

SANT BABA BHAG SINGH UNIVERSITY JALANDHAR

**Department of Agriculture
(UNIVERSITY INSTITUTE OF AGRICULTURE)**



SELF STUDY REPORT

of

**B.Sc. (Hons.) Agriculture Programme
(2020-25)**

Submitted to

NATIONAL AGRICULTURAL EDUCATION ACCREDITATION BOARD

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

NEW DELHI

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Self Study Report for B.Sc. (Hons) Agriculture Programme

6.4. Brief History of University:

Sant Baba Bhag Singh University (SBBSU) came into existence vide Sant Baba Bhag Singh University Act, 2014 (Punjab Government Act No. 6 of 2015) and is recognized by UGC under Section 2(f) of UGC Act, 1956 and accredited with B+ grade by NAAC. The university has been established in the name of Sant Baba Bhag Singh Ji, who carried forward the mission 'NIRMALA PANTH', to spread education for all round development of the society. Sant Baba Bhag Singh Ji visualized that education and self-help are the transforming forces for the upliftment of the common man. To achieve this, Sant Baba Malkit Singh ji established Sant Baba Bhag Singh Memorial Charitable Society (SBBMCS) in the year 2000, facilitating education from nursery to post graduate programme, to make quality education accessible to rural youth in technical and professional streams.

6.4.1 Brief History of degree programme:

The B.Sc. (Hons.) Agriculture 4-year degree program was introduced in the Academic Session 2015-16, coinciding with the establishment of Sant Baba Bhag Singh University. Initially offered under the Department of Natural Science, the program has been conducted without interruption since its inception.

In 2018, the program was integrated under the University Institute of Life Sciences, Allied Health Sciences, and Agriculture Sciences, reflecting a multidisciplinary approach to agricultural education. Further institutional restructuring led to the establishment of the Department of Agriculture, now operating under the newly formed University Institute of Agriculture (UIA). In 2022, the department was accorded approval by the State Council set up by Government of Punjab under the provision of Punjab State Council for Agricultural Education, Act 2017, to run degree programme in Agriculture.

Since 2015 onwards, the B.Sc. (Hons.) Agriculture program has started and followed the curriculum framework as guided and approved by Indian Council of Agricultural Research (ICAR), ensuring alignment with national academic standards in agricultural education. In 2025, the curriculum was further revised in accordance with the National Education Policy

(NEP) and the recommendations of the 6th Deans' Committee of ICAR. The first cohort of the B.Sc. (Hons.) Agriculture program was graduated in 2019, and since then, successive batches have successfully completed their degrees each year, contributing skilled graduates in the field of agriculture.

Objectives:

The objectives of the degree programs are given below:

- (i) To encourage the study of agriculture sciences for effective service to the farming community of the region.
- (ii) To foster entrepreneurship among students by encouraging them to launch agribusiness ventures, thereby contributing to rural development and broader economic growth.
- (iii) To strengthen extension services for timely delivering, expert guidance to farmers on modern and efficient crop management practices.
- (iv) To promote sustainable agricultural practices that reduce environmental harm, conserve biodiversity and support both climate change mitigation and adaptation.

Accomplishments:

1. The curriculum and the syllabi of B.Sc. (Hons.) Agriculture Programme has been revised and implemented as per the V Deans' committee report of ICAR (Indian Council of Agricultural Research), New Delhi. From 2025, the guidelines of VI Deans' committee are also implemented.
2. Since 2015, the department is running B.Sc. (Hons.) Agriculture-4 Year degree programme. In 2022, the college was accorded approval by the State Council set up by the Government of Punjab under the provision of Punjab State Council for Agricultural Education Act, 2017 to run degree programme in Agriculture.
3. The institution has developed comprehensive infrastructure facilities i.e. well equipped classrooms and specialized laboratories for various disciplines of Agriculture.
4. **Establishment of Protected Structures:** Two protected structures viz. Poly house and Shade Net House has been established since 2021 for raising off-seasonal horticultural crops and nursery. These structures are facilitated with drip irrigation, fertigation along with foggers.
5. **Orchard/Budwood bank and Nursery:** Total of 3 acres of land was developed as budwood bank /orchard of fruit crops. The unit maintains 37 varieties of different fruit

crops including peach, plum, pear, guava, citrus, Aonla, Litchi, Phalsa and Dragon fruit. Open and shade net nursery are also available for raising quality planting material.

6. **Establishment of crop cafeteria:** Crop Cafeteria has been established on half an acre of land. It provides an opportunity to acquaint students about Rabi and Kharif crops including cereals, pulses, oil seeds, vegetables, flowers etc.
7. Botanical garden was established in 4.5 acre of land in 2019. It consists of more than 500 plants including 115 species from 100 genus belonging to 56 families of plants.
8. Establishment of Experiential Learning Modules for B.Sc. IV Year: In accordance with ICAR curriculum, the department has implemented instructional units for Experiential learning modules. These modules are designed to quip the final year degree students with practical and hand on entrepreneurial skills. These include Organic Production Technology, Mushroom Cultivation technology, Commercial BeeKeeping and Commercial Horticulture.
9. **Establishment of Agriculture Museum:** Agriculture Museum and Herbarium includes rich collection of 236 plant specimens, 150+ seed specimens of vegetables, flowering plants, cereals and millets, fruits, dry fruits, nuts, resins, legumes and pulses, medicinal and aromatic plants, oil crops and spices and 19 wet specimens of plant pathology.
10. **Memorandum of Understanding signed:** MOU was signed with Indian Institute of Maize Research, PAU Campus in 2019, ICAR-Central Institute of Post Harvest Engineering& Technology in 2023 and African- Asian Studies Promotion Association in 2024.
11. **Research Achievements:** Faculty members have contributed nearly 153 scholarly publications, including research papers indexed in Scopus, Web of Science, and the UGC CARE list, as well as books, book chapters, conference proceedings. Apart from this, the senior faculty has also published popular articles.
12. The department also organizes farmer awareness programs such as seminars, workshops, special campaigns, Kisan Melas, and dedicated farmer interaction programs from time to time.

Table 1 List of Seminars/workshops and other activities conducted

S.No	Title of Seminars/workshops and other activities	Date
Seminars		
1.	One Day Seminar on Communication Skills, Critical Thinking And Personality Development	16 th Feb. 2019
2.	Seminar on organic farming	13 th Sept. 2021
3	Webinar on National Awareness Mission on Intellectual Property Rights	23 rd Feb. 2022
4	Webinar on Intellectual Property Rights	19-5-2022
5	Seminar on Doubling of farmers income	17-03-2023
6	Seminar on Soil Health and Crop Improvement	02-09-2023
7	A Seminar Bio fortification in Maize - A pathway to improve India's nutritional outcomes	17-05-2023
8	One-Day Seminar on 'Emerging innovation Technologies in Agriculture'	02-05-2025
Workshops		
1	One Day workshop on vermicompositing	9-4-2019
2	Workshop on Career Counselling	09-02-2023
Kisan Melas		
1	Kisan Mela	24-3-2022
2	Agrotech Kisan and Community Mela	11-04-2025
Educational Visits		
1	Visit to Centre of Excellence for Fruits (Citrus)	05-09-2023
2	Educational Tour to Dr. H.G. Mushroom Laboratories PAU, Ludhiana	20-02-2025
3	Visit to PAU Kisan Mela	Every year during Rabi/Kharif season
4	Regional Plant Quarantine Station	11-11-2025
5	Mushroom Farm, Village Thiara, District Hoshiarpur	06-02-2025
Extension Activities		
1	Seed Treatment camp	19-10-2022
2	Rally against Stubble Burning	05-11-2023
3	Crop Residue Management Awareness Campaign	12-03-2023
Celebration of International Days		

1	International Year of Millets	5-10-2023 to 06-10-2023
2	National Farmers Day	23-12-2024
3	Field Day and seed distribution in adopted villages	29-11-2023
Other Activities		
1	Nature Camp Organized Under Environment Education Program	
2	Mentoring session on Start-up Minimum Viable product	22-10-2024
Interactive Sessions		
1	Farmers Scientist Interaction meet	22-02-2023
2	Meeting with Agriculture Minister, Punjab	05-11-2023

SOME GLIMPSE OF THE SEMINARS/WEBINARS CONDUCTED BY THE DEPARTMENT





WORKSHOPS/TRAININGS

Vermicomposting



Bee Keeping



Mushroom Cultivation Technology





Commercial Horticulture

EXTENSION ACTIVITIES





Celebration of National/International Days



KISAN MELA





Educational Visits







Special Interactions





13. **Library Facilities:** University Central library is stocked with wide range of textbooks/reference books of Agriculture and Allied Sciences, along with printed journals, magazines and everyday newspapers. Broad band facility and access to DELNET, J-Gate and EBSCO databases is also provided in the library. Spacious reading hall has been made available to support student learning and research. Also, department owns its library which has variety of reference/text books.

14. Classrooms are equipped with white boards, LCD projectors and Wi-Fi facility to facilitate effective teaching and learning. Also, department has smart classroom featuring an interactive smart board, Wi-Fi and LAN facility. Fully equipped central computer lab with 60 dedicated systems is also available to support digital learning and research activities.

15. Graduates of the department have obtained placements in state, national, and international private/government organizations, or have pursued admission to higher education programs in leading institutes. A few graduates have also opted for entrepreneurship.

