6.4 Self-Study Report for the Undergraduate Programme, Faculty of Agriculture, Mohanpur, BCKV

Name of the Programme: B. Sc. (Hons.) Agriculture

The Indian Council of Agricultural Research (ICAR) has been periodically appointing Deans' Committees for revision of course curriculum as per National Policy on Agricultural Education. Considering the recommendations of the 5th Deans' Committee (FDC, 2015), a holistic approach for quality assurance in agricultural education has been adopted to strengthen the educational standards, graduate employability, and research competency and extension strategies in the Faculty of Agriculture under Bidhan Chandra Krishi Viswavidyalaya, the State Agricultural Universities (SAU) of West Bengal. The course curricula have been restructured to develop much needed skills and entrepreneurial mind-set among the graduates to take up self-employment, contribute to enhanced rural livelihood and food security and sustainability of agriculture. In compliance with the report, students' READY programme has been launched comprising experiential learning, rural agriculture work experience, in plant training/ industrial attachment during 2016-2021.

6.4.1 Brief History of the Programme

The degree programme of **B. Sc. (Hons.) Agriculture** has been started in the year 1960 under the Faculty of Agriculture, Kalyani University, West Bengal. Immediately after the establishment of a full-fledged agriculture university in the name of "**Bidhan Chandra Krishi Viswavidyalaya**" in 1974, it has been shifted with the Faculty of Agriculture as one of the Faculties of the University. Associated with this long journey, the Faculty of Agriculture, BCKV is playing a vital role in the state of West Bengal and India. The Faculty of Agriculture having 15 Departments caters courses to the 130 UG students.

The agricultural education of **B. Sc. (Hons.) Agriculture** has been started with the basic and fundamental courses, the principles and production technologies, crop protection, farm management and economics of production, agricultural extension, skill and entrepreneurship development in the field of agriculture for developing human resource, improving the crop production, efficiency of different inputs and improving farmers' income thereby. The milestones, goals and achievements of the Faculty of Agriculture are presented in the here:

<table>
<tr><th>Items</th><th>Particulars</th></tr>
<tr><td>Level of Degree</td><td>Undergraduate (UG), Postgraduate (PG) & Ph.D</td></tr>
<tr><td>Name of the Degree Programmee</td><td>B.Sc.(Hons.) Agriculture</td></tr>
<tr><td>Year of Initiation</td><td>1960 / 1974</td></tr>
<tr><td>Milestones</td><td>▪ 1960: B.Sc (Ag) Hons as four year degree programme was started in the Faculty of Agriculture under Kalyani University.
▪ 1974: B.Sc (Ag) Hons degree programme started functioning in Faculty of Agriculture under Bidhan Chandra KrishiViswavidyalaya. Student intake capacity was 120 nos.
▪ 1978: B.Sc. (Ag) Hons degree programme started in extended campus at Cooch Behar district with students' intake capacity of 30 nos.
▪ 2016: Faculty of Agriculture implemented the recommendations of the 5th Deans Committee.
▪ 2017: The nomenclature of B. Sc (Ag.) Hons degree renamed as B.Sc. (Hons.) Agriculture</td></tr>
<tr><td>Curriculum and credit hours</td><td>B.Sc. (Hons.) Agriculture
<table>
<tr><th>Gradial Courses</th><th>Credit hours (Th+Pr)</th><th>Total Credit hours</th></tr>
<tr><td>Basic Science & Humanities</td><td>5+5</td><td>10</td></tr>
<tr><td>Agricultural Basic Courses</td><td>48+35</td><td>83</td></tr>
<tr><td>Agricultural Production courses</td><td>25+20</td><td>45</td></tr>
<tr><td colspan="3">Student READY Programme</td></tr>
<tr><td>Rural Agricultural Work Experience (RAWE)</td><td>0+20</td><td>20</td></tr>
<tr><td>Experiential Learning Programme (ELP)</td><td>0+20</td><td>20</td></tr>
<tr><td colspan="3">Non Gradial Courses</td></tr>
<tr><td>NSS</td><td>0+1</td><td>1</td></tr>
<tr><td>Yoga</td><td>0+1</td><td>1</td></tr>
<tr><td>Educational Tour</td><td>0+2</td><td>2</td></tr>
<tr><td>Remedial courses</td><td>0+2</td><td>2</td></tr>
<tr><td>Credit Hours Grand Total</td><td>78+104</td><td>184</td></tr>
</table></td></tr>
<tr><td>Students Admitted Number</td><td>Total 130 nos
Home University 113 nos, ICAR 17 nos</td></tr>
<tr><td>Objectives of the degree Programme</td><td>Vision
▪ Impart agricultural education for human resource development and enhancing the food, feed and fibre</td></tr>
</table>

production in the state.

