

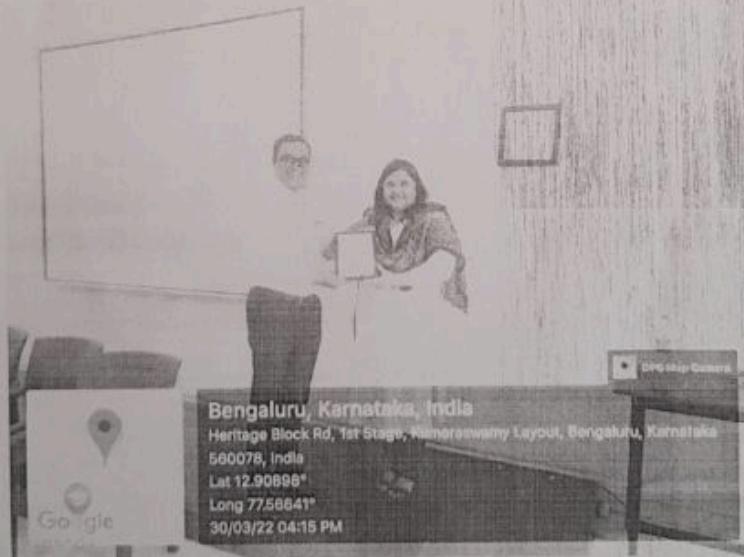


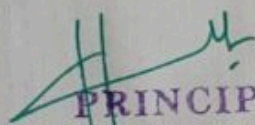


**Dayananda Sagar College of Dental Sciences**  
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### **Dayananda Sagar College of Dental Sciences Alumni Association ®**

The Dayananda Sagar College of Dental Sciences' Alumni Association conducted a Career Guidance program for the benefit of Interns and Final Year BDS students by inviting it's Alumni member Dr. Smruthi Ramprakash Panyam from the Batch of 1997 to give her insights on Clinical research as a Career Opportunity.

Dr. Smruthi is currently the Director of Clinical Data Informatics, in Beigene GmbH and based in Germany. She has held multiple positions in the industry globally spanning across India, Japan, USA, Poland and Germany.

Dr. Vinod Rangan Secretary of the DSCDS Alumni Association spoke about the programs planned out by the association commencing this year with the 'Knowledge Exchange Series' with fruitful interactions between Alumni and the College.

Dr. Hemanth, Principal welcomed the Guest speaker and appreciated the efforts of the Alumni Association in bringing about the programs as planned. He urged the students and Interns to be proactive and be part of the Association once they complete the course and be role models by achieving great heights in their careers and come back to bring their experience to their juniors in the future to come. He acknowledged the presence of Dr. Ajaz Pasha, Vice President of the DSCDS-AA UG Batch of 1993, Dr. Vinod Rangan, Secretary DSCDS-AA, UG Batch of 1998, Dr. Veena Pai, Treasurer DSCDS-AA UG Batch of 1999 and all other Alumni members gathered.

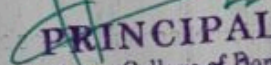
Dr. Smruthi then spoke about various aspects of clinical research and the opportunity that comes with it in association with other bio diverse organizations in the field of Research and Clinical trials. The students had an informative interaction.

The talk was followed by a short Q & A session where the participants interacted one to one with the Guest Speaker.

Vote of thanks was proposed and delivered by Dr. Ashok HK, Alumni UG Batch of 1999.

Event concluded with thanks to the organizing team that included Dr. Fatima Khallidi (PG Alumni) , Dr. Brunda Gowda(PG Alumni) Dr. Darsan JP(PG Alumni) as well as the Alumni association.

#DSCDSAA  
#DSCDSAlumni  
#DentistryAndBeyond  
#DSI  
#Almamater  
#Homecoming

  
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Kumaraswamy Layout,  
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**Dayananda Sagar College of Dental Sciences,**  
Shavige Malleshwara Hills, Kumaraswamy Layout,  
Bengaluru - 560 078, Telephone: 080 26663654, 7483693035  
Email: principal@dscds.edu.in



DSCDS/Notice/2022/06

March 28, 2022

## NOTICE

A career guidance program has been organized by the DSCDS Alumni Association for the benefit of Interns (Odd & Regular) and Final Year (Regular) students on the Topic "**Clinical Research as a Career Opportunity by Dr. Smruthi Panyam, Alumni 1997 batch of DSCDS, Presently working as Director, Clinical Data Informatics, Germany.** All Interns and final year BDS students are instructed to attend the same.

Theory classes between 3:00 to 4:00pm suspended.

### Program Details:

Date: 30<sup>th</sup> March 2022

Time: 03:00pm onwards

Venue: Class Room No. 1

Coordinator : Dr. Veena Pai, Reader, Dept. of Conservative Dentistry & Endodontics,  
Treasurer, DSCDS Alumni association

**PRINCIPAL**

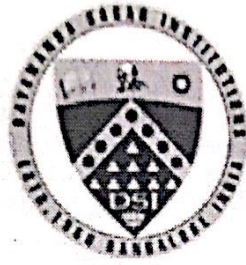
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1. AV committee for necessary arrangements





**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**

Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru - 560078

**CERTIFICATE OF GRATITUDE**

Presented to

**Dr. Kshama Swamy**

Senior Vice President, Global Client Service

*Guest Speaker*

**“Career opportunities abroad”**

at

**Dayananda Sagar College of Dental Sciences,  
Bengaluru**

**on 14th March 2022.**

**Shri Galiswamy**  
Secretary, DSI


**Dr. Hemanth M, MDS, Ph.D**  
Principal

# Dayanand Sagar college of Dental Sciences

Career opportunities abroad-A fireside chat

14-03-2022

Sl No	Names	Sl no	Names
1	Akshay Choubey	24	Jyoti Singh
2	Akshita Das	25	Kankanala Sridivya
3	Anand Shankar	26	Kaveri S Sultanpuri
4	Anandi Ganguli	27	Khesia Edison
5	Arjun Aditya	28	Komal Jain M
6	Kiran Dev	29	Komal Singh
7	Minazul Haque Choudhary	30	Manoj Kumar T V
8	Mojtab Balouchi Akbari	31	Manu K
9	Pokhuan Panmei	32	Meelu Babu
10	Soujas Renukuntla	33	N Chaitra
11	Vignesh	34	Pallavi R Y
12	Adil Saif Siddique	35	Pradeep Raj J
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14	Ashwini C	37	Prarthana Bharadwaj
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**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES  
KUMARSWAMY LAYOUT, BANGALORE- 560078.**

**Report on Career Guidance Program**

A Career Guidance program “Career Opportunities abroad- A fireside chat “was conducted on the 14<sup>th</sup> of March 2022. A panel consisting of the guest speakers Dr. Kshama Swamy, Dr. Kumar N C, Dr. Avinash J and Dr. Hemanth M carried out the fireside chat. It was an informal interactive session about the various career prospects for the budding doctors in India and USA. Details about various courses such as DDS bridge course, Masters in Public Health, Dental informatics, Masters in Hospital Administration, Clinical research, Artificial intelligence and machine learning were discussed. The students interacted with the speakers by asking questions that were promptly answered by the panelists. Overall, the program was very informative and we hope it would help the students in their future career planning.







# DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES CAREER GUIDANCE PROGRAM

14<sup>th</sup> March 2022



**Dr. Kshama Swamy,**  
Senior Vice President,  
Global Client Services,  
Par Technology

## Career Opportunities Abroad- A fireside chat

**Time: 02:15 PM**

**Venue: Lecture hall 1 , DSCDS**

**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

Management, Principal, staff and students



**Dayananda Sagar College of Dental Sciences,**  
Shavige Malleshwara Hills, Kumaraswamy Layout,  
Bengaluru - 560 078, Telephone: 080 26663654, 7483693035  
Email: principal@dscds.edu.in



DSCDS/Notice/2022/05

March 12, 2022

## NOTICE

A career guidance program has been organized for Interns (2020-21 odd and regular batch) and Final year BDS 2021-22 regular batch on the Topic "Career opportunities abroad"- a Fire Side chat with Dr. Kshama Swamy. Senior Vice President, Global Client services, At Par Technology USA all Interns and final year BDS students are instructed to attend the same.

Theory classes between 2:00 and 4:00pm suspended.

### Program Details:

Date: 14<sup>th</sup> March 2022

Time: 02:00m onwards

Venue: Class Room No. 1

Coordinator : Dr. Nithin N Bhaskar, Reader, Dept. of Public Health Dentistry

  
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Bangalore - 560 078.

Copy to

1. AV committee for necessary arrangements



# Dayanand Sagar college of Dental Sciences

## Career guidance programme

1-10-2021

SI No	Names	SI no	Names
1	Abhijeet Das	35	Karma K P
2	Aishwarya M	36	Kruthi M S
3	Akshata Ohm	37	Minu Kumari
4	Ameneh Md, Aziz Tarbaneh	38	Mobin Fatima
5	Anush C K	39	Momik Roy
6	Chikkalagi Radhika Revena Siddappa	40	Navneeth Acharya G S
7	Lakshmi Priya	41	Niharika R V
8	Madhuri Koushik V R	42	Nikita Singh
9	Mehrab Mesgarani	43	Parikeerthan Y P
10	Nairuthya K P	44	Pathipati Divya
11	Shreya Agarwal	45	Rashika Tripathi
12	Shreya Mehta	46	Roopashree Nayak
13	Tenzin Younten	47	Shivani S
14	Zain Mehkri	48	Shriyanshi Singh
15	Aishwarya Vijay	49	Sowmya A
16	Aliya Kauser	50	Sumiran Sinha
17	Allen S Joseph	51	Vijay Singh Jadoun
18	Amulya M Gowda	52	Sarsti Suman Borah
19	Ananthu T Suresh		
20	Anjali Kaushik		
21	Aravind Patil		
22	Archana I P		
23	Arshiya Kauser		
24	Naznin Akhtar Islam		
25	Barsha Saikia		
26	Daniel Bovas		
27	Elizabeth Aji		
28	Essamuldeen Khaleel Jaddoa		
29	Hemavati Roogi		
30	Ishani Das		
31	Jaya Dayanand Kamat		
32	K Gnana Sphurthi		
33	K H Aishwarya		
34	Kajol Yadav		

  
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Bangalore - 560 078.



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**PRINCIPAL**  
Devananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

1/10/21

## Dayananda Sagar College of Dental Sciences

Dayananda Sagar Institutions, Campus - 1, Shavige Malleshwara Hills, Kumaraswamy  
Layout, Bangalore 560 078, Karnataka; India

The Dayananda Sagar College of Dental Sciences in association with Macula Healthcare conducted a Career Guidance program for the House Surgeons on 01.10.2021.

Dr. Hemanth M, Principal welcomed the guest speakers, Dr. Jithendra and Dr. Madhumalathi J and thanked them for taking time off to share their experience and guide our students on career prospects after completing the Graduate Program in Dentistry.

Dr. (Major) Madhumalathi J spoke about setting up a business model and explained concepts of entrepreneurship which is beneficial for the workforce as well as society in large. With this, Dr. Madhu, set the stage on all activities of Macula Healthcare, and it's involvement with DSI and DSCDS.

Dr. Jithendra briefed the audience on the importance of having a Entrepreneur like mindset to see success in clinical practice or venture into business models that provide an insight into innovation which is in line with the Atal Innovation Mission an initiative of the Government of India. He explained the idea of this program was to provide education on the incubation centre which had been setup in collaboration with School. Of Engineering, Dayananda Sagar University, as well as to expose the entrepreneurial qualities that every individual has. He reinforced that Macula Healthcare provides such support and solutions with a highly motivated and integrated team of professionals to take up business plans and invited all to be part of the same when required by taking up projects that may be in Healthcare, with options for scalability and Lean or limited Management.

This program gave an insight on thinking out-of-the-box with regard to career options after the Graduate program in Dentistry. While it is imperative that Clinical practice be of main stay, business oriented Dental innovations could now be possible too.. In collaboration with Macula Healthcare and DSCDS.

Pictures shared show glimpses of the event.

  
Dr. Hemanth M  
Principal, DSCDS

  
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Bangalore - 560 078.



**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
**Shavige Malleshwara Hills, Kumaraswamy Layout**  
Bangalore 560 076

DSCDS/Internal/2021/035

September 28, 2021

**CIRCULAR**

A Career Guidance Program has been organized for the benefit of the Interns, Dr. Jitendra Kumar from Macula Healthcare will be interacting with you and provide details of career opportunities for our young professional in Health Care Industry.

**Venue: Class Room No. 1**

**Date: 01/10/2021**

**Time: 2:30pm**

In this regard, all interns are hereby informed to attend the program without fail. Heads of the departments are hereby requested to permit the students to attend the program.

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Bangalore - 560 078.

Copy to;

1. Teaching Faculty & Interns whatsapp group
2. Office file




# Dayanand Sagar college of Dental Sciences

Career guidance opportunities in US, Canada & Middle East

28-02-2020

SI No	Names	SI no	Names
1	Ali Reza Rasti	34	Zuwaina Khan
2	Kalden Dolma Bhutia	35	Anju Sonpura
3	Nami Longri	36	Charu Sonegare
4	D Yasomanaswini	37	Kishen K S
5	Partha Pratik	38	Mahima R
6	Raksha Prasad R	39	Safa Maryam
7	Anaida Acharya	40	Syed Mikayeel Abidi
8	Ananthesh H S	41	Rashmitha B S
9	Ayushi Srivastava	42	Sreejit Saha
10	C Surya Prakash	43	Shadakshari
11	Chaithanya S		
12	Darshini Priya M		
13	Deepashri S		
14	Divya Babu		
15	Gokul K		
16	Harsha Mohandas		
17	Jitha P Pkarthika K T		
18	Keerthi Krishnan Unni		
19	Likitha M N		
20	Mimansa Deshmukh		
21	Mohammed Sadiq Kazi		
22	Naveen John		
23	Raksha Kumari		
24	Reshma K		
25	S Hemanth Kumar		
26	Shabnam Firdaus		
27	Sherin Paul M		
28	Sunaina Balan N		
29	Swapmil Rastogi		
30	Swasti Bhardwaj		
31	Swetha Chandran		
32	Tasneem Banu S M		
33	Vishnu Aithal P B		

  
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Bangalore - 560 078.





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KUMARSWAMY LAYOUT, BANGALORE- 560078.


## Report on Career Guidance program on opportunities Abroad

A Career guidance program on the topic "Career opportunities abroad" was organized for the benefit of Interns and post graduate students. The program was scheduled on the 28<sup>th</sup> of February 2020 in Department of Orthodontics, Seminar hall between 1.45 pm to 3.30 pm.

Dr Vishnu Teja and Dr Ashvath Kulkarni from Abroad Dental Academy were invited as speakers for the program. The programme commenced with introduction of the company and the speakers By Dr Yashwanth G, Reader, Department of Conservative Dentistry and Endodontics followed by welcome speech by Principal Dr Hemanth, the speakers gave information about their company and its history. They spoke elaborately regarding the various opportunities for dental graduate and post gradates in United States of America, Canada, United Kingdom and the Middle East.

This followed by an interactive session with the interns and the speakers made an effort to answer each of their queries.

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Bangalore 560 076

DSCDS/Internal/2020/

February 22, 2020

## CIRCULAR

This is to bring to the notice of all the heads of the departments and staff that the interns and interested postgraduate students are instructed to attend the **Career Guidance Program for opportunities in US, Canada, UK and Middle East** to be conducted by Dr. Vishnu Teja, Abroad Dental Academy and Dr. Ashvath Kulkarni.

Venue: Seminar Hall, Department of Orthodontics

Date: 28/02/2020

Time: 1:45pm to 3:30pm

Staff incharge for the program - Dr. Yashwanth G, Reader of Conservative Dentistry & Endodontics.

The program is compulsory for **all Interns, interested Faculty and Postgraduates can also attend**. Heads of the departments are hereby requested to permit the students to attend the program.

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2. Office file

# Dayanand Sagar college of Dental Sciences

“Doctor of Dental Surgery in United States: Challenges and opportunities”

14-06-2019

SI No	Names	SI no	Names
1	Aditi Padmaraj Chinde	36	Krishnendu S
2	Anjali Raviraj Ballal	37	Lakshmi Masoodanan
3	Ashila Ghose	38	Manasa Gowthami Dullipalla
4	Ashmita Podder	39	Nethra Narayanan
5	Atul Raj	40	Nischal C G
6	Dileep Kumar	41	Nishmitha D Shetty
7	Elham Zarrin Chehr	42	Raveena Raveendran
8	Minerva Subba	43	Renuka Choudhary
9	Madhura S T	44	Mervin Harris T
10	Srikar Comandur	45	Reshma S
11	Supriya	46	Rosemaria P R
12	Swati Priya	47	Rujula J
13	Kaushik Kumar Borah	48	Rupshikha Sen
14	Faki Dilawara Hashim	49	Rydhm Khajuria
15	A B Arshana	50	Sanket Sachidanand Nayak
16	Adithyan P B	51	Satyam Kashyam
17	Aditi U A	52	Sera Mariyam Jinny
18	Aditya Kiran	53	Shantanu Kumar
19	Aiswarya R	54	Shantipriya P
20	Akash Francis	55	Sharanya P
21	Akshatha Y S	56	Shree Kumar Desai
22	Alyssa Maria Prince	57	Shree Ramya.R
23	Anil Kumar	58	Siddharth Venugopal
24	Anisha Yohannan	59	Sithar Chozom Lama
25	Anusha K V	60	Sneha P.K
26	Anusha Tyagi	61	Spandana
27	Asjadi Sheikh	62	Sreelakshmi.K
28	Aswathi S Nambiar	63	Srikar Gade
29	Bhawana Basnett	64	Teena Mariam Thomas
30	G Praveen Kumar	65	Vaibhavi R.
31	Gayathri R	66	Varun Narla
32	Haiqua Nasir		
33	Igam Doye		
34	J Shruthi		
35	Krishna Mohandas		

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Bangalore - 560 078.





**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
**KUMARSWAMY LAYOUT, BANGALORE- 560078.**


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**Report on Career Guidance program titles DDS in USA: Challenges and opportunities**

A Career guidance lecture on the topic “**Doctor of Dental Surgery in United States: Challenges and Opportunities**” was organized for the benefit of Interns and post graduate students. The program was scheduled on the 14<sup>th</sup> of June 2019 in AV Auditorium of the Digital Library, DSI between 1.45 pm to 3.30 pm.

The program was initiated with the Introduction of the speaker for the program Dr Abhishek Jahagirdar, DDS (University of California, San Francisco). He is an alumnus staff of Dayananda Sagar College of Dental Sciences. The programme mainly focused on the dos and donts of pursuing the DDS course in United States. He spoke in length about the various scholarships available to pursue higher studies as well as an insight about difficulties faced by students in procuring loans and how to overcome them. He also gave inputs to the students regarding the scope of practicing dentistry in US. Dentistry is among the few top paid jobs in the US.

This followed by an interactive session with the interns and the speaker answered each of their queries with full enthusiasm.

  
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Shavige Malleshwara Hills, Kumaraswamy Layout  
Bangalore 560 076

DSCDS/Internal/2019-20/

June 10, 2019

## CIRCULAR

This is to bring to the notice of all the heads of the departments and staff that the interns and interested postgraduate students are instructed to attend the career guidance program development lecture on **“Doctor of Dental Surgery in United States: Challenges and opportunities”** by Dr. Abhishek Jahagirdar MDS in Oral Pathology, (DDS University of California, San Francisco).

Venue: AV Auditorium – Digital Library

Date: 14/06/2019

Time: 1:45pm to 3:30pm

Staff incharge for the program – Dr. Mayank Jaiswal, Sr. Lecturer of Oral Surgery

The program is compulsory for **all interns, interested Faculty and Postgraduates can also attend**. Heads of the departments are hereby requested to permit the students to attend the program.

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1. All Departments, Interns and PG's
2. Office file



# Dayanand Sagar college of Dental Sciences

Health Informatics and Distance Learning

24-05-2019

SI No	Names	SI no	Names
1	Aditi Padmaraj Chinde	36	Krishnendu S
2	Anjali Raviraj Ballal	37	Lakshmi Masoodanan
3	Ashila Ghose	38	Manasa Gowthami Dullipalla
4	Ashmita Podder	39	Nethra Narayanan
5	Atul Raj	40	Nischal C G
6	Dileep Kumar	41	Nishmitha D Shetty
7	Elham Zarrin Chehr	42	Raveena Raveendran
8	Minerva Subba	43	Renuka Choudhary
9	Madhura S T	44	Mervin Harris T
10	Srikar Comandur	45	Reshma S
11	Supriya	46	Rosemaria P R
12	Swati Priya	47	Rujula J
13	Kaushik Kumar Borah	48	Rupshikha Sen
14	Faki Dilawara Hashim	49	Rydhm Khajuria
15	A B Arshana	50	Sanket Sachidanand Nayak
16	Adithyan P B	51	Satyam Kashyam
17	Aditi U A	52	Sera Mariyam Jinny
18	Aditya Kiran	53	Shantanu Kumar
19	Aiswarya R	54	Shantipriya P
20	Akash Francis	55	Sharanya P
21	Akshatha Y S	56	Shree Kumar Desai
22	Alyssa Maria Prince	57	Shree Ramya.R
23	Anil Kumar	58	Siddharth Venugopal
24	Anisha Yohannan	59	Sithar Chozom Lama
25	Anusha K V	60	Sneha P.K
26	Anusha Tyagi	61	Spandana
27	Asjadi Sheikh	62	Sreelakshmi.K
28	Aswathi S Nambiar	63	Srikar Gade
29	Bhawana Basnett	64	Teena Mariam Thomas
30	G Praveen Kumar	65	Vaibhavi R.
31	Gayathri R	66	Varun Narla
32	Haiqua Nasir		
33	Igam Doye		
34	J Shruthi		
35	Krishna Mohandas		

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## CAREER OPPORTUNITY FOR UNDERGRADUATE STUDENTS



Bachelor of Dental Surgery (BDS) is a very dynamic education branch. After completion of BDS there are various career opportunities and higher studies option for the students. A career guidance programme was conducted on 24-05-2019 at Seminar hall, DSCDS to create awareness among the interns at Dayananda Sagar College of Dental Sciences. Dr. Rayan Fernandes, Assistant Professor at St. John's Medical Informatics Department addressed all the interns about the various aspects of Health informatics and their role in Medicine and Dentistry. He also gave an insight about pursuing Master of Science in Health Informatics an active synchronous distance learning programme by Swansea University (UK).

A handwritten signature in green ink, consisting of a stylized 'H' followed by a long horizontal line and a small flourish at the end.

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Swansea University  
Prifysgol Abertawe  
Medical School  
Ysgol Feddygaeth

# MSc in Health Informatics

## Active Synchronous Distance Learning

By Swansea University (from the UK)  
Delivered in Bangalore, India

# Walk-in Open Day Session

Wed 29<sup>th</sup> May 2019  
10:00 am - 5:00 pm

Come and meet with representatives from Swansea University at  
St. John's Research Institute, Bangalore  
to find out more about the course at your convenience.

Applications are now open for the distance learning course starting in  
September 2019. This course will accept up to 10 students per intake/year.

## Don't miss out!

The all-day walk-in Open day sessions will be held at the  
Division of Medical Informatics, St. John's Research Institute,  
100 Feet Road, Opp. Koramangala BDA Complex, Bangalore - 560034.

Please reply via email to [s.y.h.lee@swansea.ac.uk](mailto:s.y.h.lee@swansea.ac.uk) to indicate your interest to





DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES  
Shavige Malleshwara Hills, Kumaraswamy Layout  
Bangalore 560 076

DSCDS/2019/

May 20, 2019

**CIRCULAR**

A career guidance program has been organized for the benefit of the Interns by Dr. Rayan Fernandes, Assistant Professor, St.Johns Medical Informatics Department giving a lecture on Health Informatics and Distance Learning by Swansea University (UK).

The program is compulsory for all interns. Heads of the departments are hereby requested to permit the students to attend the program.

Date: 24/05/2019

Time – 9:30am onwards

Venue – Seminar Hall, Dept. of Orthodontics

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Kumaraswamy Layout,  
Bangalore - 560 078.