Table 2 List of students opted for higher education/employment/entrepreneurship

S.No	Reg. No.	Student Name	Carrer Prospects
1	18370003	Amanpreet kaur	Higher study
2	18370004	Ankita thakur	Higher study
3	18370007	Arvind badyal	Higher study
4	18370010	Baby kumari	Higher study
5	18370013	Faizan Sofi	Higher study
6	18370018	Gurpreet singh	Higher study
7	18370023	Janvi	Higher study
8	18370024	Jaskirat Singh	Higher study

9	18370034	Manpreet kaur	Higher study
10	18370037	Meeta	Higher study
11	18370038	Minakshi	Higher study
12	18370046	Priya	Higher study
13	18370050	Raghav kondal	Higher study
14	18370052	Rajanpreet Kaur	Higher study
15	18370054	Ranjot kaur	Higher study
16	18370056	Rozal	Higher study
17	18370059	Sandeep Kumar	Higher study
18	18370061	Sarbjit Singh	Higher study
19	18370064	Shahzad manzoor	Higher study
20	18370065	Shaiq majeed	Higher study
21	18370066	Simran	Higher study
22	18370067	Simran	Higher study
23	18370068	Simranjit Kaur	Higher study
24	18370069	Simrat kaushal	Higher study
25	18370072	Tanvi	Higher study
26	18370077	Amisha aggarwal	Higher study
27	18370078	Azhar jan	Higher study
28	18370079	Sehrish mehraj	Higher study
29	18370091	Saurabh Ashutosh	Higher study
30	18370092	Chandra prakash chandan	Higher study
31	19037001	Bhupinder Singh	Higher Study
32	19037011	Onima Gupta	Higher Study
33	19037014	Simran	Higher Study
34	19037016	Nikish RS Pagoch	Higher Study
35	19037017	Anmol Sharma	Higher Study
36	19037025	Tanvi	Higher Study
37	19037028	Jaswinder Kumar	Higher Study
38	19037030	Harpreet Singh	Higher Study
39	19037032	Gursimranjit Singh	Higher Study
40	19037033	Simranjit Kaur	Higher Study
41	19037034	Sarbhjot Singh	Higher Study
42	19037036	Rupinder Kaur	Higher Study
43	19037049	Jugal Kishore	Higher Study
44	19037055	Manish	Higher Study
45	19037056	Lalita Kumari	Higher Study
46	19037064	Shubki Randeep Kaur	Higher Study
47	19037067	Manu Sharma	Higher Study
48	19037074	Satveer Sagar	Higher Study

49	20037001	Sachin Rattan	Higher Study
50	20037009	Chandanpreet Singh	Higher Study
51	20037015	Anamika Mehmi	Higher Study
52	20037022	Kim Sharma	Higher Study
53	20037028	Satwinder Singh	Higher Study
54	20037030	Sourav Rattu	Higher Study
55	20037038	Rahul	Higher Study
56	20037041	Bhargav	Higher Study
57	20037043	Simardeep Kaur	Higher Study
58	20037044	Rohit Mital	Higher Study
59	20037045	Sarang Jhamb	Higher Study
60	20037046	Ambika Thakur	Higher Study
61	20037048	Gurpreet Kaur	Higher Study
62	20037054	Manpreet Kaur	Higher Study
63	20037057	Shivani Dogra	Higher Study
64	21037004	Abhishek	Higher Study
65	21037005	Harjeet Kaur Taneja	Higher Study
66	21037006	Sahil Jassal	Higher Study
67	21037014	Nandini Choudhary	Higher Study
68	21037028	Rajat	Higher Study
69	21037034	Aditya Rana	Higher Study
70	21037036	Tarun Saini	Higher Study
71	21037042	Komal Behl	Higher Study
72	21037043	Devansh Choudhary	Higher Study
73	21035045	Fayaz Ahmad Khan	Higher Study
74	18370011	Chaman lal	Job
75	18370022	Insha qadir	Job
76	18370029	Keshav kumar	Job
77	18370073	Vikrant Singh	Job
78	18370090	Sobhit kumar	Govt. Job
79	19037022	Munish	Job
80	19037047	Dileep Babu	Job
81	19037048	Navpreet Singh	Govt. Job
82	19037050	Ramandeep Kaur	Job
83	19037070	Priyanka	Job
84	20037008	Manisha Devi	Job
85	20037012	Naresh Kumar	Job
86	20037013	Ishmeet Kaur	Job
87	20037018	Karandeep Singh	Job
88	20037023	Palminder Singh	Job
89	20037034	Onkar	Job

90	20037035	Mansi	Job
91	20037049	Nazish Madni	Job
92	21037013	Muskan	Job
93	21037019	Amarjot Kaur	Job
94	21037025	Arvinder Kaur	Job
95	21037039	Anshima	Job
96	19037069	Rahul	Entrepreneurship
97	20037059	Harleen Singh	Entrepreneurship
98	21037029	Milan Verma	Entrepreneurship

6.4.2 Faculty Strength

The faculty strength is 35 which include 14 Professors, 5 Associate Professor, 17 Assistant Professor and 3 Guest/Adjunct faculty members, which fulfill the faculty requirement as per ICAR- VI Deans Committee recommendations to complete the curriculum. The help of allied faculty from other Faculties of the university was/is also taken as per requirement.

Table 3 Present Faculty Strength

S. No.	Sanctioned Faculty	Faculty in place	Vacant position	Faculty recommended by ICAR
1.	Professor	11+2*	00	00
2.	Associate Professor	3+2*	00	08
3.	Assistant Professor	10+7*	00	15
4.	Guest/Adjunct Faculty	03	-	-
Total		23+12* =35		23 + Allied Faculty

*Allied faculty

Table 4a Department/section wise faculty strength appointed as per University Institute of Agriculture.

Departments	Filled				Minimum requirement Professors as per ICAR
	Prof.	Assoc. Prof.	Asstt. Prof.	Total	
Agronomy (0+1+3),	02	00	02	4	4
Agricultural Economics (0+1+1)	01	00	02	3	2
Agricultural Extension Education (0+1+1)	01	00	01	2	2

Entomology (0+1+1),	01	00	01	2	2
Genetics & Plant Breeding (0+1+2)	01	01	00	2	3
Horticulture (0+1+2),	01	02	00	3	3
Soil Science (0+1+1),	01	01	00	2	2
Plant Pathology (0+1+1)	00	01	01	2	2
Animal Science (0+0+1),	2	00	00	2	2
Agricultural Engineering (0+0+1),	01	00	00	1	1
Biochemistry & Physiology (0+0+1)	00	01	00	1	1
Mathematics (01)	01	00	00	1	1
Food Science and Technology (01)	00	00	01	1	1
Botany (01)	00	01	00	1	1
Agrometrology (01)	00	00	01	1	1
English (01)	00	00	01	1	1
Microbiology (01)	00	00	01	1	1
Biotechnology (01)	00	01	01	2	1
Zoology (01)	00	00	02	2	1
Computer Science (01)	01	00	00	1	1
Physical Education (01)	01	00	00	1	1
Total	14	08	14	36	34
Guest/Adjunct Faculty					
Agronomy + (Agro-forestry)	01	00	00	1	0
Genetics & Plant Breeding + (Seed Science & Technology)	01	00	00	1	0
Horticulture (Vegetable Science)	01	00	00	1	0
Grand Total (Permanent + Guest/Adjunct Faculty)	03	00	00	03	0

Details of Faculty 2021 onwards as per:

Sr. No	Name of Faculty	Designation	Discipline	Date of Joining / Leaving
1	Prof. (Dr.) R. K. Nanwal	Professor	Agronomy	01.10.2021- till
2	Dr. Dileep Kachroo	Professor	Agronomy	01.06.2022- 01.10.2023
3	Dr. Satish Kumar	Professor	Agronomy	10.10-2025 -till
4	Dr. Meenkashi Seth	Assistant Professor	Agronomy	13.08.2022- 01.04.2024
5	Dr. Ram Prakash	Assistant Professor	Agronomy	25.01.2025- till
6	Ms. Kamaldeep Kaur	Assistant Professor	Agronomy	05.12.2021-till
7	Dr. Kartar Singh	Professor	Horticulture	01.09.2021 – 31.03.2023
8	Dr. Kulbir Singh	Professor	Horticulture (Vegetable Science)	24.07.2025-till
9	Dr. Shalu	Associate Professor	Horticulture (Fruit Science)	16.07.2018-till
10	Dr. Ajitpal Singh	Assistant Professor	Horticulture (Fruit Science)	21/01/2019-till
11	Dr. Akhilesh Singh	Assistant Professor	Horticulture (Vegetable Science)	18.07.2022- 30.06.2024
12	Dr. Kulvir Singh Bangarwa	Professor	Genetics & Plant Breeding	01.10.2021-till
13	Dr. Parshotam Singh Tyagi	Associate Professor	Genetics and Plant Breeding	16.07.2021- 30.06.2025
14	Dr. V K Phogat	Professor	Soil Science	01.10.2021-till
15	Dr. Vijay Singh	Assistant Professor	Soil Science	16.07.2018-till
16	Dr. Ombir	Professor	Entomology	01.10.2021-till
17	Dr. Talib Hussain Dar	Assistant Professor	Zoology /Entomology	21.10.2021-till
18	Dr. Vivek Sharma	Assistant Professor	Zoology/Fishery	20.01.2020-till
19	Dr. Robin	Assistant Professor	Entomology	01.12.2025-till
20	Er. J. M.Wadhwa	Professor	Agriculture Engineering	27.06.2022- 30.08.2025
21	Dr. Tara Gupta	Professor	Agro forestry	27.06.2022- 01.10-2023
22	Dr. Rajinder Kaur Kalra	Professor	Extension Education	27.06.2022- 30.06.2025

