



# B. Voc. in Agriculture

Admission for 2024-25

### Industry Partners for Internship & Placement



# Programme Objective

The B.Voc. Agriculture is a 3-years program offered by School of Agriculture and Allied Sciences, The Neotia University. This program is designed considering UGC mandate of combining general education (72 credits in six semesters) with specific job roles / skill development (108 credits in six semesters) as part of internship. Each student get opportunity to work in industry and become familiar with job requirement & environment. It is particularly suitable for those students looking for early appropriate employment, becoming entrepreneurs or running business. It also meets the requirement of trained man power in the industry. The uniqueness of the program is the provision for multiple entry / exit option leading to obtaining desired qualification for obtaining “Diploma”, “Advanced Diploma” and “Degree” after successful completion of 1, 2 and 3 years.

Intake capacity: 40

## Eligibility

The eligibility condition for admission to B.Voc. programme shall be 10+2 or equivalent from any recognized board, in any stream.

## Programme structure

The three-year full time B. Voc in Agriculture programme is divided into three academic years or six semesters. The general education and skill component details semester wise are given below:

| Semester I   |             |  |           |
|--------------|-------------|--|-----------|
| CL. No.      | Course code | Course Title   | Credits   |
| 1.1          | GEC 101     | English A01(Comprehension and Communication Skills in English) | 4         |
| 1.2          | GEC 102     | Computer Operation Skills                                      | 4         |
| 1.3          | GEC 103     | Basic Numerical Skills and Statistics                          | 4         |
| 1.4          | SDC101      | Fundamentals of Agronomy and Crop Physiology                   | 4         |
| 1.5          | SDC102      | Fundamentals of Horticulture                                   | 4         |
| 1.6          | SDC103      | Fundamentals of Soil Science                                   | 4         |
| 1.7          | SDC104      | Crop Production I (Kharif Crops)                               | 6         |
| <b>Total</b> |             |  | <b>30</b> |

## Dean's Message

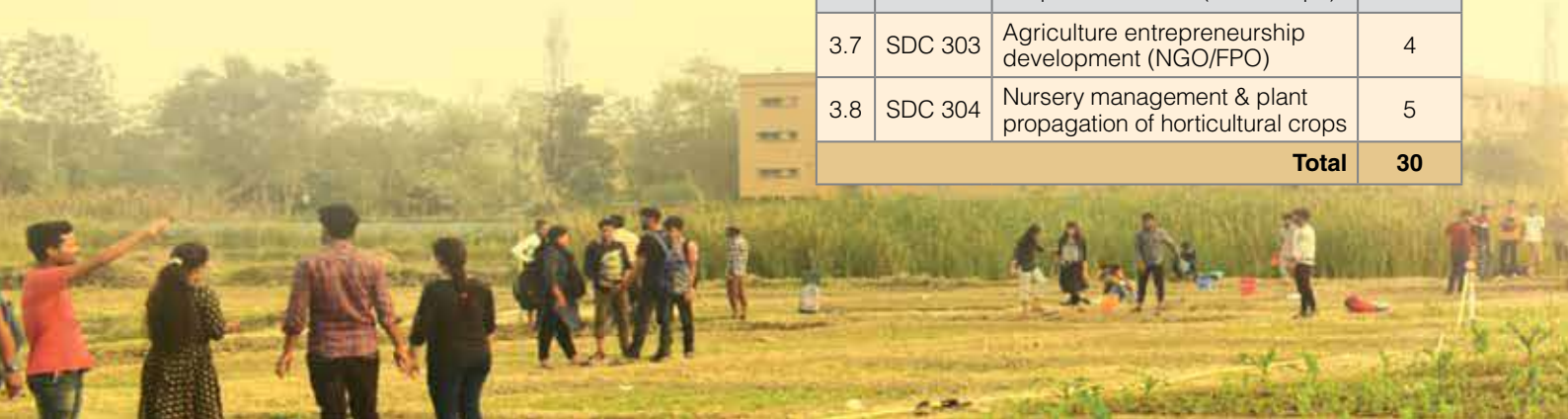
**Prof. (Dr.) Sushil Kumar Kothari**  
Dean, School of Agriculture and Allied Science (SAAS), The Neotia University (TNU).