Mission

- Increase the knowledge for efficient use of different agricultural inputs and natural resources, including different forms of renewable energy sources.

Goals and Mandate

- Generation of improved technologies for enhancing the agricultural productivity.
- Inculcate rural and entrepreneurship awareness development among the students.
- Transfer of improved technologies to the farmers.

Accomplishment

1. Academics

Year wise students selected for JRF

Year	JRF Nos
2020-21	38
2019-20	16
2018-19	25
2017-18	13
2016-17	20

Students got opportunity for higher studies in some prestigious university through National Level Admission Test-

- Indian Agricultural Research Institute, New Delhi (Agronomy – Kironmoy Patra, Ayan Sarkar,)
- Indian Institute of Science, Bangalore
- Indian Institute of Technology, Bombay, Kharagpur
- Jawaharlal Nehru University, New Delhi
- National Institute of Biomedical Genomics, Kalyani
- G.B. Pant University of Agriculture & Technology, Pantnagar (Agronomy – Dipanjana Roy, Debarati Dutta
- Punjab Agricultural University, Ludhiana
- ChaudharyCharan Singh Haryana Agricultural University, Hisar
- Banaras Hindu University (BHU), Varanasi (Agronomy – Tanmoy Paik, Sayoni Das)
- Dr. Rajendra Prasad Central Agricultural University, Pusa (Samastipur)
- University of Agricultural Science, Dhardwar
- Orissa University of Agricultural & Technology, Bhubaneswar
- University of Agricultural Science, Bangalore (Agronomy – Souvik Ganguly)

	• Narendra Deva University of Agriculture & Technology, Faizabad • Swami Keshwanand Rajasthan Agricultural University, Bikaner • Assam Agricultural University, Jorhat • Bihar Agriculture University, Sabour • Institute of Rural Management, Anand (IRMA) • MANAGE, Hyderabad. **2. Sports** • Students participated in Cricket, Foot ball and Volley ball in the Eastern Zone competition (2016- 2019) and secured medals **3. Cultural** • Students had participated in the **Youth Festival** of Eastern India and **Agri-Fest** national level competition (2016-2020 February) and 6 and 2 won the medals respectively. • BCKV UG students had participated the Quiz and Eloquent Competition of Easter Zone and got the large number of prizes. Two students - Parijat Bhattacharya and Mayuk Bhattacharya made the university proud. **4. NSS** • The UG students of Faculty of Agriculture, BCKV was awarded the best NSS unit award for the year 2017-18 by the Govt. of West Bengal.

6.4.2 Faculty Strength

Sl. No.	Faculty Designation	Sanctioned posts	Faculty in Place	Vacant Position	Faculty recommended by ICAR
1	Professor	17	3	14	3
2	Associate Professor	46	26	20	8
3	Assistant Professor	109	69	40	34
Total		**172**	**98**	**74**	**45**

Note: Sanctioned faculty data includes only substantiate post for which Sate Govt. has cent per cent salary contribution

6.4.3 Technical and Supporting staff:

Sl No.		Sanctioned staff	Staff in Place	Staff from other Resources	Vacant Position	Staff strength recommended bythe ICAR
1.	Technical Assistant	60	11	0	49	19 (Lab Assistant)
2.	Laboratory	45	11	0	34	13 (Field Assistant)

	attendant					
3.	Office Assistant	16	4	0	12	
4.	Field Assistant	4	4	2 (Contractual)	0	11 (Assistant)
5.	Stenographer	0	0	0	0	
6.	Group C Other posts	0	0	0	0	
7.	Group D (Field Worker; Peon; Durwan; Sweeper; mali; Office attendant	3	3	16 (Contractual)	0	
8.	Store keeper	8	6	0	2	
9.	Officer	0	0	0	0	
	Total	**136**	**39**	**18**	**97**	