23	Dr. Pradeep Sherawat	Professor	Agriculture Extension Education	01.10.2025 – till
24	Dr. Sachi Singh	Assistant Professor	Agriculture Extension	01.10.2021-till
25	Dr. Kanika Pandey	Assistant Professor	Agriculture Extension Education	17.01.2025 –till
26	Dr. Ram Krishen Patel	Professor	Ag. Economics	27.06.2022- till
27	Dr. Kshama	Assistant Professor	Agriculture Economics	02.11.2025-till
28	Dr. Manjeet Singh	Assistant Professor	Agricultural Meteorology	21.10.2021-30.07.2023
29	Dr. Parveen Singh	Assistant Professor	Agricultural Meteorology	17/08/2023-till
30	Dr. Anil Kumar Singh	Associate Professor	Microbiology and Plant Pathology	13.06.2018-till
31	Dr. Nalini Singh	Assistant Professor	Plant Pathology	09.06.2023-till
32	Dr. Vikrant Jaryan	Associate Professor	Botany	16.07.2018-till
33	Dr. Vikas	Associate Professor	Plant Biotechnology	16.07.2018-till
34	Dr. Kumari Manisha	Assistant Professor	Biotechnology	16.07.2018-till
35	Ms. Manpreet Kaur	Assistant Professor	Food Science and Technology	18.05.2021-18.08.2021
36	Dr. Adity Bahndral	Assistant Professor	Food Science and Technology	18.11.2025-till
37	Dr. Ranjana Cheema	Professor	Animal Science	04.10.2021-till
38	Dr Gurjant Singh Aulakh	Professor	Animal Science	15.11.2025-till
39	Dr. Gurpreet Kaur	Assistant Professor	Biochemistry	21.10.2021-till
40	Dr. Shweta Singh	Associate Professor	Microbiology	12.08.2016-till
41	Dr. Jagdeep Kaur	Professor	Computer Science	01.06.2021-till
42	Dr. Anju Sood	Associate Professor	Mathematics	11.04.2022-till
43	Dr. M.D. Iftikar	Assistant Professor	English	05.09.2021-till
44	Dr. Amarjeet Singh	Associate Professor	Physical education	24.04.2017-till

Table 4b Name of faculty members with designation and ITR of last three years.
Year 2021-2022

S. No.	Subject	Professor	Designation	ITR
1	Agronomy (0+1+3)	Dr. R. K. Nanwal	Professor	153283
2		Ms. Kamaldeep	Assistant Professor	80826
3	Agricultural Economics (0+1+1)	Dr. Mohan Lal	Assistant Professor	158468
4		Dr. Shachi Singh	Assistant Professor	94127

5		Dr. Ombir	Professor	150061
6	Entomology(0+1+1)	Dr. Talib Dar	Assistant Professor	177097
7	Genetics & Plant	Dr. Kulvir Singh	Professor	154812
8	Breeding (0+1+2)	Dr. Parshotam Singh	Associate Professor	422580
9		Dr. Kartar Singh	Professor	173946
10		Dr. Shalu Rani	Associate Professor	592635
11	Horticulture (0+1+2)	Dr. Ajitpal Singh	Assistant Professor	522798
12		Dr. Ved Kumar Phogat	Professor	151754
13	Soil Science (0+1+1)	Dr. Vijay Singh	Assistant Professor	598333
14	Plant Pathology (0+1+1)	Dr. Anil Kumar Singh	Assistant Professor	360000
15	Animal Science (0+0+1)	Dr. Ranjana Cheema	Professor	111024
16	Biochemistry & Physiology (0+0+1)	Dr. Gurpreet Kaur	Assistant Professor	214194
17	Botany	Dr. Vikrant Jaryan	Associate Professor	575000
18	Agrometrology	Dr. Manjit Singh	Assistant Professor	116290
19	English	Dr. Iftikar	Assistant Professor	254032
20	Microbiology	Dr. Shweta Singh	Associate Professor	4703331
21		Dr. Vikas	Associate Professor	635200
22	Biotechnology	Dr. Kumari Manisha	Assistant Professor	286881
23	Zoology	Dr. Vivek Sharma	Assistant Professor	343774
24	Computer Science	Dr. Jagdeep Kaur	Professor	538472
25	Physical Education	Dr. Amarjeet Singh	Associate Professor	537600

Year 2022-2023

S.No.	Subject	Faculty	Designation	ITR
1		Dr.R. K. Nanwal	Professor	312014
2		Dr. Dileep		
3	Agronomy (0+1+3)	Kachroo	Professor	249295
		Dr. Meenakshi	Assistant Professor	311613
4		Ms. Kamaldeep		
		Kaur	Assistant Professor	259020
5	Agricultural Economics	Dr. R. K. Patel	Professor	236019
6	(0+1+1)	Dr. Mohan Lal	Assistant Professor	398871
7	Agricultural Extension	Dr. Rajinder Kalra	Professor	208419
8	Education (0+1+1)	Dr. Shachi Singh	Assistant Professor	184893
9		Dr. Ombir	Professor	324557
10	Entomology(0+1+1)	Dr. Talib Dar	Assistant Professor	357581
11	Genetics & Plant Breeding	Dr. Kulvir Singh	Professor	324450

	(0+1+2)	Bangarwa		
12		Dr. Parshotam Singh	Professor	600000
13		Dr. Kartar Singh	Professor	320572
14		Dr. Shalu Rani	Assistant Professor	600000
15		Dr. Ajitpal Singh	Assistant Professor	531193
16	Horticulture (0+1+2)	Dr. Akhilesh Singh	Assistant Professor	319629
17		Dr. Ved Kumar Phogat	Professor	300423
18	Soil Science (0+1+1)	Dr. Vijay Singh	Assistant Professor	600000
19	Plant Pathology (0+1+1)	Dr. Anil Kumar singh	Assistant Professor	360000
20	Animal Science (0+0+1)	Dr. Ranjana Cheema	Professor	168770
21	Agriculture Engineering (0+0+1)	Er. Jitender Mohan Wadhwa	Professor	248379
22	Biochemistry & Physiology (0+0+1)	Dr. Gurpreet Kaur	Assistant Professor	477420
23	Agroforestry	Dr. Tara Gupta	Professor	237599
24	Botany	Dr. Vikrant Jaryan	Associate Professor	556800
25	Agrometrology	Dr. Manjit Singh	Assistant Professor	140000
26	English	Dr. Mohd. Iftikar	Assistant Professor	477626
27	Mathematics	Dr. Anju Sood	Associate Professor	516748
28	Microbiology	Dr. Shweta Singh	Associate Professor	552160
29	Food Science and Technology	Dr. Manpreet	Assistant Professor	
30		Dr. Vikas Sharma	Associate Professor	576013
31	Biotechnology	Dr. Kumari Manisha	Assistant Professor	300000
32	Zoology	Dr. Vivek Sharma	Assistant Professor	357097
33	Computer Science	Dr. Jagdeep Kaur	Professor	495986
34	Physical Education	Dr. Amarjeet Singh	Professor	556800

Year 2023-2024

S. No.	Subject	Professor	Designation	ITR
1	Agronomy (0+1+3)	Dr. R. K. Nanwal	Professor	314729
2		Dr. Dileep	Professor	100967

		Kachro		
3		Dr. Meenakshi Seth	Assistant Professor	240733
4		Ms. Kamaldeep	Assistant Professor	261700
5	Agricultural Economics (0+1+1)	Dr. R. K. Patel	Professor	311594
6		Dr. Mohan Lal	Assistant Professor	440552
7	Agricultural Extension Education (0+1+1)	Dr. Rajinder Kalra	Professor	305351
8		Dr. Shachi Singh	Assistant Professor	122271
9		Dr. Ombir	Professor	312359
10	Entomology(0+1+1)	Dr. Talib Dar	Assistant Professor	357347
11		Dr. Kulvir Singh Bangarwa	Professor	316258
12	Genetics & Plant Breeding (0+1+2)	Dr. Parshotam Singh	Assistant Professor	487175
13		Dr. Shalu	Assistant Professor	623052
14	Horticulture (0+1+2)	Dr. Ajitpal Singh	Assistant Professor	539017
15		Dr. Akhilesh Singh	Assistant Professor	356049
16		Dr. Ved Kumar Phogat	Professor	311594
17	Soil Science (0+1+1)	Dr. Vijay Singh	Assistant Professor	569439
19		Dr. Anil Kumar Singh	Assistant Professor	385552
19	Plant Pathology (0+1+1)	Dr. Nalini Singh	Assistant Professor	310707
20	Animal Science (0+0+1)	Dr. Ranjana Cheema	Professor	191420
21	Agriculture Engineering (0+0+1)	Er. Jitender Mohan Wadhwa	Professor	319316
22	Biochemistry & Physiology (0+0+1)	Dr. Gurpreet Kaur	Assistant Professor	597201
23	Agroforestry	Dr. Tara Gupta	Professor	151527
24	Botany	Dr. Vikrant Jaryan	Associate Professor	710208
25	Agrometrology	Dr. Praveen Singh	Assistant Professor	259340
26	English	Dr. Iftikar	Assistant Professor	453421

27	Mathematics	Dr. Anju Sood	Associate Professor	693844
28	Microbiology	Dr. Shweta Singh	Associate Professor	610208
29	Biotechnology	Dr. Vikas Sharma	Associate Professor	600208
30		Dr. Kumari Manisha	Assistant Professor	222685
31	Zoology	Dr. Vivek Sharma	Assistant Professor	380552
32	Computer Science	Dr. Jagdeep Kaur	Professor	622067

