

## School of Agriculture & Allied Sciences



**B.Sc. (Hons.)  
Agriculture** (4 Years)



**M.Sc. Agriculture  
in Agronomy** (2 Years)



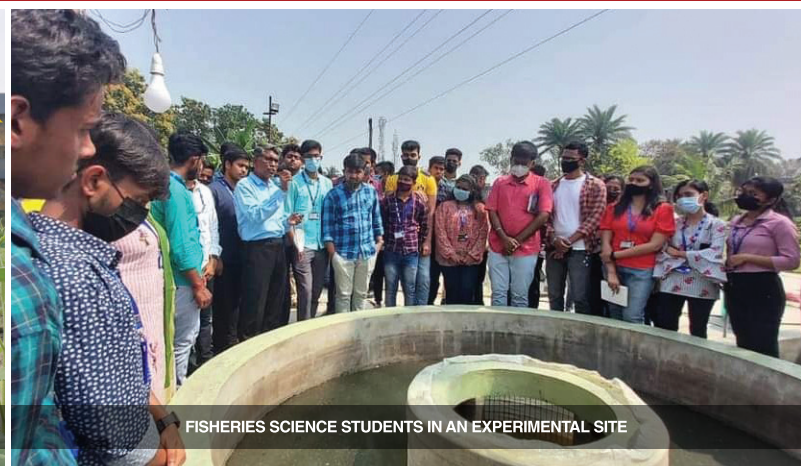
**Bachelor of Fisheries  
Science (BFSc.)** (4 Years)



**M.Sc. Agriculture in  
Soil Science** (2 Years)



AGRICULTURE STUDENTS IN AN EXPERIMENTAL FIELD AT TNU CAMPUS



FISHERIES SCIENCE STUDENTS IN AN EXPERIMENTAL SITE







## B.SC. (HONS.) AGRICULTURE

### Courses offered & its future prospects, higher studies, service, private & Govt. Sector, entrepreneur opportunities

School of Agriculture and Allied Sciences (SAAS) of The Neotia University, offers 4-years B.Sc.Ag and B.F.Sc degree programmes following Indian Council of Agriculture Research (ICAR), New Delhi course curriculum. These are the basic undergraduate programmes leading to meet the requirement of trained man power for food, nutrition and energy securities in India. These programmes deals with things like crop production, organic farming, horticulture, animal husbandry, fish production, rural economy and rural development, environmental health, etc. Food, nutrition and energy being basic necessity of human being, downsizing of agriculture can never happen. In fact, the recent development in artificial intelligence (AI), IOT has widened scope of agriculture in a big way, through application of Information & Communication Technology.

Both of these courses give ample job opportunities in government as well as private sector. After completion of graduation students can pursue their post-graduation (M.Sc. Ag / M.F.Sc. and PhD) in universities / institutions. As postgraduate students they have a very wide choice in the form large number of departments in agriculture and fishery science. Employment opportunities like Agriculture Research Scientist in ICAR institutions, Indian Space Research Organization (ISRO), Assistant Professor in Agriculture Universities, Assistant Director of Agriculture (ADA), Fishery Extension Officer, Agriculture Extension Officer, Plant quarantine officer, Manager in Food Corporation of India (FCI), AO and PO in banks and many more. "Presently, the demand for trained professional is high in the agriculture field". As agriculture graduates they have several options as given hereunder:

- Job opportunities in agro-chemicals, fertilizers and seed / nursery and other input companies.
- Bank Field / Probationary Officer (PSU Banks, Private Banks, Co-operative Banks, etc.)
- Excellent opportunity to go abroad for higher studies.
- Become professional producer of agro-products.
- Become an agriculture entrepreneur.
- Start Farmer Producer Organisation (FPO).
- Good opportunity to start career as school teacher.
- Can start career as Journalist.

In the job category, the students have good salary prospect (about Rs. 40000-75000 /month at joining).

The curriculum of this course consist of all regular agriculture / fishery science subjects including sustainable and organic crop / fish production, genetic improvements, food science and technology, agricultural extension and communication, agriculture statistics, computer application, digital agriculture, landscape drawings, entrepreneurship development, intellectual property rights, personality development, etc. Students also undergo training on Rural Agricultural Work Experience (RAWE), Agro- Industrial Attachment, and Hands on Training on Skill and entrepreneurship development.