6.4.4 Classrooms and Laboratories:

6.4.4.1 Number of Classrooms for B.Sc (Hons.) Agriculture Programme

Class room for	No. of class rooms	Area (m^2)	Sitting capacity
1st Year B.Sc.(Hons) Ag	1	64.8	130
2nd Year B.Sc.(Hons.) Ag	1	64.8	130
3rd Year B.Sc.(Hons.) Ag	1	64.8	130
4th Year B.Sc.(Hons.) Ag	1	64.8	130
Smart Class Room*	2	64.8 + 64.8	130 +130

*** Almost ready to use**

6.4.4.2 Number of Functional Laboratories:

Sl No.	Name of Laboratory/ Facility	Area (m^2)	No. of Supporting Staff Attached
1.	UG Laboratory (irrigation) (Agronomy)	95	2
2.	UG Laboratory (chemical) (Agronomy)	95	
3.	Weed Laboratory(Agronomy)	72	
4.	UG Laboratory (Entomology)	90	1
5.	Biological Control Lab-1 (AEN)	90	
6.	Plant Health Diagnostic Lab-1 (AEN)	90	
7.	Commercial Apiculture Unit (Entomology)	45	
8.	UG Laboratory (Plant Pathology)	101	2+1*(Temporary)
9.	Audio-Visual Laboratory (Extension Education)	42	
10.	General Laboratory (SWC)	130	0

11.	UG Laboratory(SWC)	130	
12.	General Laboratory (Molecular Biology and Bio-technology)	48	2
13.	UG Laboratory(Molecular Biology and Bio-technology)	60	
14.	Plant Tissue Culture Laboratory (Molecular Biology and Bio-technology)	24	
15.	Soil Chemistry Lab.-1 (UG) (Soil Science)	75	3
16.	Soil Chemistry Lab.-2 (UG) (Soil Science)	72	
17.	Soil Physics Lab.-1 (UG) (Soil Science)	75	
18.	Soil Microbiology (UG) (Soil Science)	65	
19.	UG Laboratory (Agril. Chemicals)	60	2
20.	Agrochemical Formulation Laboratory (Agril. Chemicals)	93	
21.	Statistics UG Laboratory (AST)	70	2
22.	UG Computer Laboratory (AST)	80	
23.	UG Practical class room (Genetics and Cytogenetics)	135	2
24.	UG Practical room (Plant Breeding)	82	2
25.	UG Laboratory (SST)	32	2
26.	UG Laboratory (Biochemistry)	40	1
27.	Instrument room for UG students (Biochemistry)	40	
28.	Geoinformatics Lab (Agrometeorology)	73	0
29.	Agromet Observatory(Agrometeorology)	1500	1 (Contractual)
30.	UG Laboratory (Plant Physiology)	96	2
31.	UG Laboratory(Animal Science)	70	2

6.4.4.3List of major equipments, laboratories, farm facilities, workshops and other instructionalUnits

SL. No.	Name of Laboratory/ Facility	List of major equipments and facilities
1.	UG Laboratory (irrigation) (Agronomy)	Hot air oven, Double distillation set (glass), Steel distillation set, Water bath, Jeldhal distillation set, Precision balance, Flame photometer, Spectrophotometer
2.	UG Laboratory (chemical) (Agronomy)	Electronic balance, Hot air oven, pH meter, Colorimeter, Water distillation set
3.	Weed laboratory(Agronomy)	Laminar air flow, Autoclave , hot air oven