Year 2024-2025

S.No.	Subject	Professor	Designation	ITR
1	Agronomy (0+1+3)	Dr. R. K. Nanwal	Professor	3292204
2		Dr. Ram Prakash	Assistant Professor	100258
3		Ms. Kamaldeep	Assistant Professor	294144
4	Agricultural Economics (0+1+1)	Dr. R. K. Patel	Professor	315158
5		Dr. Mohan Lal	Assistant Professor	460144
6	Agricultural Extension Education (0+1+1)	Dr. Rajinder Kalra	Professor	304809
7		Dr. Shachi Singh	Assistant Professor	125792
8	Entomology(0+1+1)	Dr. Ombir	Professor	329204
9		Dr. Talib Dar	Assistant Professor	373096
10	Genetics & Plant Breeding (0+1+2)	Dr. Kulvir Singh Bangarwa	Professor	351957
11		Dr. Parshotam Singh	Associate Professor	479879
12	Horticulture (0+1+2)	Dr. Shalu	Associate Professor	673260
13		Dr. Ajitpal Singh	Assistant Professor	591248
14	Soil Science (0+1+1)	Dr. Ved Kumar Phogat	Professor	315387
15		Dr. Vijay Singh	Assistant Professor	636144
16	Plant Pathology (0+1+1)	Dr. Anil Kumar Singh	Associate Professor	436061
17		Dr. Nalini Singh	Assistant Professor	398549
18	Animal Science (0+0+1)	Dr. Ranjana Cheema	Professor	204386
19	Agriculture Engineering (0+0+1)	Er. Jitender Mohan Wadhwa	Professor	329204
20	Biochemistry & Physiology (0+0+1)	Dr. Gurpreet Kaur	Assistant Professor	273426
21	Botany	Dr. Vikrant Jaryan	Associate Professor	621333
22	Agrometrology	Dr. Praveen Singh	Assistant Professor	436061
23	English	Dr. Iftikar	Assistant Professor	514593
24	Mathematics	Dr. Anju Sood	Associate Professor	597794
25	Microbiology	Dr. Shweta Singh	Associate Professor	664132

26		Dr. Vikas Sharma	Associate Professor	639776
27	Biotechnology	Dr. Kumari Manisha	Assistant Professor	265818
28	Zoology	Dr. Vivek Sharma	Assistant Professor	360279
29	Computer Science	Dr. Jagdeep Kaur	Professor	735689
30	Physical Education	Dr. Amarjeet Singh	Professor	665982

6.4.3 Technical and Supporting Staff:

The detail of minimum technical and supporting staff is mentioned below:

Table 5a Strength of Technical and Supporting Staff

S. No.	Technical & Supporting Staff	Sanctioned	In-place	Recommended by ICAR
1	Lab. Assistant	19	13	19
2	Assistant	11	11	11
3	Field Assistant	13	11	13
4	Assistant/Messenger/Attendant	10	10	0

List of Field Assistants

S. No.	Department/ Section	Details of Field Assistants	
		Name of Field Assistant	Total
1	Agronomy + (Agroforest + Agric Met)	Mr. Rohit Kumar	1
2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Mr. Rajkumar	1
3	Agric Extension & Comm. + (Sociology and Psychology, English)	Ms. Ranvir Kaur	1
4	Entomology + (Zoology)	Ms. Kiranjit Kaur	1
5	Genetics & Plant Breeding, Biotechnology	Mr. Dheru Ram	1
6	Horticulture + (Food Science & Technology)	Mr. Jatin	1
7	Soil Science & Agric. Chem. + (Env. Science)	Mr. Ravinder Kaur	1
8	Plant Pathology + (Microbiology, Botany)	Ms. Rajwinder Kaur	1
9	Biochemistry and Crop Physiology	Mr. Satwinder Singh	1

10	Animal Sci. including Fisheries, Dairy & Poultry	Mr. Balwinder Singh	1
11	Agricultural Engineering	Mr. Hukum Singh	1
	TOTAL		11

List of Office Assistant

S. No.	Department/ Section	Details of Office Assistants	
		Name of Office Assistant	Total
1	Agronomy + (Agroforest + Agric Met)	Mr. Rajwinder Singh	1
2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Ms. Jasleen Kaur	1
3	Agric Extension & Comm. + (Sociology and Psychology, English)	Ms. Simranjit Kaur	1
4	Entomology + (Zoology)	Mr. Onkar Singh Dhillon	1
5	Genetics & Plant Breeding, Biotechnology	Ms. Amandeep Kaur	1
6	Horticulture + (Food Science & Technology)	Ms. Amarjeet Kaur	1
7	Soil Science & Agric. Chem. + (Env. Science)	Ms. Kuljit Kaur	1
8	Plant Pathology + (Microbiology, Botany)	Mr. Manu Sachdeva	1
9	Biochemistry and Crop Physiology	Ms. Anupreet	1
10	Animal Sciences (including Fisheries, Dairy & Poultry)	Ms. Harpreet Kaur	1
11	Agricultural Engineering	Ms. Damanpreet Kaur	1
	TOTAL		11

List of Lab Assistant

S. No.	Department/ Section	Details of Lab Assistants	
		Name of Lab Assistant	Total
1	Agronomy + (Agroforest + Agric Met)	Mr. Prabhdeep Singh	1

2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Ms. Rajwinder Kaur Mr. Jujhar Singh	2
3	Agric Extension & Comm. + (Sociology and Psychology, English)	Ms. Gurpreet Kaur	1
4	Entomology + (Zoology)	Mr. Rajesh Kumar	1
5	Genetics & Plant Breeding, Biotechnology	Ms. Himani	1
6	Horticulture + (Food Science & Technology)	Ms. Manpreet Kaur Ms. Neha Parmar	2
7	Soil Science & Agric. Chem. + (Env. Science)	Ms. Paramjeet Kaur	1
8	Plant Pathology + (Microbiology, Botany)	Ms. Jasleen Kaur	1
9	Biochemistry and Crop Physiology	Ms. Satvir Kaur	1
10	Animal Sci. including Fisheries, Dairy & Poultry	Ms. Sonia Sharma	1
11	Agricultural Engineering	Mr. Navpreet Singh	1
	TOTAL		13

List of Assistant/Attendant/ Messenger

S.No.	Department/ Section	Details of Field Assistants	
		Name of Field Assistant	Total
1	Agronomy + (Agroforest + Agric Met)	Ms. Gurpreet Kaur	1
2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Mr. Harpreet Kaur	1
3	Agric Extension & Comm. + (Sociology and Psychology, English)	Mr. Kulwinder Singh	1
4	Entomology + (Zoology)	Ms. Gurbaksh Kaur	1
5	Genetics & Plant Breeding, Biotechnology	Ms. Paramjeet Singh	1
6	Horticulture + (Food Science & Technology)	Mr. Dalbir Lal	1
7	Soil Science & Agric. Chem. + (Env. Science)	Mr. Jaswinder Singh	1
8	Plant Pathology + (Microbiology, Botany)	Ms. Manjit	1
9	Biochemistry and Crop Physiology	Mr. Raman	1
10	Animal Sci. including Fisheries, Dairy & Poultry	Mr. Harjinder Singh	1

11	Agricultural Engineering		
	Total		10

Table 5b Name and details of technical and supporting staff

List of Field Assistant

S.No.	Department/ Section	Details of Field Assistants		ITR
		Name of Field Assistant	Total	
1	Agronomy + (Agroforest + Agric Met)	Mr. Rohit Kumar	1	60387
2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Mr. Rajkumar	1	130560
3	Agric Extension & Comm. + (Sociology and Psychology, English)	Ms. Ranvir Kaur	1	272773
4	Entomology + (Zoology)	Ms. Kiranjit Kaur	1	120734
5	Genetics & Plant Breeding, Biotechnology	Mr. Dheru Ram	1	125640
6	Horticulture + (Food Science & Technology)	Mr. Jatin	1	61394
7	Soil Science & Agric. Chem. + (Env. Science)	Mr. Ravinder Kaur	1	122157
8	Plant Pathology + (Microbiology, Botany)	Ms. Rajwinder Kaur	1	264502
9	Biochemistry and Crop Physiology	Mr. Satwinder Singh	1	128430
10	Animal Sci. including Fisheries, Dairy & Poultry	Mr. Balwinder Singh	1	233099
11	Agricultural Engineering	Mr. Hukum Singh	1	192762
	TOTAL		11	

List of Office Assistant

S.No.	Department/ Section	Details of Office Assistants		ITR
		Name of Office Assistant	Total	
1	Agronomy + (Agroforest + Agric Met)	Mr. Rajwinder Singh	1	175891
2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Ms. Jasleen Kaur	1	72968
3	Agric Extension & Comm. + (Sociology and	Ms. Simranjit Kaur	1	99333

	Psychology, English)			
4	Entomology + (Zoology)	Mr. Onkar Singh Dhillon	1	107925
5	Genetics & Plant Breeding, Biotechnology	Ms. Amandeep Kaur	1	120000
6	Horticulture + (Food Science & Technology)	Ms. Amarjeet Kaur	1	127150
7	Soil Science & Agric. Chem. + (Env. Science)	Ms. Kuljit Kaur	1	86031
8	Plant Pathology + (Microbiology, Botany)	Mr. Manu Sachdeva	1	128184
9	Biochemistry and Crop Physiology	Ms. Anupreet	1	128184
10	Animal Sciences (including Fisheries, Dairy & Poultry)	Ms. Harpreet Kaur	1	83315
11	Agricultural Engineering	Ms. Damanpreet Kaur	1	128184
	TOTAL		11	

List of Lab Assistant

S. No.	Department/ Section	Details of Lab Assistants		ITR
		Name of Lab Assistant	Total	
1	Agronomy + (Agroforest + Agric Met)	Mr. Prabhdeep Singh	1	111213
2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Ms. Rajwinder Kaur Mr. Jujhar Singh	2	165448
3	Agric Extension & Comm. + (Sociology and Psychology, English)	Ms. Gurpreet Kaur	1	61394
4	Entomology + (Zoology)	Mr. Rajesh Kumar	1	271354
5	Genetics & Plant Breeding, Biotechnology	Ms. Himani	1	422592
6	Horticulture + (Food Science & Technology)	Ms. Manpreet Kaur Ms. Neha Parmar	2	61394 New recruitment
7	Soil Science & Agric. Chem. + (Env. Science)	Ms. Paramjeet Kaur	1	122316
8	Plant Pathology + (Microbiology, Botany)	Ms. Jasleen Kaur	1	61394
9	Biochemistry and Crop Physiology	Ms. Satvir Kaur	1	271354
10	Animal Sci. including Fisheries, Dairy & Poultry	Ms. Sonia Sharma	1	422592
11	Agricultural Engineering	Mr. Navpreet Singh	1	313128
	TOTAL		13	