Agriculture is the cornerstone of our society, supporting not only our nutritional needs but also our economic and environmental well-being. Our new UG program is designed to equip students with the knowledge, skills, and critical thinking required to address the complex challenges facing modern agriculture. Whether you are focusing on sustainable farming practices, agribusiness, precision farming, biotechnology, or food security, our curriculum is tailored to provide a comprehensive and cutting-edge education. We have all requisite lab, field facilities & highly experienced faculty members, that will enable students to carry out their lab & field work. I wish for the grand success of the program in our school.

| Semester II  |             |   |           |
|--------------|-------------|---|-----------|
| CL. No.      | Course code | Course Title  | Credits   |
| 2.1          | GEC 201     | English A 02(Personality Development)               | 4         |
| 2.2          | GEC 202     | Digital Marketing and e-commerce                    | 4         |
| 2.3          | GEC 204     | Fundamentals of Agriculture Extension               | 4         |
| 2.4          | SDC 201     | Fundamentals of Seed technology                     | 4         |
| 2.5          | SDC 202     | Water management & Irrigation                       | 5         |
| 2.6          | SDC 203     | Pest and Disease Management & on farm demonstration | 5         |
| 2.7          | SDC 204     | Greenhouse operations                               | 4         |
| <b>Total</b> |             |   | <b>30</b> |

| Semester III |             |   |           |
|--------------|-------------|---|-----------|
| CL. No.      | Course code | Course Title  | Credits   |
| 3.1          | GEC 301     | English A03 (Spoken English)  | 4         |
| 3.2          | GEC 302     | Environmental science and Disaster Management                                     | 3         |
| 3.3          | GEC 303     | BFinancial literacy and Basic accounting  | 4         |
| 3.4          | GEC 304     | Yoga  | 1         |
| 3.5          | SDC 301     | Production technology of Vegetables, Fruits, Flowers, Spices and Plantation crops | 5         |
| 3.6          | SDC 302     | Crop Production II (Rabi Crops)   | 4         |
| 3.7          | SDC 303     | Agriculture entrepreneurship development (NGO/FPO)                                | 4         |
| 3.8          | SDC 304     | Nursery management & plant propagation of horticultural crops                     | 5         |
| <b>Total</b> |             |   | <b>30</b> |





| Semester IV  |             |  |           |
|--------------|-------------|--|-----------|
| CL. No.      | Course code | Course Title   | Credits   |
| 4.1          | GEC 401     | English A04 (Soft Skills, Negotiation and Selling skills)    | 4         |
| 4.2          | GEC 403     | Manures, fertilizer and soil fertility                       | 4         |
| 4.3          | GEC 404     | Agriculture marketing, trade, prices (e-nam) and Finance     | 4         |
| 4.4          | SDC 401     | Integrated weed management (Cultural, Chemical & Mechanical) | 4         |
| 4.5          | SDC 402     | Livestock & poultry farming and Feed & Fodder production     | 4         |
| 4.6          | SDC 403     | Internship/Project (Seed Industry)                           | 10        |
| <b>Total</b> |             |  | <b>30</b> |

| Semester V   |             |   |           |
|--------------|-------------|---|-----------|
| CL. No.      | Course code | Course Title  | Credits   |
| 5.1          | GEC 501     | Farm implements and Machinery   | 4         |
| 5.2          | GEC 502     | Introduction to Research Methodology and Report Writing               | 4         |
| 5.3          | GEC 503     | Organic Farming, Certification & Export                               | 4         |
| 5.4          | SDC 501     | Food nutrition, safety and standards                                  | 4         |
| 5.5          | SDC 502     | Rural development   | 4         |
| 5.6          | SDC 503     | Internship (Industry other than seed viz. pesticide, fertilizer etc.) | 10        |
| <b>Total</b> |             |   | <b>30</b> |

| Semester VI  |             |   |            |
|--|-------------|---|------------|
| CL. No.  | Course code | Course Title  | Credits    |
| 6.1  | GEC 203     | Risk management and Agriculture Insurance                         | 4          |
| 6.2  | GEC 402     | Intellectual Property Rights and Organizational Behaviour         | 4          |
| 6.3  | GEC 504     | Precision Farming   | 4          |
| 6.4  | SDC 601     | Major Internship/Main Project and Dissertation (KVK, Institution) | 18         |
| <b>Total</b>                                       |             |   | <b>30</b>  |
| <b>Total Credits for General Courses</b>           |             |   | <b>72</b>  |
| <b>Total Credits for Skill Development Courses</b> |             |   | <b>108</b> |
| <b>Grand Total</b>                                 |             |   | <b>180</b> |