### Available infrastructure and opportunities in the School for the course

The School outsmarts other competing institutions in terms of infrastructure facilities that promote overall growth, understanding and well being of the students. Practical and contemporary agriculture education is given top priority. The list of complete infrastructure is very long and some of them are: smart classroom, well equipped laboratories, computer lab, agricultural farm, field laboratory, fishing ponds, hatchery unit, wet lab facility, poly-house, net house, meteorological observatory, compost and vermin-compost unit, mushroom unit, bee keeping unit, sericulture unit, livestock & poultry, bio-fertilizer unit, biogas unit, library & book bank facility, etc. Other notable infrastructure facilities are: separate boys and girls hostels, free Wi-Fi, transport facility from Kolkata to the campus, swimming pool, gymnasium, large play grounds,

The School has 6-adopted villages in the nearby areas for exposing our students to farming and farmers. This also helps us in conducting RAWE programme in a pragmatic manner.

## DEAN'S MESSAGE



**Prof. (Dr.) Sushil Kumar Kothari,**  
Dean, School of Agriculture and Allied Science  
(SAAS), The Neotia University (TNU).

He is a PhD in Agronomy from Indian Agriculture Research Institute, New Delhi and Post Doctoral Plant Nutrition Training in University of Hohenheim, Stuttgart, Germany.

He has worked as Scientist in CSIR – CIMAP from 1984-2006 and post retirement took up assignment in Roshini International Bio-Energy Corporation, UK based company in Hyderabad. He joined The Neotia University in June 2019 as Director, SAAS) and continuing since then. It was really a great opportunity and honour to lead a premiere institution like SAAS of TNU. We started with 4-years B.Sc.Ag degree programme in 2018 and added B.F.Sc degree programme in 2019. We have started post graduation programme in Agriculture in 2022.

HOD's speech (Includes your designation, qualification, job experience, research & publications, department benefits and sharing his/her journey). Prof. (Dr.) Sushil Kumar Kothari, Dean, School of Agriculture and Allied Science (SAAS), The Neotia University (TNU). He is a PhD in Agronomy from Indian Agriculture Research Institute, New Delhi and Post Doctoral Plant Nutrition Training in University of Hohenheim, Stuttgart, Germany.

He has worked as Scientist in CSIR – CIMAP from 1984-2006 and post retirement took up assignment in Roshini International Bio-Energy Corporation, UK based company in Hyderabad. He joined The Neotia University in June 2019 as Director, SAAS) and continuing since then. It was really a great opportunity and honour to lead a premiere institution like SAAS of TNU. We started with 4-years B.Sc.Ag degree programme in 2018 and added B.F.Sc degree programme in 2019. We have started post graduation programme in Agriculture in 2022.



## M.SC. AGRICULTURE IN SOIL SCIENCE

M.Sc. (Ag.) in Soil Science is a 2 year's Post Graduate Level programme. This 2 years duration includes 4 semesters, with each semester lasting a period of 6 months. During each semester, students will face separate sets of theoretical subjects as well as practical sessions. Apart from those subjects, seminars and Research work (Thesis work) also plays an important role in M.Sc. (Ag.) in the Soil Science programme.

### Career Prospects

After completion of M.Sc. (Ag.) in Soil Science, students will be able to conduct research work in different locations, collection of soil samples, processing and storing, and analysis of various physical and chemical parameters of soil, estimation of essential nutrients and identify and solve the problems related to nutrient deficiencies and physiological disorders etc.

Candidates might opt their jobs as Agricultural scientist, Farm Manager, Research Fellow, Management Trainee, Laboratory Technician, School teacher, Soil scientist etc. Students can also opt for Ph. D. in Soil Science.



## M.SC. AGRICULTURE IN AGRONOMY

M.Sc. (Ag.) in Agronomy is a 2 year's Post Graduate Level programme. This 2 years' duration includes 4 semesters, with each semester lasting a period of 6 months. During each semester, students will face separate sets of theoretical subjects as well as practical sessions. Apart from those subjects, seminars and Research work (Thesis work) also plays an important role in M.Sc. (Ag.) in Agronomy programme.