4.	UG Laboratory (Entomology)	Stereoscopic Microscope Model – MS-224 (13 Nos.), Olympus Microscope Model- MLX-B (4 Nos.), Stereo Zoom Binocular (3 Nos.), Olympus Monocular Microscope, Model – MLX-M (1 No.).
5.	Biological Control Lab-1 (Entomology)	Plant Growth Chamber (3 Nos.), Rearing Materials
6.	Plant Health Diagnostic Lab-1 (Entomology)	Stereoscopic Microscope Model – MS-224 (2 Nos.), Trinocular Microscope
7.	Commercial Apiculture Unit (Entomology)	Trinocular Microscope (Primo Star) with Digital Camera Adapter (Carl Zeiss) (1 No.), Insect Rearing Materials
8.	UG Laboratory (Plant Pathology)	Compound microscope no. – 45, Freeze – 2, Pan Balance - 1, 42" LED TV
9.	Audio-Visual Laboratory (Extension Education)	16 mm sound movie projector, Over-head Projectors, Slide Projectors, Colour Projector, Lantern Projectors, Radio, Tape-recorders, Camera, Black & white Printing enlarger, Poster, Leaflet, Folder etc.
10.	General Laboratory (SWC)	Undistruded core sampler, Soil Thermometer, Infiltrometer, pH meter, Conductivity meter, Dumpy level, Abney level, Theodelite.
11.	UG Laboratory(SWC)	Yoder's Apparatus', Double beenSpecto photometer, flame photometer, Colorimeter, Water stage recorder, High Precession balance, Mechanical stirrer, Hot air oven, and Distillation plant
12.	General Laboratory (MB and Bio-technology)	Deep freezer, Hot air oven, Double distillation set (glass), Steel distillation set, Water bath
13.	UG Laboratory(MB and Bio-technology)	Electronic balance, High speed centrifuge, Laminar Air Flow, UV transilluminator, Gel documentation system, Deep freezer, Hot air oven, pH meter, Microcentrifuge, PCR Machine, Electrophoresis System, Water bath, UV-vis Spectro
14.	Plant Tissue Culture Laboratory(MB and Bio-technology)	Orbital Shaker, Electronic balance, Laminar Air Flow, Deep freezer, BOD incubator. pH meter, Normal Shaker, Incubator shaker (4°C - 60°C), Plant Growth Chamber, Glass bead sterilizer
15.	Soil Chemistry Lab.-1 (UG) (Soil Science)	a) pH-meter (1)-Systronics b) Conductivity bridge (1)- Systronics c) Hot Air Oven (2)- d) Electronic balance (1)-Wensar
16.	Soil Chemistry lab.-2 (UG) (Soil Science)	a) Electronic balance (2)-Sartorius; Wensar b) Flame Photometer (1)-Systronic

17.	Soil Physics Lab.-1 (UG) (Soil Science)	a) pH meter (1)-Systronics b) conductivity bridge (1)-Systronics c) Spectrophotometer (1)-Systronics d) Mechanical shaker (1)
18.	Soil Microbiology (UG) (Soil Science)	a) Microscope (12)-Olympus b) Autoclave (1) c) Hot air oven (1) d) BOD incubator (1)-Sambros e) Electronic balance (1)-Wensar
19.	UG Laboratory (Ag. Chemicals)	Hot air oven, Double distillation set (glass), Water bath, Soxhlet apparatus, TLC set, Suction filter, Knapsack sprayer (Aspire make), Balance.
20.	Agrochemical Formulation Laboratory (Ag Chemicals)	MPLC (Sepacore System, Buchi), Rotary Vacuum Evaporator (R-3, Buchi), Extruder 20 & Spheronizer 75; Karl Fischer Titrator (Lab India), Tissue Homogenizer (IKA), Balance (Metler), pH Meter (Systronics); Ball Mill, Magnetic Stirrer
21.	Statistics UG Laboratory (AST)	Computers and Calculators
22.	UG Computer Laboratory (AST)	45 desktops with internet facility and overhead projector
23.	UG Practical room (Genetics and Cytogenetics)	Compound Microscope , Camera Lucida, Heating oven and filtration system, Microscope with attached camera weighing balance, pH meter, Refrigerator
24.	UG Practical room (Plant Breeding)	Compound Microscope, Calculators, Laminar Air Flow, Refrigerator
25.	UG Laboratory (SST)	Electronic balance, Boerner type divider, Riffle type divider, Gamet type divider, Sleeve type trier, Moisture meter, Seed Grader, Purity Work Board, Desiccator, Seed grinder
26.	UG Laboratory (Biochemistry)	1. 12-Hole SS water bath (Two nos.) 2. Copper made water distillation set 3. Digital balance (Sartorius) – Two nos. 4. Hot air oven
27.	Instrument room for UG students (Biochemistry)	1. Spectrophotometer; Systronics, model 167 2. Electronic balance 3. pH meter; Systronics, **Two** nos. 4. Polarimeter (analog type) 5. Refractometer (analog type)
28.	Geoinformatics Lab (Agrometeorology)	Desktop PC: 20; Workstation:1; Software: ERDAS Imagine 2011 (single user) also Equipped with open-source GIS and Image Processing software
29.	Agromet Observatory	**Installed**: Maximum Thermometer, Minimum

