

6.4. Self-Study Report for the Post Graduate Programme

Faculty of Horticulture, BCKV

A. Name of the Programme: M. Sc. (Hort) Floriculture and Landscaping

6.4.1. Brief History of the Programme:

The PG degree programme was initiated in 1996 to cater the degrees in M. Sc. (Hort.) in Floriculture & Landscaping whenever the Faculty of Horticulture was established to cater the education to the students including researches in Floriculture and Landscaping. The master programme's nomenclature was subsequently changed to Floriculture & Landscape Architecture in the year 2018 to cater the degree M. Sc. (Hort.) in Floriculture & Landscape Architecture. The department has been created by the State Government to fulfil the thrust of horticulture especially floriculture production and business in the state of West Bengal. The Department of Floriculture & Landscaping is running with its full of reputation in national and global level. This department is contributing both research and education to strengthen the farming community of floriculture with technical extension support on the latest technologies to be West Bengal one of the top floriculture producing states in the country. Besides, this department creates linkages with academics, scientists, producers and farmers by conducting training, projects as well organizing seminars and symposiums.

Objectives:

- This PG program aims to teach students with strong theoretical base through course curricula to be expert on with confident knowledge on floricultural science and landscaping
- To equip post graduate students to be capable to explore in research acumen in different aspects of floricultural science and landscaping
- To develop the skill and upscale the perception on research methodology on different aspects of floricultural science to function as expert to solve the problems on floriculture
- To develop the skill and ignite the innovativeness on landscaping to contribute to the society as landscape planner

Accomplishment:

- Thirty two (32) students have successfully completed PG programme during last 5 years in this department under this programme



- Fourteen (14) students from the Dept., have cleared ICAR NET during last five years
- Two (2) students have joined in Nationalized Bank as Agriculture Officer
- One (1) student has joined Assistant Director of Horticulture in Government of West Bengal
- Two (2) students joined in in private sector and one (1) student have joined in technical assistant in KVK
- One (1) student qualified MBA admission in Agriculture Business Management and admitted in national management institute
- Three (3) students succeeded to earn prestigious fellowships at All India level like National Fellowship for Higher Education (NFHE) of SC and ST students, National Fellowship for students of OBC for Research in Social Sciences for pursuing Ph. D. degree.
- Nine (9) passed students of the master degree program eleven (11) published the research findings of their PG thesis as research articles in standard journals.
- Students presented nineteen (19) papers in National Symposium and Conferences during last five years
- Two (2) students were awarded for best papers presented in the national symposia

6.4.2. Faculty Strength

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

*Faculties associated in AICRP

6.4.3. Technical and Supporting staff

SL. No.	Category of Staff	Sanctioned Staff	Staff in place	Vacant position	No. of Staff recommended by the ICAR
1.	Technical Assistant	1	0	1	1
2.	Laboratory Attendant/Assistant	2	1	1	2
3.	Office Assistant	1	1	0	1
4.	Field Assistant	2	0	2	2



6.4.4. Classrooms and Laboratories:

6.4.4.1. Number of Classroom: 1

Room	Purpose (Class/Practical)	Area (sq. m)
1.	Class room (PG & PhD)	40

6.4.4.2. Number of Functional Laboratories:

Sl No.	Name of Laboratory/ Facility	Area (sq. m)	No. of Supporting Staff Attached
1	Post Graduate Lab-I	37.16	2
2	Post Graduate Lab-II	64.32	
3	Post Graduate Lab-III	37.16	Nil

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	Post Graduate Lab-I	<ol style="list-style-type: none">1. Distillation unit2. Hot air oven3. Hot plate4. Water bath5. Soxhlet apparatus6. Weighing machine
2	Post Graduate Lab-II	<ol style="list-style-type: none">1. Single beam Spectrophotometer2. Centrifuge3. Precision balances4. Microwave oven5. Mixer and grinder6. Titration unit7. EC meter8. Refrigerator
3	Post Graduate Lab-III	<ol style="list-style-type: none">1. Cabinet dryer2. Vacuum dryer3. Water bath4. Cold centrifuge5. UV-Vis Spectrophotometer6. Autoclave7. Microwave oven8. pH meter9. Precision balance10. Refrigerator11. Microscope with photography attachment12. Lamination unit13. Sealing machine



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

SL. No.	Name of Laboratory/ Facility	List of major equipments and facilities
4.	Farm facilities	Well-equipped poly houses facilities for growing gerbera, roses and orchid. Germplasm blocks for annuals, shrubs, hedges, etc. Hybridization blocks for tube rose Well-arranged research fields with irrigation and machinery facilities

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

The present infrastructure facilities in the farm and laboratories are sufficient to meet the course curricula requirement. Expenditure required for different research programme leading to thesis work for the fulfilment of the degree programme is incurred from the monthly contingent grant of the University. However, separate financial grant for persuasion of research programme for the thesis would be beneficial for the student.