# Dayanand Sagar college of Dental Sciences

To show dentists and international path to succeed

15-04-2019

SI No	Names	SI no	Names
1	Aditi Padmaraj Chinde	36	Krishnendu S
2	Anjali Raviraj Ballal	37	Lakshmi Masoodanan
3	Ashila Ghose	38	Manasa Gowthami Dullipalla
4	Ashmita Podder	39	Nethra Narayanan
5	Atul Raj	40	Nischal C G
6	Dileep Kumar	41	Nishmitha D Shetty
7	Elham Zarrin Chehr	42	Raveena Raveendran
8	Minerva Subba	43	Renuka Choudhary
9	Madhura S T	44	Mervin Harris T
10	Srikar Comandur	45	Reshma S
11	Supriya	46	Rosemaria P R
12	Swati Priya	47	Rujula J
13	Kaushik Kumar Borah	48	Rupshikha Sen
14	Faki Dilawara Hashim	49	Rydhm Khajuria
15	A B Arshana	50	Sanket Sachidanand Nayak
16	Adithyan P B	51	Satyam Kashyam
17	Aditi U A	52	Sera Mariyam Jinny
18	Aditya Kiran	53	Shantanu Kumar
19	Aiswarya R	54	Shantipriya P
20	Akash Francis	55	Sharanya P
21	Akshatha Y S	56	Shree Kumar Desai
22	Alyssa Maria Prince	57	Shree Ramya.R
23	Anil Kumar	58	Siddharth Venugopal
24	Anisha Yohannan	59	Sithar Chozom Lama
25	Anusha K V	60	Sneha P.K
26	Anusha Tyagi	61	Spandana
27	Asjadi Sheikh	62	Sreelakshmi.K
28	Aswathi S Nambiar	63	Srikar Gade
29	Bhawana Basnett	64	Teena Mariam Thomas
30	G Praveen Kumar	65	Vaibhavi R.
31	Gayathri R	66	Varun Narla
32	Haiqua Nasir		
33	Igam Doye		
34	J Shruthi		
35	Krishna Mohandas		

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Bangalore - 560 078.



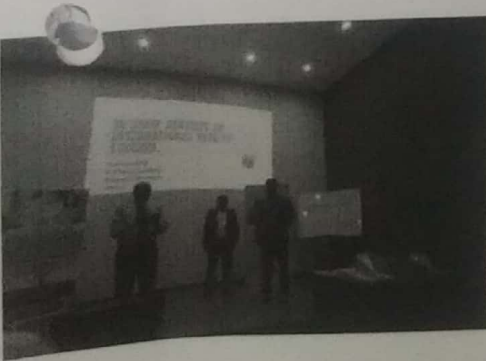
**Dayananda Sagar College of Dental Sciences  
Bangalore**

Knowledge is power is a phrase rightly put forth by Sir Francis Bacon. This is applicable in all aspects of life including the crucial decisions involving our career.

A program was held on the future aspects/options for fresh interns by the organization VIHA/TUTLE on the 15th April, 2019 at the AV auditorium in the General library. The program manager of TUTLE, Mr. R Vishnu Vardhan, commenced the talk and started by enlisting options of further education both in India and abroad. He laid out the pros and cons for both options and even guided how one can go about the decision making. The students were informed about their app which helps one to locate job opportunities in their nearby vicinity along with its eligibility criteria and pay scale. The app would enable fresh interns to make their first step into the sphere of clinical services.

Mr. Harish Kumar Raju the manager of VIHA, spoke about the services they provided for prospective students who opt to go abroad and went on to explain the different countries who accept Indian dental degrees and the necessary exams required to obtain licenses to practice and obtain further education. They help students with the visa procedures and make it simpler to get through the tedious process of moving to another country.

Overall the program was informative and crucial to the interns who are ready to take their next step in their career. It peddled practical possibilities and options available to the students clearing out a lot of misinformed notions and everybody in the audience was left with something to ponder upon.



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## DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

Shavige Malleshwara Hills, Kumaraswamy Layout

Bangalore 560 07

DSCDS/Internal/2018-19/23

April 3, 2019

### CIRCULAR

This is to bring to the notice of all the heads of the departments and staff that the interns are instructed to attend the lecture on e-based learning programme (regarding future career prospects after BDS) offered by Royal College of Surgeons (Faculty of Dentistry) titled "To show dentists an international path to succeed".

The objectives of the programme are -

1. To introduce you the golden standards of learning in dentistry
2. To show new pathways to succeed
3. To show National and International ~~career~~ benefits of the programme

Venue: AV Auditorium - Digital Library

Date: 15/04/2019

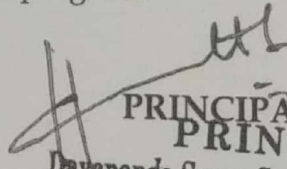
Time: 1:45pm to 3:00pm

Staff incharge for the program - Dr. Mayank Jaiswal, Sr. Lecturer of Oral Surgery

The program is compulsory for **all interns** and the Heads of the departments are hereby requested to permit the students to attend the program.

Copy to;

1. All Clinical Departments, Interns
2. Office copy

  
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Bangalore - 560 078.

**OPPORTUNITY FOR SOCIAL COHESION, DEVELOPING CULTURAL AND  
SPORTIVE SPIRIT AND LEARNING LIFE SKILLS**



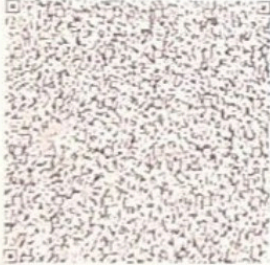


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### ಒಪ್ಪಂದದ ಕರಾರು ಪತ್ರ

ಬೆಂಗಳೂರು ನಗರ ಜಿಲ್ಲೆ ಬಸವನಗುಡಿ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರ, ವಾರ್ಡ್ ನಂ.154 ಎಸ್.ಆರ್.ಕಾಲೋನಿ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಆರೋಗ್ಯ ವೈದ್ಯಕೀಯ ಇಲಾಖೆ ವ್ಯಾಪ್ತಿಯ ಎಸ್.ಆರ್.ಕಾಲೋನಿ ಪರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಮೊದಲನೇ ಮಹಡಿ ಒಂದು ಕೋಠಿಯಲ್ಲಿ ಡೆಂಬಲ್ ಕ್ಲಿನಿಕ್‌ನ್ನು ಪ್ರಾರಂಭಿಸಿ, ವಾರದಲ್ಲಿ 6 ದಿನ ಬೆಳಿಗ್ಗೆ 10 ರಿಂದ ಮಧ್ಯಾಹ್ನ 1 ಗಂಟೆಯವರೆಗೆ ಸಾರ್ವಜನಿಕರಿಗೆ ಸಂಪೂರ್ಣ ಉಚಿತವಾಗಿ ದಂತಚಿಕಿತ್ಸೆ ಸೇವಾಸೌಲಭ್ಯವನ್ನು ನೀಡಲು ಆಯುಕ್ತರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಹಾಗೂ ದಯಾನಂದಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು, ಇವರ ಜಂಟಿ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ಸಾರ್ವಜನಿಕರಿಗೆ ಉತ್ತಮ ಸೇವೆ ನೀಡಲು ಎರಡು ವರ್ಷದ ಅವಧಿಗೆ ಒಪ್ಪಂದದ ಒಪ್ಪಿಗೆ ಪತ್ರ ಪಡೆಯಲಾಗಿದೆ. "ಆಯುಕ್ತರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಇವರನ್ನು ಮೊದಲನೇ ಪಕ್ಷದವರು" ಎಂದು ಕರೆಯಲಾಗಿದೆ. "ಪ್ರಾಂಶುಪಾಲರು, ಡಯಾನಂದಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆ ರವರನ್ನು ಎರಡನೆಯ ಪಕ್ಷದವರು" ಎಂದು ಕರೆಯಲಾಗಿದೆ ಹಾಗೂ ಅದರಂತೆ ಮಾರ್ಚ್ 2019 ರ ಅವಧಿಯವರೆಗೆ ಈ ಒಪ್ಪಂದದ 2 ಪಕ್ಷದವರು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ನೀಡಲು ಒಪ್ಪಿರುತ್ತಾರೆ.

#### Statutory Alert

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*[Signature]*  
**PRINCIPAL**  
 Dayananda Sagar College of Dental Sciences  
 Kumaraswamy Layout,  
 Bangalore - 560 078



(ಮೊದಲನೆಯ ಪಕ್ಷದಾರರು)

ಬೃ.ಬಿಂ.ಮ.ಪಾಲಿಕೆಯು, ಮೊದಲನೇ ಪಕ್ಷದಾರರಾಗಿದ್ದು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ಒದಗಿಸಬೇಕಾಗಿರುತ್ತದೆ:

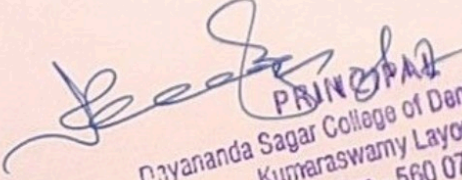
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಒಂದು ಉನ್ನತ ದರ್ಜೆಯ ದಂತ ವೈದ್ಯಕೀಯ ಚಿಕಿತ್ಸಾ ಕೇಂದ್ರದಲ್ಲಿ ಸೇವೆಗಳನ್ನು ಮುಂದುವರೆಸಲು ಅವಶ್ಯಕವಾದ ಆಸ್ಪತ್ರೆಯ ಮೊದಲನೇ ಮಹಡಿ ಒಂದು ಕೊಠಡಿ, ವಿದ್ಯುಚ್ಛಕ್ತಿ, ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆಯನ್ನು ನಗರ ಪಾಲಿಕೆ ವತಿಯಿಂದ ಒದಗಿಸಬೇಕಾಗಿರುತ್ತದೆ.

1. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಪ್ರಸ್ತುತ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಕಟ್ಟಡದ ಒಂದು ಕೊಠಡಿಯನ್ನು ದಂತ ಚಿಕಿತ್ಸೆ ಕ್ಲಿನಿಕ್ ನಡೆಸಲು ಒದಗಿಸಲಾಗುತ್ತದೆ.
2. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಗೆ ಪಾಲಿಕೆಯ ಖಾಯಂ ಸಿಬ್ಬಂದಿ ವರ್ಗದ ನಾಲ್ಕನೇ ದರ್ಜೆ ಬಬ್ಬ ನೌಕರರನ್ನು ಸೇವೆಗಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
3. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ದಂತ ಚಿಕಿತ್ಸೆ ಕ್ಲಿನಿಕ್ ಕೊಠಡಿಗೆ ವಿದ್ಯುಚ್ಛಕ್ತಿ, ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ ಒದಗಿಸಲಾಗುತ್ತದೆ.
4. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ದಂತಚಿಕಿತ್ಸಾಲಯದಲ್ಲಿ ಒದಗಿಸುವ ಎಲ್ಲಾ ಸೇವೆಗಳು ಉಚಿತವಾಗಿರುತ್ತವೆ.
5. ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಸೇವಾ ಶುಲ್ಕದ ಹಣವನ್ನು ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲು ಬರುವುದಿಲ್ಲ. ಅದಕ್ಕಾಗಿ ಪ್ರತ್ಯೇಕ ಮಾರ್ಗಸೂಚಿಗಳನ್ನು ನೀಡಲಾಗಿರುತ್ತದೆ.

(ಎರಡನೆಯ ಪಕ್ಷದಾರರು)

ಈ ಒಪ್ಪಂದದ ಎರಡನೇ ಪಕ್ಷದಾರರಾದ ದಯಾನಂದಸಾಗರ ದಂತಮಹಾವಿದ್ಯಾಲಯ ಸಂಸ್ಥೆಯು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ಒದಗಿಸಲು ಒಪ್ಪಿರುತ್ತಾರೆ. (ಮಾರ್ಚ್ 2019 ರ ಅವಧಿಯವರೆಗೆ)

1. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಪ್ರಸ್ತುತ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಗೆ ದಂತ ಚಿಕಿತ್ಸೆಗಾಗಿ ಬರುವ ಸಾರ್ವಜನಿಕರಿಗೆ ಸಂಪೂರ್ಣ ಉಚಿತವಾಗಿ ಸೇವೆ ಒದಗಿಸಲು ಕನಿಷ್ಠ 3 ವರ್ಷಗಳ ಅನುಭವವುಳ್ಳ ನುರಿತ ದಂತ ವೈದ್ಯರು ಹಾಗೂ ಸಹಾಯಕ ದಂತ ವೈದ್ಯರ ಸೇವೆಯನ್ನು ಉಚಿತವಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
2. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಗೆ ಡೆಂಟಲ್ ಚಿಕಿತ್ಸೆಗಾಗಿ ಬೇಕಾಗುವ ಆಕ್ಸೆಸರಿಸ್ ಹಾಗೂ ಇತರೇ ಪ್ರಮುಖ ಸಲಕರಣೆಗಳನ್ನು ಉಚಿತವಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
3. ಹಲ್ಲುಗಳನ್ನು ಲೋಕಲ್ ಅನೆಸ್ಟೀಶಿಯಾದಲ್ಲಿ ತೆಗೆಯುವುದು.
4. ಹುಳುಕು ಹಲ್ಲುಗಳ ರಂಧ್ರಗಳನ್ನು ಮುಚ್ಚಲು ಸಿಲ್ವರ್ ಅಮಾಲ್ಗಮ್, ಜಿಂಕ್ ಆಕ್ಸೈಡ್ ಮತ್ತು ಗ್ಲಾಸ್‌ಲೋನೋಮಾರ್‌ನಲ್ಲಿ ತುಂಬುವುದು.
5. RPD (Removable Partial Denture)
6. ರೂಟ್ ಕೆನಾಲ್ ಟ್ರೀಟ್‌ಮೆಂಟ್ ಹಾಗೂ ಇತರೇ ಚಿಕಿತ್ಸೆಗಳನ್ನು ದಯಾನಂದಸಾಗರ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ 25% ರಿಯಾಯಿತಿಯಲ್ಲಿ ಒದಗಿಸಲಾಗುವುದು.
8. ಮಾರ್ಚ್ 2019ರ ಅವಧಿಗೆ, ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಈ ಉಚಿತ ದಂತ ಚಿಕಿತ್ಸಾಲಯದಲ್ಲಿ ಸೇವೆ ಪಡೆಯುವ ಸಾರ್ವಜನಿಕರಿಗೆ ಉಚಿತವಾಗಿ ಔಷಧಿಗಳನ್ನು ವಿತರಿಸುವುದರ ಜೊತೆಗೆ ಚಿಕಿತ್ಸಾಲಯಕ್ಕೆ ಅವಶ್ಯವಿರುವ ಸಾಧನ ಸಾಮಗ್ರಿಗಳನ್ನು ಉಚಿತವಾಗಿ "ದಯಾನಂದಸಾಗರ ದಂತಮಹಾವಿದ್ಯಾಲಯ" ಸಂಸ್ಥೆಯ ವತಿಯಿಂದಲೇ ಒದಗಿಸಲಾಗುತ್ತದೆ.

  
PRINIPA  
D. Anananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.



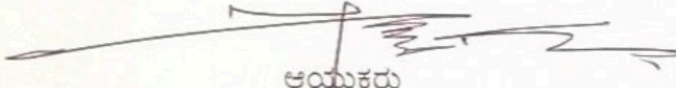


ಚU/3:

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಆರೋಗ್ಯ ವೈದ್ಯಕೀಯ ಇಲಾಖೆ ವ್ಯಾಪ್ತಿಯ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಮೊದಲನೆ ಮಹಡಿಯ ಒಂದು ಕೊಠಡಿಯಲ್ಲಿ ಡೆಂಟಲ್ ಕ್ಲಿನಿಕ್‌ನ್ನು ಈ ಪ್ರದೇಶದ ಸಾರ್ವಜನಿಕರಿಗಾಗಿ ಸೇವೆಯನ್ನು ನೀಡುವ ಸಂಬಂಧ ಖಾಸಗಿ ಸಂಸ್ಥೆಯಾದ "ಪ್ರಾಂಶುಪಾಲರು, ದಯಾನಂದಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು" ರವರು 01/03/2017 ರಿಂದ 31/03/2019 ರ ಅವಧಿಯವರೆಗೆ ಸೇವೆಗಳನ್ನು ನೀಡಲು ಒಪ್ಪಿಗೆ ನೀಡಿದ್ದು, ಈ ಸಂಸ್ಥೆಯೊಂದಿಗೆ ಒಡಂಬಡಿಕೆಯನ್ನು ಪಾಲಿಕೆಯು ರೂ.200 ಮೌಲ್ಯದ ಕರಾರು ಪತ್ರದಲ್ಲಿ ಮಾಡಿಕೊಳ್ಳಬೇಕಾಗುತ್ತದೆ. ಯಾವುದೇ ಸಮಯದಲ್ಲಿ ಸದರಿ ಒಡಂಬಡಿಕೆಯನ್ನು ರದ್ದುಪಡಿಸುವ ಅಧಿಕಾರವನ್ನು ಬಿಬಿಎಂಪಿ ಕಾಯ್ದಿರಿಸಿಕೊಳ್ಳಲಾಗುತ್ತದೆ ಎಂಬ ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ಸ್ಥಾಯಿ ಸಮಿತಿಯ ನಿರ್ಣಯದಂತೆ ಷರತ್ತನ್ನು ಮುಂದುವರಿಸಲಾಗಿದೆ.

ಈ ಒಡಂಬಡಿಕೆಯು ಮಾರ್ಚ್ 2019 ರ ಅವಧಿಯವರೆಗೆ ಸೀಮಿತವಾಗಿರುತ್ತದೆ.

ಮೊದಲನೆಯ ಪಕ್ಷದಾರರು ಹಾಗೂ ಎರಡನೆಯ ಪಕ್ಷದಾರರು ಈ ಕೆಳಗೆ ನಮೂದಿಸಿರುವ ಸಾಕ್ಷಿಗಳ ಸಮ್ಮುಖದಲ್ಲಿ ಒಪ್ಪಿ ರುಜು ಮಾಡಿರುತ್ತಾರೆ.

  
ಆಯುಕ್ತರು  
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ  
(ಮೊದಲನೆಯ ಪಕ್ಷದಾರರು)

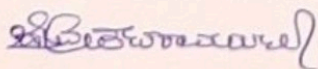
  
ಪ್ರಾಂಶುಪಾಲರು 11/3/17

ದಯಾನಂದ ಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು  
(ಎರಡನೆಯ ಪಕ್ಷದಾರರು)

**PRINCIPAL**

ಸಾಕ್ಷಿಗಳು: Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

1. Dr. NITHIN N. CHASKUR  
Nithin N. Chaskur  
11/3/17.

2.   
11/3/17





सत्यमेव जयते

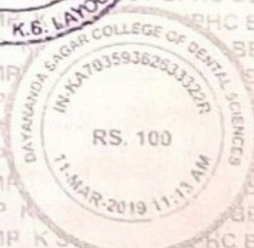
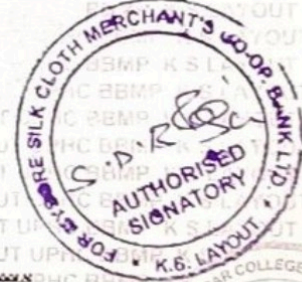
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ಒಪ್ಪಂದದ ಕರಾರು ಈ ಕೆಳಕಂಡಂತೆ ಇರುತ್ತದೆ.

ಬೆಂಗಳೂರು ನಗರ ಜಿಲ್ಲೆ, ಪದ್ಮನಾಭನಗರ ವಿಧಾನಸಭಾ ಕ್ಷೇತ್ರದ ವಾರ್ಡ್ ನಂ.181, ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಆರೋಗ್ಯ ಇಲಾಖೆ ವ್ಯಾಪ್ತಿಯ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದಲ್ಲಿ ಒಂದು ಕೂಠಡಿಯಲ್ಲಿ ಡೆಂಟಲ್ ಕ್ಲಿನಿಕ್‌ನ್ನು ಪ್ರಾರಂಭಿಸಿ, ವಾರದಲ್ಲಿ 5 ದಿನ ಬೆಳಿಗ್ಗೆ 10 ರಿಂದ ಮಧ್ಯಾಹ್ನ 1 ಗಂಟೆಯವರೆಗೆ ಸಾರ್ವಜನಿಕರಿಗೆ ಸಂಪೂರ್ಣ ಉಚಿತವಾಗಿ ದಂತ ಚಿಕಿತ್ಸೆ ಸೇವಾ ಸೌಲಭ್ಯವನ್ನು ನೀಡಲು ಇಚ್ಛಿಸುತ್ತಾರೆ.

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Statutory Alert:  
 1. The authenticity of the Stamp Certificate should be available on the website [www.shcilestamp.com](http://www.shcilestamp.com). Any discrepancy in the details on this Certificate and as  
 2. The onus of checking the legitimacy is on the purchaser of the Certificate.  
 3. In case of any discrepancy, please inform the Competent Authority.



ಆಯುಕ್ತರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಹಾಗೂ ದಯಾನಂದ ಸಾಗರ್ ದಂತ ಮಹಾವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು ಇವರ ಜಂಟಿ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ಸಾರ್ವಜನಿಕರಿಗೆ ಉತ್ತಮ ಸೇವೆ ನೀಡುವುದೆಂದು ಒಪ್ಪಂದಕ್ಕೆ ಒಪ್ಪಿದ್ದಾರೆ. "ಆಯುಕ್ತರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಇವರನ್ನು ಮೊದಲನೇ ಪಕ್ಷದಾರರು ಎಂದು ಕರೆಯಲಾಗಿದೆ". ಪ್ರಾಂಶುಪಾಲರು, ದಯಾನಂದ ಸಾಗರ್ ದಂತ ಮಹಾವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರನ್ನು ಎರಡನೇ ಪಕ್ಷದಾರರು ಎಂದು ಕರೆಯಲಾಗಿದೆ ಹಾಗೂ ಅದರಂತೆ ಈ ಒಪ್ಪಂದದ 2 ಪಕ್ಷದಾರರು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ನೀಡಲು ಒಪ್ಪಿರುತ್ತಾರೆ (2 ವರ್ಷದ ಅವಧಿಗೆ).

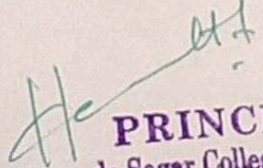
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯು ಮೊದಲನೆಯ ಪಕ್ಷದಾರರಾಗಿದ್ದು, ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ಒದಗಿಸಬೇಕಾಗಿರುತ್ತದೆ.

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದಲ್ಲಿ ಒಂದು ಉನ್ನತ ದರ್ಜೆಯ ದಂತ ವೈದ್ಯಕೀಯ ಚಿಕಿತ್ಸಾ ಕೇಂದ್ರದಲ್ಲಿ ಸೇವೆಗಳನ್ನು ಮುಂದುವರಿಸಲು ಅವಶ್ಯಕವಾದ ಆಸ್ಪತ್ರೆಯ ಕಟ್ಟಡದ ಒಂದು ಕೊಠಡಿ ಹಾಗೂ ವಿದ್ಯುಚ್ಛಕ್ತಿ, ನೀರು ಸರಬರಾಜು ಹಾಗೂ ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆಯನ್ನು ನಗರ ಪಾಲಿಕೆ ವತಿಯಿಂದ ಒದಗಿಸಬೇಕಾಗುತ್ತದೆ.

1. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಪ್ರಸ್ತುತ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದ ಒಂದು ಕೊಠಡಿಯಲ್ಲಿ ದಂತ ಚಿಕಿತ್ಸೆ ಕ್ಲಿನಿಕ್ ನಡೆಸಲು ಒದಗಿಸಲಾಗುತ್ತದೆ.
2. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರಕ್ಕೆ ಪಾಲಿಕೆಯ ಖಾಯಂ ಸಿಬ್ಬಂದಿ ವರ್ಗದ ನಾಲ್ಕನೇ ದರ್ಜೆ ಒಬ್ಬ ನೌಕರರನ್ನು ಸೇವೆಗಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
3. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದ ದಂತ ಚಿಕಿತ್ಸೆ ಕ್ಲಿನಿಕ್ ಕೊಠಡಿಗೆ ವಿದ್ಯುಚ್ಛಕ್ತಿ, ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ ಒದಗಿಸಲಾಗುತ್ತದೆ.
4. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರ ದಂತ ಚಿಕಿತ್ಸಾಲಯದಲ್ಲಿ ಒದಗಿಸುವ ಎಲ್ಲಾ ಸೇವೆಗಳೂ ಉಚಿತವಾಗಿರುತ್ತದೆ.
5. ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದ ಸೇವಾ ಶುಲ್ಕದ ಹಣವನ್ನು ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲು ಬರುವುದಿಲ್ಲ. ಅದಕ್ಕಾಗಿ ಪ್ರತ್ಯೇಕ ಮಾರ್ಗಸೂಚಿಗಳನ್ನು ನೀಡಲಾಗಿರುತ್ತದೆ.

ಈ ಒಪ್ಪಂದದ ಎರಡನೇ ಪಕ್ಷದಾರರಾದ ದಯಾನಂದ ಸಾಗರ್ ದಂತ ಮಹಾವಿದ್ಯಾಲಯದ ಸಂಸ್ಥೆಯು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ಒದಗಿಸಲು ಒಪ್ಪಿರುತ್ತಾರೆ.

1. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಪ್ರಸ್ತುತ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರಕ್ಕೆ ದಂತ ಚಿಕಿತ್ಸೆಗಾಗಿ ಬರುವ ಸಾರ್ವಜನಿಕರಿಗೆ ಸಂಪೂರ್ಣ ಉಚಿತವಾಗಿ ಸೇವೆ ಒದಗಿಸಲು ದಂತ ವೈದ್ಯರು ಹಾಗೂ ಸಹಾಯಕ ದಂತ ವೈದ್ಯರ ಸೇವೆಯನ್ನು ಉಚಿತವಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.