	(Agrometeorology)	Thermometer, Dry bulb Thermometer, Wet bulb Thermometer, Soil Thermometer, Rain Gauge Pan Evaporimeter, Cup Counter Anemometer, Wind Vane, Sunshine Recorder, Hair Hygrograph, Bimetallic Thermograph, Automatic Weather Station **In-store**: Line Quantum Sensor, Net Radiometer, Infrared Thermometer, AssmannPsychrometer, Digital Multimeter, Pyrheliometer, Pyranometer, Hand held Anemometer, Luxmeter
30.	UG Laboratory (Plant Physiology)	Students' Monocular Microscope (12 Nos.), Distillation set (Metal body), Assembly for Paper Chromatography,
31.	UG Laboratory (Animal Sc)	Hot air oven, Double distillation set (glass), Water bath, Refrigerator, Microscope, Muffle Furnace, Kjeldahl Apparatus

Instructional Farm Facility for UG Field Practical

- **Location**: Jaguli Instructional Farm (22°93' N latitude, 88°53' E longitude and 9.75 MSL)
- **Area**: 40 ha (Students practical area 2 ha, M.Sc& Ph. D students Research – 10 ha, Seed Production – 10 ha, Orchard 5 ha; general cultivation -10 ha, Jungle 3 ha)
- **Infrastructure**: Metal road -1.8 km, Office area – 103 m2, Godown- 50 m2, Threshing floor-156 m2. Students' class room for practical- 42 m2; Tractor garage – 2, Pump house 3, Net house -3, Agromet observatory 1.
- **Farm machineries**: Tractor 2, Power tiller 3, Power sprayer 1; Electrical balances 3, Paddle thresher 3, Pump 2,
- **Farm implements**: Hand sprayers 6, Spades -100, Augurs 10, Khurpi -60,
- **Farm pond-** 2 (area 0.36 ha)
- **Irrigation Facility**: Tube well irrigation with underground pipeline & Farm is 100% irrigated.
- **Net house facility** (100 m^2) for hands on training related to plant breeding practical
- **Small rainout shelter** (12 m^2× 2) for demonstration of stress tolerance breeding approaches**.**

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

To cater the B. Sc. (Hons.) Agriculture programme successfully following the ICAR curricula, all the facilities in respect of field and laboratory based practicals are available in sufficient quantities in the Faculty of Agriculture of the University.

6.4.4.5 Number of theory batches for the Degree Programme

At present, the total capacity of students in B. Sc. (Hons.) Agriculture degree programme is 130. The theory classes are being conducted in one batch in general. During prevailing Covid 19 pandemic situation, online mode of classes is also taken jointly in one batch.

6.4.4.6 Number of Practical Batches for the Degree Programme

The practical classes are being conducted in four batches with maximum of 35 students in each batch for laboratory practical but two batches with maximum of 65 students are considered for execution of field practical.

6.4.5 Conduct of Practical and Hands-on-Training (HoT)

The practical classes are being conducted in the Instructional Farm for field practical and laboratory practicals are done at the functional laboratories of respective departments under the Faculty of Agriculture as per the syllabus of B.Sc. (Hons.) Agriculture as recommended by the 5th Dean's committee. The practical manuals of different courses were prepared from the ICAR Development Grant and copies are sold to the students on nominal price of Rs. 100/ per copy.

The Available Practical Manuals for the Courses

Subject	Course No	Course Title
Agronomy	AGR-151	Fundamentals of Agronomy II
	AGR-201	Crop Production Technology II
	AGR-251	Crop Production Technology III
	AGR-301	Crop Production Technology IV
	AGR-351	Organic Farming
	AGR-352	Farming System
Soil Science	ACSS-103	Fundamentals of Soil Science I
	ACSS-153	Fundamentals of Soil Science-II
	ACGP-203	Agricultural Microbiology
	ACSS-255	Manures, Fertilizers & Soil Fertility Management
	ACSS- 305	Problematic Soils and their Management
Genetics and Plant	GPB-156	Fundamental of Genetics