List of Assistant/Attendant/ Messenger

S.No.	Department/ Section	Details of Field Assistants		ITR
		Name of Field Assistant	Total	
1	Agronomy + (Agroforest + Agric Met)	Ms. Gurpreet Kaur	1	128430
2	Agric. Economics + (Maths & Stat, Computer Science, Business Management)	Mr. Harpreet Kaur	1	116068
3	Agric Extension & Comm. + (Sociology and Psychology, English)	Mr. Kulwinder Singh	1	128430
4	Entomology + (Zoology)	Ms. Gurbaksh Kaur	1	113640
5	Genetics & Plant Breeding, Biotechnology	Mr. Paramjeet Kumar	1	126010
6	Horticulture + (Food Science & Technology)	Mr. Dalbir Lal	1	124521
7	Soil Science & Agric. Chem. + (Env. Science)	Mr. Jaswinder Singh	1	106691
8	Plant Pathology + (Microbiology, Botany)	Ms. Manjit	1	-----
9	Biochemistry and Crop Physiology	Mr. Raman	1	125764
10	Animal Sci. including Fisheries, Dairy & Poultry	Mr. Harjinder Singh	1	124896
11	Agricultural Engineering			
	Total		10	

6.4.4 Classroom and Laboratories:

The department is equipped with classrooms, laboratories and other facilities, details of which are available:

Table 6 Classrooms/Laboratories in the department

S.No	Classroom	Count
1	Classroom	8
2	Class rooms with projector and Wi-Fi LAN facilities	2
3	Smart Class rooms with smart board, projector and Wi-Fi LAN facilities	3
4	Central Library	1
5	Examination Hall	1
6	Evaluation Room	1
7	Laboratories	10
8	Central Computer Lab	1

The practical classes for various courses are conducted either in the laboratories or in the fields of the department. For the field-related experiments, the departments have well maintained instructional and research farm required for the conduct of practical classes, details of which is provided as follows:

Table7: Facilities Available in the Department for the Conduct of Practical Classes.

S. No.	Name of dept./ laboratory	Items/equipments	Present	Nos. required as per V Deans' committee report
1	Agronomy & Agro-forestry			
		Crop Cafeteria	Present	½ acre land small implements like spade, hoe, khurpi, darati etc.
		Museum for identification of seeds, fertilizer, weeds, commonly used agro-chemical and medicinal and aromatic plants etc	Present	Storage bottle Herbarium posting material
		Field of sowing method, fertilizer application, irrigation and soil productivity and yield estimation	Present	Small equipment/ implement
		Irrigation water measurement, bulk density etc.	Present	
		Hot air oven	2	2
		Moisture Box	30	30
		Moisture Meter	2	5
		Tube Auger	10	10
		Bucket Auger	10	10
		Weighing Balance	1	1
		Seed Germinator	1	2
		Conductivity Meter	-	1
		pH Meter	2	2
		Water Bath	-	1
		Shaker	1	1
		Chlorophyl Meter	1	1
		Spring Balance (50 kg)	5	5
		Spring Balance (10 kg)	5	5

		Top Pan Balance (1kg)	5	5
		Top Pan Balance (2kg)	5	5
		Meter Scale	10	10
		Tape	5	5
		Brix Meter	2	2
2	Agricultural Economics + (Basic Economics, Maths& Computer Science and Statistics			
		Computers with internet	40	15
		Camera	1	1
		Printer	1	-
		Software	As per requirement	As per requirement
3	Agricultural Extension & Communication			
		LCD Projector	1	1
		Camera (SLR) with zoom, wide-angle, tele-photo lens)	1	1
		Video camera with tripod, lighting accessories and editing facility	1	1
		Computers (workstation) with editing softwares	1	1
		Digital voice recorders	5	5
		Audio recording-mixing consoles	1	1
		Computation softwares for statistics	1	1
4	Entomology			
		Binocular Microscope	20	20
		Insect Box	50	60
		Insect Collection Nets	6	60
		Collection Bottles	25	60
		Insect Collection Big Boxes for Museum (1 for each order)	59	29
		Insecticides for showing students/Representative for each group	As per requirement	As per requirement
		Stereomicroscope	1	1
		Electronic Balance	1	1
		Soxhlet Extraction Apparatus	1	1

		Bee keeping equipment	10 Set	1 Set
		Oven	1	1
		Potters Tower	-	1
		Sprayers 01 of each type	1	1
		Light traps	-	1 Set
		Fumigation Chamber/inoculation chamber	1	1
		Inoculation chamber	1	-
		Sides/cover slips as per requirement	as per requirement	as per requirement
		pH Meter	1	1
		Computer with printer	1	1
5	Genetics & Plant Breeding + (Seed Science & Technology)			
	Genetics			
		Microscope	10	10
		Binocular microscope	10	10
		Electronic Moisture Meter	2	2
		Electronic Balance	2	2
		Seed Germinator	1	2
		Automatic seed/grain counter	1	1
6	Biotechnology			
		Hot Air Oven	1	1
		BOD Incubator	1	1
		Fluorescence microscope	1	1
		Centrifuge	1	1
		Growth Chamber	-	1
		Distillation Assembly	1	1
7	Horticulture + (Food Science & Technology)			
	Post Harvest Lab			
		Hand Refractometer	5	5
		Digital Refractometer	2	2
		Oven	1	1
		Refrigerator	1	1
		Electronic Weighing Balance	2	2
		Top Pan Balance (1kg)	2	2

		Top Pan Balance (2kg)	2	2
		Deep Freezer	1	1
		pH Meter	1	1
		Fruit crusher	1	1
		Grinding & Mixing Machine	1	1
		Distillation Assembly	1	1
	UG Lab.			
		Seed Germinator	-	2
		Grafting and budding knife	5	60
		Secateurs	40	60
		Saw	5	5
		Loppers	5	5
		Mist Chamber	1	1
		Poly house with drip irrigation system	1	2
		Microscope	1	
	Food Science & Technology			
		Refrigerator	1	1
		Muffle furnace	1	1
		Weighing balance	6	2
		Water bath	1	2
		Hot air oven	1	2
		Fruit penetrometer	-	2
		Pulper	-	1
		Juice extractor	-	1
		Crown corking machine	-	1
		Spectrophotometer	-	1
		Microwave oven	2	1
		Baking oven	1	1
		Sieve shaker	-	1
		Poly pouch sealer	2	1
		Crusher		1
		Masala grinder	1	1
		Dehydrator	-	1
		Cold room	-	1

		Vacuum pump	-	1
8	Soil Science and Agricultural Chemistry + (Microbiology, Agro-meteorology, Environmental Sciences)			
		Electronic Top pan balance (0.1 g capacity)	2	2
		Electronic Top pan balance (1 mg capacity)	2	2
		Hot air oven	1	2
		pH Meter	5	5
		EC Meter	2	5
		Flame Photometer	1	1
		Visible spectrophotometer	1	1
		Hot Plate	2	2
		Distilled water unit	1	2
		Water Bath	1	1
		Rotary Shaker	1	2
		Binocular Microscope (simple)	2 (13)	20
		BOD Incubator	-	2
		Autoclave	1	2
		Laminar Air Flow	1	1
		Microwave oven	1	1
		Digestion block	-	2
		Hydrometer	2	5
		Infiltrometer	2	2
		Hydraulic conductivity meter	1	1
		Atterberg's limits meter	5	5
		Nitrogen Analyser	1	2
9	Agro meteorology			
		Thermometer Max	5	5
		Thermometer Min	5	5
		Digital Anemometer	2	2
		Cup Anemometer	2	2
		Pan Evaporimeter	1	2
		Soil thermometer (5, 10, 15 cm each)	15	5
		Rain gauge	1	1

		Self-recording Rain gauge	1	1
		Sunshine Recorder	-	1
		Stevenson's Screen	1	1
		Thermograph	-	1
		Hygrograph	-	1
		Soil Heat Flux Plate	1	1
		GPS	-	10
		AWS (optional)	-	1
		Lysimeter (optional)	-	1
		Luxmeter	1	2
		Solar Pyranometer	-	1
10	Plant Pathology			
		Microscope compound with photodisplay arrangement	3	3
		Sterobinocular	-	5
		Sample processing Board (Dry preservation of samples)	1	4
		Wet preservation Jars	50	50
		Autoclave	1	2
		Oven	1	1
		Deep Freeze	1	1
		Centrifuge (3000 rpm)	1	1
		Refrigerator	1	1
		Water bath	1	2
		Electronic balance	1	2
		Weighing machine	1	1
		Incubator	2	2
		Occular meter	5	5
		Stage Micrometer	5	5
		Camera Lucida	-	5
11	Animal Science			
		5000/6500 Feed and Forage Analyzer	-	1
		Hand and electric centrifuge	-	1
		Analytical balance	-	1
		Hot air oven	1	1

		Micro kjeldahl N digestion & distillation apparatus	1	1
		Soxhlet unit for fat estimation	-	1
		Hot plate, Fiber Tech.	1	1
		Vacuum pump	-	1
		Willy mill grinder	1	1
		Platform balance (100 kg cap)	1	1
		Gerber centrifuge unit (for milk fat testing)	-	1
		Milk analyzer (automatic)	-	1
		Crude fiber estimation units	-	1
		Distilled water unit	1	1
		Incubator cum hatcher	-	1
		Brooder machine	-	1
		Feeder	1	1
		Waterer	1	1
		Egg candling machine	-	1
		Debeaker	1	1
		Vaccinator	1	1
		Milking machine	As per requirement	As per requirement
		Milking bucket	As per requirement	As per requirement
		Milking can	As per requirement	As per requirement
		Animal and bird identification tools	As per requirement	As per requirement
		Chaff cutter	1	1
		Lactometer	1	1
		Castrator	1	1
		Shearer	1	1
		Electric dehorner	1	1
		Artificial vagina	1	1

		Common medication device	1	1
		Cattle crate	1	1
12	Agricultural Engineering & Farm Management			
		Working models of MB plough, Disk plough and indigenous plough 2 sets each	1	2
		Working model of different harrows Actual	Actual	Actual
		Seed drill	1	1
		Different types of threshing drums	As per requirement	As per requirement
		Working models of reaper and mower	2	2
		Different types of sprayers and dusters	As per requirement	As per requirement
		Cut model of CI & SI engine	1	1
		Cut model of Tractor	-	1

Apart from these, Plant Tissue Culture Laboratory and Central Instrumental Facility are also available.