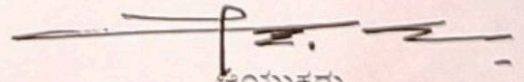
  
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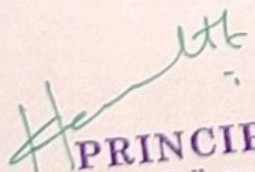


2. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರಕ್ಕೆ ಡೆಂಟಲ್ ಚಿಕಿತ್ಸೆಗಾಗಿ ಬೇಕಾಗುವ ಆಕ್ಸ್‌ಸೆಸ್ ಹಾಗೂ ಇತರೇ ಪ್ರಮುಖ ಸಲಕರಣೆಗಳನ್ನು ಉಚಿತವಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
3. ಹಲ್ಲುಗಳನ್ನು ಲೋಕಲ್ ಅನೇಸ್ಥಿಯದಲ್ಲಿ ತೆಗೆಯುವುದು.
4. ಹುಳುಕು ಹಲ್ಲುಗಳ ರಂಧ್ರಗಳನ್ನು ಮುಚ್ಚಲು ಸಿಲ್ವರ್ ಅಮಾಲ್ಗಮ್, ಜಿಂಕ್ ಆಕ್ಸೈಡ್ ಮತ್ತು ಗ್ಲಾಸ್ ಐಯೋನೋಮರ್ ತುಂಬುವುದು.
5. ತೆಗೆದು ಪುನಃ ಹಾಕಲು ಆಗುವ ಭಾಗಶಃ ದಂತ ಪಂಕ್ತಿಗಳು (ಆರ್‌ಪಿಡಿ)
6. ರೂಟ್ ಕೆನಾಲ್ ಟ್ರೀಟ್‌ಮೆಂಟ್ ಹಾಗೂ ಇತರೇ ಚಿಕಿತ್ಸೆಗಳನ್ನು ದಯಾನಂದ ಸಾಗರ್ ದಂತ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ರಿಯಾಯಿತಿ ದರದಲ್ಲಿ ಒದಗಿಸುವುದು.
7. ಒಪ್ಪಂದದ ಅವಧಿಯಲ್ಲಿ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದ ಈ ಉಚಿತ ದಂತ ಚಿಕಿತ್ಸಾಲಯದಲ್ಲಿ ಸೇವೆ ಪಡೆಯುವ ಸಾರ್ವಜನಿಕರ ಚಿಕಿತ್ಸೆಗೆ ಸಾಧನ ಸಾಮಗ್ರಿಗಳನ್ನು ಉಚಿತವಾಗಿ "ದಯಾನಂದ ಸಾಗರ್ ದಂತ ಮಹಾವಿದ್ಯಾಲಯ" ಸಂಸ್ಥೆಯ ವತಿಯಿಂದ ಒದಗಿಸಲಾಗುತ್ತದೆ.

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಆರೋಗ್ಯ ಇಲಾಖೆಯ ವ್ಯಾಪ್ತಿಯ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಆರೋಗ್ಯ ಕೇಂದ್ರ ಕಟ್ಟಡದ ಒಂದು ಕೊಠಡಿಯಲ್ಲಿ ಡೆಂಟಲ್ ಕ್ಲಿನಿಕ್‌ನ್ನು ಈ ಪ್ರದೇಶದ ಸಾರ್ವಜನಿಕರಿಗಾಗಿ ಸೇವೆಯನ್ನು ನೀಡುವ ಸಂಬಂಧ ಖಾಸಗಿ ಸಂಸ್ಥೆಯಾದ ಪ್ರಾಂಶುಪಾಲರು. ದಯಾನಂದ ಸಾಗರ್ ದಂತ ಮಹಾವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು ಸೇವೆಗಳನ್ನು ಮುಂದುವರೆಸಲು ಒಪ್ಪಿಗೆ ನೀಡಿದ್ದು ಈ ಸಂಸ್ಥೆಯೊಂದಿಗೆ ಒಡಂಬಡಿಕೆಯನ್ನು ಪಾಲಿಕೆಯು ರೂ.100/- ಮೌಲ್ಯದ ಕರಾರು ಪತ್ರದಲ್ಲಿ ಮಾಡಿಕೊಳ್ಳಬೇಕಾಗುತ್ತದೆ. ಯಾವುದೇ ಸಮಯದಲ್ಲಿ ಸದರಿ ಒಡಂಬಡಿಕೆಯನ್ನು ರದ್ದು ಪಡಿಸುವ ಅಧಿಕಾರವನ್ನು ಬಿಬಿಎಂಪಿ ಕಾಯ್ದಿರಿಸಿಕೊಳ್ಳಲಾಗುತ್ತದೆ ಎಂಬ ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ಸ್ಥಾಯಿ ಸಮಿತಿಯ ನಿರ್ಣಯದಂತೆ ಷರತ್ತು ಮುಂದುವರೆಸಲಾಗಿದೆ.

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ವಾರ್ಡ್ ನಂ.181ರಲ್ಲಿ ಕಾರ್ಯ ನಿರ್ವಹಿಸುತ್ತಿರುವ ಕುಮಾರಸ್ವಾಮಿ ಬಡಾವಣೆಯ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದಲ್ಲಿ ಖಾಸಗಿ ಸಂಸ್ಥೆಯಾದ ದಯಾನಂದ ಸಾಗರ್ ದಂತ ಮಹಾವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರೊಂದಿಗೆ ಜಂಟಿ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ದಿ: 01.04.2017 ರಿಂದ ವಾರದಲ್ಲಿ 5 ದಿನ ಉಚಿತ ದಂತ ಚಿಕಿತ್ಸಾಲಯವನ್ನು ಪ್ರಾರಂಭಿಸಿದ್ದು ಈ ಉಚಿತ ದಂತ ಚಿಕಿತ್ಸಾಲಯದ ಸೇವೆಗಳನ್ನು ಮುಂದುವರೆಸಲು ಒಪ್ಪಿಗೆ ಸೂಚಿಸಿ, ಪತ್ರವನ್ನು ಸಲ್ಲಿಸಿರುವ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸದರಿ ಖಾಸಗಿ ಸಂಸ್ಥೆಯೊಂದಿಗೆ ಪಾಲಿಕೆಯು ಒಡಂಬಡಿಕೆ ಮಾಡಿಕೊಳ್ಳಲು ಇಚ್ಛಿಸಿದ್ದು, ಸಾರ್ವಜನಿಕರ ಆರೋಗ್ಯ ಸ್ಥಾಯಿ ಸಮಿತಿಯ ಸೂಕ್ತ ನಿರ್ಣಯಕ್ಕಾಗಿ ಟಿಪ್ಪಣಿಯನ್ನು ಮಂಡಿಸಲಾಗಿದೆ.

  
ಆಯುಕ್ತರು  
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

  
**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.





# ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

ಟಿಪ್ಪಣಿ ಹಾಳೆ

MohSowt Pnn 704/2021-2

ವಿಷಯ ಕುಮಾರಶ್ವಾಮಿ ಬದಾವಣ್ ಆರೋಗ್ಯ ಪುಟದ ಸಂಖ್ಯೆ 01

ಕೊಡ್ಡುಮಲ್ಲೆ Dental Clinic M.O.U. Extend ಕಡತದ ಸಂಖ್ಯೆ 01

ಪಂಕ್ತಿಯ ಸಂಖ್ಯೆ ಮಾಡಿಕೊಡುವ ವಾಗ್ಯ ಟಿಪ್ಪಣಿಗಳು ಮತ್ತು ಅರ್ಜಿಗಳು ದಿ : 10.03.2022

ಮಾನ್ಯರೇ,

1)

ಮೊಟ್ಟುಂಡೆ ಆರೋಗ್ಯ ತಂಪಂಧಿ ತದಂತೆ ಕುಮಾರಶ್ವಾಮಿ ಬದಾವಣ್ ಆರೋಗ್ಯ ಕೊಡ್ಡುಮಲ್ಲೆ ದಯಾನಂದ ನಾಗರ ದಂತ ಆಧ್ಯಾಲಯದಿಂದ Dental Clinic ಪ್ರಾರಂಭವಾಗಿದ್ದು, ಗೌಂ 31/03/2021 ಕ್ಕೆ ಮುಕ್ತಾಯ ಗೊಂಡಿರುತ್ತದೆ. Covid-19 ಇದ್ದು ಶರಣ, ಅಪಣ್ ಗೌಂ Renewal ಮಾಡಿಕೊಳ್ಳಲು ಸಾಧ್ಯವಾಗಿರಲಿಲ್ಲ.

2)

ಜಾಗಾಗಿ ಈಗ ಅಪರು ಗೌಂ ಅನ್ನು ಅಸ್ತಕೊಂಡಿಕೊಳ್ಳಲು ನಮಗೆ ತತ್ರ ಆಡಿರುತ್ತಾರೆ. ಈ ಅಪ್ಪಯವಾಗಿ ನಿಮ್ಮ ಅನುಮತಿಗಾಗಿ ಜಾಗ ಯುಂಡಿನ ಕ್ರಮಶ್ಯಾಗಿ ಶಡತವನ್ನು ಮಂಡಿಸುತ್ತಿದ್ದೆವೆ. ಇದರ ಜೊತೆ ಜೊತೆ ಗೌಂ ಲಗತ್ತಿಸುತ್ತಿದ್ದೆವೆ.

ಧನ್ಯವಾದಗಳೊಂದಿಗೆ

ತಮ್ಮ ಅಶ್ಯಾ

H. S. ...  
ಆರೋಗ್ಯ ವ್ಯವಸ್ಥಾಪಕ  
ಮಹಾನಗರ ಪಾಲಿಕೆ

1



170 South

Manager

Please print & fill in

ಸಂಖ್ಯೆ 2008/21-22  
ದಿನಾಂಕ 11/3/22  
ಆ.ಅ. (ದಕ್ಷಿಣ)

ವಲಯ ಆರೋಗ್ಯಾಧಿಕಾರಿ (ದಕ್ಷಿಣ)  
ಬಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

4)

ಕಂಡಿಕೆ (1) & (2)ರ ವರದಿಯನ್ನು ಪರಿಶೀಲಿಸಲಾಯಿತು. ದಯಾನಂದ ಸಾಗರ್ ಕಾಲೇಜ್ ಆಫ್ ಡೆಂಟಲ್ ಸೈನ್ಸಸ್, ಕುಮಾರಸ್ವಾಮಿ ಲೇಔಟ್, ಬೆಂಗಳೂರು. ರವರು ದಿನಾಂಕ : 11/03/2019ರಲ್ಲಿ ಮಾನ್ಯ ಆಯುಕ್ತರು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರೊಂದಿಗೆ ಮಾಡಿಕೊಂಡಿರುವ ಒಪ್ಪಂದದ ಕರಾರು ಪತ್ರದಲ್ಲಿ ನಮೂದಿಸಲಾಗಿರುವ ಷರತ್ತುಗಳನ್ನು ಅನುಸರಿಸುವಂತೆ ಸೂಚಿಸುತ್ತಾ, ಮುಂದಿನ 2 ವರ್ಷಗಳಿಗೆ ಸೀಮಿತಗೊಳಿಸಿ ನವೀಕರಣ ಒಡಂಬಡಿಕೆ ಮಾಡಿಕೊಳ್ಳಬಹುದಾಗಿರುತ್ತದೆ.

5)

ಆದುದರಿಂದ ದಯಾನಂದ ಸಾಗರ್ ಕಾಲೇಜ್ ಆಫ್ ಡೆಂಟಲ್ ಸೈನ್ಸಸ್, ಕುಮಾರಸ್ವಾಮಿ ಲೇಔಟ್, ಬೆಂಗಳೂರು. ರವರಿಂದ ರೂ.100/-ಗಳ ಕರಾರು ಪತ್ರದಲ್ಲಿ ನವೀಕರಣ ಒಡಂಬಡಿಕೆ ಪತ್ರವನ್ನು ಪಡೆದು ಸಲ್ಲಿಸಲು ಸೂಚಿಸುತ್ತಾ, ಕಡತ ಹಿಂದಿರುಗಿಸಿದೆ.

ವಲಯ ಆರೋಗ್ಯಾಧಿಕಾರಿ (ದಕ್ಷಿಣ)  
ಬಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

6)

ಆರೋಗ್ಯ ವೈದ್ಯಾಧಿಕಾರಿ  
ಪದ್ಮನಾಭನಗರ ವಲಯ

EC

Hegurach  
11/04/2022





Dayananda Sagar College of Dental Sciences,  
Kumaraswamy Layout, Bangalore- 78.  
Department of Public Health Dentistry

Ref. No.: PHD/ BLU/2022/30

Date: 10/03/2022

To,  
The Health Officer,  
BBMP, Bangalore South,  
Bangalore.

Respected Sir,

***Sub: Renewal of Memorandum of Understanding***

With respect to the above subject, I would like to bring to your kind notice that Dayananda Sagar College of Dental Sciences has established a satellite dental clinic at UPHC, Kumaraswamy Layout and have been rendering dental services since 01/04/2017 as per Memorandum of understanding with Bruhath Bengaluru Mahanagara Palike. The existing MOU has expired on 31<sup>st</sup> of March 2021. Due to covid 19 pandemic we were unable to renew the MoU, However we have been part of the covid 19 vaccination activities of the PHC till date and have been posting our interns and post graduate students to the UPHC Kumaraswamy Layout everyday. I request you to renew our existing MoU from 01/04/2021 for another 5 years. Kindly do the needful and oblige.

Thanking You.

Yours Sincerely,

**Professor & HOD**

Department of Public Health Dentistry  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078  
PS: Copy of the previous MoU





**Dayananda Sagar College of Dental Sciences,**  
Kumarswamy Layout, Bangalore- 78.

**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**

Ref. No.: 46/ PHD/ BLU/2012

Date: 30/11/2012

To,

The Head Mistress  
Dayananda Sagar Kannada Primary and High Schools  
Chandranagar,  
Bangalore- 78.

Through,  
The Principal,  
DSCDS,  
Bangalore.

Madam,

***Sub: Adoption of School for Comprehensive Dental Care***

We are very glad to inform you that the Dayananda Sagar College of Dental Sciences, Department of Public Health Dentistry is keen on adopting your esteemed school and provide the students with comprehensive dental care so that the oral disease burden can be reduced. Kindly permit us to do so.

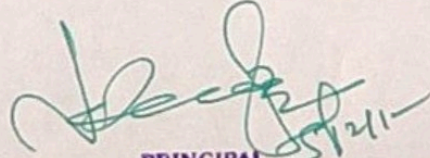
Thanking you.


Yours Sincerely,

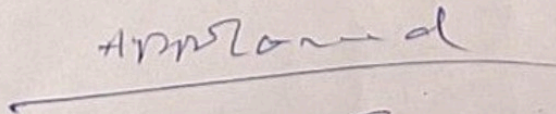
(Dr. Gopi Krishna. V.)

Prof. & H. O. D

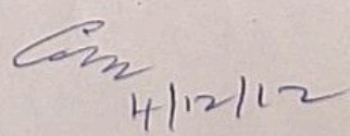
Cc: Secretary  
DSI

  
PRINCIPAL  
Dayananda Sagar College of Dental Sciences  
Kumarswamy Layout  
BANGALORE - 560 078

  
DR. GOPI KRISHNA V  
Professor and H.O.D  
Department of Public Health Dentistry  
Dayananda Sagar College of Dental Sciences  
Kumarswamy Layout, Bangalore- 560078

  
Sushree B.P

ಮುಖ್ಯಸ್ಥಾಧ್ಯಾಯಿ  
ದಯಾನಂದ ಕನ್ನಡ ಪ್ರೌಢ ಶಾಲೆ  
ಚಂದ್ರನಗರ, ಕುಮಾರಸ್ವಾಮಿ ಬಜಾರ್,  
ಬೆಂಗಳೂರು-560078.

  
Renuka Devi S.V.  
ಮುಖ್ಯ ಶಿಕ್ಷಕರು  
ದಯಾನಂದ ಕನ್ನಡ ಪ್ರೌಢ  
ಶಾಲೆ, ಕುಮಾರಸ್ವಾಮಿ ಬಜಾರ್,  
ಬೆಂಗಳೂರು-560078.





**Dayananda Sagar College of Dental Sciences,**  
Kumarswamy Layout, Bangalore- 78.

**DEPARTMENT OF PUBLIC HEALTH DENTISTRY**

Ref. No.: 47/ PHD/ BLU/2012

Date: 30/11/2012

To,

The Principal/ Headmaster,  
Dayananda Sagar English Primary and High Schools  
YV Annaiah Road, Yelachenahalli  
Bangalore.

Through,

The Principal,  
DSCDS,  
Bangalore.

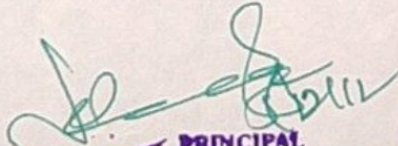
Madam,

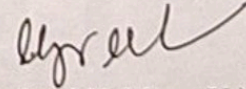
***Sub: Adoption of School for Comprehensive Dental Care***

We are very glad to inform you that the Dayananda Sagar College of Dental Sciences, Department of Public Health Dentistry is keen on adopting your esteemed school and provide the students with comprehensive dental care so that the oral disease burden can be reduced. Kindly permit us to do so.

Thanking you.

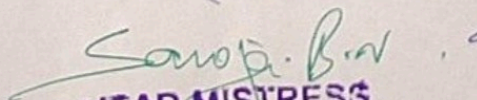
Yours Sincerely,

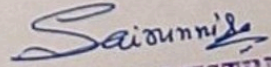
  
**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumarswamy Layout  
BANGALORE - 560 078

  
(Dr. Gopi Krishna. V.)  
Prof. & H. O. D

Cc: Secretary  
DSI

DR. GOPI KRISHNA V  
Professor and H.O.D  
Department of Public Health Dentistry  
Dayananda Sagar College of Dental Sciences  
Kumarswamy Layout, Bangalore- 560078

  
**HEAD MISTRESS**  
Dayananda Sagar English High School  
# 3/3/1, Annaiah Road, Yelachenahalli,  
Kanakapura Road, Bangalore 560 078

  
**HEAD MISTRESS**  
Dayananda English Primary School  
3/3/1, Annaiah Road, Yelachenahalli,  
Kanakapura Road, Bangalore-560078.

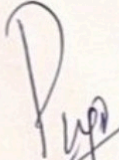


7<sup>th</sup> March 2022,  
Bengaluru,

### Letter of Appreciation

The students and Interns of Dayananda Sagar College of Dental Sciences, Bengaluru are actively participating in the COVID 19 Vaccination program since its inception in May 2021. They are involved in the registration, surveillance and vaccination delivery of the general population of this area. I appreciate their work and efforts wholeheartedly.

Dr. Hunse Prajna,  
Specialist,  
Medical officer,  
UPHC, Kumarswamy Layout,  
Bangalore- 560078.

  
07/3/2022  
ಸ.ಶ. ಪಿ.ಪಿ.ಎಸ್. ಡಿ.ಎಂ.ಪಿ.  
ಕುಮಾರಸ್ವಾಮಿ ಲೇಔಟ್ ಆರೋಗ್ಯ ಕೇಂದ್ರ  
ಬೆಂಗಳೂರು-78







Principal, *Dayananda Sagar College of Dental Sciences*, Kumarswamy Layout Bangalore 560078 herein after referred to as the **Second Party** (which expression shall unless it be repugnant to the context or meaning there of be deemed to mean and include their successor, executors, assigns and administrators) of the other part.

#### WHEREAS

1. The First Party is engaged in Health and Family Welfare Services in the state of Karnataka
2. The Second Party is affiliated to Rajiv Gandhi University of Health Sciences, Bangalore Karnataka and also recognized by Dental Council of India, New Delhi and ISO 9001-2008 Certified Institution. Since its inception the department of Public Health Dentistry has been involved in the prevention of oral diseases, promotion of oral health to the underprivileged and needy through various outreach activities and school health programmes both in urban and rural areas. The First Party and Second Party have agreed mutually based on the request of second party to utilize the technical expertise of second party for providing Oral Health Care Services at PHC Konanakunte.

NOW THE MEMORANDUM OF UNDERSTANDING WITNESSETH AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS

#### 1. Roles and Responsibilities of the First Party:

1.1 The Government Facility/Hospital Should provide facilities in terms of consultation rooms with water and electricity connection for operation of Dental Services.

1.2 For grievances if any the chief Functionary of 2<sup>nd</sup> Party or Director – HFWs or Deputy Director Oral Health Policy and Dental Health shall submit a written complaint to the Principal, *Dayananda Sagar College of Dental Sciences*, Kumarswamy Layout Bangalore 560078 for verification and redressal.

#### 2. Roles and Responsibilities of the Second Party:

2.1 Regular Outpatient services will be offered by the *Dayananda Sagar College dental sciences and Research Center* Kumarswamy Layout Bangalore 560078 on all working days of the Hospital excluding Government holidays, in the following schedule. Monday, Tuesday, Wednesday, Thursday, Friday, Saturday,

*Pravin K. A.*  
Deputy Director  
Oral Health Policy & Dental Health  
Health and Family Welfare Ser-  
Bangalore - 09

*Pravin K. A.*  
PRINCIPAL  
*Dayananda Sagar College of Dental Sciences*  
Kumarswamy Layout,  
Bangalore - 560078



- 2.2 On the above mentioned days the designated team of faculty will be available to the patients in the dental unit at PHC Konanakunte between 9.00AM to 4.00PM for rendering Oral Health Care services
- 2.3 Under the supervision of faculty, post graduate students and interns will take part in all the activities of Dental unit established at government Facility.
- 2.4 Faculty, post graduate students and interns from *Dayananda Sagar College of Dental Sciences*, Kumarswamy Layout Bangalore 560078, shall provide services to the patients on outpatient basis and will frame guidelines for the treatment of patients depending on the nature of illness. The treatment to such patients shall be as per Standard Treatment Guidelines.
- 2.5 The Second party agrees to provide free OPD Consultation as well as further management of patients.
- 2.6 The Second party shall ensure that the best and complete diagnostic, therapeutic and Follow-up services based on Standard protocol and Dental practices/ recommendations are extended to the beneficiary. It is also mandatory for the provider to assess the appropriate need and subject the beneficiary for treatment/procedure free of cost without causing any burden to First Party. The treatment will be followed as per guidelines from department of Health and Family welfare services. The Second party will be accountable/responsible for all the legal issues regarding the treatment and management of all dental and related procedures carried out by them in the Dental Unit.
- 2.7 The Second Party agrees to render complete oral Health needs for all the beneficiaries who visits the facility which would include Oral screening, including Oral Screening in ANC, Oral prophylaxis, Restorations, extractions, IOPARs, and other necessary treatment including Dantha Bhagya Yojane.
- 2.8 All the equipments, Instrument and logistics required will be borne by the Second Party.
- 2.9 Second Party shall submit monthly reports in accordance with the Statement of Work in the prescribed format to First Party regularly.
3. **Standard Scope and Services:**
- 3.1 Dental unit at PHC Konanakunte will be working on all the days of the Hospital excluding Government holidays, Regular Outpatient services will be offered by the *Dayananda Sagar College of Dental Sciences*, Kumarswamy Layout Bangalore 560078. A designated team of faculty, post graduate students and

*P. Ravindra*  
**Deputy Director**  
**Oral Health Policy & Dental**  
**Health and Family Welfare**  
Bengaluru - 09

**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumarswamy Layout

*2.5/10*  
*2.5/10*



interns will be available to the patients in the dental unit at *PHC-Konanakunte* between 9.00AM to 4.00PM for rendering Oral Health Care services

3.2 Faculty, post graduate students and interns from *Dayananda Sagar College Dental Sciences*, Kumarswamy Layout Bangalore 560078 shall provide services to the patients on outpatient basis and will frame guidelines for the treatment of patients depending on the nature of illness. The treatment to such patients shall be as per Standard Treatment Guidelines.

3.3 The Second Party agrees to provide free OPD Consultation as well as further management of patients.

3.4 The Second Party shall ensure that the best and complete diagnostic, therapeutic and Follow-up services based on Standard protocol and Dental practices/recommendations are extended to the beneficiary. It is also mandatory for the provider to assess the appropriate need and subject the beneficiary for treatment/procedure free of cost without causing any burden to First Party. The treatment will be followed as per Standard guidelines.

3.5 Periodical updates to be communicated to the Deputy Director, Oral Health Policy and Dental Health office authorities on the functioning and status of Dental Unit.

#### 4. Duration of MoU:

4.1 The duration of this agreement shall be for 5 years/or till the faculty appointment are made from the Government, whichever is earlier and shall be renewed unless terminated within the terms of this agreement.

#### 5. General:

##### 5.1 Settlement of disputes:

5.1.1 In case of dispute arising upon or in relation to or in connection with the agreement between the parties, which has been not been settled amicably in the first place, be referred to Principal Secretary to the government (Health and Family Welfare). Either party may refer the dispute to the Principal Secretary (Health and Family Welfare), who shall give a decision in writing within 30 days of reference of dispute or such extended time as may be deemed fit and proper.

