

Department of Geology  
**Gargaon College**  
Simaluguri, Sivasagar



*Add-on certificate course  
on*

**Water Purification**

*Approved by  
Dibrugarh University*

**Course Coordinator:**  
Dr. Chandraditya Gogoi  
Assistant Professor (HoD)  
Department of Geology  
Contact no. 9678432533  
Email: chandraditya8@gmail.com



## About the course

Add-on course on Water Purification offered by the Department of Geology, Gargaon College, along with the other regular courses, is an initiative to train the students and youths about the most important water treatment methods and their successful implementation strategies, as well as to raise a general awareness about the growing demand for potable freshwater.

Course outcomes:

- Understanding the growing demands on fresh water.
- Knowledge of maintaining natural water bodies especially the wetlands
- Knowledge of traditional water purification processes
- Making students familiar with modern water purification tools and systems

## Future opportunities

After completion of this course, students will be able to:

- assemble a domestic water filter system
- conduct maintenance of the system
- work with reputed hardware stores
- work as a self-style plumber to make some earning

## Course details:

**Course Duration:** 1-Month(30 hours)

**Course Code:** GeolAdd02

**Eligibility:** 10+2 standard

**Course Intake Capacity:** 40 seats

**Course Fees:** Rs. 250 only

**Tentative date for admission:** 30<sup>th</sup>

**April 2022**

**Registration link:**

<https://forms.gle/x4vD2zzrgmusLTz8>



## Course Content

**Unit1:** Natural sources of water. Importance of fresh water in modern days. Properties of water. Causes of impurities in natural water sources. Maintenance of natural water bodies in a sustainable way.

**Unit2:** Quality of water for different purposes. Traditional methods of water purification. Treatment of water for biological pollution. Treatment of water for removing different types of hardness. Treatment of water for removal of iron, fluoride, and arsenic. Working principles of modern water purification tools and systems.

### **Recommended readings:**

1. Mohan Rao, K.V.J. Water Treatment Technology & Management, Mittal Books India.
2. Shrivastava, Anamika. Waste Water Treatment & Water Management. Notion Press Inc.
3. Keddy, Paul A. Wetland Ecology principles and conservations. Cambridge University Press.
4. London P.E., Gary S. Water Filtration Practices. American Water Works Association.
5. Drinan & Spellman. Water And Wastewater Treatment. Taylor & Francis.
6. Wagh, G.S. Experimental Methods for Water Analysis. Nirali Prakashan, Educational.
7. Hazen, Allen. The Filtration of Public Water Supplies. Nabu Press

## List of Students

Sl. No.	Roll	Name
1	18520004	Abhishek Sahu
2	18520005	Abinash Kalita
3	18520006	Afreed Ahmed
4	18520011	Arindom Phukon
5	18520014	Bhargav Gogoi
6	18520024	Bishmoy sonowal
7	18520027	Chemsan Gogoi
8	18520029	Chinmoy Jyoti Dutta
9	18520042	Gourav Kalita
10	18520046	Hiffaz Sami Arif
11	18520052	Jonardan Duwari
12	18520058	Kashyap Gogoi
13	18520059	Kaustav Chetia
14	18520061	Lakhya Jyoti Borah
15	18520063	Madhurjya Gogoi
16	18520064	Madhurjya Konwar
17	18520069	Mreeganka Mohan Gogoi
18	18520070	Mridukangkan Borah
19	18520073	Mrinmoy Gogoi
20	18520090	Rahanuddin Ahmed
21	18520103	Sabyasachi Kalita
22	18520105	Sahil Ahmed
23	18520109	Shaan Buragohain
24	18520117	Subhrajeet Borah
25	18520121	Swapnanil Gogoi
26	18520124	Tridip Gogoi
27	18520129	Abhilasha Anusuya Boruah
28	18520135	Ankita Dey
29	18520136	Ankita Kalita
30	18520139	Arfina Mahmuda Rahman
31	18520150	Intiba Shahin
32	18520156	Lipakshee mech
33	18520178	Priyakshi Gogoi
34	18520183	Rozina Ahmed
35	18520193	Sunity Kalita
36	18520196	Trideesha Buragohain
37	18520200	Yashira Ahmed

## Sample of Add on Course Certificates

Department of Geology

GARGAON



COLLEGE


ESTD. 1985

E-Mail : geologygargaon1985@gmail.com

SIMALUGURI-785686, SIVASAGAR, ASSAM

### Certificate

*This is to certify that Abhilasha Anusuya Boruah bearing Roll No. 18520129 is a 5th Semester student of the Department of Geology. She/He has successfully completed an Add-on Certificate Course on **Water Purification** from 18th August, 2022 to 19th November, 2022. The course is organized by the Department of Geology, Gargaon College, Simaluguri, Assam under the approval of Dibrugarh University, Assam. We found him sincere in his conduct in the course work and wish him a bright future.*

  
Head of the Department  
Department of Geology  
Gargaon College

Dr. Chandraditya Gogoi  
HOD  
Department of Geology