### Career Prospects

After completion of M.Sc. (Ag.) in Agronomy, students will be able to conduct research work in crop field, take samples, observations and perform laboratory tests and identify and solve the problems related to plant nutrition, irrigation, insect pest damage, weed management, climate change etc.

Candidates will opt their jobs as Agronomist, Agricultural scientist, Crop production specialist, Farm Manager, Research Fellow, Management Trainee, Laboratory Technician, School teacher, Crop scientist etc. Students can also opt for Ph. D. in Agronomy.



## BACHELOR OF FISHERIES SCIENCE (BFSc)

**Fish is health and wealth.** Fish and fisheries play an important role in Indian Economy. Presently India is one of the largest fish producing country and 2nd largest aquaculture nation in the World. West Bengal, being the lead fish producing state in India, still fetching high demand to have adequate institutes where more aspirants can get the privilege to pursue Fishery Sciences.

The Department of Fisheries Science, TNU, the only leading private Fisheries Education and Research Institute of West Bengal under The Neotia University, took its birth in the year July, 2019. This university is located 60 acre of lush green, beautifully landscaped campus in the outskirts of Kolkata at Diamond Harbour. The department offers B.F. Sc. (4 years degree programme) 'Bachelor of Fishery Sciences' following the course curriculum as prescribed by Indian Council of Agricultural Research, the nationalized platform under Department of Agricultural Research and Education, GOI. The smart class rooms are well furnished with audio-visual facilities. Presently the Fishery unit has 4 number of practical labs, 4 number of fish ponds, and Swimming pool. Laboratories like Soil and water testing lab, Microbiology and Quality Control Lab, Instrumentation lab and Histopathology lab are well furnished and equipped to provide live projects and research opportunities to students. TNU, Fish Unit already has started the new projects like Fish Portable Hatchery Unit, Nursery-rearing-stocking-brood stock pond, Ornamental unit, Fish processing Unit, Bio floc unit, live feed unit, and Integrated fish culture unit to serve quality Fishery education among the students. The School of Agriculture and Allied Sciences, TNU also conducts study tours and field visits to various research stations of ICAR, SAUs, Fish farm, Hatchery unit, Nurseries, etc. TNU's faculty is experienced, qualified, and professional, with a student-to-teacher ratio of 13:1.

### Career Prospects

Fisheries science education has an undergraduate, postgraduate or Ph.D. program at state, national as well as international level. Central Institute of Fisheries Education at Mumbai is the pioneer institutes in India for fisheries education since 1961. In the year 1969, significantly revolutionized evolution of the fisheries education begin in India by establishment of the first Fisheries College at Mangalore and now almost 25 Fisheries Colleges offer the fisheries education in India under the guideline of Indian Council of Agricultural Research (ICAR), New Delhi. The employment opportunities for B. F. Sc. graduates are available in the government as well as private sectors. In the government sector, more opportunities are available like Assistant Director, Assistant Fisheries Development Officer (AFDO)/Fisheries Extension Officer (FEO) and Fisheries Development Officer (FDO). In State Fisheries Development Corporations and co-operated societies have different posts available as Deputy Managers, Managers, Project Officers, production manager, farm manager, Assistant manager and Fisheries Officers. In Fish Farmers Development Agency (FFDA) and Brackish Water Farmers Development Agency (BFDA), opportunities are Executive Officers in respective states. In nationalized as well as private banks different posts are available like managers, Assistant Development Officer, Rural Development Officer, Field extension Officer and agriculture Field Officer. Fisheries graduates can also get job in central agencies like as Aquaculture Assistants, Executive Assistant, Lab Assistant, Junior Technical Officers, Technical Officers in Marine Product Export Development Authority (MPEDA)

## LEADER'S MESSAGE

**Prof. (Dr.) H. Shivananda Murthy,**  
Professor Chair, Fisheries Science Division,  
The Neotia University (TNU).



Prof H S Murthy has served as Dean of College of Fisheries, Mangalore, the first Fisheries College in the South East Asia and extensively worked in Education, Research & Development/Extension in different capacities namely, as Registrar, Director, Professor & Head and other positions. He has guided 42 research scholars in Aquaculture and Fisheries as Research Guide. He has published over 280 publications including research papers, books and other publications and handled 17 major externally funded research projects as Principal Investigator funded by different international and national funding agencies. Has visited UK, USA, Spain, Denmark, Netherlands, Norway, Singapore, Malaysia, Hongkong, Sri Lanka, Dubai and other countries.