Farm Facilities Available in the Department

(a) Land allocation:

The Department of Agriculture has 30 ha of land, out of which 22.15 ha of land is allotted to farm related teaching and research activities etc.

Table 8 The division/department wise allotment of farm land is given below:

S. No.	Department/particular	Land (ha)
1	Total land	30.0
2	Main Building/Hostels/Residential Quarters (Including roads), Playground & other amenities	11.33
3	Agronomy & Farm Forestry	6.15
4	Entomology	0.38
5	Genetics & Plant Breeding + (Seed Science & Technology)	3.51

6	Horticulture	6.16
7	Soil Science and Associated Departments	0.8
8	Plant Pathology	0.4
9	Animal Sciences	2.0
10	Biochemistry and Physiology	0.4
11	Agricultural Engineering	0.8
12	Farm land (3+4+5+6+7+8+9+10+11)	20.0

6.4.5 Conduct of Practical and Hands-on-Training

All the undergraduate courses have practical classes along with the theory classes in all semesters in B.Sc. (Hons.) Agriculture programme. Field facilities and well-equipped laboratories related to various disciplines of the department are available for the conduct of practical sessions for the degree programme. The students are provided with Practical manuals/e-manuals for understanding. The demonstrations are given with the help of charts, PowerPoint presentations, live specimens and field exposure, etc.

Table 9 List of Must-to-Do Practical in various courses

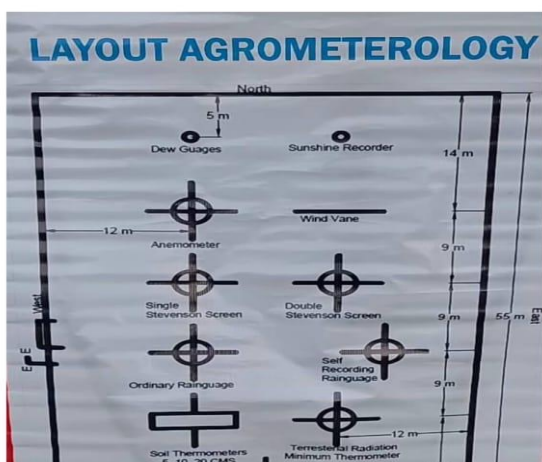
List of Must-to-Do Practical in various courses	
Agronomy	Identification of crop seeds and weeds
	Seed germination and viability tests
	Sowing methods and calculation of plant population
	Crop growth parameters measurement
	Fertilizer requirement calculation
	Irrigation scheduling
	Harvest index and yield estimation
Soil Science & Agricultural Chemistry	Soil sampling and preparation
	Soil texture determination
	Soil pH, EC and organic carbon estimation
	Available N, P, K estimation
	Bulk density and particle density
	Soil health card interpretation
Genetics & Plant Breeding	Mendelian experiments
	Emasculation and hybridization
	Heritability and genetic advance
	Seed purity analysis
	Experimental layout and randomization
Plant Physiology	Chlorophyll estimation
	Photosynthesis and transpiration measurement
	Relative Water Content (RWC)
	Stomatal index

	Enzyme activity assays
Agricultural Biochemistry	Qualitative tests for biomolecules
	Protein, sugar and amino acid estimation
	Enzyme kinetics (K_m and V_{max})
	Nucleic acid extraction
	Antioxidant activity assays
Plant Pathology	Identification of plant diseases
	Isolation and culturing of pathogens
	Koch's postulates
	Fungicide evaluation
	Seed health testing
Entomology	Identification of insect pests and beneficial insects
	Life cycle study
	Insecticide formulation and sprayer calibration
	ETL calculation
	Stored grain pest identification
Horticulture	Identification of crops and seeds of fruits, vegetables and ornamentals
	Nursery raising techniques
	Vegetative propagation methods
	Training and Pruning practices in horticultural crops
	Post-harvest handling and Value addition
	Quality parameter estimation
Agricultural Engineering	Identification of farm implements
	Calibration of seed drills
	Tractor operation basics
	Irrigation system study
	Renewable energy devices
Agricultural Extension Education	Rural survey and PRA tools
	Preparation of teaching aids
	Demonstrations and field visits
	Case study and report writing

Conduct of Practicals







Protected Structures





Hands on Training: During the first semester of the final year degree programme, students go for Rural Agricultural Work Experience (RAWE) and in the second semester, Experiential Learning Programmes (ELP) is run for imparting need based skills in agriculture. A significant emphasis is given on practical part of the subject and the students are evaluated based on their practical learning. The infrastructure for these modules has been established on the department farm.

Experiential Learning Programme provides a platform to the students to interact with the industry, entrepreneurs and other allied institutions in agriculture and get first-hand experience in serving the farmers and industry. In addition, these students are given an opportunity to get practical training on various aspects of Horticulture, Beekeeping, Organic farming, mushroom cultivation. The detail of modules alongwith number of students has been discussed in the table 10.

Table 10 List of number of students under Experiential Learning Programmes (ELP)

Subject Code	Experiential Learning Modules (Choice of 2 options)	Session 2019-2020	Session 2020-2021	Session 2021-22
		No. of students	No. of students	No. of students
AGR 406	Mushroom Cultivation Technology	-	-	-
AGR 410	Commercial Beekeeping	-	-	-
AGR 414	Commercial Horticulture	56	33	28
AGR 422	Organic Production Technology	56	33	28

Rural Agricultural Work Experience (RAWE) Programme: This programme provides students with an opportunity to apply their theoretical knowledge in real farm situations by actively participating in the organization of various extension activities for technology transfer among farmers.

Table 11 List of students under Rural Agricultural Work Experience (RAWE) Programme

Subject Code	RAWE Program	Batch 2019-2020	Batch 2020-2021	Batch 2021-22
		No. of students	No. of students	No. of students
AGR 401	General Orientation and Village Attachment	56 (7 groups)	33 (4 groups)	28 (4 groups)
AGR 403	Plant Clinic	56 (7 groups)	33 (4 groups)	28 (4 groups)
AGR 405	Agro Industrial	56 (7 groups)	33 (4 groups)	28 (4 groups)

	Attachment			
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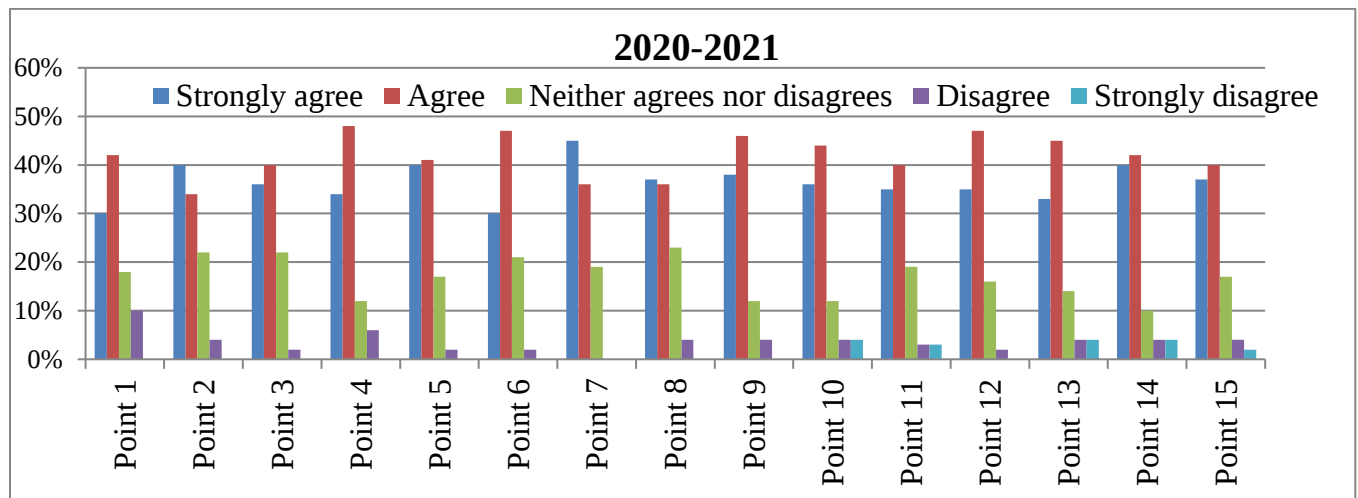
6.4.6. Supervision of students in PG/Ph.D Programme: Not Applicable

