

The skill development workshop's objective is to cover a wide range of topics to give participants garner knowledge in the field of Aquaponics and develop skills for improvising knowledge in developing their own setup with due guidance from IIT Guwahati. The workshop includes:

- In depth description of objectives of the project.
- Experts talks on the benefits of Aquaponics.
- Introductory knowledge to the participants with respect to the modern farming technique.
- Introduction to aquaculture, hydroponics and aquaponics.
- Cost benefit analysis with different Modern farming techniques.
- Give the participants in depth knowledge about different components of aquaponics system
- Holistic understanding of the importance of reducing the gap between modern farming and conventional farming.
- Explaining socio-economic benefits of adopting Aquaponics
- Visual presentation for giving the participants opportunity to gain skills in mechanism of aquaponics setup.
- Make the participants aware of the diverse possibilities of rearing and breeding various species of fish
- Scope for providing participants hands on experience on aquaponics setup at IIT Guwahati once construction works gets completed.



### What is Aquaponics?

Aquaponics is a cooperation between plants and fish and the term originates from the two words aquaculture (the growing of fish in a closed environment) and hydroponics (the growing of plants usually in a soil-less environment).



**IIT Guwahati in association with  
Seujee Farmers Producer Company  
Limited**

**Skill Development Workshop under  
the DST sponsored project entitled  
“AI-enabled advanced aquaponics  
ecosystem for the self-reliance of SC  
community in central and lower  
Assam”**

**(15 March to 16 March 2022)  
Venue: Banmuri, Morigaon, Assam**

#### **CONTACT**

**For registration and further information  
please contact:**

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Project Scientist-II  
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## Participants Concerns

### Crops

- **Leafy Vegetables** e.g. Lettuce, Ferns, Pak Choi, Spinach, Swiss Chard
- **Seed Plants** e.g. Beans
- **Green vegetables** e.g. Cabbage, Carrot, Broccoli
- **Cattle Food** (Fodder)
- **Fruits** e.g. Strawberries, Blueberries, Raspberries, Grapes.
- **Exotic Crops** e.g. Ginger, Lemongrass, Lime leaf, Turmeric, Chilies, Curry leaf, Basils
- **Medicinal herbs** e.g. Chamomile, Echinacea, Wild Pansy, St. John's wort, Marigold, Petroselinum Crispum

Guidance in setting up of aquaponics setup through Skills

Efficient and sustainable production through IoT and technology

Meeting the Supply Chain and creating dependable Supply Chain Management

- Tilapia
- Catfish
- Carp
- Koi
- Fancy Goldfish
- Angel Fish
- Guppies
- Swordfish
- Mollies

### Fish

#### For any other questions / concerns

The participants are requested to ask during Q&A session and at the interactive session

## Day 1 Itinerary for aquaponics workshop

Sl No	Event	Time
1	Registration	10.00 – 10.30
2	Participants take their seat	10.30 – 10.35
3	Outline of the program	10.35 – 10.40
4	Felicitation of guest	10.40 – 10.45
5	Lightening of lamp	10.45 – 10.50
6	Welcome address	10.50 – 10.55
7	Inaugural address by Chief Guest	10.55 – 11.10
8	Address by Guest of Honor	11.10 – 11.45
9	Vote of thanks	11.45 – 11.50
10	Tea break	11.50 – 12.00
11	Expert's lecture by Mr. Ashim Kumar Borah	12.00 – 13.20
12	Interactive session	13.20 – 13.30
13	Lunch break	13.30 – 14.30
14	Expert's lecture by Mr. Trinayan Sharma	14.30 – 15.30
15	Interactive session	15.30 – 16.00

## Day 2 Itinerary for aquaponics workshop

Sl No	Event	Time
1	Technical talk - I by Mr. Neelotpal Sharma	10.00 – 11.15
2	Interactive session - I	11.15 – 11.25
3	Tea break	11.25 – 11.40
4	Technical talk – II by Mr. Ayan Bhuyan	11.40 – 12.50
5	Interactive session - II	12.50 – 13.00
6	Lunch break	13.00 – 14.00
7	Expert's lecture by Dr. Rijusmita Sarma Deka	14.00 – 14.30
7	Valedictory Session	14.30 Onwards

**Chief Guest**  
Shri Prakash Ranjan Gharphalia  
ACS, DC Morigaon

**Guest of Honor**  
Mr. Indra Mohan Talukdar  
District Agriculture Officer

**Invited Guest**  
Mr. Krishna Kanta Borah  
(Bharatiya Kisan Sangh, Sangathan Mantri  
(Assam, Meghalaya and Nagaland))

**Resource Persons**  
Mr. Ashim Kumar Borah  
Mr. Trinayan Sharma  
Dr. Rijusmita Sarma Deka

**IIT Guwahati Team**  
Dr. Pratima Agarwal  
Dr. Aryabartta Sahu  
Dr. Prithwijit Guha  
Dr. Srinivasan Krishnaswamy  
Dr. Hanumant Singh Shekhawat  
Dr. Gaurav Trivedi

Dr. Swati Shukla  
Project Scientist

Mr. Neelotpal Sharma      Mr. Manoj Saharia  
Mr. Ayan Bhuyan  
Project Associates

Mr. Shuvajit Das      Mr. Tejas Agarwal  
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