He is the Recipient of several prestigious national/international awards for outstanding contributions in 'aquaculture & fisheries'. Served as Member of the Planning Commission Technical Committee, Karnataka Biodiversity Board, Pollution Control Board, Agricultural Scientists Recruitment Board, New Delhi, Boards and Academic Council of various Universities and other organizations.

Export Inspection Agency (EIA), Coastal Aquaculture Authority of India (CAA), Food Safety and Standards Authority of India (FSSAI) and as Technical Officers in Fisheries Survey of India (FSI), National Institute of Oceanography (NIO), Indian National Centre for Ocean and Information Services (INCOIS).

Fisheries graduates can start their own enterprise as an entrepreneur like aquarium business, aqua-Shoppe, fish breeding center, shrimp farming, fish farming, cage culture, fish processing, fish drying, packing, cold storage, cold chain enterprise or may involve in export-import activity in national as well international market. The financial support can be obtained through NFDB, NABARD or through other nationalized banks.

### Department Highlights

Department of Fisheries Science, students and faculty members are actively involved in fresh water fish production.

The smart class rooms are well furnished with audio-visual facilities. Presently the Fishery unit has 4 number of practical labs, 4 number of fish ponds, and Swimming pool.

Laboratories like Soil and water testing lab, Microbiology and Quality Control Lab, Instrumentation lab and Histopathology lab are well furnished and equipped to provide live projects and research opportunities to students.

Four numbers of ponds are available inside the campus which are being managed by our students and faculties and is used for fish breeding and rearing throughout the year.

TNU, Fish Unit already has started the new projects like Fish Portable Hatchery Unit, Nursery-rearing-stocking-brood stock pond, Ornamental unit, Fish processing Unit, Bio floc unit, live feed unit, and Integrated fish culture unit to serve quality Fishery education among the students.

Department of Fishery Science, SAAS, TNU released a half yearly E-magazine, "Matsya Purana", which portrays the multivariate fishing related activities as well as research ideas of the faculties involved as well as of the students in the department.

## SCHOLARSHIPS & FINANCIAL AIDS

We believe that no student should be stopped from pursuing their passion or achieving their full potential because of financial difficulty. At TNU, we offer numerous merit-based as well as need-based scholarships (**25% to 100% on Tuition Fees**) to ensure that no student is left behind. There is no limit to the number of scholarships granted by the University and if a student is eligible as per the given criteria then he or she will get the "Guaranteed Scholarship".

- TEJASVI SCHOLARSHIP
- SPORTS SCHOLARSHIP
- CULTURAL SCHOLARSHIP
- SARVODAYA SCHOLARSHIP (in the memory of Late Suresh Kumar Neotia) (Family Income < 2.5 Lakhs / annum)

- MERE APNE SCHOLARSHIP (For Ambuja Neotia Group employees in the memory of Late Vinod Kumar Neotia)
- SAHODARYA SCHOLARSHIP (Siblings of all TNU students - present or passed out)

- GRAMOTTHAN SCHOLARSHIP (Students from Gram Panchayat area of South 24 Parganas)
- SPECIAL HILL STUDENTS SCHOLARSHIP (Resident of GTA Area (W.B), North-East States, Nepal & Bhutan)