5.1.2 Either party may refer a written decision of the Principal Secretary (Health and Family Welfare) to arbitration (Karnataka arbitration) if aggrieved. If neither party refers the disputes to arbitration within 30 days of the date of such decision, the decision of Principal Secretary

PRINCIPAL  
Dayananda Sagar College of Dental Scie  
Kumarswamy Layout,



(Health and Family Welfare) will be final and binding on both the parties.

5.1.3 The arbitration shall be held in accordance with provision of the arbitration and conciliation Act 1996.

## 6. Third Party Rights

6.1 Nothing in this agreement shall be taken as granted in any rights explicitly or implicitly whether contractual or statutory other than Commissioner HFWs or *Dayananda Sagar College of Dental Sciences, Kumarswamy Layout Bangalore 560078.*

6.2 On expiry of the validity of MoU, the access provided to Dental unit would be deactivated unless revived by Commissioner HFWs.

## 7. Costing

7.1 PHC Konanakunte shall provide facilities in terms of consultation rooms with water and electricity connection for operation of Dental Services.

7.2 No Financial assistance shall be provided by DHO/Commissioner HFWs/PHC Konanakunte to *Dayananda Sagar College Dental Sciences, Kumarswamy Layout Bangalore 560078.*

## 8. Intellectual Property Rights

The Parties acknowledge that nothing in this MoU shall affect ownership of any intellectual property rights.

## 9. Notice of Communication

9.1 No claim shall be preferred by *Dayananda Sagar College of Dental Sciences, Kumarswamy Layout Bangalore 560078* in any court or tribunal against Commissioner HFWs without giving 60 days' notice as contemplated in section 80 of CPC after the award of Arbitration

9.2 If at any time during the continuance of this MoU, the performance in whole or in part by any of the parties to any of the objectives under this MoU is prevented or delayed by reason of governmental decision, war, hostilities, act of a public enemy, civil commotion, fire, flood, explosion, epidemics, quarantine restrictions, disturbance in supplies from normally reliable source (including but not limited to electricity, water, fuel and the like), strike, lockout or other events beyond the reasonable control of the party concerned (hereinafter referred to as "the Eventuality"), then notice of such eventuality shall be given by the affected party to the other parties within 15 days from the date of occurrence thereof.

Principal

Dayananda Sagar College of Dental Sciences  
Kumarswamy Layout Bangalore

Principal  
Deputy Director  
Health Policy & Dental  
Health and Family Welfare  
Bengaluru - 09



9.3 In the event of any of the parties not being able to by reason of an eventuality, meet any of its obligations under this MoU, such obligation shall be suspended for as long as the inability to continue or any date mutually agreed between the parties. This MoU may be terminated by any of the parties by providing Three (3) month's written notice if the inability to undertake activities under this MoU continues even after expiry of 90 days since the commencement of eventuality.

#### **10. Termination.**

Either party may at any time at its sole discretion giving 3 months prior notice may terminate this MoU. Upon termination the premises at PHC Konanakunte shall be returned back to PHC Konanakunte.

Upon termination of the contract, dental chairs, equipments, instruments and what all is provided, installed or stored by Dayananda Sagar College of Dental Sciences would be taken back by Dayananda Sagar College of Dental Sciences

#### **11. Indemnity**

The Second party will be accountable/responsible for all the legal issues on account of bodily injury, death or damage to tangible personal property arising in favour of any person, corporation or other entity attributable to the negligence or willful default in performance or non-performance under this agreement including regarding the treatment and management of all dental and related procedures carried out by them in the Dental Unit.

#### **12. Amendments & Modifications**

Any of the parties may request in writing for a revision, amendment or modification of all or any part of this MoU. Any revision, amendment or modification agreed mutually between the parties shall be in writing and shall come into force on such date as determined by the parties and shall for part of this MoU.

#### **13. Assignments or Transfer**

No signatory of this MoU shall sub-contract or transfer any part of this MoU without prior written approval of the other signature.

#### **14. Liabilities**

Each party shall be solely responsible for any, all claims and/or damages of its own in connection with this MoU unless such claims and damages arise as a result of the misconduct, fault, negligence of any of the parties or breach of any of the terms and conditions of this MoU.

*[Handwritten signature and stamp]*  
Deputy Director  
PHC Konanakunte  
Bangalore

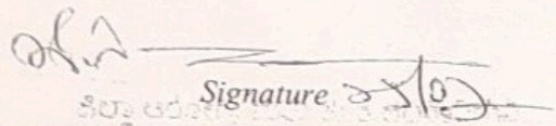
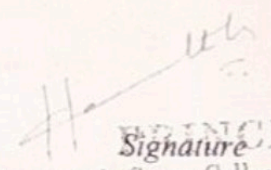
**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaranwamy Layout,  
Bangalore - 560 076.



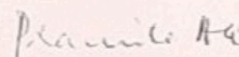
**15. Confidentiality:**

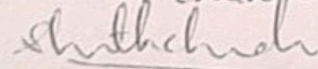
- a) It is agreed by the parties that during the term of this MoU, all information shall be held in confidence by both the parties and they shall not disclose to any third party without mutual agreement,
- b) Nothing in this section shall prevent any party from disclosing any information, under any law or in pursuance of any decree or order of any court or tribunal require disclosing.

In witness whereof, the said parties hereto have set their hands at the place and on this day,

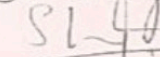
<p> Signature <b>District Health &amp; Family Welfare Officer</b> For PHC Konanakunte Bangalore</p>	<p> Signature <b>Principal</b> Dayananda Sagar College of Dental Sciences Kumarswamy Layout, Bangalore 560078 Dayananda Sagar College of Dental Sciences, Kumarswamy Layout Bangalore 560078</p>
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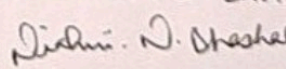
Witness:

- 1. Name: DR PRAMILA AK  
Signature:   
Address D/D, oral health  
Anandacwale  
Bangalore  
Mobile Number: 9449843081

- 2. Name: Dr. Shreeath chandea R  
Signature:   
Address Divisional Nodal office  
NHFP, Bangalore  
Mobile Number: 9620162967

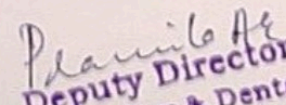
Witness:

- 2. Name: Dr. Shylaja K.S.  
Signature:   
Address Dental health officer  
CHC, Falahalli, Bangalore  
Mobile Number: 9740464789

- 2. Name: Dr. NITHIN . N. BHASKAR  
Signature:   
Address DAYANANDA SAGAR COLLEGE OF  
DENTAL SCIENCES,  
KS LAYOUT, BANGALORE - 78  
Mobile Number: 9980524729

Place: Bangalore

Dated: 25/7/2019.

  
Deputy Director  
Health Policy & Dental Health  
District Health and Family Welfare Services  
Bangalore - 09





**ಕರ್ನಾಟಕ ಸರ್ಕಾರ**

ಆರೋಗ್ಯ ಮತ್ತು ಕುಟುಂಬ ಕಲ್ಯಾಣ ಸೇವೆಗಳ ನಿರ್ದೇಶನಾಲಯ,

ಅನಂದರಾವ್ ವೃತ್ತ, ಬೆಂಗಳೂರು-560009

Oralhealthpolicy.kar@gmail.com

File No:DD/ದಂತ/Office/01/2017-18/005

ದಿನಾಂಕ: 23.08.2019

**ಅಧಿಕೃತ ಪತ್ರಾವಳಿ**

ವಿಷಯ : ಕೋಣಸತುಂಟೆ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದಲ್ಲಿ ದಯಾನಂದ ಸಾಗರ್ ದಂತ

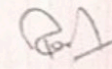
ವಿಜ್ಞಾನ ಕಾಲೇಜುವತಿಯಿಂದ ದಂತ ಚಿಕಿತ್ಸಾ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸುವ ಬಗ್ಗೆ

ಉಲ್ಲೇಖ : DSCDS/2017-18, Dated:08.01.2018

ಶಾ/ದಂ.ದ/486/2017-18, Dated: 12.01.2018

\*\*\*\*\*

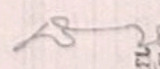
ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ಉಲ್ಲೇಖದನ್ವಯ ಕೋಣಸತುಂಟೆ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದಲ್ಲಿ ದಯಾನಂದ ಸಾಗರ್ ದಂತ ವಿಜ್ಞಾನ ಕಾಲೇಜು ಇವರು ದಂತ ಚಿಕಿತ್ಸಾ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸಲು ಪ್ರಾರಂಭಿಸಿದರು. ದಯಾನಂದ ಸಾಗರ್ ದಂತ ವಿಜ್ಞಾನ ಕಾಲೇಜು, ಬೆಂಗಳೂರು ಮತ್ತು ಜಿಲ್ಲಾ ಆರೋಗ್ಯ ಅಧಿಕಾರಿಗಳು, ಬೆಂಗಳೂರು ನಗರ, ಇವರುಗಳು ಒಪ್ಪಂದದ ಮೂಲಕ ಮಾತನಾಡಿದುದು, ಕೋಣಸತುಂಟೆ ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರದಲ್ಲಿ ಒಪ್ಪಂದಿತಿಯಾನುಸಾರ ದಯಾನಂದ ಸಾಗರ್ ದಂತ ವಿಜ್ಞಾನ ಕಾಲೇಜುವತಿಯ ದಂತ ಚಿಕಿತ್ಸಾ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸಲು ಕೂಡಿಸಲಾಗಿದೆ.

  
ಅಯ್ಯಕ್ಕರು,  
ಆರೋಗ್ಯ ಮತ್ತು ಕುಟುಂಬ ಕಲ್ಯಾಣ ಸೇವೆಗಳು.

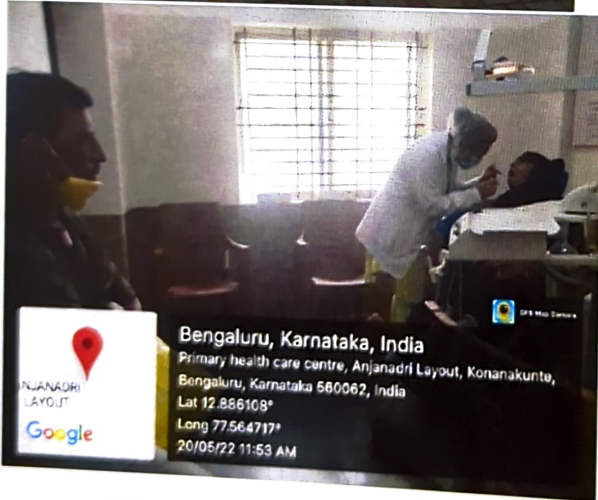
**ಪ್ರತಿಯನ್ನು:**

1. ಜಿಲ್ಲಾ ಆರೋಗ್ಯ ಅಧಿಕಾರಿಗಳು, ಬೆಂಗಳೂರು ನಗರ.
2. ತಾಲ್ಲೂಕು ಆರೋಗ್ಯ ಅಧಿಕಾರಿಗಳು, ಬೆಂಗಳೂರು ದಕ್ಷಿಣ.
3. ವೈದ್ಯಾಧಿಕಾರಿಗಳು, ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರ, ಕೋಣಸತುಂಟೆ, ಬೆಂಗಳೂರು ದಕ್ಷಿಣ.
4. ದಯಾನಂದ ಸಾಗರ್ ದಂತ ವಿಜ್ಞಾನ ಕಾಲೇಜು, ಬೆಂಗಳೂರು.
5. ಕಚೇರಿ ಪ್ರತಿ.

ಮಾನ್ಯ ಸಿ.ಪಿ.ಎಸ್. ಸಿ.ಎಸ್.ಎಸ್. ಅಧಿಕಾರಿಗಳು  
ಶಿಕ್ಷಣ ಮತ್ತು ಸಂಶೋಧನೆ

ದಂತ ಇಲಾಖೆ ನಿರ್ದೇಶಕರು  
  
ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಕೇಂದ್ರ  
ಕೋಣಸತುಂಟೆ, ಬೆಂಗಳೂರು ದಕ್ಷಿಣ ತಾಲ್ಲೂಕು  
ಬೆಂಗಳೂರು ನಗರ ಅಧಿಕಾರಿ.





**SATELLITE CLINIC AT KONANKUNTE PHC**

  
**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

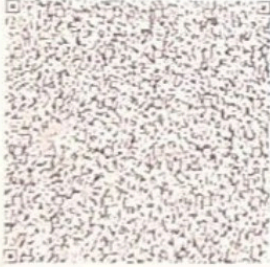


सत्यमेव जयते

# INDIA NON JUDICIAL Government of Karnataka

## e-Stamp

Certificate No. : IN-KA91045765598840P  
 Certificate Issued Date : 25-Feb-2017 03:56 PM  
 Account Reference : NONACC (FI)/ kacrsII08/ BASAVANGUDI/ KA-BN  
 Unique Doc. Reference : SUBIN-KAKACRSFL0830986957900016P  
 Purchased by : DAYANANDA SAGAR DENTAL COLLEGE  
 Description of Document : Article 37 Note or Memorandum  
 Description : M O U  
 Consideration Price (Rs.) : 0  
 (Zero)  
 First Party : BBMP  
 Second Party : DAYANANDA SAGAR DENTAL COLLEGE  
 Stamp Duty Paid By : DAYANANDA SAGAR DENTAL COLLEGE  
 Stamp Duty Amount(Rs.) : 100  
 (One Hundred only)



*Pooja*

POOJA MAHILA CREDIT CO-OP. SOCIETY LTD.

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### ಒಪ್ಪಂದದ ಕರಾರು ಪತ್ರ

ಬೆಂಗಳೂರು ನಗರ ಜಿಲ್ಲೆ ಬಸವನಗುಡಿ ವಿಧಾನ ಸಭಾ ಕ್ಷೇತ್ರ, ವಾರ್ಡ್ ನಂ.154 ಎಸ್.ಆರ್.ಕಾಲೋನಿ, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಆರೋಗ್ಯ ವೃದ್ಧಕೀಯ ಇಲಾಖೆ ವ್ಯಾಪ್ತಿಯ ಎಸ್.ಆರ್.ಕಾಲೋನಿ ಪರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಮೊದಲನೆ ಮಹಡಿ ಒಂದು ಕೋಠಿಯಲ್ಲಿ ಡೆಂಬಲ್ ಕ್ಲಿನಿಕ್‌ನ್ನು ಪ್ರಾರಂಭಿಸಿ, ವಾರದಲ್ಲಿ 6 ದಿನ ಬೆಳಿಗ್ಗೆ 10 ರಿಂದ ಮಧ್ಯಾಹ್ನ 1 ಗಂಟೆಯವರೆಗೆ ಸಾರ್ವಜನಿಕರಿಗೆ ಸಂಪೂರ್ಣ ಉಚಿತವಾಗಿ ದಂತಚಿಕಿತ್ಸೆ ಸೇವಾಸೌಲಭ್ಯವನ್ನು ನೀಡಲು ಆಯುಕ್ತರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಹಾಗೂ ದಯಾನಂದಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು, ಇವರ ಜಂಟಿ ಸಹಭಾಗಿತ್ವದಲ್ಲಿ ಸಾರ್ವಜನಿಕರಿಗೆ ಉತ್ತಮ ಸೇವೆ ನೀಡಲು ಎರಡು ವರ್ಷದ ಅವಧಿಗೆ ಒಪ್ಪಂದ ಒಪ್ಪಿಗೆ ಪತ್ರ ಪಡೆಯಲಾಗಿದೆ. "ಆಯುಕ್ತರು, ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಇವರನ್ನು ಮೊದಲನೇ ಪಕ್ಷದವರು" ಎಂದು ಕರೆಯಲಾಗಿದೆ. "ಪ್ರಾಂಶುಪಾಲರು, ಡಯಾನಂದಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆ ರವರನ್ನು ಎರಡನೆಯ ಪಕ್ಷದವರು" ಎಂದು ಕರೆಯಲಾಗಿದೆ ಹಾಗೂ ಅದರಂತೆ ಮಾರ್ಚ್ 2019 ರ ಅವಧಿಯವರೆಗೆ ಈ ಒಪ್ಪಂದದ 2 ಪಕ್ಷದವರು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ನೀಡಲು ಒಪ್ಪಿರುತ್ತಾರೆ.

#### Statutory Alert

1. The authenticity of this Stamp is guaranteed by the Government of Karnataka.
2. The stamp of this e-stamp is valid only if it is used in accordance with the instructions on the Certificate and as per the instructions on the e-stamp.
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*[Signature]*  
**PRINCIPAL**  
 Dayananda Sagar College of Dental Sciences  
 Kumaraswamy Layout,  
 Bangalore - 560 078



(ಮೊದಲನೆಯ ಪಕ್ಷದಾರರು)

ಬೃ.ಬಿಂ.ಮ.ಪಾಲಿಕೆಯು, ಮೊದಲನೇ ಪಕ್ಷದಾರರಾಗಿದ್ದು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ಒದಗಿಸಬೇಕಾಗಿರುತ್ತದೆ:

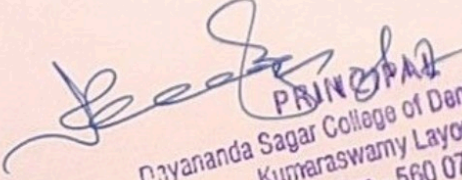
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯಲ್ಲಿ ಒಂದು ಉನ್ನತ ದರ್ಜೆಯ ದಂತ ವೈದ್ಯಕೀಯ ಚಿಕಿತ್ಸಾ ಕೇಂದ್ರದಲ್ಲಿ ಸೇವೆಗಳನ್ನು ಮುಂದುವರೆಸಲು ಅವಶ್ಯಕವಾದ ಆಸ್ಪತ್ರೆಯ ಮೊದಲನೇ ಮಹಡಿ ಒಂದು ಕೊಠಡಿ, ವಿದ್ಯುಚ್ಛಕ್ತಿ, ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆಯನ್ನು ನಗರ ಪಾಲಿಕೆ ವತಿಯಿಂದ ಒದಗಿಸಬೇಕಾಗಿರುತ್ತದೆ.

1. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಪ್ರಸ್ತುತ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಕಟ್ಟಡದ ಒಂದು ಕೊಠಡಿಯನ್ನು ದಂತ ಚಿಕಿತ್ಸೆ ಕ್ಲಿನಿಕ್ ನಡೆಸಲು ಒದಗಿಸಲಾಗುತ್ತದೆ.
2. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಗೆ ಪಾಲಿಕೆಯ ಖಾಯಂ ಸಿಬ್ಬಂದಿ ವರ್ಗದ ನಾಲ್ಕನೇ ದರ್ಜೆ ಬಬ್ಬ ನೌಕರರನ್ನು ಸೇವೆಗಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
3. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ದಂತ ಚಿಕಿತ್ಸೆ ಕ್ಲಿನಿಕ್ ಕೊಠಡಿಗೆ ವಿದ್ಯುಚ್ಛಕ್ತಿ, ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ ಒದಗಿಸಲಾಗುತ್ತದೆ.
4. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ದಂತಚಿಕಿತ್ಸಾಲಯದಲ್ಲಿ ಒದಗಿಸುವ ಎಲ್ಲಾ ಸೇವೆಗಳು ಉಚಿತವಾಗಿರುತ್ತವೆ.
5. ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಸೇವಾ ಶುಲ್ಕದ ಹಣವನ್ನು ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಉಪಯೋಗಿಸಲು ಬರುವುದಿಲ್ಲ. ಅದಕ್ಕಾಗಿ ಪ್ರತ್ಯೇಕ ಮಾರ್ಗಸೂಚಿಗಳನ್ನು ನೀಡಲಾಗಿರುತ್ತದೆ.

(ಎರಡನೆಯ ಪಕ್ಷದಾರರು)

ಈ ಒಪ್ಪಂದದ ಎರಡನೇ ಪಕ್ಷದಾರರಾದ ದಯಾನಂದಸಾಗರ ದಂತಮಹಾವಿದ್ಯಾಲಯ ಸಂಸ್ಥೆಯು ಈ ಕೆಳಕಂಡಂತೆ ಸೇವೆಗಳನ್ನು ಒದಗಿಸಲು ಒಪ್ಪಿರುತ್ತಾರೆ. (ಮಾರ್ಚ್ 2019 ರ ಅವಧಿಯವರೆಗೆ)

1. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಪ್ರಸ್ತುತ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಗೆ ದಂತ ಚಿಕಿತ್ಸೆಗಾಗಿ ಬರುವ ಸಾರ್ವಜನಿಕರಿಗೆ ಸಂಪೂರ್ಣ ಉಚಿತವಾಗಿ ಸೇವೆ ಒದಗಿಸಲು ಕನಿಷ್ಠ 3 ವರ್ಷಗಳ ಅನುಭವವುಳ್ಳ ನುರಿತ ದಂತ ವೈದ್ಯರು ಹಾಗೂ ಸಹಾಯಕ ದಂತ ವೈದ್ಯರ ಸೇವೆಯನ್ನು ಉಚಿತವಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
2. ಈ ಒಡಂಬಡಿಕೆ ಅಡಿಯಲ್ಲಿ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಗೆ ಡೆಂಟಲ್ ಚಿಕಿತ್ಸೆಗಾಗಿ ಬೇಕಾಗುವ ಆಕ್ಸೆಸರಿಸ್ ಹಾಗೂ ಇತರೇ ಪ್ರಮುಖ ಸಲಕರಣೆಗಳನ್ನು ಉಚಿತವಾಗಿ ಒದಗಿಸಲಾಗುತ್ತದೆ.
3. ಹಲ್ಲುಗಳನ್ನು ಲೋಕಲ್ ಅನೇಸ್ಟೀಶಿಯಾದಲ್ಲಿ ತೆಗೆಯುವುದು.
4. ಹುಳುಕು ಹಲ್ಲುಗಳ ರಂಧ್ರಗಳನ್ನು ಮುಚ್ಚಲು ಸಿಲ್ವರ್ ಅಮಾಲ್ಗಮ್, ಜಿಂಕ್ ಆಕ್ಸೈಡ್ ಮತ್ತು ಗ್ಲಾಸ್‌ಲೋನೋಮಾರ್‌ನಲ್ಲಿ ತುಂಬುವುದು.
5. RPD (Removable Partial Denture)
6. ರೂಟ್ ಕೆನಾಲ್ ಟ್ರೀಟ್‌ಮೆಂಟ್ ಹಾಗೂ ಇತರೇ ಚಿಕಿತ್ಸೆಗಳನ್ನು ದಯಾನಂದಸಾಗರ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ 25% ರಿಯಾಯಿತಿಯಲ್ಲಿ ಒದಗಿಸಲಾಗುವುದು.
8. ಮಾರ್ಚ್ 2019ರ ಅವಧಿಗೆ, ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಈ ಉಚಿತ ದಂತ ಚಿಕಿತ್ಸಾಲಯದಲ್ಲಿ ಸೇವೆ ಪಡೆಯುವ ಸಾರ್ವಜನಿಕರಿಗೆ ಉಚಿತವಾಗಿ ಔಷಧಿಗಳನ್ನು ವಿತರಿಸುವುದರ ಜೊತೆಗೆ ಚಿಕಿತ್ಸಾಲಯಕ್ಕೆ ಅವಶ್ಯವಿರುವ ಸಾಧನ ಸಾಮಗ್ರಿಗಳನ್ನು ಉಚಿತವಾಗಿ "ದಯಾನಂದಸಾಗರ ದಂತಮಹಾವಿದ್ಯಾಲಯ" ಸಂಸ್ಥೆಯ ವತಿಯಿಂದಲೇ ಒದಗಿಸಲಾಗುತ್ತದೆ.

  
PRINIPAL  
D. Anananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.



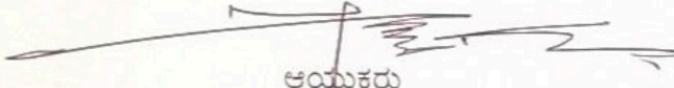


ಚU/3:

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆಯ ಆರೋಗ್ಯ ವೈದ್ಯಕೀಯ ಇಲಾಖೆ ವ್ಯಾಪ್ತಿಯ ಎನ್.ಆರ್.ಕಾಲೋನಿ ಹೆರಿಗೆ ಆಸ್ಪತ್ರೆಯ ಮೊದಲನೆ ಮಹಡಿಯ ಒಂದು ಕೊಠಡಿಯಲ್ಲಿ ಡೆಂಟಲ್ ಕ್ಲಿನಿಕ್‌ನ್ನು ಈ ಪ್ರದೇಶದ ಸಾರ್ವಜನಿಕರಿಗಾಗಿ ಸೇವೆಯನ್ನು ನೀಡುವ ಸಂಬಂಧ ಖಾಸಗಿ ಸಂಸ್ಥೆಯಾದ "ಪ್ರಾಂಶುಪಾಲರು, ದಯಾನಂದಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು" ರವರು 01/03/2017 ರಿಂದ 31/03/2019 ರ ಅವಧಿಯವರೆಗೆ ಸೇವೆಗಳನ್ನು ನೀಡಲು ಒಪ್ಪಿಗೆ ನೀಡಿದ್ದು, ಈ ಸಂಸ್ಥೆಯೊಂದಿಗೆ ಒಡಂಬಡಿಕೆಯನ್ನು ಪಾಲಿಕೆಯು ರೂ.200 ಮೌಲ್ಯದ ಕರಾರು ಪತ್ರದಲ್ಲಿ ಮಾಡಿಕೊಳ್ಳಬೇಕಾಗುತ್ತದೆ. ಯಾವುದೇ ಸಮಯದಲ್ಲಿ ಸದರಿ ಒಡಂಬಡಿಕೆಯನ್ನು ರದ್ದುಪಡಿಸುವ ಅಧಿಕಾರವನ್ನು ಬಿಬಿಎಂಪಿ ಕಾಯ್ದಿರಿಸಿಕೊಳ್ಳಲಾಗುತ್ತದೆ ಎಂಬ ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ಸ್ಥಾಯಿ ಸಮಿತಿಯ ನಿರ್ಣಯದಂತೆ ಷರತ್ತನ್ನು ಮುಂದುವರಿಸಲಾಗಿದೆ.

