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SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY

(UGC Approved)

Gurugram, Delhi-NCR

Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

VISITS OF DIFFERENT DEPARTMENTS TO WATER TREATMENT PLANT

- 1) An Industrial-cum-Academic field visit to Water Treatment Plant at Basai was organized for Final year BDS Students and Final year Postgraduates in the department of Public Health Dentistry on **28th March 2016**. The group of students were led by the Faculty members Dr. Sachin and Dr. Suchi along with Mr. Om Parkash. The field trip was designed to expose students to water treatment unit operations, use of hydraulic equipment (pumps, flumes etc) and environmental regulations. Also, the students learnt the water quality parameters so that water can be safe for consumption. The purpose of a water treatment plant is to produce safe and pleasant drinking water, free of disease causing organisms and toxic substances. Depending on the source of water, the various types of treatment (physical, chemical and biological processes) may be required. It may also require softening for removal of hardness. This learning experience was a part of the curriculum in the department of Public Health Dentistry. This field visit proved to be useful for students as they learnt small and significant insights about wastewater.

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- 2) The department of Civil Engineering of Faculty of Engineering and Technology, organized an Industrial Visit to Sewage treatment plant on **7th April 2016**. The students had opportunity to visualize the primary, secondary and tertiary treatment processes. Students carefully studied and observed the complete process of Waste water Treatment, functions of its components, practical method's to find out characteristics of industrial waste water. Officials at plant guided the students regarding different aspect of treatment of waste water.

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3) Field Visit to Water Treatment Plant, Basai

An Industrial-cum-Academic field visit to water treatment plant was organized for the final year BDS students and Postgraduate students of Public Health Dentistry on **13th February 2017**. The group of 85 BDS and 3 MDS students was led by the Faculty members Dr. Sachin, Dr. Vaibhav and Dr. Monika along with Mr. Jagadish and Mr. Hare Ram. The field trip was designed to expose students to water treatment unit operations, use of hydraulic equipment (pumps, flumes, etc) and environment regulations. Also the students learnt the water quality parameters so that the water can be safe for consumption. This was a part of the curriculum of the Department of Public Health Dentistry. This field visit proved to be useful for students as they learnt the insight about water treatment process and drinking water quality.

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FACULTY OF DENTAL SCIENCES

Department of Public Health Dentistry

Academic Cum Industrial Visit for Students

on 13th February, 2017

Venue : Water Treatment Plant, Basai, Gurugram



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- 4) Department of Civil Engineering organised an Educational Visit to Water Treatment Plant at Basai Village on **06 February,2017**. The objective of visit was to enhance the knowledge of Engineering Chemistry, Water treatment, Waterquality testing among the students and help them understand the process of converting raw water into drinking water. It was an enlivening experience in which the students got a chance to get themselves familiar to the practical knowledge of the different stages of water purification. The visit was an informative experience satisfying the curiosity of engineering students and also helped in creating an environmental awareness among them.

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- 5) An Industrial-cum-Academic field visit to water treatment plant was organized for the final year BDS students and Postgraduate students of Public Health Dentistry on **19th February, 2018**. The event was planned and organized by the department of Public Health Dentistry, FODS in collaboration with authorities at the Basai Water Treatment Plant, Gurugram. The group of 97 Final Year BDS students was led by the Faculty members Dr. NehaShukla& Dr. AbhinavBhargava along with Mr. Jagdish and Mr. Hare Ram as support staff. This field visit proved to be useful for students as they learnt the insight about water treatment process and drinking water quality.

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- 6) Department of Swasthavritta, Faculty of Indian Medical System, SGT University organized an educational visit to Huda water purification plant Basai, for 3rd Prof. BAMS students on **06th April 2019**. Students were accompanied by Dr. Yagyik Mishra, Dr. PremrajChaudhary, Dr. Neeraj Gupta and Dr. Himani.

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- 7) An Industrial-cum-Academic field visit to sewage treatment plant was organized for the final year BDS students and Postgraduate students of Public Health Dentistry on **10 th April 2019**. The event was planned and organized by the department of Public Health Dentistry, Faculty of Dental Sciences in collaboration with authorities at the Dhanwapur Sewage Treatment Plant, Gurugram. The group of Final Year BDS students and Post Graduates of Public Health Dentistry was led by the Faculty members Dr. Sachin Chand, Dr. Amrita Jaggi& Dr. AnkitKalra along with Mr. Hare Ram as support staff. The field trip was designed to expose students to sewage treatment unit operations, Sewage treatment is the process of removing contaminants from municipal wastewater, containing mainly household sewage plus some industrial wastewater. Physical, chemical, and biological processes are used to remove contaminants and produce treated wastewater that is safe enough for release into the environment. This field visit proved to be useful for students as they learnt the insight about sewage treatment process and usage of the same treated water.

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8) Visit to Sewage Treatment Plant, Jhajjar

A visit to 2nd Sewage Treatment Plant (5.0 MLD) , Jhajjar was arranged for the students of M.Sc, Nursing 1st year and GNM 1st year by the Department of Community Health Nursing, Faculty of Nursing, SGT University on 06.02.2019. The students were accompanied by two faculty members Mr Sunil Dular, Associate Professor and Ms Manisha ,Lecturer. The main purpose for this visit was to give the practical knowledge about the sewage treatment plant and the various methods of sewage treatment. Mr. Bhupinder, J.E., Public Health Engineering Department, oriented all the students to the entire sewage and water treatment plant . A step by step guide was provided to the students describing what happens at each stage of the sewage treatment plant and how various inorganic and organic contaminants are removed . The students were shown the collection, processing and disposal of sludge. These processes included screening, grit removal, aerobic and anaerobic digestion, thickening, blending etc. Through the visit, students got an in-depth knowledge of the various components of the treatment plant. They also became familiar with the working principle and functions of various units of treatment plant such as screens, grit chamber, primary clarifier, aeration tank, secondary clarifier, sludge digester, etc. During the plant visit, students also learnt about daily monitoring of treated water by various chemical analysis of BOD, COD etc. The visit was very helpful for the students to get the practical knowledge regarding the functioning and process of sewage treatment plant.

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