Breeding	GPB- 202	Fundamentals of Plant Breeding
Plant Pathology	PPA- 105 PPA-205 PPA-256	Fundamentals of Plant Pathology I Diseases of Field and Horticultural Crops and their Management-I Diseases of Field and Horticultural Crops and their Management-II
Entomology	ENT-452 ENT-455	IPM (Pest Scouting) Apiculture and Sericulture
Agricultural Economics	AEC-257 AEC-257 AEC-307 EC-266	Agricultural Marketing, Trade and Prices Agricultural Marketing, Trade and Prices (Revised) Farm Management, Production and Resource Economics Agri-business Management and Entrepreneurship Development
Agricultural Extension Education	AEX-151 AEX-208	Fundamentals of Agricultural Extension Education Communication Skills and Personality Developments
Agricultural Biochemistry	ABC-106 EC- 264	Fundamentals of Plant Biochemistry Plant and Molecular Biochemistry
Seed Science and Technology	SST-253	Principles of Seed Technology
Agricultural Chemicals	ACH-208 EC-262	Crop protection chemicals and their application Chemistry of Pesticides
Molecular Biology and Biotechnology	ABT-304 EC-366	Principles and Practices of Agricultural Biotechnology Micropropagation Technologies
Agricultural Meteorology	AMP-252 EC-311 AGMP-355	Agrometeorology and Climate change Agro-advisory and Crop Modelling Geoinformatics Application in Agriculture
Plant Physiology	PPH-157 EC-315	Fundamentals of Crop Physiology Developmental Plant Biology
Agricultural Statistics	AST-258	Elementary Statistics

The hands-on-training (HOT) and student READY programmes are being conducted for the degree programme following Rural Agricultural Work Experiences (RAWE) and in-Plant Training/ Industrial attachment in the 7th Semester. and Experiential Learning Program (ELP)modules in the 8th Semester. Students have to choose two modules from 8 Courses which are ELP 451, ELP 452, ELP 453, ELP 454, ELP 455, ELP 456, ELP 457 and ELP 458. The maximum number of students per module is 30. The ELP courses according to the module are taken by the UG students in the 8th Semester as mentioned below:

Sl No.	Module No	Module Title	Attached Departments*
1.	ELP 451	Production of Bio-agents and Botanical Pesticides	PP + EN + AC + AEC
2.	ELP 452	Commercial Seed Production	SST + AGR + AEC
3.	ELP 453	Mushroom Cultivation	PP + HORT + AEE
4.	ELP 454	Soil, Plant and Water Testing	SS+AEE
5.	ELP 455	Commercial Beekeeping	EN + AEC
6.	ELP 456	Organic Production	AGR + AC + HORT + AEC
7.	ELP 457	Commercial Sericulture	EN + AEC
8.	ELP 458	Plant Tissue Culture	MBB + GPB + AEE

*PP-Plant Pathology, EN: Entomology,AEC: Agricultural Economics, SST: Seed Science and Technology, AGR; Agronomy; AEE: Agricultural Extension Education, SS: Soil Science; AC: Agricultural Chemicals; HORT: Horticulture; MBB: Molecular Biology and Biotechnology, GPB: Genetics and Plant Breeding

Status of different ELP runs under Faculty of Agriculture

SL. No	Name of Experiential Learning Unit	Sanctioned by ICAR? (Yes/ No)	Functional condition	Profit sharing with the students (Rs./ Student) (50% of the total profit)				
				16-17	17-18	18-19	19-20	20-21
1.	Commercial Apiculture	Yes	Running in business mode.	17500/-	17500/-	14500/-	Nil*	Nil*
2.	Commercial Seed Production	No	Skill mode (To be transformed into	New proposal has been submitted to ICAR for transforming it into a business mode for profit sharing with the students as per the recommendation of 5th Dean Committee. If				