6.4.7 Feedback of stakeholders (Students, farmers, parents and industrialists):

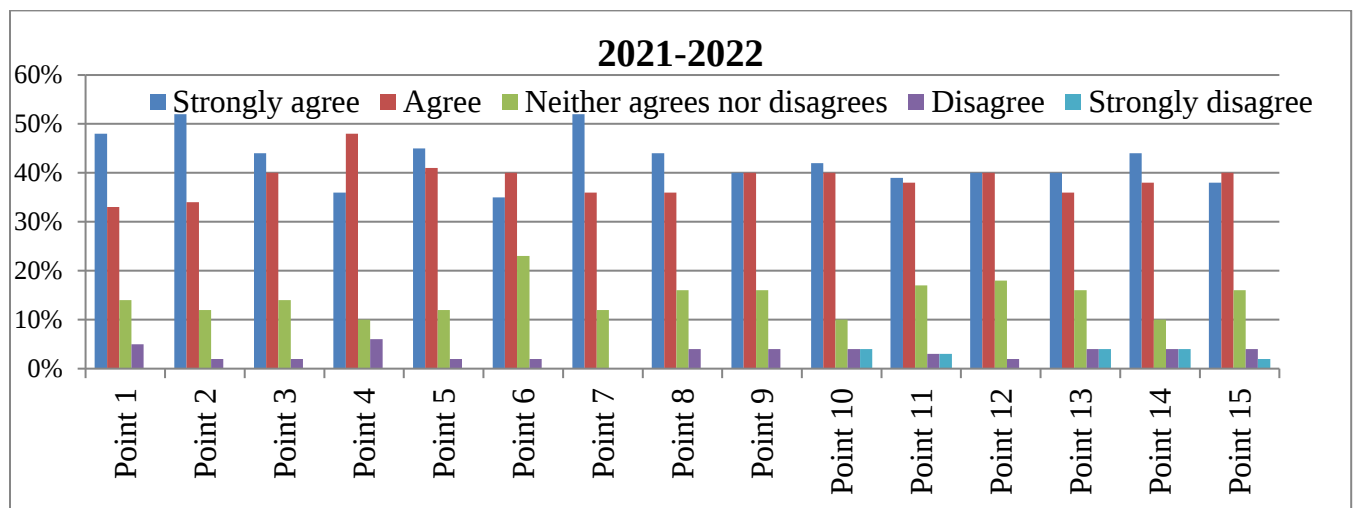
The department follows feedback mechanism which is very efficient and effective method where feedback is taken from the various stakeholders (Students, Teachers, Alumnus and Employers) through online mode by Google forms to design or reform syllabi, curriculum, academic matters and address issues concerning students and stakeholders. Parents remain continuously in touch with the mentors or class in-charges. Farmers regularly remain in touch with the department and also during Kisan Melas/visits/telephonically or other interaction meetings where they provide their valuable feedback. The feedback received from various stakeholders is systematically analyzed and discussed in departmental meetings. The inputs received are further considered while taking departmental decisions related to programme planning, implementation and improvement.

Following points are covered in the student feedback survey:

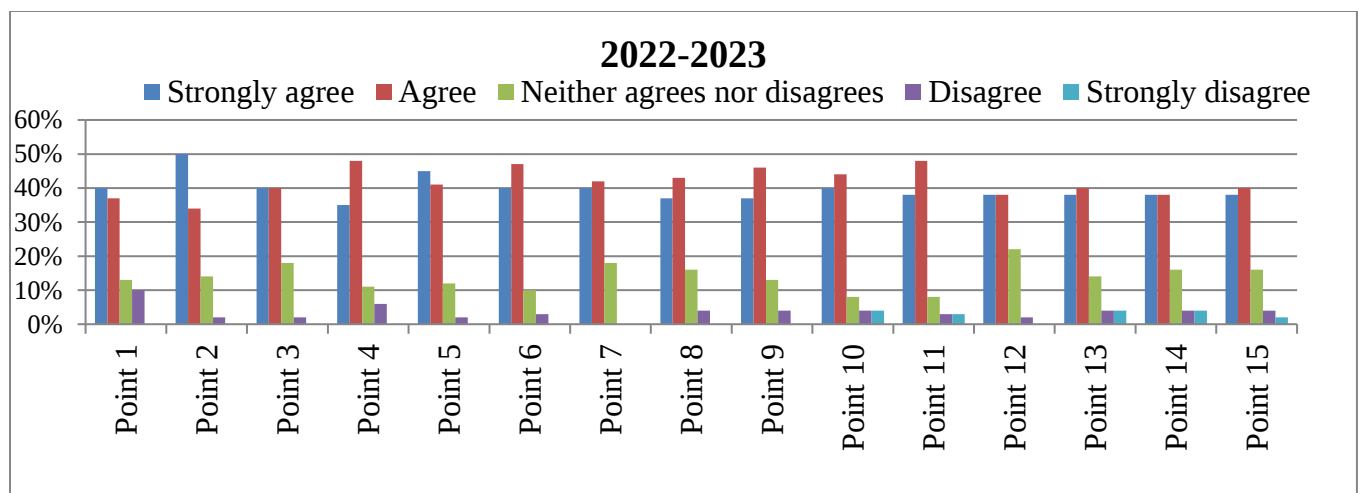
S. No.	Point No.	Contents
1	Point-1	The syllabus is relevant to current agricultural practices and industrial requirement
2	Point-2	Course content integrates theory with practical applications
3	Point-3	Emerging areas like precision farming protected cultivation etc.) are adequately covered
4	Point-4	Teachers explain concepts clearly and effectively
5	Point-5	Laboratory facilities are adequate and functional
6	Point-6	Field visit enhance exposure to real world practices
7	Point-7	Higher authorities are approachable and responsive
8	Point-8	Library resources (books, journals, e-resources) are adequate and regularly updated
9	Point-9	Evaluation methods are fair and transparent
10	Point-10	Farm, orchard, nursery and experimental units are well maintained
11	Point-11	The program improves practical agricultural skills
12	Point-12	Teaching-learning resources effectively support in preparing competitive exams
13	Point-13	Student grievances are addressed in a timely, transparent and effective manner
14	Point-14	Institute actively conducts extracurricular activities
15	Point-15	Hostel facilities are adequate, safe and well-maintained



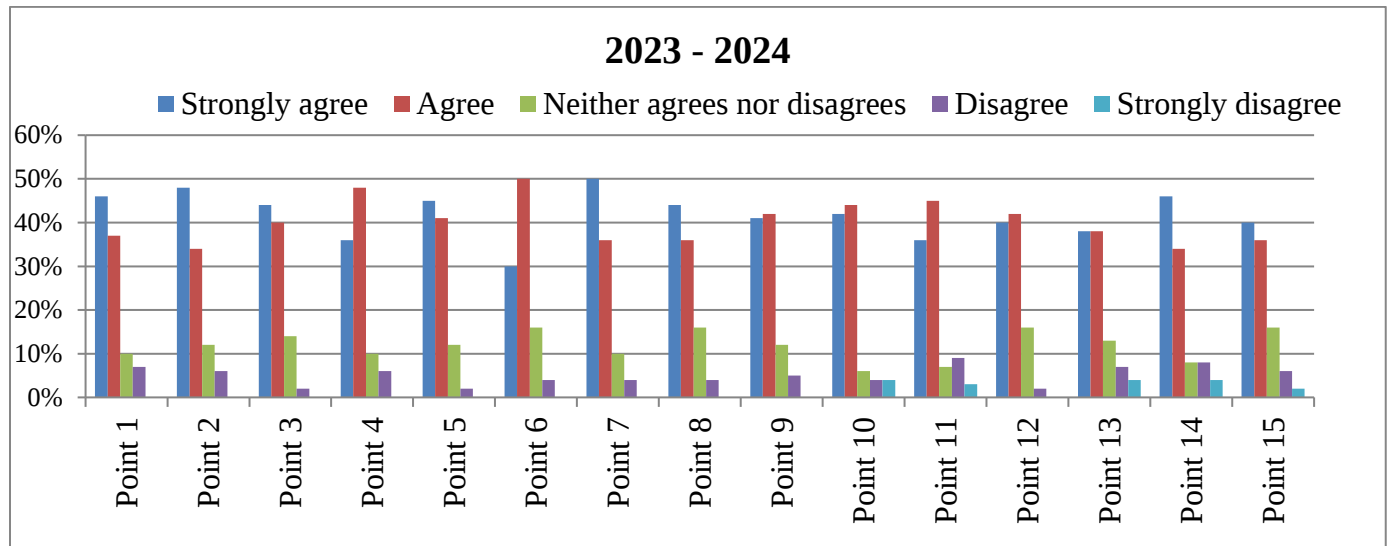
(a)



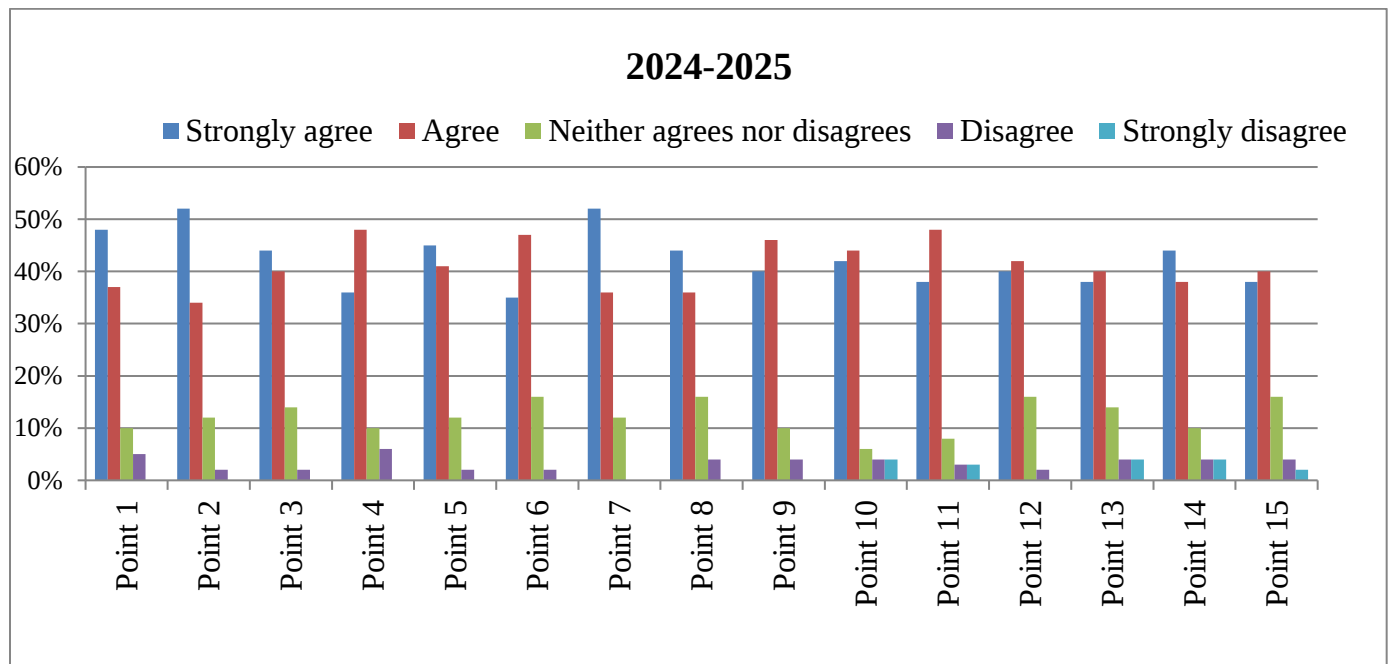
(b)



