

# Workshop Content:

- Basics of agriculture.
- Impacts of conventional farming on environment.
- Modern technology in agriculture.
- Hydroponics.
- Aquaponics.
- Vertical farming.
- Urban farming.
- Automation.
- Making own aquaponics farming system in association with IIT-G.



## Contact:

Ayan Bhuyan  
Project Associate  
+916900186537  
[ayanbhuyan@rnd.iitg.ac.in](mailto:ayanbhuyan@rnd.iitg.ac.in)

### What is Aquaponics?

**A system of aquaculture in which the waste produced by farmed fish or other aquatic creatures supplies the nutrients for plants grown hydroponically, which in turn purify the water.**



## "WORKSHOP ON AQUAPONICS SYSTEM"

organised by IIT Guwahati

"Under the DST sponsored project titled "AI enabled advanced aquaponics ecosystem for the self-reliance of SC community in central and lower Assam"

# **"Skill Development Training schedule on AI enabled Aquaponics System"**

## **Subject Experts**

### **Day-1**

- Inauguration of Skill Development Training
- Welcome Note on Training by Dr. Gaurav Trivedi
- "Necessity of the Skill Development program on Aquaponics at Hajo and the benefits it can reap for the welfare of the people" Mr. Krishnakanta Borah
- Introductory speech on agriculture and technology by Dr. Hanumant Singh Shekhawat
- High Tea

(01.00 PM to 01.30 PM)

(01.30 PM to 02.30 PM)

(02.30 PM to 03.00 PM)

*Dr. Hemendra Chandra Bhattacharya*

*Dr. Sanjay Sarma*

*Dr. Biswa Ranjan Phukan*

### **Day-2**

- Introduction to aquaponics part-I by Mr. Neelotpal Sharma
- Introduction to aquaponics part-II by Mr. Shuvajit Das
- Interactive session-I
- Lunchbreak
- Lecture by Dr. Sanjay Sarma
- Tea break
- Interactive session-II

(10.00 AM to 11.30 AM)

(11.30 AM to 12.30 PM)

(12.30 PM to 01.00 PM)

(01.00 PM to 01.45 PM)

(01.45 PM to 02.45 PM)

(02.45 PM to 03.00 PM)

(03.00 PM to 04.00 PM)

*Dr. Pratima Agarwal*

*Dr. Aryabartta Sahu*

*Dr. Prithwijit Guha*

*Dr. Srinivasan Krishnaswamy*

*Dr. Hanumant Singh Shekhawat*

*Dr. Gaurav Trivedi*

### **Day-3**

- "Bridging the gap between conventional and modern Agriculture techniques" by Dr. B.R. Phukan
- Handholding of farmers by IIT Guwahati by Mr. Ayan Bhuyan
- Lunch Break
- Lecture by Dr. H.C. Bhattacharya
- Tea break
- Certificate distribution
- Closing ceremony

(10.00 AM to 11.30 NOON)

(11.30 NOON to 01.00 PM)

(01.00 PM to 01.45 PM)

(01.45 PM to 02.45 PM)

(02.45 PM to 03.00 PM)

(03.00 PM to 03.30 PM)

(03.30 PM to 04.00 PM)

*Dr. Swati Shukla*

Project Scientist II

*Mr. Ayan Bhuyan      Mr. Neelotpal Sharma*

Project Associate I

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

Field Assistant