



Training Program on Sustainable Natural and Advance Technologies  
and Business Partnerships for Water & Wastewater Treatment,  
Monitoring and Safe Water Reuse in India

### Training Session Plan

**Title of the training session**

AIMEN Sensors: VFA and Pathogens

**Author(s) of the training session**

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**Short description of the session**

In this session we show the sensors working principle, how they were developed, how we got the technology from the lab to the field and how they were deployed in AMU facilities in Aligarh.

**Learning objectives**

At the end of the sessions, participants will:

1. Understand the application of the technology
2. Acknowledge the need for this technology
3. Understand the sensors working principle
4. Learn how to use the devices and perform a measurement

**Trainer's required profile**

The trainer does not need to have specialized background, just to work on the environmental field.

**Expected duration of the training session**

2 hours, with a break of 20 minutes

## Methodology and key contents of the session

Time	Topic	Key contents	Slides Numbers
5 min	Introduction to the session		5
10 min	Introduction to the technology (background overview, principles, performance expected, appropriateness)		8
30 min	Design of the technology (key considerations, basic calculations, key formulas, etc.)		24
20 min	Break.		-
10 min	Assembly and implementation		10
10 min	Operation and maintenance		4
10 min	Example: the PAVITR pilot		7
10 min	Homework: exercise to design/implement the technology for a case study		4
5 min	Final remarks		-

**Credits:** this training has been created in the framework of the EU-Indian Joint Project “PAVITR-Potential and Validation of Sustainable Natural & Advance Technologies for Water & Wastewater Treatment, Monitoring and Safe Water Reuse in India”. This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No821410 and the Department of Sciences and Technology of India under the Grant DST/IMRCD/India-EU/Water Call2/PAVITR/2018 (G). For more information, please visit: <https://pavitr.net>