



**Shri Guru Ram Rai Institute of Medical & Health Sciences
College of Nursing**

Patel Nagar, Dehradun - 248 001

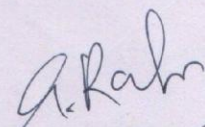
Ref.No: SGRRU/CON/2025/ 840

Date: 15/02/2025

**NOTIFICATION: EDUCATIONAL VISIT TO
WATER PURIFICATION PLANT**

This is to inform you that SGRRU,SGRRIM & HS College of Nursing students are planning to visit Water Purification Plant, 32- Rajpur Road, Dehradun from 17/02/2025 to 19/02/2025 as a part of their curriculum.

Thanks & Regards,


PRINCIPAL
College of Nursing
S.G.R.R.I.M.H.S.
Patel Nagar, Dehradun



**Shri Guru Ram Rai Institute of Medical & Health Sciences
College of Nursing**

Patel Nagar, Dehradun - 248 001

Ref. No./SGRRIM&HS/CON/2025/- 3083

Date: 13/01/2025

To

The Executive Engineer
Water Works
Raipur Road, Dehradun
Uttarakhand

Sub: Permission to Visit Water works by Nursing Students - Regarding

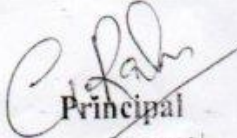
Respected Sir,

As you may be aware, Shri Guru Ram Rai institute of Medical & Health Sciences, College of Nursing, Patel Nagar, Dehradun runs ANM, GNM, under graduates and Post Graduate Nursing programmes. As per Indian Nursing council curriculum the student required to visit a water purification centre to understand the process of water purification including water microbiology. We feel it will be fruitful that the students with academic background have glimpse of health center in order to have a better appreciation of practical applications of theory. Hereby I request you to kindly permit our nursing students to your water purification centre.

S. No.	Course	No. of Students	Date
1	Basic B.Sc.(N) V SEMESTER	106	17.02.2025
	M.Sc.(N) 1 st Year	23	
2	GNM 1 st Year	60	18.02.2025
	ANM 1 st Year	34	
3	Post Basic B.Sc.(N) I Year	33	19.02.2025

I will be very thankful to you. If you permit our students to visit waterworks and confirm the date of visit.

प्रमाणित आदेशिका आभयवला (दाक्षी)
उच्च शिक्षण विभाग, देहरादून
15/01/2025


Principal
(PROF(DR) G. Ramalakshmi)
S.G.R.R.I.M.H.S.
Patel Nagar, Dehradun



SGRRU, SGRRIM&HS NURSING COLLEGE,

STUDENTS EDUCATIONAL VISIT

SCHEDULE 2025

(WATER PURIFICATION PLANT)

A VISIT TO THE WATER TREATMENT PLANT



SGRR College of Nursing planned and organized visit to water purification plant for students under the guidance of faculty as per the below schedule.

This visit was as part of their curriculum activity. Through this visit students got information about the procedure that used in water purification.

WATER PURIFICATION PLANT

17-02-2025	MSc(N) I YR	23	129	MRS ARTI & MS ANJALI
	BSc (N) V SEM	106		
18-02-2025	GNM I YR	60	94	MRS SARITA &MR SOJAN
	ANM I YR	34		
19-02-2025	PB BSCI YR	33	33	MRS. CHETNA



Objective of the visit

- To observe the set-up of the water purification plant.
- To gain knowledge regarding the overall process of purification
- To know how the water is supplied to areas of Dehradun.

Functioning of the system

Engineer Mr.Subash explained the basic process in the water treatment plant. Water is collecting from Bijapurriver to a common tank and undergo the process of sedimentation. During sedimentation clarification process with coagulation is happening. Alum is used as the coagulating agent.

After coagulation it passed to the filtration tank though pipes. In filter plant it passes though the clarification process to remove the coagulated sediments. After clarification process it passes though different kind of filtration system like sand filter, multigrade filters and activated carbon filters.

For coagulation purpose aluminium sulphate is used, and doing proper chlorination for disinfectant purpose.



During each stage the process is checked depending on the requirement, pH, MLSS, conductivity etc are checking and noting down in the log sheets.

Distribution

Filtered water stores in huge storage tank and continuously flows to the required sources by gravity



Conclusion

From the visit students got information and practical knowledge about the treatment of raw water and components used in treatment plant and they got the knowledge about different types of filtration process. The visit was concluded by nice photography.

