

E. Name of the Programme: Ph. D. Programme in Agricultural Statistics

6.4.1. Brief History of the Programme:

In 1974 this programme was initiated by the Department of Agricultural Statistics. The department imparts teaching and research prospects in Statistics, Mathematics and Computer Science and Information Technology to all the students across the faculties and Colleges of the University.

Objectives:

- To impart academic knowledge and provide teaching facility in Statistics, Mathematics and Computer Science & Information Technology to all the students across the three faculties as well as two extended campuses of the Viswavidyalaya.
- To conduct research for development of the subject and its applications in all fields of Agricultural research
- To provide hands on training on using statistical soft wares to build expert data scientist
- Thrust areas of research are Statistical Methodologies, Time Series Modelling, Econometrics, Environmental Statistics Design of Experiments and Soft computing Techniques.

Programme Accomplishment:

- Nineteen (19) students have been awarded Ph D degree during last 5 years, and presently 20 students are pursuing their Ph D programmes
- 1 Ph D scholar has undergone international training programmes of 6 months duration under CAAST on Conservation Agriculture, BCKV at NEOMA Business School, Rouen, France.
- Four (4) Ph D students were in service candidates from IASRI and other ICAR institutes.
- 8 Ph D awardees from the Dept have been placed as Assistant Professors in State, Central and Private agricultural universities during last five years.
- One (1) awardee Have joined Central Research and Training Institute
- More than 20 research papers have been published from the Ph D theses in journals above 5 NAAS scores.



6.4.2. Faculty Strength

SL No.	Type of Faculty	Sanctioned Faculty	Faculty in place	Vacant position	Faculty recommended by the ICAR
1.	Professor	0	0	0	0
2.	Associate Professor	1	1	0	0
3.	Assistant Professor	6	2	4	3

Note: Department engaged guest faculties to run the programme (see annexure-V)

6.4.3. Technical and Supporting staff

SL No.	Category of Staff	Sanctioned Staff	Staff in place	Vacant position	No. of Staff recommended by ICAR
1.	Technical Assistant	2	2	0	3 (Lab Assistant)
2.	Office Assistant	1	0	1	
3.	Field Assistant	1	1	0	
4.	Laboratory Attendant	2	0	2	
5.	Junior Assistant				1 (Assistant)
6.	Junior Storekeeper	1	0	1	
7.	Office Attendant	1	1*	0	

*Outsourcing (see annexure-V)

6.4.4. Classrooms and Laboratories:

6.4.4.1. Number of Classroom: 3

SI No.	Name of Laboratory/ Facility	Area (m ²)	No of students can sit
1.	PG Class room -I	130	50
2.	PG Class room -II	48	20
3.	PG Class room - III	30	15
4.	Seminar Room	30	20

6.4.4.2. Number of Functional Laboratories: 3

SI No.	Name of Laboratory/ Facility	Area (m ²)	No. of Supporting Staff Attached
1.	Computer Laboratory- I	80 (45 students)	1
2.	Computer Laboratory- II	80 (20 students)	



6.4.4.3. List of major equipments, laboratories, farm facilities, workshops and other instructional units

SL No.	Name of Laboratory/ Facility	List of major equipments and facilities
1.	Computer Laboratory- I	45 desktops with internet facility and overhead projector
2.	Computer Laboratory- II	6 desktops with internet facility

6.4.4.4. Justify whether these facilities are sufficient to meet the course curricula requirement:

For successful execution of the programme in respect of practicals as per the recommended syllabus is at a satisfactory level.

6.4.4.5. Number of theory batches for the Degree Programme- 1

6.4.4.6. Number of Practical Batches for the Degree Programme-1

6.4.5. Conduct of Practical and Hands-on-Training:

Approximately 90% of the practical syllabus can be successfully done with the available facilities. Facilities can be given individually to all five students to make them skilful enough for the entire practical.

6.4.6. Supervision of students in PG/PhD Programme:

6.4.6.1. Total Number of Students pursuing the Degree at Present: 16

6.4.6.2. Total Number of faculties supervising the Students: 3

	No. of students and teachers for the Ph. D (Ag.) Statistics programme in last five years				
	2016-17	2017-18	2018-19	2019-20	2020-21
No. of students in PG programme	09	10	13	14	16
No. of eligible teachers for guiding the PG students in Department	4	4	3	3	3

Eligible Criteria to become a PhD Advisor:

(Clause 6.03 of the BCKV Regulations regarding Doctoral Degree Programme, 2019)

6.03. Recognition of chairperson / Member of Advisory Committee

- (i) A teacher of the Viswavidyalaya as defined in the Act having at least three (3) years of research and/ or teaching experience after a doctoral degree and at least seven (7) publications after the doctoral degree or joining in service as applicable in the NAAS/ UGC rated journals and /or peer reviewed journals with impact factor as approved by the Board of Studies of the concerned department and subsequently by the PG-UG



Council of the respective Faculty, if required, may be recognised as chairperson / member of the Advisory Committee of a student under doctoral degree program.