			business mode)	situation permits and physical mode starts, this unit will be functioning in business mode with the existing resources of the university from this year till the project is sanctioned by the ICAR, and 50% profit will be shared with the students amounting to **Rs. 6,000/-** per month per student for a period of 6 months.
3	Mushroom Cultivation	No	Skill mode (To be transformed into business mode)	New proposal has been submitted to ICAR for running this unit in commercial mode for profit sharing with the students as per the recommendation of 5th Dean committee. If situation permits and physical mode starts, this unit will be functioning in business mode with the existing resources of the university from this year till the project is sanctioned by the ICAR, and 50% profit will be shared with the students amounting to **Rs. 5000/-** per month for a period of 6 months.
4	Soil, Plant and Water Testing	No	Skill mode	Students are being trained on soil, plant and water testing for skill development.
5	Organic Production	No	Skill mode (To be transformed into business mode)	From this year, large scale production of vermicompost will be started under this unit for running it on business mode with an intention to share profit with the students **@ Rs. 2,500/- /student/month.**
6	Commercial Sericulture	No	Skill mode	Skill is imparted to make the students interested in developing enterprise on 'Commercial Sericulture'.
7	Plant Tissue Culture	No	Skill mode	Skill on plant tissue culture is imparted to the students for developing their own enterprise.

*Due to lock down, training had been imparted in on-line mode

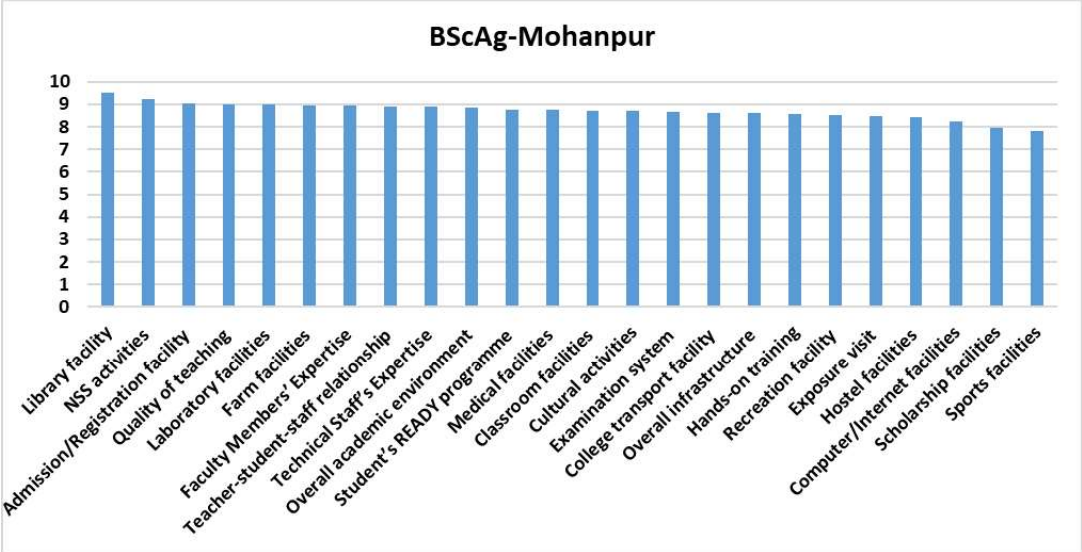
6.4.6 Supervision of students in PG/PhD Programmes:(as per ICAR guidelines)

This is not applicable for UG curricula.

6.4.7 Feedback of stakeholders

6.4.7.1. Mention the feedback mechanism (duly supported by the documents)

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 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: Undergraduate Students of Agriculture in the Mohanpur Campus are extremely happy with nearly all the facilities provided by the University. According to them, only Sports and Scholarship facilities need 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	130	129	34.10**
2017-18	130	132*	21.21
2018-19	130	129	18.35
2019-20	130	130	28.46
2020-21	130	125	0

* Readmission of previous year's unsuccessful students.

** High attrition mainly because of leaving students for medical and other all India competitive examinations. This is happening within one or two months after getting admission in the 1st semester every year.

6.4.9 Information Communication Technology (ICT) Application in Curricula Delivery

The use of ICT tools became more dominant as the pandemic situation started. Two smart class rooms have been developed where from the online classes are being conducted centrally using paid Google meet services. YouTube or other web services are being used at the time of classroom and laboratory teaching. E-mail, WhatsApp etc. have been used for giving lecture notes. University website is being used for uploading the **video lectures,**

PPTs, PDF notes. **Midterm online examinations** are conducted through **Google form**. The available resources are sufficient for conducting theory classes, but for conducting the practical classes related to few courses, the available resources are not sufficient under virtual laboratory.

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)