

“A IOT ENABLED POROUS MEMBRANE BASED AERATION SYSTEM”

Brief of the technology

The invention is related to aeration system for water bodies. The technology is an IOT enabled aeration system for water bodies. The system comprising a primary aeration system and a secondary aeration system. The primary aeration system for efficient aeration and the secondary aeration system for storing aerated water and supplying it to the water bodies via a distributor. The system employs bottom-up approach ensuring high oxygen transfer rate resulting in an efficient, uniform and rapid aeration of entire water bodies.

USP

- IOT enabled aeration system
- Aeration plus storage
- Bottom up approach
- Automatic regulation

Competitive Advantage

- Compact
- Uniform aeration
- Economical
- Energy efficient

Innovator

- IIT Ropar-Technology and Innovation Foundation

Development status

- Prototype development is under process

Intellectual Property status

- Provisional Patent application has been filed

Looking for interested companies to License the technology, contact Ms. Reema Sahni at reema.fitt@gmail.com. For more technologies and updates follow us at [linkedin.com/in/itto-fitt](https://www.linkedin.com/in/itto-fitt)

Innovation-Technology Transfer Office, a regional tech transfer office established at FITT with support from NBM, BIRAC

