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<https://hithaldia.ac.in/agricultural-engineering-department-home/>

### VISION & MISSION:-

To attain significant recognition in agricultural engineering education, research and training to meet the growing needs of the society and agricultural industry.

### CAREER SCOPE:-

Assistant Agricultural Engineer, Agricultural Consultant, Agricultural Inspector, Food Safety Officer, Agricultural Researchers & Scientist, Farm Managers, Food Safety Officer, Agricultural Crop Engineers, Food supervisors, Agricultural Professionals in different Institutes, Colleges and Universities.

### STUDENT CHAPTERS / PROFESSIONAL BODIES:-

All India Agricultural Students Association (AIASA)



### MAJOR RECRUITERS:-

Sonalika Tractors	John Deere
Mahindra Tractors	PRADAN
TAFE Tractors	Bayer India
Indorama India Pvt Ltd.	Jain Irrigation System
Panseeds	Adani Wilmar
IFFCO	Hindustan Uniliver
ITC Food	PRASARI

### SUBJECT AREA COVERED:-

- Soil and Water Engineering, Smart Irrigation, Remote Sensing and GIS.
- Farm Machinery and Power, Renewable Energy, Photovoltaic Technology.
- Food & Dairy Engineering, Food Packaging Technology, Refrigeration & AC.
- Post-harvest Engineering, Heat & Mass Transfer, Nano Technology.

### INFRASTRUCTURE FACILITY / MAJOR LABORATORIES :-

- Smart Classroom
- Soil and Water Engineering Laboratory
- Farm Machinery Lab and Workshop
- Food Process Engineering Lab
- Surveying and Levelling Lab
- Fluid Mechanics Lab
- Computer Programming lab
- Numerical & Statistical Method Lab
- Departmental Library

### RESEARCH CAPABILITY/ PROJECTS :-

Some multidisciplinary research work is performed in collaboration with other departments and institutes. Some of the ongoing projects are IoT enabled water health monitoring system for pisciculture and smart controlled plant growth chamber.

# HALDIA INSTITUTE OF TECHNOLOGY



## DEPARTMENT OF AGRICULTURAL ENGINEERING

"The discovery of agriculture was the first big step toward a civilized life." ~ Arthur Keith

The Department of Agricultural Engineering started in 2022 with 30 intake capacity in B.Tech with the objectives of making competent and dynamic Agricultural Engineers, suitable for global market by imparting best possible training and education.



### STUDENTS ACHIEVEMENTS:-

- Best poster presentation certificates by 2nd year students under UG category in AICTE-VAANI sponsored three days seminar.



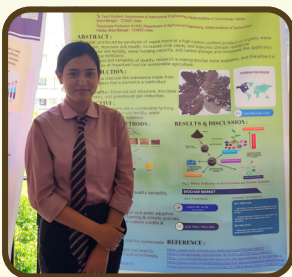
- Best Oral presentation award by Wiley publishers has been awarded to Moinak Chandra in ICRETBS-2025, 22-24 March 2025 at Digha.



- Ranit Mondal (3rd-year student) secured the top position among 2% in the NPTEL exam July-October session 2024. Course name: Soil Fertility and Fertilizers.

### WORKSHOP & SEMINAR:-

- Workshop certificates by all 2nd year students on "Sustainable Packaging Solutions for Food and Agriculture Applications at IIT Kharagpur on 2nd August 2024.
- Poster presentation by Snigdha Mandal in National seminar BLISES 2025 on 4<sup>th</sup> & 5<sup>th</sup> March, 2025 at Haldia Institute of Technology.



### WORKSHOP & SEMINAR:-

- Oral presentation & participation certificates by 2nd year students in 2nd ICRETBS-2025, 22-24 March 2025 at Digha.



### INTERNSHIP/TRAINING:-

- Internship at CSIR-CMERI Durgapur on agricultural machinery and implements.
- Pritthiraj Basu, 3<sup>rd</sup> year student got selected for internship at DCG DATA-CORE SYSTEMS (INDIA) PRIVATE LIMITED
- Internship cum training by ICAR, KVKs & Agricultural Universities.



### PUBLICATIONS:-

- An article named "Digitalization in Food Safety", has been published in Goya Journal UGC – Care Approved Group-2 & SCOPUS ACTIVE JOURNAL ISSN: 00172715

- Book chapter name :- Impact of Anthropogenic Activities on Global Warming and Energy Demand published by Springer Nature
- Review Paper :- Advancing renewable energy through Nanotechnology

### DEPARTMENTAL ACTIVITIES:-