ಈ ಒಡಂಬಡಿಕೆಯು ಮಾರ್ಚ್ 2019 ರ ಅವಧಿಯವರೆಗೆ ಸೀಮಿತವಾಗಿರುತ್ತದೆ.

ಮೊದಲನೆಯ ಪಕ್ಷದಾರರು ಹಾಗೂ ಎರಡನೆಯ ಪಕ್ಷದಾರರು ಈ ಕೆಳಗೆ ನಮೂದಿಸಿರುವ ಸಾಕ್ಷಿಗಳ ಸಮ್ಮುಖದಲ್ಲಿ ಒಪ್ಪಿ ರುಜು ಮಾಡಿರುತ್ತಾರೆ.

  
ಆಯುಕ್ತರು  
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ  
(ಮೊದಲನೆಯ ಪಕ್ಷದಾರರು)

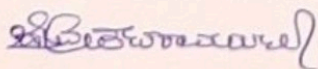
  
ಪ್ರಾಂಶುಪಾಲರು 11/3/17

ದಯಾನಂದ ಸಾಗರ ದಂತ ಮಹಾ ವಿದ್ಯಾಲಯ ಮತ್ತು ಆಸ್ಪತ್ರೆಯವರು  
(ಎರಡನೆಯ ಪಕ್ಷದಾರರು)

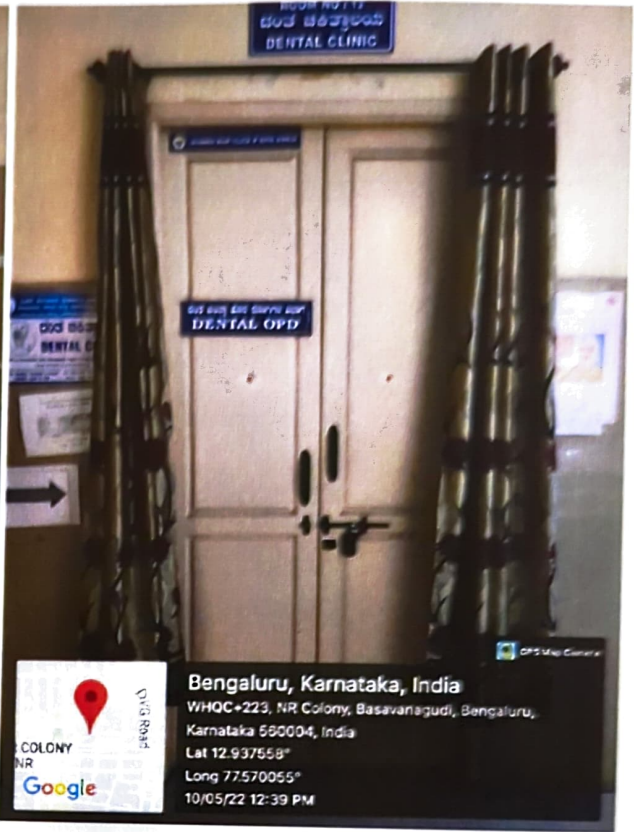
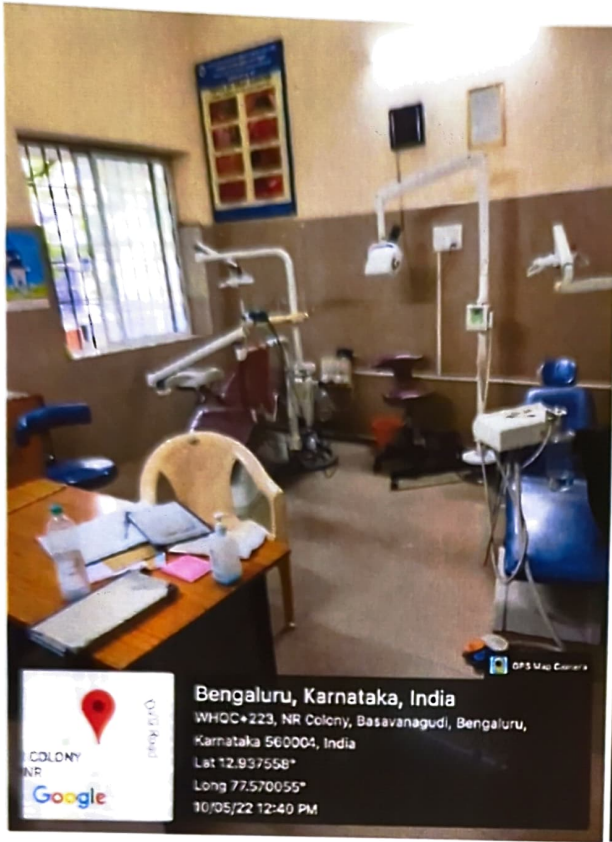
**PRINCIPAL**

ಸಾಕ್ಷಿಗಳು: Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

1. Dr. NITHIN N. CHASKAL  
Nithin N. Chaskal  
11/3/17.

2.   
11/3/17





**SATELLITE CLINIC AT NR COLONY PHC**

*H M*  
**PRINCIPAL**  
 Gananda Sagar College of Dental Sciences  
 Kumaraswamy Layout,  
 Bangalore - 560 078.





# DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

(Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka)  
(Recognised by Dental Council of India, New Delhi)



## Memorandum of Understanding

By and Between

Dayananda Sagar College of Dental Sciences, Bengaluru

and

Abhalashrama, Bengaluru

This MoU is entered into on the 1<sup>st</sup> April 2022 (here after the "Effective Date") by and between: Abhalashrama, with its registered office at 125,6, DVG Road, Basavanagudi, Bangalore 560004 and Dayananda Sagar College of Dental Science at Shavige Malleshwara Hills, Kumaraswamy Layout, Bengaluru 560078 (hereafter referred to as "DSCDS")

Who are referred to, collectively, as "Parties" or, individually, as "Party".

PREAMBLE: WHEREAS DSCDS and Abhalashrama, recognize the benefits to be derived from collaboration, cooperation and mutual interaction for the development and promotion of joint activities to address issues of mutual interest, designed to foster and promote oral screening and oral care.

NOW THE PARTIES HAVE AGREED AS HERE UNDER:

1) NATURE AND SCOPE OF JOINT ACTIVITIES: The parties have agreed to undertake the following activities jointly:

- Oral screening and treatment of patients at the dental clinic, Abhalashrama.
- General hygiene and oral health education to all the patients coming to the clinic.
- Periodic oral cancer screening and referral.

2) PUBLICITY & MARKETING:

Both Parties agree to consult each other in case of any requirement for publicity of the said project to the media or any other agency and to act diligently in the best interest of the project.

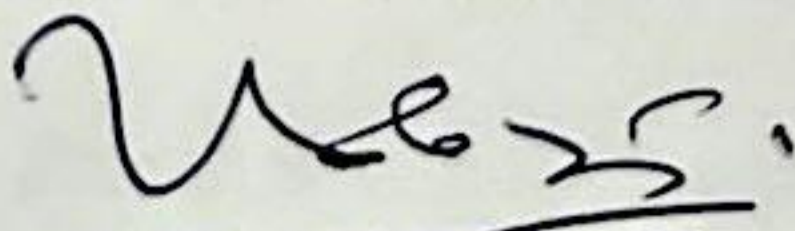
3) CONFIDENTIALITY:

a) Both Parties shall treat as strictly confidential and prevent disclosure there of all confidential Information exchanged pertaining to the activities under this MoU between DSCDS and Abhalashrama ("Confidential Information"). Both parties shall not disclose or use such confidential Information for any other party in any manner and shall only use such information for the purposes of this MoU.

4) TERMS OF MoU:

This MoU shall come into force from the 'Effective Date' and shall remain in force for a period of 3 years (36 months), from the 'Effective Date' of the MoU. The term of the MoU may be mutually extended on terms mutually agreed to by the Parties.

For ABALASHRAMA

  
MON. SECRETARY

  
PRINCIPAL  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078

Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore - 560111.  
Phone : +91 80 26663654, 26662226 Fax : 26660789 Mobile : 74836 93035  
E-mail : principal@dscds.edu.in Website : www.dscds.edu.in

ABALASHRAMA  
125-6, Dr. D.V.G. Road  
Basavanagudi  
BENGALURU-560 004



5) RESPONSIBILITY:

- a) The Manpower responsibility of providing dental doctors (Staff, PGs and interns) 1 day in a week under this MoU lies with Dayananda Sagar College of Dental Sciences. Once the demand increases, the two parties can discuss to increase the number of days.
- b) Abhalashrama has agreed to provide a space with 2 working dental chairs, equipments, and non consumable materials required to run the dental unit at Abhalashrama.
- c) Consumable dental materials to be provided periodically by Abhalashrama for smooth functioning of the dental clinic.
- d) It will be the sole responsibility of Abhalashrama to take care of the cleaning of instruments and the premises as well as biomedical waste management.

6) TERMINATION:

- a) On non-performance of the obligations as specified in this MoU, either Party shall be entitled to terminate this MoU for any such breach of the terms of the MOU remains uncured for a period of 30 working days from the date of the notice to cure such breach. For the purpose of this clause, any breach of the terms of the MOU shall be deemed to have taken place from the date of the receipt of written intimation that a claim of breach has been raised.
- b) Notwithstanding anything contrary stated herein above, both parties shall have the right to terminate this MoU without assigning any reasons by giving 30 days written notice to the other Party.

7) FORCE MAJEURE:

- a) Neither Party shall be liable for any failure or delay in performance under this MOU to the extent the said failures or delays are proximately caused by causes beyond that party's reasonable control and occurring without its fault or negligence, including, without limitation, performance failures of parties outside the control of the contracting Party, Acts of God, War, Floods, Earthquakes, Strike, Lockouts, Epidemics, Riots, Civil disturbance among others, provided that, force majeure will apply only if the failure to perform could not be avoided by the exercise of due care by the Party invoking this clause and such Party does everything reasonably possible to resume its performance under this MoU.

- b) A Party affected by an event of force majeure shall give the other Party written notice, with full details as soon as possible and in any event not later than fourteen calendar days of the occurrence of the cause relied upon. If force majeure applies, dates by which performance obligations are scheduled to be met will be extended for a period of time equal to the time lost due to any delay so caused.

However, if the performance of the MOU is delayed beyond eight (8) weeks from the date of this MoU either party may, at its discretion, terminate this MoU.

**For ABALASHRAMA**

**MON. SECRETARY**

**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

**ABALASHRAMA**  
125-6, Dr. D.V.G. Road  
Basavanagudi  
BENGALURU-560 004



9) GENERAL:

a) Severability: If any provision of this MoU is found by any court of competent jurisdiction to be invalid or unenforceable, the invalidity of such provision shall not affect the other provisions of this MoU, and all provisions not affected by such invalidity shall remain in full force and effect.

b) Waiver: The waiver by either Party of a breach or default in any of the provisions of this MoU by the other Party shall not be construed as a waiver of any succeeding breach of the same or other provisions; nor shall any delay or omission the part of either Party to exercise or avail itself of any right, power or privilege, operate as a waiver of any breach or default by the other Party. Relationship: This MoU is being entered into on a principle-to-principle basis.

d) Notices: Any notice shall be given by way of registered post with acknowledgment due at the address given in the description of the parties. Email communications shall not be accepted as valid legal notices. The address and other details of the parties for the purpose of communication, unless otherwise notified in writing, to the other parties shall be as provided in this MoU.

e) Binding Nature and Assignment

i. This MoU shall be binding upon and inure solely to the benefit of the parties here to and their successor and permitted assigns and nothing in this MoU shall confer upon any other person or entity any legal or equitable right, benefit or remedy of any nature whatsoever under or by reason of this MoU. Neither Party shall have the power to assign or transfer this MoU without the prior, written consent of the other Party.

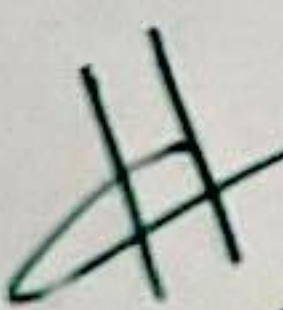
ii. This MoU constitutes the entire MOU between the parties hereto. There are no prior or contemporaneous, oral or written, representations, understandings or MoUs, which are not fully expressed in this MoU.

f) Amendment No amendment, change order, waiver or discharge shall be valid unless it is in writing and signed by an authorized representative of the Party against whom such amendment, change order, waiver or discharge is sought to be forced.

g) Limitation of Liability: In no event shall either party be liable to the other party or any other entity for any kind of losses including any lost profits, or for any indirect, special, consequential or incidental damages arising out of this MOU, under any cause of action, whether or not such party or its agents have been advised of the possibility of such damage.

h) Dispute Resolution:

i. Any dispute or difference arising between the parties under this MOU or the implementation of the obligation arising there from shall be discussed mutually and resolved within a period of 30 days.

  
**PRINCIPAL**  
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**ABALASHRAMA**  
125-6, Dr. D.V.G. Road  
Basavanagudi  
BENGALURU-560 004

**For ABALASHRAMA**  
  
**MON. SECRETARY**



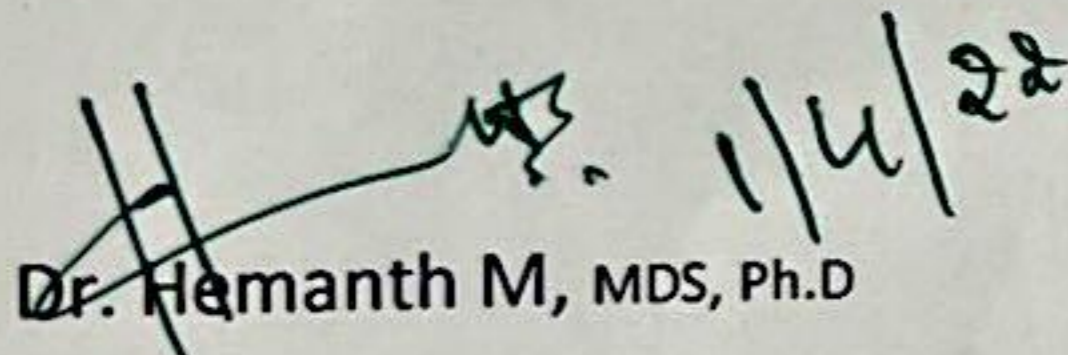
ii. In the event that no such mutual settlement is reached, any and all disputes arising out of or in relation to this MOU shall be subject to the exclusive jurisdiction of the courts at Bengaluru, Karnataka, to the exclusion of all other courts.

lii Any research activities related to the data collected by both parties will be informed prior to publishing.

iii. All notices, communication under this MOU will be sent by Registered AD and shall be addressed to: Designated contact persons for parties to the MOU Dr. Hemanth M, Principal, DSCDS and Sri. B V Shesha, Honorary Secretary, Abhalashrama, Bangalore

IN WITNESS THERE OF,

The parties to this MOU, intending to be legally bound, have duly executed this MOU to become effective as of the date first written above.

  
Dr. Hemanth M, MDS, Ph.D

Principal,

Dayananda Sagar College of Dental Sciences  
**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.

**For ABALASHRAMA**

  
Sri. B V Shesha,  
**NON. SECRETARY**

Secretary,

Abhalashrama

**ABALASHRAMA**  
125-6, Dr. D.V.G. Road  
Basavanagudi  
BENGALURU-560 004







to the context or meaning thereof, be deemed to mean and include its successors the office and assignees of the First Part

AND  
DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES, SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT, BANGALORE – 560 078 (Name & Address of Hospital/ Centre)

Second Part

WHEREAS, The NIMHANS is providing comprehensive medical care facilities to Employees/Pensioners and their dependent family members.

AND WHEREAS, NIMHANS HEALTH SCHEME (NHS) proposes to provide treatment facilities in Allopathy to the NHS beneficiaries in the Private Recognized Hospitals/Centers.

AND WHEREAS DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES Hospital/Centre offered to give the treatment to the NHS Beneficiaries who may produce a permission letter from their NIMHANS HEALTH CENTRE.

NOW, THEREFORE, IT IS HEREBY AGREED between the Parties as follows:

1. DEFINITIONS & INTERPRETATIONS

1.1 The following terms and expressions shall have the following meanings for purposes of this Agreement:

1.1.1 "Agreement" shall mean this Agreement and all Schedules, supplements, appendices, appendages and modifications thereof made in accordance with the terms of this Agreement.

1.1.2 "Benefit" shall mean the extent or degree of service the beneficiaries are entitled to receive as per the rules on the subject.

1.1.3 "Card" shall mean the NHS Card. Issued by any competent authority of NIMHANS.

1.1.4 "Card Holder" shall mean a person having a NHS Card.

1.1.5 "NHS Beneficiary" shall mean a person who is eligible for coverage of NHS and hold a valid NHS card for the benefit.

1.1.6 "Coverage" shall mean the hospital/diagnostic center authorized by the NIMHANS for HEALTH SCHEME.

1.1.7 "Empanelment" shall mean the hospital/diagnostic center authorized by the NIMHANS for treatment purposes for a particular period.

1.1.8 'Hospital' shall mean the DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES while performing under this Agreement providing medical investigation, treatment and the Healthcare of human beings.

1.1.9 'Recognition of Hospital' shall mean the Hospital empanelled by the NHS for a particular period for providing treatment facilities and procedures etc. to the NHS beneficiaries at the rules laid down.

1.1.10 'De-recognition of Hospital' shall mean debarring the hospital on account of adopting unethical practices or fraudulent means in providing medical treatment to or not following the good industry practices of the health care for the NHS beneficiaries after following certain procedure of inquiry.

1.1.11 "Party" shall mean either the NIMHANS or the Hospital/Centre and "Party" shall mean both the NIMHANS and the Hospital/Diagnostic Centre.

1.1.12 (a) "Package Rate" means rates for a package of treatment of standard set of procedures that administered to the patient while undergoing treatment for a pre-diagnosed disease-condition for the specified time period.

*Handwritten signature*  




- designs)
- 2
- i) This includes all charges pertaining to a particular treatment/procedure including registration charges, admission charges, accommodation charges, cost of medicines, Panchakarma charges, Labour Room Charges, Charges for Ksharasutra, operation/procedure charges, doctor/consultant visit charges, monitoring charges, operation theatre charges and cost of all sundries used during hospitalization, related routine investigations, physiotherapy charges etc. from the time of admission till discharge. This also is inclusive of all sub-procedures and all related procedures to complete the treatment.
  - ii) No additional charge on account of extended period shall be allowed if that extension is due to any improperly conducted procedure.

1.1.13 "Bill Clearing Agency" (BCA means the agency appointed by NIMHANS for processing of Data/Bills of all NHS beneficiaries (both serving and pensioner) attending the empanelled private Hospitals and for making payment.

## 2. SERVICE AREA

The Hospital/Diagnostic Centre shall provide treatment facilities to the NHS beneficiaries who may produce a permission letter from NIMHANS HEALTH CENTRE (NHC).

## 3. SERVICE CHARGES

The Hospital/Center shall charges from the NHS beneficiaries as per the rates for a particular procedure/ package deal as prescribed by the CGHS which shall be an integral part of this Agreement. This also includes the ward entitlement as per CGHS rules. It further includes description of General ward, semiprivate ward, private ward as per CGHS norms.

## 4. DURATION

The Agreement shall remain in force for a period of 2 years or till it is modified or revoked, whichever is earlier. The Agreement may be extended for subsequent periods as required by NIMHANS subject to fulfillment of all the terms and conditions of this Agreement and with mutual consent.

## 5. MEDICAL AUDIT OF BILLS

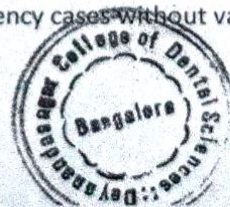
The medical audit of the bills of the hospital/center will be conducted by the NIMHANS or any authority designated by NIMHANS or the Ministry of Health & Family Welfare for that purpose within 90 days of discharge of the NHS beneficiary, as the case may be, from Hospital.

## 6. REVISION OF RATES

In case the notified rates are revised by the Ministry of Health & Family Welfare after empanelment and such revised rates are not acceptable to the empanelled hospital/center no longer wishes to continue on the list empanelled hospitals/centers, it can apply for exclusion from the panel by giving three months notice and by depositing an exit fee equivalent to the average monthly bill submitted by it to the NIMHANS in the preceding one year.

## 7. TREATMENT IN EMERGENCY

In emergency the hospital shall not refuse admission or demand an advance payment from the beneficiary or his family member and shall provide credit facilities to the patient whether the patient is a serving employee or a pensioner availing NHS facilities, on production of a valid NHS card within 24 hrs and the hospital shall submit the bill to BCA. The refusal to provide the treatment to bonafide NHS beneficiaries in emergency cases without valid ground, would attract disqualification for continuation of empanelment.

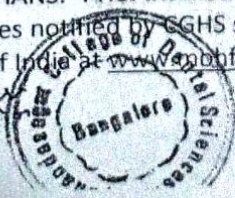




## 8. GENERAL CONDITIONS

- 8.1 All investigations regarding fitness for the surgery will be done prior to the admission for any elective procedure and are part of package. For any material/ additional procedure / investigation other than the condition for which the patient was initially permitted, would require the permission of the competent authority.
- 8.2 The package rate will be calculated as per the duration specified in the tender document under the "treatment requirements". No additional charge on account of extended period of stay shall be allowed if that extension is due to infection on the consequences of surgical procedure or due to any improper procedure and is not justified.
- 8.3 The rate being charged will not be more than what is being charges for same procedure from other (CGHS, non-CGHS and non Central Govt.) patients or institutions. An authenticated list of rates being charged from other non-CGHS, non-Central Govt. Institutions if available will also be supplied within 10 days of this agreement.
- 8.4 The procedure and package rates for any procedure and other medical treatment for NHS beneficiary under this Agreement shall not be increased during the validity period of this Agreement.
- 8.5 The empanelled Hospital/Centre shall provide services only for which it has been empanelled at rates that will be fixed from time to time and shall be binding.
- 8.6 The Hospital will intimate all instances of patients admitted on the basis of the Authority letter issued by the NHS authorities in the prescribed format within one working day through fax/email (the number of which shall be notified ) followed by post.
- 8.7 The Hospital /Centre shall provide reports on monthly basis by the 10<sup>th</sup> day of the succeeding calendar month in the prescribed format to the NIMHANS in respect of the beneficiaries treated.
- 8.8 The Hospital/Center agrees that any liability arising due to any default or negligence in providing or performance of the medical services shall be borne exclusively by the hospital/center who shall alone be responsible for the defect and /or deficiencies in rendering such services.
- 8.9 The Hospital agrees that during the in-patient treatment of the NHS beneficiary, the Hospital will not ask the beneficiary or his attendant to purchase separately the medicines/sundries/equipment or accessories from outside and will provide the treatment within the package deal rate, which includes the cost of all the items. Appropriate action, including removing from NHS empanelment and / or Termination of this Agreement, may be initiated on the basis of a complaint, medical audit or inspections carried out by NHS teams
- 8.10 On production of a valid permission by the NHS/beneficiaries, the hospital/center shall provide credit facilities to the NHS beneficiaries after verifying the photo in the card . The NIMHANS is not liable to pay in cases of impersonation or treatment of ineligible persons.
- 8.11 The Hospital/Centre will submit an annual report regarding number of referrals received, admitted, bills submitted to the NHS and payment received.
- 8.12 Authorized signatory/representative of the hospital/center shall attend the periodic meetings held by Director, NIMHANS.
- 8.13 The Hospital/Diagnostic Centre will not make any commercial publicity projecting the name of NIMHANS. However, the fact of empanelment under NHS shall be displayed at the premises of the empanelled center, indicating that the charges will be as per CGHS approved rates.
- 8.14 The hospital will investigate/treat the NHS beneficiary patient only for the condition for which they are referred with permission, and in the specialty and / or purpose for which they are approved by NHS.
- 8.15 The Hospital shall not undertake treatment of referred cases in the system of medicine for which it is not empanelled.
- 8.16 The hospital will not refer the patient to other specialist / other hospital without prior permission of NIMHANS. Prior intimation shall be given by the NHS whenever patient needs further referral.
- 8.17 The rates notified by CGHS shall be available on web site of Ministry of Health & Family Welfare Govt. of India at [www.mohfw.nic.in](http://www.mohfw.nic.in).