- (ii) A teacher of the Viswavidyalaya without Doctorate degree but having at least 10 years research / teaching experience and at least seven (7) publications in the NAAS/ UGC rated journals and /or peer reviewed journals with impact factor as approved by the Board of Studies of the concerned department and subsequently by the PG-UG Council of the respective Faculty, if required, may be recognised as chairperson /member of Advisory committee of a student under doctoral degree program.
- (iii) The teachers of the Viswavidyalaya who have registered themselves for the doctoral degree programme shall not be eligible as the Chairman / Member of the Advisory committee of a student.

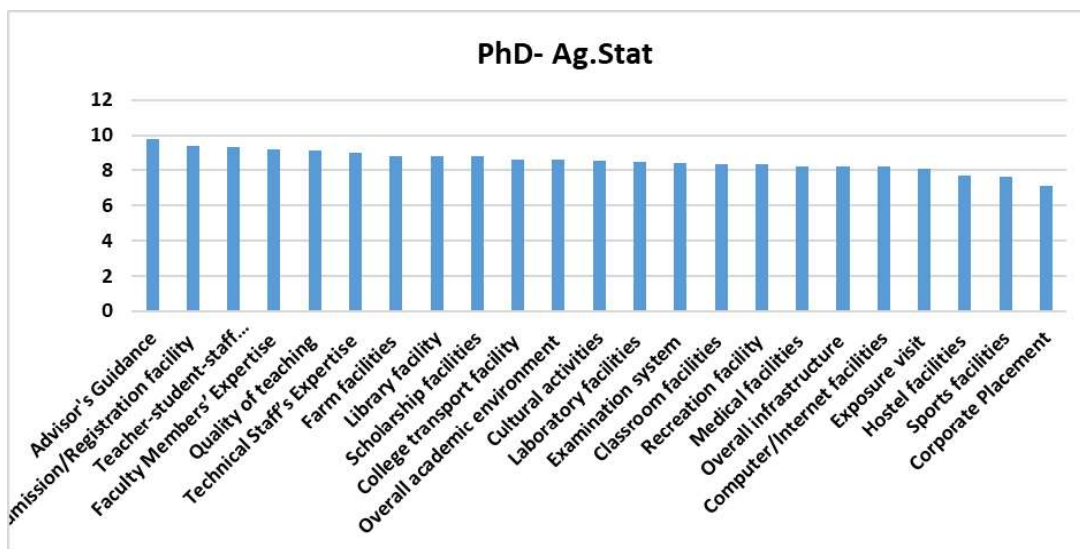
* Documentary evidence attached as annexure I

6.4.7. Feedback of stakeholders:

6.4.7.1. Mention the feedback mechanism

Feedback from the students was conducted in Google Forms using standard questionnaire (24 questions) developed on the basis of comprehensive dimension of Agricultural Education in BCKV campus. The dimension covered all the physical and academic facilities provided by the University. The responses were collected on a 10-point scale (1 denotes poorest facility and 10 denotes excellent facility) from the students of this programme. Individual responses were analyzed statistically (by computation of weighted average of every facility as perceived by the students) for the programme and the result was graphically presented in the SSR. As a documentary evidence, individual responses collected from the students' email ID through Google Forms have been stored in our computer (Google Drive). On demand, of ICAR Peer Review Team, the link for the individual responses can be shared.





Comment: Doctoral students of PhD- Ag. Statistics Programme are happy with nearly all the facilities provided by the University. Though, facilities like Corporate Placement and Sports Facilities have good scope for improvement.

6.4.7.2. What action the University has taken to address the issues raised in the feedback?

Action taken

The feedback reports were shared with concerned sections of the university. Students responded very positively with regards to majority of the facilities provided by the university. However, with respect to timely publication of results and corporate placement, there are ample scopes of improvement. Considering this feedback, the university has taken administrative actions for publication of results within stipulated period as reflected in the circulars of the concerned authorities. As corporate placement, to a great extent, is beyond the purview of the university itself, the Placement Cell continuously in touch with the potential employers to utilize the vacancies in favour of BCKV

Impact

We are expecting very positive impacts in near future on these issues as some steps have already been taken in recent times as mentioned above.

6.4.8. Student intake and attrition in the programme for last five years:

Academic Year	Sanctioned strength	Actual intake	Attrition (%)	Students awarded with the degree
2016-17	6	3		0
2017-18	6	4		2
2018-19	6	5		2
2019-20	6	5		2
2020-21	6	6		1

Note: Students can submit their thesis from 6th semester onwards. Hence, working out attrition cannot be possible. Therefore, the number of the students awarded with the Ph D in different academic session are included in the table.

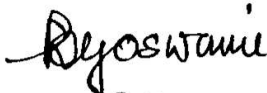
6.4.9. ICT Application in Curricula Delivery:

LCD Projectors and computers with necessary software/tools for Bioinformatics course.

I, the **Dean, Prof. Subhendu Bikash Goswami**, hereby certify that the information contained in the Section 6.4.1 to 6.4.9 are furnished as per the records available in the college, and degree awarding university.

Place: Mohanpur

Date: 02-11-2021


Dean
Faculty of Agriculture
Bidhan Chandra Krishi Viswavidyalaya
Mohanpur, Nadia, West Bengal

(Signature of Dean of the Faculty with Date & Seal)

