

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.
- 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
Kanthi Agro FPC 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"**

(28th February to 1st March 2022)

Venue : Hojai

CONTACT

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

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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
- Molliies

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 – 11.40
9	Vote of thanks	11.40 – 11.45
10	Tea break	11.45 – 12.00
11	Expert's lecture by Mr. S. Baishya "Smart aqua farming practices for sustainable production"	12.00 – 13.20
12	Interactive session	13.20 – 13.30
13	Lunch break	13.30 – 14.30
14	Expert's lecture by Dr. U.K. Das: "Water quality management in aquaculture"	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 Mr. Bhabani Prasad Nath	14.00 – 14.30
8	Interactive Session	14.30 – 14.40
9	Valedictory Session	14.40 Onwards

Chief Guest

Mr. Shivu Mishra
(MLA, Lumding Constituency)

Guest of Honor

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

Resource Persons

Dr. Utpal Kumar Das
Mr. Sangipran Baishya
Mr. Bhabani Prasad Nath

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 II

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

Mr. Shuvajit Das **Mr. Tejas Agarwal**
Mr. Rohan Datey
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