He



College of Dental Sciences  
Bangalore



9. SUBMISSION OF BILLS TO BILL CLEARING AGENCY

The Hospital/Centre shall submit the bills of the NHS beneficiaries both electronically as well as physically to the BCA for processing the same for payment.

**Payment within twenty days:**

NIMHANS shall appoint a Bill Clearing Agency (BCA), for processing of Data / Bills of all NHS beneficiaries attending these Hospitals, NIMHANS would ensure that payment of hospital claims would be done in time bound manner – within a period of 20 working days from the date of submission of bills in physical format / complete information related to the claim to the designated BCA.

**NHS beneficiary attending hospital:**

In such a situation the Hospital shall intimate to BCA within 2 hours of admission and BCA shall respond in 4 working hours (however treatment shall not be denied to any NHS member and this is only an initiation of the e-workflow). Post discharge, hospital would upload bills and download documents as per requirements of NHS within 96 hours.

**Infrastructure for interaction with BCA**

The Hospital shall have:

Dedicated personal Computer with Dual Core /core 2 DUO processor and minimum 2 GB RAM supported by UPS. OS should be Windows. Dedicated Colour scanner with a minimum resolution 200dpi. Scalable Broad Band Internet connectivity with minimum assured speed of 512 kbps.

Necessary security systems should be taken care of  
A designated Nodal Person to interact with BCA  
The Private Hospital would be legally responsible for user authentication.

**Processing of Claims / Bills by BCA:-**

The actual auditing shall start when physical copies containing complete information of these bills are submitted by concerned Hospital to the BCA on behalf of the NIMHANS.

The BCA during the course of the auditing shall restrict the claims as per CGHS rules and regulations. BCA shall also examine in terms of the following:

- \* Appropriateness of treatment including screening of patients records to identify unnecessary admissions and unwarranted treatments.
- \* Whether the planned treatment is shown as emergency treatment
- \* Whether the diagnostic medical or surgical procedures that were not required were conducted by hospital including unnecessary investigations.
- \* Maintaining database of such information of NHS beneficiaries for future use.
- \* whether the treatment procedures have been provided as per the approved rates and the packages.
- \* Whether procedures performed were only those for which permission has been granted.

The BCA shall record their findings and intimate the same to the Hospital concerned with a copy endorsed to NIMHANS. The payment of the bill / claim to the hospital concerned shall be made directly by NIMHANS after receipt of the bills which are duly adjudicated by the BCA.

The Hospital / Centre is required to pay processing fee to the Bill Clearing Agency. The processing Fee is as under:





Claim Amount Range	Process fee (Rs)
Below Rs. 500.00	7.00
Rs 501 to Rs 1000.00	15.00
Rs 1001 to Rs 5000.00	30.00
Rs 5001 to Rs 10000.00	150.00
Above Rs 1000.00	266.00

10. DUTIES AND RESPONSIBILITIES OF HOSPITALS / CENTERS

It shall be the duty and responsibility of the Hospital / Centre, at all times, to obtain, maintain and sustain the valid registration, recognition and high quality and standard of its services and health care and to have all statutory / mandatory licenses, permits or approvals of the concerned authorities under or as per the existing laws.

11. NON ASSIGNMENT

The hospital / centre shall not assign, in whole or in part, its obligations to perform under the agreement, except with the NIMHANS's prior written consent at its sole discretions and on such terms and conditions as deemed fit by the NIMHANS. Any such assignment shall not relieve the Hospital / Centre from any liability or obligation under this agreement.

12. HOSPITAL'S / CENTER'S INTEGRIT AND OBIGATIONS DURING AGREEMENT PERIOD

THE Hospital's / Centre is responsible for and obliged to conduct all contracted activities in accordance with the Agreement using state- of -the -art methods and economic principles and exercising all means available to achieve the performance specified in the Agreement. The Hospital / Centre is obliged to act within its own authority and abide by the directives issued by the NIMHANS. The Hospital / Centre is responsible for managing the activities of its personnel and will hold itself responsible for their misdemeanors, negligence, misconduct or deficiency in services, if any.

13. LIQUIDATED DAMAGES

13.1 The Hospital / Diagnostic Centre shall provide the services as per the requirements specified by the NIMHANS in terms of the provisions of this Agreement. In case of initial violation of the provisions of the agreement by the Hospital / Centre such as refusal of service or direct charging from the NHS Beneficiaries or defective service and negligence, in the first instance, the complaint will be examined by the NIMHANS authorities and if the complaint is found to be true the NIMHANS shall have the right to give a show cause notice to the Hospital to be replied within 10 days of its receipt, and the reply of the Hospital will be examined by a standing committee constituted for the purpose of deciding the appropriateness of the treatment or diagnostic procedures, as the case maybe. If the Committee concludes that the Hospital / Diagnostic Centre has violated the provisions of the Agreement necessary action will be taken for de-recognition of that Hospital. The decision of the NIMHANS will be final.

13.2 For over- billing and unnecessary procedures, the extra amount so charged will be deducted from the pending / future bills of the Hospital / Diagnostic Centre and the NIMHANS shall have the right to issue a written warning to the Hospital / Centre not to do so in future. The recurrence, if any, will lead to stoppage of referral to the Hospital / Diagnostic Centre.

*Hema H*  




#### 14. TERMINATION FOR DEFAULT

14.1 The NIMHANS May, without prejudice to any other remedy for breach of Agreement, by written notice of default sent to the Hospital / Centre terminate the Agreement in whole or part:

- a) If the Hospital / Centre fails to provide any or all of the services for which it has been recognized
- b) within the period (s) specified in the Agreement, or within any extension thereof if granted by the NIMHANS as the case may be, pursuant to Condition of Agreement, or If the Hospital / Center fails to perform any other obligation (s) under the Agreement.
- c) If the Hospital / Center in the Judgment of the NIMHANS has engaged in corrupt or fraudulent practices in competing for or in executing the Agreement.

14.2 If the hospital/center found to be involved in or associated with any unethical illegal or unlawful activities, the Agreement will be summarily suspended by NIMHANS without any notice and thereafter may terminate the Agreement, after giving a show cause notice and considering its reply if any, received within 10 days of the receipt of show cause notice.

14.3 In case of any violation of the provisions of the Agreement by the Hospital/Center such as ( but not limited to ) , refusal of service, refusal of credit facilities to eligible beneficiaries and direct charging from the NHS beneficiaries, undertaking unnecessary procedures, prescribing unnecessary drugs / tests, deficient or defective service, over billing and negligence in treatment, the NIMHANS shall have the right to de-recognize the hospital/center as the case may be.

#### 15. INDEMNITY

The hospital / Center shall at all times, indemnify and keep indemnified NIMHANS against all actions, suits, claims and demands brought or made against it in respect of anything done or purported to be done by the Hospital / Center in execution of or in connection with the services under this Agreement and against any loss or damage to NIMHANS consequent to any action or suit being brought against the NIMHANS along with (or otherwise), Hospital / Center as a party for anything done or purported to be done in the course of the execution of this Agreement. The Hospital /Diagnostic Center will at all times abide by the job safety measures and other statutory requirements prevalent in India and will keep free and indemnify the NIMHANS from all demands or responsibilities arising from accidents or loss of life, the cause or result of which is the Hospital / Center negligence or misconduct.

The Hospital / Center will pay all indemnities arising from such incidents without any extra cost to NIMHANS and will not hold the NIMHANS responsible or obligated. The NIMHANS may at its discretion and shall always be entirely at the cost of the Hospital Center defend such suit, either jointly with the Hospital / Center or singly in case the latter chooses not to defend the case.

#### 16. PAYMENT

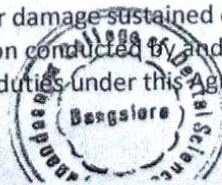
The payment will be made to the Hospital / Center within a period of 20 days from the date of submission of the bill accompanied with all necessary and supporting documents. This clause should be read with clause Number 09.

#### 17. MISCELLANEOUS

17.1 Nothing under this Agreement shall be construed as establishing or creating between the parties any relationship of Master and Servant or Principal and Agent between the NIMHANS and the Hospital /Center.

17.2 The Hospital / Center shall not represent or hold itself out as agent of the NIMHANS.

17.3 The NIMHANS will not be responsible in any way for any negligence or misconduct of the Hospital / Center and its employees for any accident, injury or damage sustained or suffered by any NHS beneficiary or any third party resulting from or by any operation conducted by and on behalf of the Hospital / Center or in the course of doing its work or perform their duties under this Agreement or otherwise.



*Handwritten signature*



17.4 The Hospital/Center shall notify the Government of any material change in their status and their shareholdings or that of any Guarantor of the Hospital / Center in particular Where such change would have an impact on the performance of obligation under this Agreement.

17.5. This agreement can be modified or altered only on written agreement signed by both the parties.

17.6. Should the hospital get wound up, partnership is dissolved, the NIMHANS shall have the right to terminate the Agreement. The termination of Agreement shall not relieve the hospital or their heirs and legal representatives from the liability in respect of the services provided by the Hospital during the period when the Agreement was in force.

17.7. The Hospital shall bear all expenses incidental to the preparation and stamping of this agreement.

18. NOTICES:

18.1 Any notice given by one party to the other pursuant to this Agreement shall be sent to other party in writing by registered post or by facsimile and confirmed by copy post the other party's address as below.

Director, NIMHANS, Hosur road, Bangalore – 560029

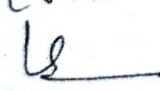
Hospital / Diagnostic Center with Address: **DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
Shavige Malleshwara Hills, Kumaraswamy Layout  
Bangalore - 560078

18.2 A notice shall be effective when served or on the notice's effective date, whichever is later Registered communication shall be deemed to have been served even if it is returned with remarks like refused. Left, premises locked etc.

IN WITNESSES WHERE OF, the parties have caused this Agreement to be signed and executed on the day, month and the year first above mentioned.

In the Presence of

Witnesses

1. ~~Sanjay~~  
~~(V. BHARATI PARRY AM)~~
2.   
(D.V.S. CHANDRA SHEKHAR)

Signed by



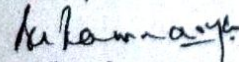
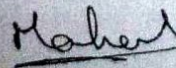
Registrar

NIMHANS

कुलसचिव / REGISTRAR  
राष्ट्रीय मानसिक स्वास्थ्य और  
संज्ञिक विज्ञान संस्थान, बंगलूरु  
National Institute of Mental Health  
& Neuro Sciences, Bangalore-560 021

In the presence of

(Witnesses)

1.   
DR. RAMNAYAN B K  
READER, DSCDS
2.   
DR. Mahesh D R -  
(Reader DSCDS)

Signed By

For and or behalf of (Hospital / Center)

Duly authorized vide resolution No..... dated.....

of (name of Hospital / Center

**Dr. Hemanth .M MDS., Ph.D.**  
**PRINCIPAL**  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.



भारत सरकार  
अंतरिक्ष विभाग  
यू.आर. राव उपग्रह केन्द्र  
पोस्ट बॉक्स नं. 1795, एच ए एल एयरपोर्ट रोड  
विमान पुर डाक, बेंगलूरु - 560 017, भारत  
फैक्स :  
दूरभाष :  
No. 020 (I)/URSC/CHSS/2019



Government of India  
Department of Space

**U.R. RAO SATELLITE CENTRE**

Post Box No. 1795, HAL Airport Road, Vimanpura Post  
Bangalore-560 017, India

Fax :

Telephone:

April 22, 2019

*The Administrator/Medical Director,  
M/s.Dayananda Sagar College of Dental Sciences,  
Shavige Malleshwara Hills,  
Kumaraswamy Layout,  
BANGALORE 560 078.*

*Kind Attn: Prof. Dr.Hemanth  
Principal  
Dr.Mahesh D.R.,  
Asst. Professor*

Dear Sir,

*Sub: ISRO/DOS-Contributory Health Service Scheme (CHSS) –  
Recognition of M/s.Dayananda Sagar College of Dental Sciences,  
Bangalore for Dental treatment. – reg.  
\*\*\*\*\**

*This has reference to your letter No.Nil dated 18.01.2019 and subsequent signing of the memorandum of agreement with us. We are pleased to inform the recognition of M/s.Dayananda Sagar College of Dental Sciences, Bangalore for CHSS beneficiaries of the DOS/ISRO Centres/Units in Bangalore including Department of Atomic Energy & TIFR Units for Dental treatment with immediate effect. A signed copy of the Memorandum of Agreement entered by this Centre recognizing M/s.Dayananda Sagar College of Dental Sciences, Bangalore is enclosed.*

Thanking you,

Yours Sincerely,

*(Gautami Sudarsan)*

*Sr. Administrative Officer-CHSS*

*Phone: 2508 4141/4139/Fax: 2508 4103*

*Email: [chss@ursec.gov.in](mailto:chss@ursec.gov.in)*

Encl: As above.

*W Q rly*



**AGREEMENT  
BETWEEN  
U R RAO SATELLITE CENTRE  
AND  
DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES,  
KUMARASWAMY LAYOUT, BANGALORE**

AN AGREEMENT made on the 15<sup>th</sup> day of April  
Two Thousand and Nineteen BETWEEN SR.HEAD, PERSONNEL &  
GENERAL ADMINISTRATION, U R RAO SATELLITE CENTRE,  
BANGALORE for and on behalf of the President of India (hereinafter called  
URSC which expression shall, unless repugnant to the context or meaning  
thereof, be deemed to mean and includes its successors and assignees)  
of the **First Part**

AND

**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES,  
SHAVIGE MALLESHWARA HILLS, KUMARASWAMY LAYOUT,  
BANGALORE 560078** hereinafter called the Hospital of the **Second Part**.  
WHEREAS, the Contributory Health Service Scheme (CHSS) Department  
of Space ISRO, administered through U R Rao Satellite Centre (URSC) is  
providing comprehensive medical care facilities to the beneficiaries.

AND WHEREAS, Contributory Health Service Scheme hereinafter called  
CHSS proposes to provide treatment facilities to the Beneficiaries in the  
Private Recognized Hospital in Bangalore.

AND WHEREAS, **DAYANANDA SAGAR COLLEGE OF DENTAL  
SCIENCES, KUMARASWAMY LAYOUT, BANGALORE 560078** offered  
to give the following treatment/diagnostic facilities to the Contributory  
Health Service Scheme Beneficiaries.

Dental Treatment  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



NOW, THEREFORE, IT IS HEREBY AGREED between the Parties as follows:

## 1. DEFINITIONS & INTERPRETATIONS

1.1 The following terms and expressions shall have the following meanings for purpose of this Agreement:

1.1.1 **“Agreement”** shall mean this Agreement and all Schedules, supplements, appendices, appendages and modifications thereof made in accordance with the terms of this Agreement.

1.1.2 **“Benefit”** shall means the extent or degree of service the beneficiaries are entitled to receive as per the rules on the subject.

1.1.3 **“Card”** shall mean the CHSS Card, issued by URSC/ISRO.

1.1.4 **“Beneficiary”** shall mean a person who is eligible for coverage of CHSS and hold a valid CHSS card for the benefit.

1.1.5 **“Hospital”** shall mean the Columbia Asia Hospital, Sarjapur Road, Bangalore performing tests / investigations X-ray etc.

1.1.6 **“Emergency”** shall mean any condition or symptom resulting from any cause, arising suddenly and if not treated at the early convenience, be detrimental to the health of the patient or will jeopardize the life of the patient.

1.1.7 **“Recognition of Hospital”** shall mean the Hospital empanelled for a particular period for providing treatment facilities and procedures etc., to the beneficiaries at the rates appended to this agreement.



- 1.1.8 **“De-recognition of Hospital”** shall mean debarring the hospital on account of adopting unethical practices or fraudulent means in providing medical treatment to or not following the good industry practices of the health care for the CHSS beneficiaries after following certain procedure of inquiry.
- 1.1.9 **“Party”** shall mean either URSC or the Hospital and **“Parties”** shall mean both URSC and Hospital.
- 1.1.10 **“Specialized treatment”** shall mean the treatment in a particular speciality.
- 1.1.11 **“Accounts Officer”** shall mean the Officer authorized by URSC to process the medical bills, reimbursement claims or to carry out medical audit.
- 1.1.12 **“Rates”** Shall mean the CHSS Schedule of Rates.
- 1.1.13 **“Competent Authority”** shall mean the authority to whom the powers delegated as such from time to time at URSC & DOS as per the CHSS Scheme.

1.2 Following Annexures shall be deemed to be an integral part of this Agreement.

1. Referral Letter (Form No.15) specimen-Annexure I
2. List of Accounts Officers for sending Bills for payment  
Annexure II
3. CHSS SOR Annexure III.

## 2. DURATION

The Agreement shall remain in force for a period of 2 years or till it is modified or revoked, whichever is earlier. The agreement may be extended for subsequent periods as required by URSC, subject to fulfillment of all the terms and conditions of this Agreement and with mutual consent.



### 3. REVISION OF RATES

In case the notified rates are revised by URSC after empanelment and such revised rates are not acceptable to the empanelled hospital, or for any other reason, the hospital no longer wishes to continue on the list of empanelled hospitals, it can apply for exclusion from the panel by giving three months notice.

### 4. GENERAL CONDITIONS

- 4.1 The rate being charged shall not be more than what is being charged for same procedure from other (non-CHSS) patients or institutions. An authenticated list of rates being charged for other non-CHSS institutions shall be forwarded to URSC within 10 days of this Agreement.
- 4.2 The empanelled Hospital shall provide services only for which it has been empanelled by URSC at rates fixed.
- 4.3 The Hospital agrees that any liability arising due to any default or negligence in providing or performance of the medical services shall be borne exclusively by the hospital centre which shall alone be responsible for the defect and / or deficiencies in rendering such services.
- 4.4 On production of a valid CHSS Card ~~referral letter~~ by the beneficiary, the hospital shall provide credit facilities to the beneficiary after verifying the photo in the CHSS card, URSC is not liable to pay in cases of impersonation or treatment of ineligible persons.
- 4.5 In case of any change in the infrastructure, the same shall be informed to URSC.



- 4.6 Authorized representative of the hospital shall attend the periodic meeting held by URSC required in connection with improvement of functioning of the Scheme.
- 4.7 The Hospital shall not make any commercial publicity projecting the empanelment of the Hospitals under this scheme.
- 4.8 The Hospital shall on completion of the treatment obtain the signature of the prime beneficiary on the final bill in token of verification. A copy of the bill shall be handed over to the beneficiary.
- 4.9 The Hospital shall not charge any extra amount from the beneficiary towards consumables used for procedures and for any treatment/procedures included in the Schedule of Rates(SOR).
- 4.10 **Additional Instructions**: As per DOS letter No.11012/5/2015-V dated 20.03.2015, the following instructions are to be followed for Dental treatment and Dental procedure in addition to the earlier instructions. The below instructions are to be complied with strictly.
- a) Number of fillings in a single sitting not to exceed 3.
  - b) On a single sitting, crowning should be done on one side and not to exceed 4.
  - c) Two procedures like gingival surgery and gingivoplasty should not be done on the same side on the same day. In the claim form, precise procedure name should be used, rather than using generic terms like gingivoplasty/gingival surgery.
  - d) Whether a full mouth gingival procedure is done, it should be done dividing the mouth into 4 quadrants and not 6.



- e) Multiple crowns are done in one sitting. This is not practiced usually. This may be a bridge work which is essentially a fixed partial denture. Splitting the bills as multiple crowns may be camouflage for fixed partial denture.
- f) Billing may be done for admissible procedures only and not for inadmissible procedures.

## 5. RESPONSIBILITIES OF THE HOSPITAL

- 5.1 The Hospitals should be professionally managed, well equipped and should be adequately staffed with qualified medical, paramedical and other personnel.
- 5.2 The Hospital should provide all necessary preventive, therapeutic, surgical or other services as may be required for beneficiaries.
- 5.3 The Hospital shall raise bills for payment only in terms of the rates specified in the Annexure to this contract.
- 5.4 The Hospital shall provide a monthly report in digital format to the Chief Medical Officer, URSC giving admission and discharge details of all the beneficiaries under treatment during the month in the following format:

Name of the Patient	:
CHSS Registration No	:
Diagnosis	:
Date of admission	:
Date of discharge (if any)	:
Consultant Doctor	:
Ward / Room No.	:



- 5.5 Hospitals shall provide all necessary information for the purpose of settling bills expeditiously.
- 5.6 The Hospital shall along with the bill submit a Discharge Summary for each beneficiary containing the admission details, diagnosis, medical procedures and management, diagnosis test, etc.

## 6. RESPONSIBILITIES OF URSC

URSC shall endeavor to make all payments due to the Hospital/Diagnostic Centre within reasonable period.

## 7. CONTACT PERSONS

- 7.1 For U R Rao Satellite centre: Chief Medical Officer (CMO)
- 7.2 For Hospital: General Manager(GM)

## 8. NON ASSIGNMENT

- 8.1 The Hospital shall not assign, in whole or in part, its obligations to perform under the agreement, except with the prior written consent of URSC. Any such assignment shall not relieve the Hospital from any liability or obligation under this agreement.
- 8.2 For over-billing and unnecessary procedures, the extra amount so charged will be deducted from the pending / future bills of the Hospital and URSC shall have the right to issue a written warning to Hospital not to do so in future. The recurrence, if any will lead to the stoppage of referral to that Hospital.



## 9. TERMINATION FOR DEFAULT

9.1 URSC may, without prejudice to any other remedy for breach of Agreement, by written notice of default sent to the Hospital, terminated the Agreement in whole or part.

(a) If the Hospital fails to provide any or all of the service for which it has been recognized within the period (s) specified in the Agreement, or within any extension thereof if granted by URSC pursuant to condition of Agreement

(b) If the Hospital fails to perform any other obligation (s) under the Agreement.

(c) If the Hospital, in the judgment of URSC has engaged in corrupt or fraudulent practices in competing for or in executing the Agreement.

9.2 If the Hospital found to be involved in or associated with any unethical illegal or Unlawful activities, the Agreement will be summarily suspended by URSC without any notice and thereafter may terminate the Agreement; after giving show cause notice and considering its reply if any, received within 10 days of the receipt of show cause notice.

9.3 In case of any violation of the provision of the Agreement by the Hospital such as a ( but not limited to), refusal of service, refusal of credit facilities to eligible beneficiaries and direct charging from the beneficiary undertaking the unnecessary procedures, prescribing unnecessary drugs / tests, deficient or defective service, over billing and negligence in treatment , the URSC shall have the right to de-recognize the hospital as the case may be.



## 10 INDEMNITY

The Hospital shall at all times, indemnify and keep indemnify URSC against all action, suits claims and demands brought or made against it in respect of anything done or purported to be done in the Hospital in execution of or in connection with the services under this Agreement and against any loss or damage to URSC/ the Government in consequence to any action or suit being brought against the CHSS/The Government along with ( or otherwise ) Hospital as a party for anything done in the course of execution of this Agreement. The Hospital all times abide by the job safety measure and other statutory requirements prevalent in URSC from all demands or responsibilities arising from accidents or loss of life, the cause or result of which is attributable the Hospital .

The Hospital will pay all indemnities arising from such incidents without any extra cost to URSC and will not hold URSC responsible or obligated. URSC may at its discretion and shall always be entirely at the cost of the Hospital defend such suit, either jointly with the Hospital or independently in case the latter chooses not to defend the case.

## 11 RATES:

- 11.1 The Hospital shall be paid for the services rendered in terms of the Annexure to this contract.
- 11.2 The Hospital will be entitled to payment only in terms of the rates contained in the CHSS Schedule of Rates and no additional amount relating to consultation, cross-consultation, treatment, procedures, tests, operations or any other related matter shall be claimed in the bills submitted to URSC.
- 11.3 Diet charges are not admissible under the CHSS and should be claimed directly from the beneficiary.



11.4 All other miscellaneous charges like telephones calls, etc are not admissible under the CHSS and should be claimed directly from the beneficiary.

11.5 The charges for the operations listed in the schedule are inclusive of the Surgeon's fee, Anesthetist fee and operation theatre charges and the hospital shall not bill these items separately.

11.6 If, during an operation for the primary ailment, a second surgical procedure is to be undertaken as a part of the primary surgical procedure, the rate for second procedure will be limited to 50% of CHSS Schedule of Rates.

## **12 PAYMENT :**

12.1 The bills towards the treatment of beneficiaries are required to be submitted in prescribed format to the respective Accounts Officer as indicated in the ANNEXURE. A Xerox copy of CHSS card (both sides) may be enclosed.

12.2 The Hospital shall extend its services to the beneficiaries on credit basis and the beneficiaries shall not be made to pay any charges directly to the Hospital except for the charges mentioned in the clauses 12.3 & 12.4.