West Bengal Govt. Student Credit Card is accepted at TNU



## LAB, FIELDS & EXPERIMENTAL EQUIPMENT



## STUDENTS COMPLETED INTERNSHIP (PARTIAL LIST)

Name	Organization
Sk. Amanath	ATC, Burdwan
Subham Mondal	ATC, Burdwan
Susita Ghosh	ATC, Burdwan
Sohan Mandal	ATC, Burdwan
Rajdeep Datta	BSF, Kanksa
Barnali Pramanik	BSF, Kanksa
Ayan Deb	BSF, Kanksa
Shubham Kumar Singh	BSF, Kanksa
Arijit Chowdhuri	Coochbehar KVK Pundibari
Shubhayan Dutta	Coochbehar KVK Pundibari
Koutik Roy	Coochbehar KVK Pundibari
Al Amin Siddik	Coochbehar KVK Pundibari
Debjyoti Sarkar	District Seed Farm
Sethulakshmi P.S	DSF, KOZHA
Sanusha N	DSF, KOZHA
Athira B	DSF, KOZHA
Debasish Manna	DSF, Medinipur
Subhendu Chowdhury	DSF, Medinipur
Debayan Sikdar	Everest nursery, Moina, Ghoshpara, Barasat, North 24 parganas
Nayon Ghosh	Everest nursery, Moina, Ghoshpara, Barasat, North 24 parganas
Smarta Mukherjee	Everest nursery, Moina, Ghoshpara, Barasat, North 24 parganas
Jakaria Molla	Dhanyaganga KVK Sarga-chi Murshidabad
Shereen Shafat	Dhanyaganga KVK Sarga-chi Murshidabad
Lovely Kumari	JMTTC, Ranchi

Name	Organization
Swagnika Mandal	Evergreen nursery, Tamluk
Priya Maji	Evergreen nursery, Tamluk
Mainak Paloi	Jhargram Agro Processing
Anway Bakshi	Jhargram Agro Processing
Mrityunjay Kumar	JMTTC, Ranchi
Divyanshu Kumar Piyush	JMTTC, Ranchi
Srikant Kumar	JMTTC, Ranchi
Shreya Ghosh	Joyrambati Model Farm
Suraj Rai	Kalimpong KVK
Anisha Tamang	Kalimpong KVK
Samden Lepcha	Kalimpong KVK
Shabab Alam	KVK, Jalajgarh, Purnia
Chandra Kant Pathak	KVK, Khagaria
Ankita Kumari	KVK, Khagaria
Amar Kumar	KVK, Sitamari
Anurodh Gurung	Makaibari Tea Estate
Sweta Ghosh	Model Farm, Bongaon
Debasmata Sau	Model farm, Keshiary
Arijit Saha	Model Farm, Habra
Subhojit Mallick	Paramananda Nursery, Muchisa, South 24 parganas
Suvajit Karak	Parasmani Organic and agro products private limited
Souvik Roy	Potato and Maize Research Station, Anandapur
Anwasha Charan	Rathindra KVK Birbhum
Sritama Choudhury	Rathindra KVK Birbhum
Arnab Bhanja	Potato and Maize Research Station, Anandapur
Nabajit Das	Rathindra KVK Birbhum

Name	Organization
Dipanwita Sandhukhan	Rathindra KVK Birbhum
Prayanshu Saha	SARF, Baruiapur
Indranil Kodaly	SARF, Baruiapur
Tanmay Chakraborty	SARF, Baruiapur
Sweta Dey	SARF, Contai
Debayan Biswas	SARF, Kaliachak
Abhirup Roy Chowdhury	SARF, Kandi
Tiyasa Ray	SARF, Khirpai
Sumanuddin Mandal	SARF, Krishnagunj
Disha Bera	SARF, Nandigram
Ishita Samanta	SARF, Pingla
Meghna Haldar	SARF, Pingla
Aenika Mandal	Sasyashyamala KVK Sonarpur
Ankita chowdhury	TaTa Rallis
Partha Sarathi Khara	WMRS, Ranaghat
Swarnajit Pal	WMRS, Ranaghat
Sourav Gurung	ZARS, Mohitnagar, Jalpaiguri
Avirup Saha	ZARS, Mohitnagar, Jalpaiguri
Mahamuda Khatun	ZARS, Nalhati
Hasina Begam	ZARS, Nalhati
Milan Sen	ZDRP Research Station Hathwara
Debapriya Sarkar	SARF, Chanchal
Debabrata Bhattacharyya	TaTa Rallis
Anupam Dey	TaTa Rallis
Bijoy Kumar Bhadra	Sasyashyamala KVK Sonarpur
Arijit Banik	Sasyashyamala KVK Sonarpur
Sutanuka Das	SARF, Pingla
Sayan Kumar Saha	Potato and Maize Research Station, Anandapur