6.4.4.5. Number of theory batches for the Degree Programme

Single batch (7-9 students)

6.4.4.6. Number of Practical Batches for the Degree Programme

Single batch (7-9 students)

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

Students in practical classes are catered focusing on hands on works at PG level with the available facilities according to the practical syllabi. The field practicals are done Horticulture Research Station, Mondouri and Horticulture Experiential Learning block, Mohanpur for taking practical and research works for master's thesis work. The laboratory practicals are catered mainly in PG Lab –I & II and research works of PG programmes are done in PG Lab-I, II & III.

6.4.6. Supervision of students in PG Programmes:

6.4.6.1. Total Number of Students pursuing the Master's degree at Present: 19 for last two years

6.4.6.2. Total Number of faculties supervising the Students: 6

Status	2016-17	2017-18	2018-19	2019-20	2020-21
No. of Students pursuing the degree	13	13	13	15	19



No. of eligible Teachers	6	6	6	6	6
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Eligible Criteria to become a PG Advisor:

(Clause 4.08 of the BCKV Regulations regarding Masters' Degree Programme, 2019)

4.08 Advisement:

A Chairperson shall be assigned to each student by the Head of the department in consultation with the Board of Studies (BOS) from amongst the internal member of BOS in which the student is registered. The chairperson must be associated with regular post graduate teaching program of the concerned department. The students should be allotted to the Chairpersons following the norm as a laid down below.

- (i) Head of the department, in consultation with the Board of Studies, will prepare a list of eligible teachers according to seniority, keeping continuity of the previous years.
- (ii) Student will not be allotted to the teachers having less than (2) two years of regular service in the Viswavidyalaya at the time of allotment of the student.
- (iii) Student will not be allotted to a teacher when he /she is on lien.

* Documentary evidence attached as annexure at the end

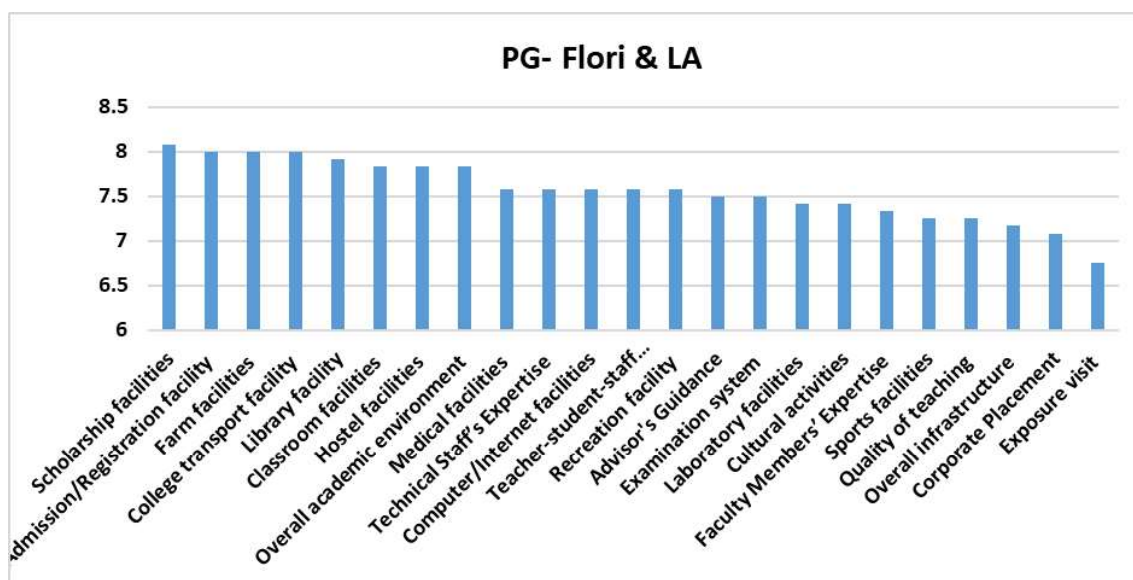
6.4.7. Feedback of stakeholders:

6.4.7.1. Mention the feedback mechanism

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: Masters' degree students of Floriculture and Landscape Architecture Programme are content with nearly all the facilities provided by the University. Facilities like Corporate Placement, Exposure Visit and Infrastructure have some 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 (%)
2016-17	7	7	14.28
2017-18	7	7	0
2018-19	7	7	14.28
2019-20	7	9*	0
2020-21	7	10*	0

Note: * Readmission of un-successful candidates

The attrition in the year 2016-17 and 2018-19 is due to getting job in the nationalized bank during the PG studies.

6.4.9 Information Communication Technology Application in Curricula Delivery:

The systematic use of ICT tools in classroom instruction makes the teaching learning process more effective and highly interactive. Generally, in the pre-pandemic condition the use of ICT was limited to classroom lecture through power point presentation using LCD projector. The use of ICT tools became more dominant as the pandemic situation started. The University has to run the teaching and learning process completely in distance mode *via* electronic networks. The ICT tools used for the curriculum delivery for different theory and practical classes at regular basis are Google meet, Zoom and Microsoft Team. E-mail, Whatsapp etc. has been used for delivering lecture notes to the students.

I, the **Dean, Pallab Datta**, 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.

Pallab Datta

Place: Mohanpur

Date: 02-11-2021

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