## **13. ARBITRATION**

If any dispute or difference of any kind whatsoever (the decision is not herein otherwise provided for) arises between URSC and the Hospital / Diagnostic Centre upon or in relation to or in connection with or arising out of the Agreement, shall be referred to Controller, U R Rao Satellite Centre, Bangalore for arbitration who will give written award of his/her decision to the parties. The decision of the Controller (Arbitration) be final and binding. The provisions of the Arbitration and Conciliation Act, 1996 shall apply to the arbitration proceedings. The venue of the arbitration proceedings shall be decided by the Arbitrator.



## 14. MISCELLANEOUS

14.1 Nothing under this Agreement shall be construed as establishing or creating between the parties any relationship of Master and Servant or Principal and Agent between URSC and the Hospital.

- a. The Hospital shall not represent or hold itself out as agent of the URSC.
- b. URSC will not be responsible in any way for any negligence or misconduct of the Hospital and its employees for any accident, injury or damage sustained or suffered by any beneficiary or any third party resulting from or by any operation conducted by and on behalf of the Hospital in particular where such change would have an impact on the performance of obligation under this Agreement.
- c. This Agreement can be modified or altered only on written agreement signed by both the parties.
- d. Should the Hospital get wound up or partnership is dissolved, URSC shall have the right to terminate the Agreement and shall not relieve the hospital or their heirs or legal representatives from the liability in respect of the services provided by the Hospital during the period when the Agreement was in force.

## 15. OTHER GENERAL TERMS:

15.1 Dental treatment shall not be undertaken in the hospital unless it is required to be done as part of general surgical treatment or in the case of patients who have developed serious systemic diseases.

15.2 Treatment for infertility is not approved under the CHSS.

15.3 Treatment taken in branches of the Hospital will not be admissible for re-imburement.

15.4 The recognition of the Hospital under the CHSS may be terminated by either party on one month's notice in writing.

P.T.O



**16. DISPUTES**

All disputes & differences, arising out of this agreement shall be settled mutually by the parties. If there is no settlement reached, the matter shall be referred to the Arbitration.

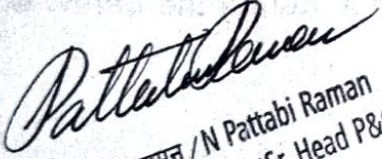
**17. INCOME TAX.**

Tax at Source as applicable will be deducted from time to time.


**18. EFFECTIVE DATE OF CONTRACT**

The contract is entered into and effective from the 15<sup>th</sup> day of April Two Thousand and Nineteen in WITNESS WHERE OF the parties hereto have signed, sealed and delivered this agreement on the day, month and year written above in presence of the witness:

Signed By:

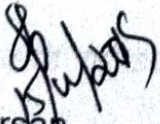
  
Sr. Head P & GA, URSC  
(For and on behalf of  
President of India)

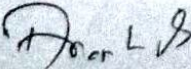
Signed By:



HOSPITAL /  
DIAGNOSTIC CENTRE  
Name:  
Designation: **PRINCIPAL**  
Seal: **D. Annanda Sagar College of Dental Sciences**  
**Kumaraswami Layout,**  
**Bangalore - 560078.**

WITNESSES:

  
1. Gautami Sudarsan  
Sr. Administrative Officer (C)  
URSC

  
2. Anantha V  
Admin. Officer (C)  
URSC

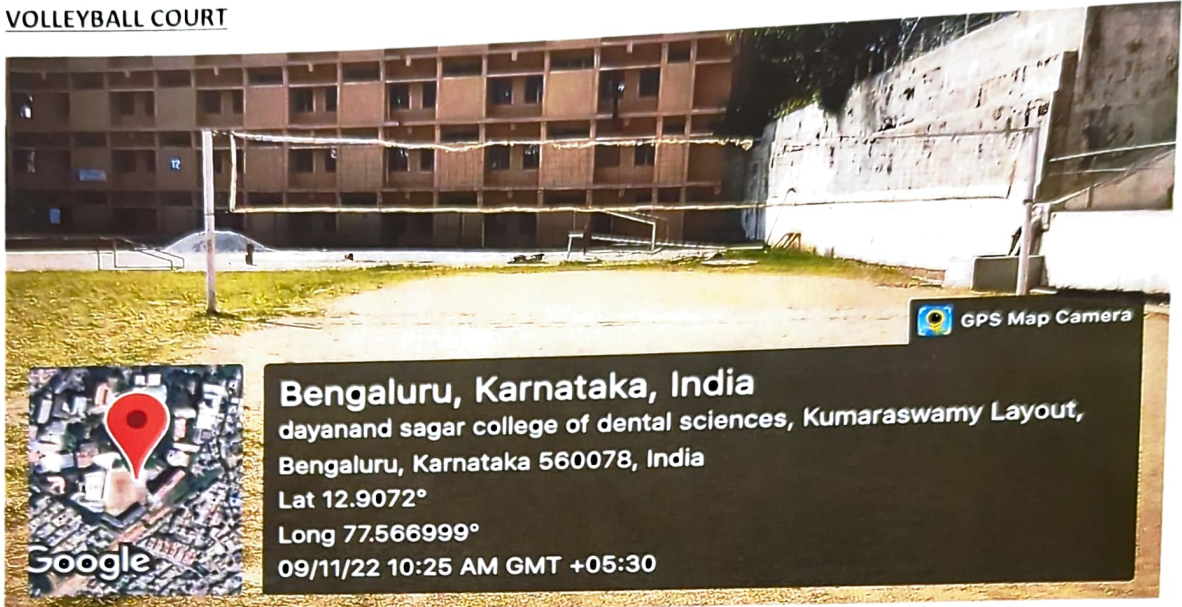
WITNESSES:

1.

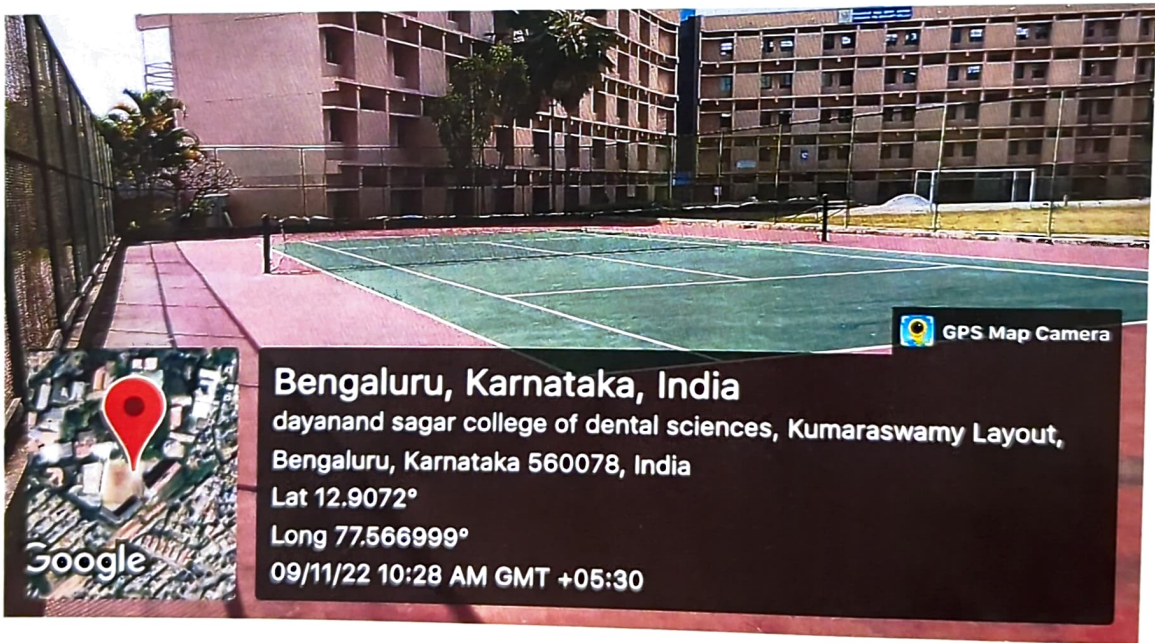
2.




**VOLLEYBALL COURT**




**TENNIS COURT**




  
PRINCIPAL  
Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout  
Bengaluru - 560 078




**GYMNASIUM**



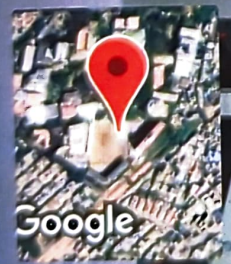
GPS Map Camera



**Bengaluru, Karnataka, India**  
dayanand sagar college of dental sciences, Kumaraswamy Layout,  
Bengaluru, Karnataka 560078, India  
Lat 12.9072°  
Long 77.566999°  
09/11/22 10:34 AM GMT +05:30



GPS Map Camera



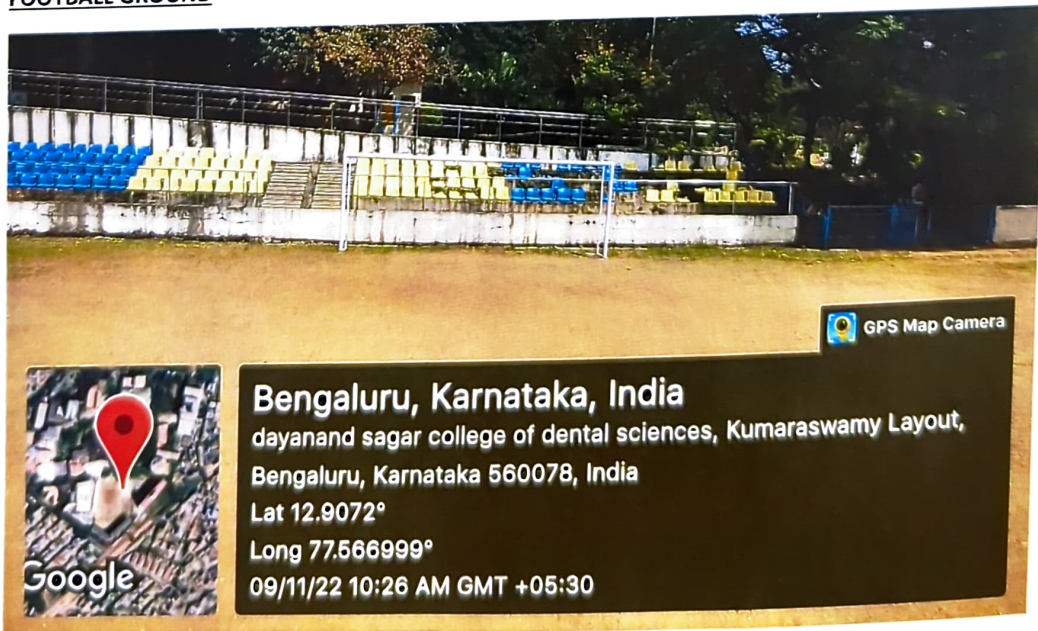
**Bengaluru, Karnataka, India**  
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Bengaluru, Karnataka 560078, India  
Lat 12.9072°  
Long 77.566999°  
09/11/22 10:34 AM GMT +05:30

  
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Bangalore - 560 078.

**BASKETBALL COURT**



**FOOTBALL GROUND**



  
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Kumaraswamy Layout,  
Bangalore - 560 078.



**OUR STUDENT MENTORSHIP AND COUNSELOR PROGRAM- A HALLMARK**



**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
Shavige Malleshwara Hills, Kumaraswamy Layout  
Bangalore 560 07

DSCDS/Internal/2021/06

February 3, 2021

**CIRCULAR**

The first mentor-mentee meeting for the current year is scheduled on February 6, 2021, from 9.15am onwards for all the 1st to 4th year BDS students. Please find the mentor-mentee allocation below. All the students will have to purchase the mentorship manuals from 'Corveno' before the Mentor-Mentee meeting scheduled on February 6, 2021 and be present for the meeting on time without fail.

**Mentorship committee**

**Principal**

Copy to -

1. Principal's office
2. Mentorship committee
3. Notice board





DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES  
Shavige Malleshwara Hills, Kumaraswamy Layout  
Bangalore 560 07

DSCDS/Internal/2021/20

July 6, 2021


CIRCULAR

Our students are facing unforeseen difficulties due to the second wave of Covid -19 and the fast approaching exams are only adding to their stress. We as mentors can help them face these challenges with our experienced and caring guidance. Hence, the mentors are requested to conduct the mentor-mentee meetings on 10/07/2021 between 9.30 am and 11:00 am and send the reports to the committee. The meeting can be conducted online or offline. The mentors are hereby instructed to get in touch with the mentees and develop a plan for conducting the meeting. You may share your online platform link and schedule the meeting after discussing with the speakers for the day as given below.

An Orientation talk before restarting the Mentor-Mentee meeting will be delivered on 10/07/21 at 9:00 am by

- 1) Dr. Veena Pai S - 1<sup>st</sup> year students
- 2) Dr. Brunda K - 2<sup>nd</sup> year students
- 3) Dr. Sangeetha R - 3<sup>rd</sup> year students
- 4) Dr. Gargi.S. Murthy - 4<sup>th</sup> year students

Let us work together and contribute to the success of this program.

  
Dr Hemanth M  
Principal  
Chairperson -Mentorship committee

Copy to:

1. Teaching Staff Whatsapp group
2. Office Copy



**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**  
Shavige Malleshwara Hills, Kumaraswamy Layout  
Bangalore 560 076


DSCDS/Internal/2021/037

October 4, 2021

**CIRCULAR**

The third mentor -mentee meeting for the current year is scheduled on Saturday 09/10/2021, from 9:15am onwards for all the students from I BDS to IV BDS. The meeting can be conducted online or offline. The mentors are requested to conduct the mentor - mentee meetings and mail the report to the committee at [mentorshipdscds@gmail.com](mailto:mentorshipdscds@gmail.com)

The regular classes for students on 09/10/2021 remain cancelled.

  
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Bangalore - 560 076.

Copy to :

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2. Office copy





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Bangalore 560 076

DSCDS/Internal/2022/41

June 09, 2022

**CIRCULAR**

This is to inform all the teaching faculty, BDS students, and Interns that **mentor mentee meeting** has been scheduled for **11/06/2022 (Saturday) from 9.30 am to 12.30 pm**. The classes will be suspended on that day for First to Third BDS students. Final year students can attend the meeting and continue with their clinical postings. Students should bring the mentorship manual to the meeting without fail.

**PRINCIPAL**

**PRINCIPAL**

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Kumaraswamy Layout,  
Bangalore - 560 078.

Copy to: Teaching Faculty whatsapp group.

First to Final BDS Department Groups via DSCDS whatsapp group

Interns whatsapp group

Office Copy



**Dayananda Sagar College of Dental Sciences,**  
**Shavige Malleshwara Hills, Kumaraswamy Layout,**  
**Bengaluru**

DSCDS/Internal/2018-19/

Date: 01/09/2018

**POLICY DOCUMENT**

**MENTORSHIP PROGRAM FOR STUDENTS**

**What is Mentorship Programme?**

Student success is at the core of any academic institution and, we at DSCDS believe that it is a shared responsibility. Mentoring is an exciting complex phenomenon that is natural or artificially contrived to benefit individuals within a sharing partnership (Palmer, 1987). DSCDS offers unique mentorship programme where students have the opportunity to develop a relationship with a faculty member who can become a role model and advocate for the student by offering support and also counsel.

We at DSCDS believe that mentoring of all sorts can greatly enhance students' experience and assist them in actively engaging in educationally-purposeful activities which are known to improve their success. Mentoring can assist students in engaging as part of a larger community; it can strengthen them to recognize their skills, abilities, and interests, and assist them in thinking through and accomplishing long-term goals.

Mentoring can take several forms including career exploration and life skills development. By pairing faculty or staff members with students over the course of an academic year, with scheduled meetings in a comfortable environment, the students will be given the opportunity to talk about his or her academic needs, share his or her goals, and discuss concerns and needs. The mentoring activities and support encourage academic excellence, self-esteem, and personal growth of the students.

**Why Mentorship Programme?**

1. Students in health sciences are exposed to a unique learning environment in which they not only interact with their peer group and faculty but also with the patients and their attendants. This requires special skills which can be honed by mentoring programs.

*H. H.*



2. The learning atmosphere in health sciences institutions are demanding and challenging. "Performance culture" is ingrained into the learning system which places stress on students. Mentoring can help in providing guidance to students and also can act as stress busters.
3. Students need a support system which can guide, care and counsel during the learning process which is readily provided by apt mentorship programs.
4. Students undergo commonly psychological upheavals while doing professional studies which needs enormous amount of social, psychological and personal adjustments. Such an adjustment is possible under the close guidance of a mentor with whom the mentee will have a trustful relationship.
5. Academic performance can certainly get boosted when personal psychological and social issues are resolved by the assistance of a mentor.
6. Parents of the students may probably feel more comfortable when their wards are supervised and guided by mentors.
7. A mentor maybe a role model for the mentee so that the mentee can grow into the shoes of the mentor. Goal setting becomes easier.
8. It provides a feedback system- feedback is central to mentoring and is a great tool to enhance and embed learning.
9. It is not exclusive – but actually complements other methods of learning.

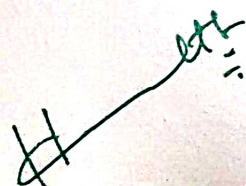
We at DSCDS believe in giving the best for our students and hence we have a mentorship program to help them sail through the course smoothly.

### **Who is a Mentor?**

A mentor is a person or friend who guides a less experienced person by building trust and modelling positive behaviours. An effective mentor understands that his or her role is to be dependable, engaged, authentic, and tuned into the needs of the mentee. We have carefully chosen mentors, who have experience and eager to help our students.

### **Who is a Mentee?**

The mentee is the student who needs to absorb the mentor's knowledge and have the ambition and desire to know what to do with this knowledge. As a student, the mentee needs to practice and demonstrate what has been learned.



- The students under the respective mentor are supposed to complete their clinical work, field work and project work within the stipulated period of time.

### **Responsibilities of the Mentor**

1. Advisor and coach: provide advice, guidance, and feedback; share their experience and expertise as appropriate; act as a sounding board for ideas and action plans.
2. Leader and motivator: offer encouragement and support to try new things; help mentees move out of their comfort zones; celebrate successes; help mentees understand when things do not go as planned
3. Counsellor: a sounding board when the mentee is solving a problem or making a difficult decision. As a confidant, the mentor helps the mentee to clarify the real issues involved and to see the bigger picture.
4. Facilitator: takes action that will indirectly smooth the way for something else to happen; starting a process that will help the mentee to pursue their goals
5. Resource and recommendations: identify resources that will help mentees with personal development and growth, such as recommending books, workshops, or other learning tools.
6. Devil's advocate and "truth-sayer": provide the tough feedback that mentees need to hear in order to move forward; push mentees to take risks when appropriate; help mentees consider and weigh potential consequences of decisions and actions to avoid the pitfalls and predictable surprises that may occur.

### **Responsibilities of the Mentee**

1. Allow your mentor to take the lead in the relationship, at least initially. Listen and respect the opportunities, limitations and format of the relationship he or she is able to provide for you. Always act with courtesy and respect towards your mentor.
2. Use active listening skills during discussions with your mentor. Be careful not to interrupt, unless you need to clarify a point and you see no other opportunity or pause.
3. Prepare the goals and objectives you have for your career. Be prepared to ask for specific guidance and advice on your goals, plans and strategic ideas.
4. Take the initiative to ask for feedback. Feedback, although difficult to hear at times, is critical to your personal and professional growth and development.
5. Always be considerate and respect your mentor's time as you do your own.

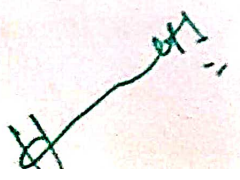




## **Duties of the Faculty Mentor**

- To meet with mentees during the last week of every month. To contact mentees if they have not heard from them by their designated due dates.
- Express your expectations for the relationship and define what you hope to gain from and offer to the relationship
- Organising and co-ordinating student learning activities in practice.
- Supervising students in learning situations and providing them with constructive feedback on their achievements.
- Setting and monitoring achievement of realistic learning objectives
- Our mentors are going to keep a constant watch on the progress of their students. Assessing total performance – including skills, attitudes and behaviors.
- Liaising with others to provide feedback, identify any concerns about the student's performance and agreed action when appropriate.
- To facilitate personal growth and development and assists with career progression, while guiding the mentee through the clinical, educational, social and political networks of the working culture.
- Mentors will report to the Chief Mentor, the progress made by the students under their mentorship and also discuss about the problems and challenges faced by the students with a thorough note of strengths and weaknesses.
- Mentors will notify the Chief Mentor, via the Mentorship report form, if the student displays positive or negative attribute that distinguishes them from their peers or if there are any concerns regarding professionalism in any student.

## **Duties of the Mentee**

- To contact their mentor to set up a meeting.
  - To meet their mentor during the last week of every month.
  - To fill out their mentorship form before their mentorship meeting.
  - Students are supposed to report to the mentors periodically for any problems that they face with respect to studies or otherwise.
  - Every student should lend himself/herself to be mentored so that the best in the student can be extracted.
- 

6. Demonstrate that you have followed advice or commitments for action at every opportunity, even if you have modified your plan.
7. Make only positive or neutral comments about your mentor to others. If you disagree with your mentor's values, behaviors, or attitudes, discuss it with him/her directly. Respect your mentor's confidence and trust.
8. Keep the door open to return to your mentor for assistance or advice at a future time.
9. Follow up with your mentor after termination to keep in touch, to share your progress and to continue to express your gratitude.

### **Term of the Mentorship committee members**

The term of the committee members would be for 3 years.

### **Meetings of Committee members**

Three meetings will be held each year. One meeting will be an internal committee members meeting & every alternate meeting will be a full committee meeting.

### **Mentorship process outline**

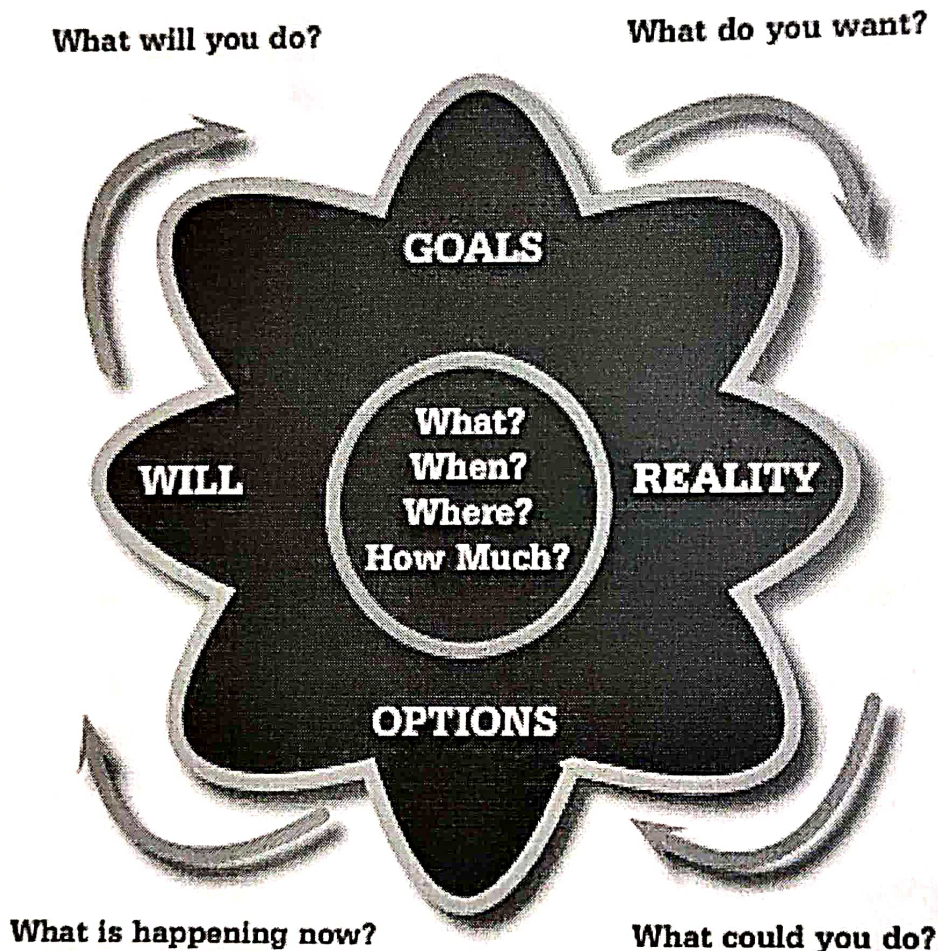
1. Regular mentor mentee meeting will be held during the last week of every month.
2. Meeting will be conducted in an organized manner.
3. Meeting will be done in a conducive environment and with adequate privacy. GROW model will be applied during the mentorship session.
4. Discussion points will be documented and a summary report will be prepared. In case of confusions and/or need for clarifications one will bring the issues to the notice of chief mentor.
5. The monthly summary report will be submitted to the chief mentor within 7<sup>th</sup> of every month.
6. Once in 4 months committee meeting will be held. Every alternate meeting will be a full committee meeting. These reports will be submitted to the chairperson.