## Scope after completion of the course

- After completing 1st year (Diploma) students will become eligible to get jobs in KPS, UPPS, Seed companies, Pesticide companies, NGOs, FPOs, CADC, Sales Officer, Computer operator, Digital marketing etc.
- After completing 2nd year (Advanced Diploma) students will become eligible to get jobs in KPS, UPPS, Private dairy & poultry farms, Nurseries, Fertilizer companies, NGOs, FPOs etc.
- After completing 3rd year (B.Voc Degree) students will become eligible to get jobs in KPS, Field Officer, UPPS, Market Development Officer (MDO), Irrigation companies, NGOs, FPOs, Farm Manager, etc.

## Pedagogy

- All the classrooms have interactive smart boards / projector.
- Classrooms are equipped with 75-inch interactive panels, backed by UPS and 100 Mbps internet connectivity and seating arrangement for 60 students.
- Course wise lesson plans are made available to the students at the beginning of the semester.
- Video / film links/ e-contents are provided related to the course.
- Hosts a variety of seminars, symposiums, orientation programmes, and workshop.

## Infrastructure

- The School of Agriculture and Allied Sciences is equipped with 17 Labs and Experiential Learning modules unit viz. Mushroom Unit, Sericulture Unit, Dairy Unit, Poultry Unit, Beekeeping Unit, etc.
- The School of Agriculture and Allied Sciences has 9.84 ha land area for conducting various practical works in Instructional farm, Polyhouse, Net house, land shaping models, Orchards etc.

## Fee Structure (Amount in INR)

| Fee Per Semester                           | One Time Fee | 1st Semester Fee | Total Course Fee |
|--|--------------|------------------|------------------|
| <b>B.Sc. (Hons.) Agriculture (4 years)</b> |              |                  |                  |
| 37,500                                     | 8,000        | 45,500           | 2,33,000         |



## Life at TNU

The Neotia University (TNU) is spread over 50 acres of lush green, beautifully landscaped campus in the outskirts of Kolkata. We offer a rather impressive array of facilities to enhance students' life at the campus. The institute provides its community all the requisite facilities to help their quest for knowledge. There are 17 different clubs.

## Teaching Faculty

The School of Agriculture and Allied Sciences has recruited qualified faculty to help it achieve its goals. Currently, the institution has 32 Assistant Professors, 5 Assistant Professors(Adhoc.), 3 Associate Professors, and 3 Professors, a total of 43 faculties to educate the students. 95 per cent or more of the faculties are Ph.D. holders. The School of Agriculture and Allied Sciences also employs 46 non-teaching staff members in total.



**Prof. (Dr.) Sushil Kumar Kothari**  
Professor & Dean,  
School of Agriculture and Allied Sciences (SAAS)



**Prof. (Dr.) Uttam Kumar Pal**  
Professor & Head,  
Dept. of Animal Science



**Dr. Agniswar Jha Chakraborty**  
Assistant Professor & Head,  
Dept. of Agricultural Economics



**Dr. Bidisha Mondal**  
Associate Professor & Head,  
Dept. of Genetics & Plant Breeding,



**Dr. Koushik Sen**  
Assistant Professor & Head  
Dept. of Entomology



**Dr. Solanki Sarkar**  
Assistant Professor & Head  
Dept. of Plant Pathology



**Dr. Tanuj Kumar Mandal**  
Assistant Professor & Head  
Dept. of Agronomy



**Dr. Madhurima Banik**  
Assistant Professor & Head  
Dept. of Soil Science



**Dr. Pragnu Pal**  
Assistant Professor & Head  
Dept. of Biochemistry and Crop Physiology



**Dr. Sarthak Bhattacharya**  
Assistant Professor & Head  
Dept. of Horticulture



**Dr. Shankha Koley**  
Assistant Professor & Head  
Dept. of Agricultural Engineering



**Dr. Shraddha Bhattacharjee**  
Assistant Professor & Head  
Dept. of Agricultural Extension Education

**AmbujaNeotia**

**THE NEOTIA  
UNIVERSITY**

ज्ञानम् आत्म प्रदीपाय

Approved Under Sec.2(f) of UGC Act 1956

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**Head Office / City Admission Office:** Vishwakarma, 86C Topsia Road (S), Kolkata - 700 046

**For Admission related details, call- Campus:** +91 70444 46888

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