## Mentoring using the **GROW** model

The GROW model is a good way to structure a meeting with your mentee. You can either start with the goal and work logically through the model or you can move the model around, starting with the reality and then the goal, if this works best. Remember to always finish with the way forward and ensure that this is set and owned by the mentee. The model is outlined below.



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## Conceptual Framework – Mentoring GROW model

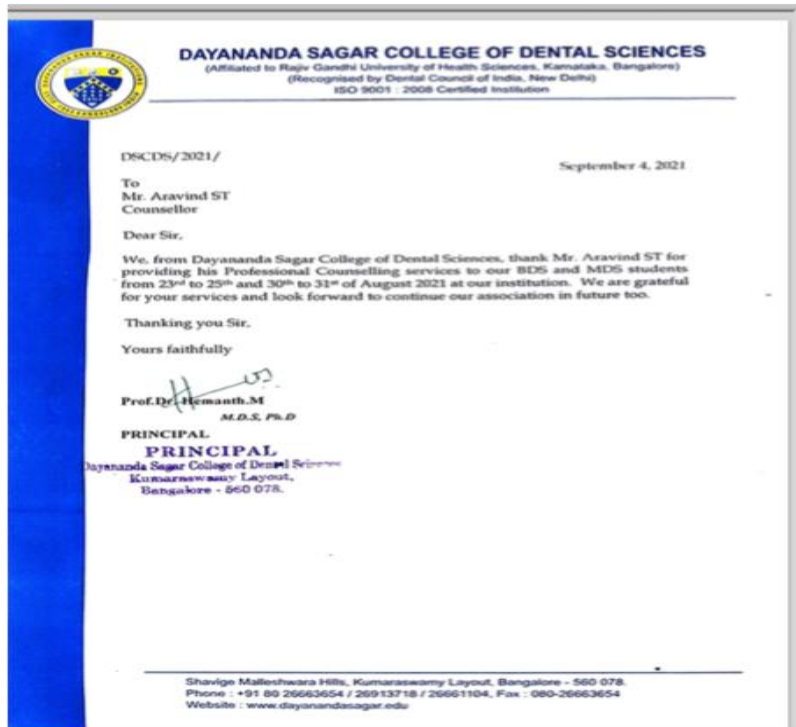
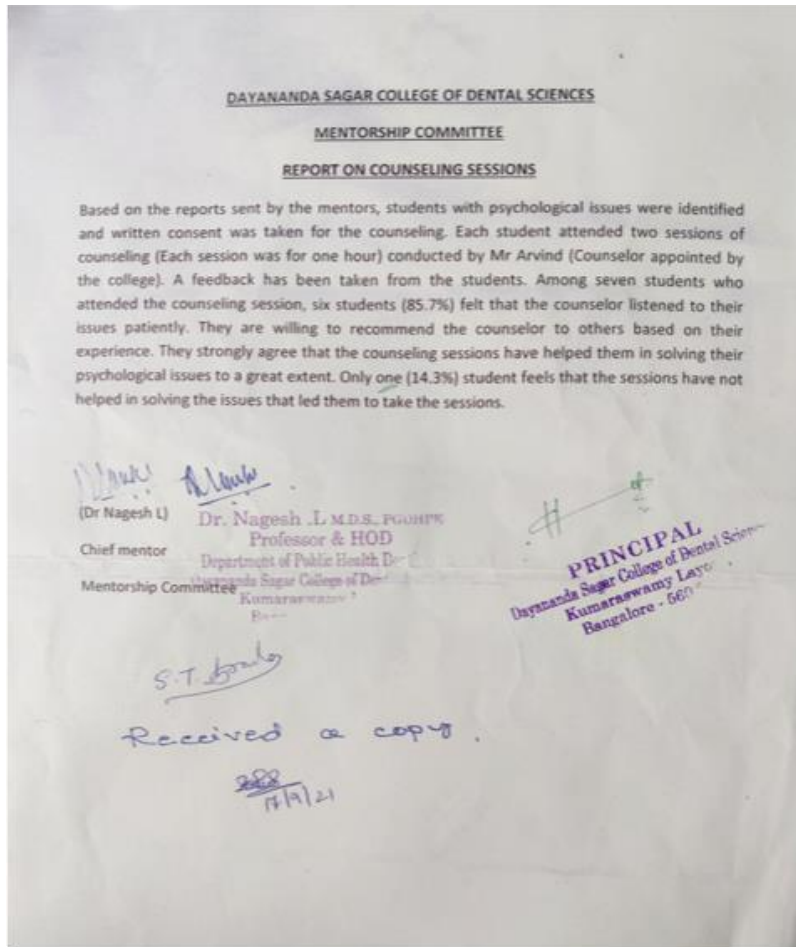
	Objective	Example questions
Goal	<ul style="list-style-type: none"> <li>• Agree the discussion topic</li> <li>• Agree specific objectives for the session</li> <li>• Set a long-term goal or aim if this is appropriate</li> </ul>	<ul style="list-style-type: none"> <li>• What would you like to discuss?</li> <li>• What do you want to achieve in this session?</li> <li>• What differences would you like to see on leaving this session?</li> <li>• Do we have sufficient time for you to be able to attain this?</li> </ul>
Reality	<ul style="list-style-type: none"> <li>• Invite self-assessment of topic or situation</li> <li>• Give specific examples of feedback</li> <li>• Check assumptions for validity</li> <li>• Discard irrelevant assumptions and history</li> </ul>	<ul style="list-style-type: none"> <li>• How do you know this is accurate?</li> <li>• How often does this occur?</li> <li>• What impact or effect does this have?</li> <li>• Are there other factors that are relevant?</li> <li>• What is X's perception of the situation?</li> <li>• What have you done or tried to date?</li> </ul>
Obstacles	<ul style="list-style-type: none"> <li>• Identify obstacles</li> <li>• Find out if the mentee thinks there is more than one</li> <li>• You should consider and decide the different types: people, resources, environment etc.</li> </ul>	<ul style="list-style-type: none"> <li>• What prevents you from achieving your goal?</li> <li>• What else could be preventing you?</li> <li>• What personal changes do you think you would need to make to achieve your goal?</li> <li>• What is hindering you from changing?</li> <li>• Do any of your direct/indirect behaviours, attitudes, competencies, skills etc contribute to or help the situation?</li> </ul>
Options	<ul style="list-style-type: none"> <li>• Make sure to cover the full range of options</li> <li>• Invite suggestions from the mentee</li> <li>• Offer suggestions carefully</li> <li>• Ensure mentee makes the option choices</li> </ul>	<ul style="list-style-type: none"> <li>• What alternatives are there to that approach?</li> <li>• Who might be able to help you?</li> <li>• Would you like me to make suggestions?</li> <li>• Can you identify the pros and cons for that option?</li> <li>• Do you have a preferred option you'd like to act on?</li> </ul>
Way forward	<ul style="list-style-type: none"> <li>• Get a commitment to act</li> <li>• Identify the potential obstacles</li> <li>• Plan detailed actions within a set timeframe</li> <li>• Agree what support will be given</li> </ul>	<ul style="list-style-type: none"> <li>• What are your next steps?</li> <li>• What timeframe will you set?</li> <li>• Can you anticipate anything getting in your way?</li> <li>• How will you keep a log of your progress?</li> <li>• What support might you need?</li> <li>• How and when can you get that support?</li> </ul>



## Conceptual Framework – Mentoring GROW model

	Objective	Example questions
Goal	<ul style="list-style-type: none"> <li>• Agree the discussion topic</li> <li>• Agree specific objectives for the session</li> <li>• Set a long-term goal or aim if this is appropriate</li> </ul>	<ul style="list-style-type: none"> <li>• What would you like to discuss?</li> <li>• What do you want to achieve in this session?</li> <li>• What differences would you like to see on leaving this session?</li> <li>• Do we have sufficient time for you to be able to attain this?</li> </ul>
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# COUNSELLING SESSIONS FOR STUDENTS WITH PSYCHOLOGICAL ISSUES





## **ADDING THE SPIRITUAL QUOTIENT**

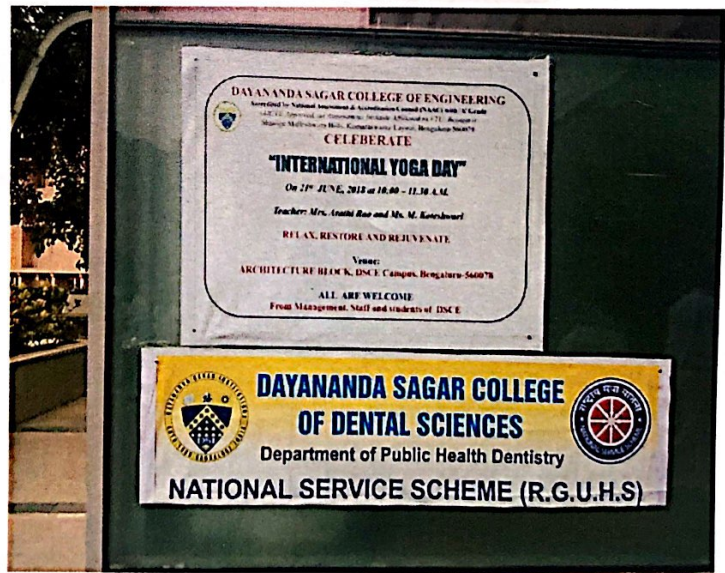
**DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES**


**YOGA DAY REPORT- JUNE 2018**

On the occasion of International Yoga Day, Dayananda Sagar College of Dental Sciences, NSS unit in collaboration with Dayananda Sagar College of Physiotherapy conducted Yoga programme for the interns, faculty and PG students. The program was conducted in Architecture building ground floor on 21/6/18 from 10 am to 11.30 am. The program started with key note address by our chief guest Sri. Galiswamy, Secretary, DSI followed by Dr Hemanth M, Principal, DSCDS and Dr Anil John, Principal, DSCP. Dr Srihari Sharma KN, Professor, Dayananda Sagar College of Physiotherapy and also a certified SVYASA yoga instructor explained the benefits of yoga followed by practice session. The instructor stressed about inculcating yoga as a part of life everyday. The program ended on a good note by thanking the Chief guest, yoga instructor, Principal and staff of Dayananda Sagar College of Dental Sciences and Dayananda Sagar College of Physiotherapy.

  
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Kumaraswamy Layout,  
Bangalore - 560 078.





  
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Dayananda Sagar College of Dental Sciences  
Kumaraswamy Layout,  
Bangalore - 560 078.



# Dayanand Sagar college of Dental Sciences

Yoga Day -Attendees

21-06 -2018


SI No	Names	SI no	Names
1.	Dr.Aesha Akhtar	49	Nishmitha Shetty
2.	Dr Sathendra K	50	Raveena Ravindran
3.	Dr.Sowmya K	51	Renuka Choudhary
4.	Dr.Aswathy Menon KV	52	Mervin Harris
5.	Dr.Arпита Deb	53	Igam Dohe
	a Dr. Kumara Raju Kurapati	54	J Shruthi
6.	Dr.Ancy Kuria Kose	55	Krishna Mohandas
7.	Dr.Rose Maria Jose	56	Krishnendu S
8.	Dr.Beedam Bhargavi	57	Lakshmi M
9.	Dr.Nikhila G	58	Manasa GD
10.	Dr.Sourav Sarkar	59	Asjadi sheikh
11.	Dr.Reshma S	60	Aswathi Nambiar
12.	Dr.Cyriac Philip	61	Bhavana Basnett
13.	Dr.Yogitha Gupta	62	G Praveen Kumar
14.	Dr.Sumitra B	63	Gayathri R
15.	Dr.Sachin Shaji M	64	Akshata YS
16.	Dr.Prerana Gopal	65	Alyssa Maria
17.	Dr.Dave Bhumit Pradip	66	Anil Kumar
18.	Dr.Mahesh PC	67	Anisha Yohannan
19.	Srilakshmi K	68	Anusha K V
20.	Srikar Gade	69	Anushka Tyag
21.	Tina Mariam Thomas	70	A B Arshana
22.	Vaibhavi R	71	Adtyan PB
23.	Varun	72	Aditi UA
24.	Sri Ramya R	73	Aditya Kiran
25.	Siddharth Venugopal	74	Satyam Kashyap
26.	Sitar Chozom Lama	75	Sera Mariam
27.	Sneha PK	76	Shantanu Kumar
28.	Spandana	77	Shreekumar
29.	Dr.Harshitha V S	78	Dr.Shravya S Girji
30.	Dr.Saeeda Patel	79	Dr.Niveditha S
31.	Dr.Parvathy P	80	Dr.Naval Abdul Aziz
32.	Dr.Saumya Walia	81	Dr.Shruti R
33.	Dr.Suryavanshi vinay	82	Dr.Chandni Gupta
34.	Dr.Urvashi Tanwar	83	Dr.Aparajita Dutta
35.	Dr.Prakruthi SN	84	Dr.Reshma Banu
36.	Dr.Sujina Sudarsanan	85	Dr.Amtul Salma

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Bangalore - 560 078.



37.	Dr. Theresa Mathew	86	Dr. Aparna K
38.	Dr. B.R Shreya	87	Dr. Apurba Saharia C
39.	Dr. Sanda Aamani	88	Dr. Dhruvi Parikh
40.	Dr. Sonika KV	89	Dr. Varsha
41.	Dr. Vaishali	90	Dr. Mitta Mounisha
42.	Dr. Nancy R	91	Dr. Qaiser Nazir
43.	Dr. Shaurya Verma	92	Dr. Naila Perween
44.	Dr. Iti Badola		
45.	Dr. Nadira Jabeen S		
46.	Dr. Tejashwini Annigeri		
47.	Dr. Nageswaran GR		
48.	Dr. Ashitha Alex		

  
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# Dayananda Sagar College of Dental Sciences

## Department of Public Health Dentistry

### INTERNATIONAL YOGA DAY 2019

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***Practice yoga to transform your body and mind physically, mentally and spiritually.***

Yoga boosts mental and physical health and improves the overall well-being. The United Nations declared June 21 as International Day of Yoga in 2015, and it has inculcated awareness about the spiritual discipline among people all across the globe.

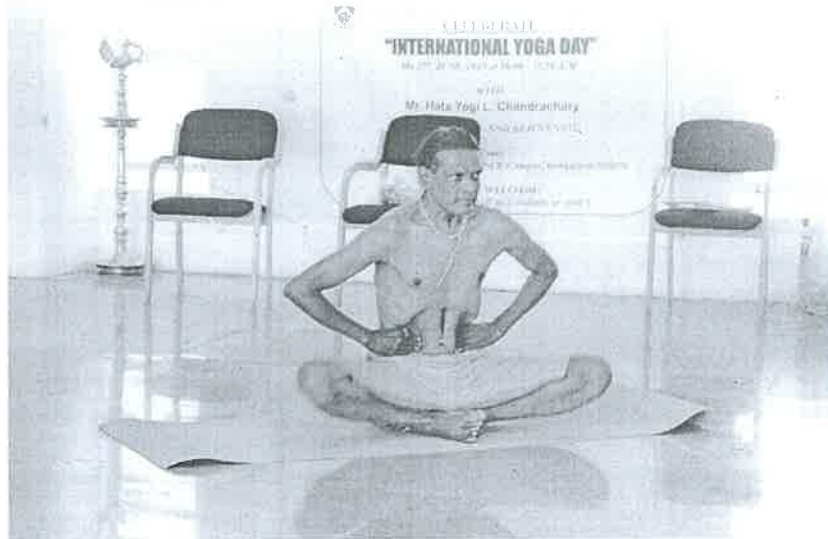
Dayananda Sagar College of Dental Sciences along with Dayananda Sagar College of Engineering observed 'International Yoga Day' in the DSI campus on June 21<sup>st</sup> 2019. The program was scheduled between 10:00am to 12:00 noon at the Architecture Block. The chief guest for the program was Mr Hata Yogi L Chandrachi, a renowned Yoga expert practicing yoga since 25 years. The event was inaugurated by our honorable Secretary, Sri Galiswamy, Dr. CPS Prakash, Principal, DSCE and Dr. Hemanth M, Principal, DSCDS. Around 200 staff of various departments of DSI took part in the program.

Nouli Kriya and Udyana Bandha were demonstrated by the chief guest Mr. Chandrachi to the staff. Various Yoga exercises were instructed to the staff of DSI by yoga instructor Dr. Sudhindra. Meditation and Laughter Yoga was taught and we were made to practice the same.

In a world where non-communicable diseases, stress and lifestyle related ailments are rising, Yoga can play a central role in mitigating these diseases to create a healthy mind and body. This program was useful for everyone in understanding the important benefits of Yoga and how to practice it in their daily life. The program was well appreciated by all the participants.

  
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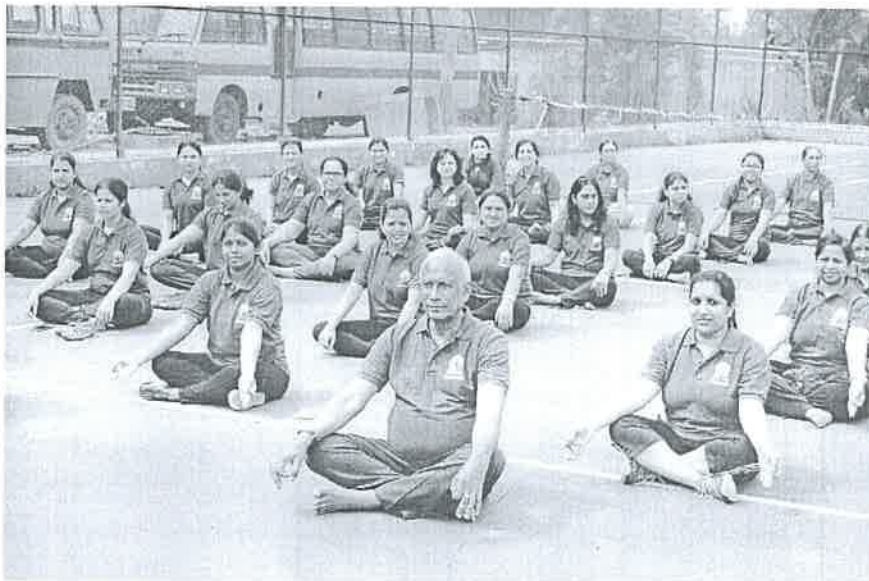
Nouli Kriya and Udyana Bandha being demonstrated by the chief guest



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Inauguration by the delegates



Our secretary Sri. Galiswamy sir participating in the yoga asana practice

  
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Staff of Dayananda Sagar College of Dental Sciences practicing meditation



DSCDS staff with delegates

  
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College Banner



Brahmari pranayama being practiced

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Trikonasana

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Bengalore - 560 078.

# Dayanand Sagar college of Dental Sciences

Yoga Day -Attendees

21-06 -2019


Sl No	Names	Sl no	Names
1	Anaida Acharya	46	Swasthi Bahardwaj
2	Ananthesh HS	47	Shwetha Chandran
3	Ayushi Shrivastava	48	Vishnu Aithal
4	C Surya Prakash	49	Zuwaina Khan
5	Chaithanya S	50	Dr.Shravya S Girji
6	Darshini Priya M	51	Dr.Niveditha S
7	Deepashree S	52	Dr.Naval Abdul Aziz
8	Divya Babu	53	Dr.Shruti R
9	Gokul K	54	Dr.Chandni Gupta
10	Harsha Mohanda	55	Dr.Aparajita Dutta
11	Jitha PP	56	Dr.Reshma Banu
12	Karthika KT	57	Dr.Amtul Salma
13	Keerthi K	58	Dr.Aparna K
14	Likitha MN	59	Dr.Apurba
15	Mimansa Deshmukh	60	Dr.Dhruvi Parikh
16	Naveen John	61	Dr.Varsha
17	Raksha Kumari	62	Dr.Mitta Mounisha
18	Reshma K	63	Dr.Shambhu Sharan
19	Hemanth Kumar	64	Dr.Qaiser Nazir
20	Sherin Paul	65	Dr.Naila Perween
21	Sunaina Balan	66	Dr.Gyathri Sreedhar
22	Swapnil Rastogi	67	Swasthi Bahardwaj
23	Anju Sonpura	68	Mahima R
24	Charu Sonegere	69	Safa Haryani
25	Kishen KS	70	Said Mikhael
26	Dr.Ridyumna Garain	71	Dr.Harshitha V S
27	Dr.Bharathi M	72	Dr.Saeeda Patel
28	Dr.Jibin Karim VA	73	Dr.Parvathy P
29	Dr.Arpitha Prasad	74	Dr.Saumya Walia
30	Dr. Husena Jazar	75	Dr.vinay
31	Dr.Bhavana N	76	Dr.Urvashi Tanwar
32	Dr.Mohan Raj V	77	Dr.Prakruthi SN
33	Dr.Farzana	78	Dr.Sujina
34	Dr.Shruthi K	79	Dr.Theresa Mathew
35	Dr.Manas G	80	Dr.B.R Shreya
36	Dr.Shwetha S Prasad	81	Dr.Sanda Aamani
37	Dr.Subbu Kashyap	82	Dr.Sonika KV

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38	Dr.Kiran Shadani	83	Dr.Vaishali
39	Dr.Sowmiya S	84	Dr.Nancy R
40	Dr.Shahid ulla	85	Dr.Shaurya Verma
41	Dr.Shreyasee Maity	86	Dr.Vishakha
42	Dr.Mrudula I	87	Dr.Iti Badola
43	Dr.T Pavithra	88	Dr.Nadira Jabeen S
44	Dr.Vinay Kumar D R	89	Dr.Tejashwini
45	Dr.Prasanth MJ	90	Dr.Nageswaran GR

  
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## DAYANANDA SAGAR COLLEGE OF DENTAL SCIENCES

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### REPORT ON YOGA DAY PROGRAM-17/06/2022

Dayananda Sagar College of Dental Sciences, NSS unit and Sports committee organized and conducted a Yoga program as part of the Countdown Yoga Program to commemorate the International Yoga Day celebrated on 21<sup>st</sup> June every year. The program was conducted in Architecture building ground floor on 17/06/2022 from 8:30am to 10:00 am. Faculty (teaching and non-teaching), postgraduates, interns and UG students participated. Miss Neha Dugar was invited as the chief guest and yoga instructor. The program started with the inaugural ceremony by welcoming the chief guest and the gathering, followed by key note address by our principal Dr Hemanth M. Miss Neha Dugar started the yoga session with a brief introduction to Yoga and its development followed by pranayama and asanas, The instructor stressed about inculcating yoga as a part of life everyday rather a one day affair. The program ended on a good note by thanking the chief guest, Principal, staff of DSCDS and the students.

*H.M.*





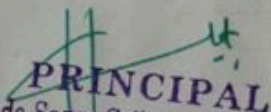
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**Dayananda Sagar College of Dental Sciences Shavige Malleshwara  
Hills, Kumaraswamy Layout, Bangalore 560 078**

Yoga Day 2022 Attendance

SI No	Name & sign	SI No	Name & sign
1	Dr. Lalandha	35	Dr. Krishna Kumar
2	Dr. Sreechara SH	36	Dr. Veena S. Pai
3	Dr. Shelin	37	Dr. Ranjini M.A
4	Komal Jain	38	Dr. Tayel Hazumdar
5	Komal Singh	39	Dr. Prathibha Shetty
6	Mamun K	40	Dr. Payal Das
7	Dr. Smitha B.K	41	Dr. Anucha Sequeira
8	DR. MAHESH. P.C.	42	Dr. Geetha
9	Dr. Adithyan	43	Dr. Swathi
10	S. Bidgaper (PG) OMR	44	Dr. Kevin
11	Smidhi P (PG) OMR	45	Dr. Sachet
12	Dr. Preeti Patil	46	Dr. Nivas
13	Dr. Prabhakar N.T	47	Prinayam
14	Dr. Shobha S	48	K.J. ASWINN
15	Dr. Kaderp Chandras	49	Niveditha S
16	Aspitha	50	Harsitha B.N.
17	Dr. Sanuksha	51	Hima A. Girish
18	Dr. Neha	52	JISHA S. RAT
19	Dr. Praravi V	53	Dr. Sanila A.M
20	Dr. Monika N	54	Ravichandra T M
21	Dr. Jayes. Ms	55	Khushi Swamy
22	Dr. Atika Ifath	56	Syed Omar
23	Dr. Ganesh Gajare	57	Dhagini M
24	Dr. Chandan N	58	Dr. Basil Dheer N.B.S
25	Dr. Gang. Prakash	59	Dr. Chandricka
26	Dr. Sudh. S.K	60	Dr. Adnan
27	Pragya Singh	61	Dr. Phendram
28	Emad N. Ali	62	Dr. Alif
29	Kankanala Sri Divya	63	Dr. Sagar
30	Geetha Priya Y.B.	64	Dr. Abutham
31	Kishal Eralli	65	Arundip
32	N. Chaitra	66	DR. CM ZAMFER AHMED
33	Dr. Rajan M	67	Dr. Sujana S
34	Dr. Sharani Shetty	68	Prarthana Bhargadwoj

  
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YOGA CENTRE



TEMPLE IN THE CAMPUS



  
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