(c)



(d)



(e)

Fig1. Graphical representation of feedback received during academic year (a) 2020-21, (b) 2021-22, (c) 2022 -23 (d) 2023-24 (e) 2024-25

6.4.8. Student Intake and Attrition in the Programme for Last Five Years.

Table 12: Student Intake and Attrition in B.Sc (Hons) Agriculture

Year	2020-21	2021-22	2022-23	2023-24	2024-25
Admitted	38	34	36	38	38
Attrition (%)	13	18	14	8	5

Average Number of Students in Theory and Practical Classes: The average number of students in theory and practical classes in B.Sc (Hons.) Agriculture is 40-60 and 30, respectively.

Admission Process: SBBSU's B.Sc. Agriculture admission involves online/offline applications, eligibility checks (10+2 with PCM/Biology, 50% marks usually, OR 2 years Diploma in Agriculture after 10th or equivalent). One can also apply via the SBBSU website or brochure, upload/submit documents, and pay fees after being shortlisted.

Registration process: For online registration, the information is provided on university website (<https://sbbsu.in8.nopaperforms.com/>)

Academic Calender Publication: Before the start of each academic year, an academic calendar is published by the University which is followed by the department. It contains comprehensive and precise information regarding the schedule of registration, examinations, submission of result, semester break, adding and dropping dates of the courses, etc. for both semesters of the academic year.

Examination and Evaluation Process: The examination process in the department comprises of mid-semester, end semester examination and final practical examination. These are conducted as per the schedule of the university. The question papers are set by the external/internal experts and are critically analyzed by Head/dean of the department. Likewise, answer sheets are scrutinized critically for the fair results. The final results are submitted and credit points are generated.

6.4.9. ICT Application in Curricula Delivery

The department has smart class room fitted with one smart board and computer software used for power point presentations during classes and holding seminars. Also the classrooms have facility of projectors for delivering course content through presentations.

- Regular assignments related to each course are given to the students to strengthen critical knowledge of the students.
- Power point presentations and panel discussions are arranged by the teachers of each

course to improve communication skills of students.

- Facility to access national/international journals/books for study purpose is provided to the students through the university library.
- ICT is being used by teachers to help stay updated with the latest teaching methods and technologies.

6.4.10 Central Library

Sant Baba Bhag Singh University has a fully automated Central Library and departmental libraries in the various University Institutes. Central Library is the central service unit for the creation of latest knowledge and information through the Current Awareness Services (CAS), Selective Dissemination of Information (SDI), print and e-resources.

Keeping in pace with the above spirit and Sant Baba Bhag Singh University's Central Library is spacious with a total built-up area of 702 square metres and can house 180 students/faculty members. Central Library offers a platform for research, innovation, and development and has a rich collection of more than 47000 books and 13 print journals, 17 magazines and 13 Newspapers.

Online databases like J-Gate and membership of digital consortia's DELNET, National Digital Library of India and Shodh Ganga, professional bodies' offer best infrastructure for the students and academia community. Central Library is having a good number of electronic resources, digital resources, databases, ICT based resources for its users; thousands of e-books, e-journals, and databases on science and technology, engineering, management, law, humanities, social sciences and hotel management are available for the students and academia community. The library has a separate section equipped with desktop computers for research scholars.

A photocopying/scanning facility is also available in the library. OPAC is also available in the library. Central Library is in the process of full automation and digitalization with the latest E - Granthalya version.

6.4.11NCC/NSS Units

Every student enrolled in Bachelor's degree course in the department is required to participate in any one of the two-fold programmes i.e. NCC and NSS in the first and second year. The department coordinator ensures the enrolment of students in these programmes.

National Cadet Corps (NCC):In each semester, 60 hours are held in one year and every student who has opted NCC must participate in minimum of 75% parades. The students undergoing compulsory NCC training are required to attend one annual training camp.

Table 13 List of students enrolled in NCC

S.No.	Batch	Registration number	Name
1	2020	20037028	Satwinder Singh
2	2020	20037048	Gurpreet Kaur
3	2020	20037013	Ishmeet Kaur
4	2021	21037014	Nandini Chaudhary
5	2022	22037021	Arsh
6	2022	22037006	Ayush Sharma
7	2023	23037016	Beautydeep Kumari
8	2023	23037031	Natasha
9	2023	23037032	Raghuvir Singh Minhas
10	2023	23037047	Ankita
11	2024	24037026	Ashish

Table 13 List of activities conducted by NCC

S.No.	Activity Name	Activity Date
1	Patriotic Song Competition – Vande Mataram Commemoration	11/22/2025
2	Vigilance Awareness Rally by NCC Cadets	10/29/2025
3	Participation in a blood donation camp	11/21/2024
4	'Swabhav Swachhata Sanskar Swachhata' and 'Swach Bharat Abhyan'	9/26/2024

5	Independence Day parade	8/15/2024
6	Independence Day Celebration	8/15/2024
7	NCC CATC-32 CAMP	14/06/24 to 23/06/24
8	Visit to Khanaura village	5/17/2024
9	Sports and Shooting Competition	18/04/24 to 26/04/24
10	Republic Day	1/26/2024
11	Expert lecture to celebrate 14th National Voter's Day by NCC/NSS	1/25/2024
12	Thal Sena Camp	8/5/2022
13	Celebration of World Kindness Day	7/7/2022
14	Five Days NCC camp at Sant Baba Bhag Singh University	12/1/2021

National Service Scheme (NSS): NSS programme is a vibrant platform that fosters a spirit of social responsibility, community service and nation-building among students. It empowers students to develop leadership qualities, empathy, and a sense of civic duty while contributing meaningfully to society.

Table 15 List of activities conducted by NSS

S No.	Name of the activity	Date
1	Cleanliness Drive	19-05-2023
2	A Special Lecture to Maintain Health and Hygiene	12-05-2023
3	Essay Writing Competition on the Topic AIDS	24-03-2023
4	Traffic Awareness	09-03-2023
5	Water Conservation	02-03-2023
6	Think Before You Trash	14-02-2023
7	Go Green, Breathe Clean	23-11-2022
8	Go Green, Breathe Clean (Plantation on Campus)	22-11-2022
9	Report on Cleanliness (Swachh Bharat Mission)	18-11-2022
10	Tree Plantation	27-10-2022
11	Awareness About Avoiding Plastic	22-09-2022
12	Road Safety	11-08-2022
13	Rally Against Drug Abuse	24-03-2022
14	Vigilance Awareness Week	26-10-2021 to 01-11-2021

Physical Facilities

Apart from the departmental build area and field area, the other physical facilities include following:

Hostels

The hostels are provided to girls and boys at University level separately. All the hostels have secured wi-fi internet connectivity. At present, about 300 students of the department are staying in hostels.

- Mess facility is available in all the hostels along with water purifiers (RO systems).
- Students are provided warm water for bathing through solar and electric geysers.
- Indoor games (table tennis, carom, badminton etc.) are available in each hostel.
- Each hostel has a common room with an LED television (Local cable TV) and magazines. Each hostel has news stands where the students can read the newspapers.
- There are dedicated sweepers deputed in each hostel, who are responsible for daily cleaning of the rooms, common areas and premises.
- For movement from the gates to hostel, University has provided buses which commute between various sites throughout the day. In addition, e-rickshaws also ply in the University from one location to other.
- Facility of Ambulance, Infirmary and Hospital is also available to the students.

Examination Hall: The department has exam cell having capacity of 300 students.

Sports and Recreation Facilities : The university has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,). The University is deeply committed to the holistic development of students, actively encouraging their participation in sports, games, and cultural activities. Believing in the importance of well-rounded growth, the University has established and maintained excellent sports facilities and a robust infrastructure to support a wide range of cultural and co-curricular events. The University has a state-of-the-art football stadium capable of organizing national/International matches with a seating capacity of more than 3000 persons. A 400 m athletic track, full dimension hockey field, a

cricket field, two volleyball courts, one cemented basketball court, three badminton courts, table tennis, kabaddi courts, and a tug-of-war training area is also available in the University. Students of B.Sc.(Hons.) Agriculture actively participate in the Annual Athletic Meet organized by the Department of Physical Education and Sports. Demonstrating exceptional performance and sportsmanship, many students have secured multiple medals in various events.

Auditorium for Various cultural activities:

An auditorium with a seating capacity of 1,000, which serves as the central venue for cultural programs and the annual University Youth Festival – 'YUVA'. This event provides students with a platform to showcase their talents and engage in meaningful artistic expression.

Other General facilities

Transport: Being located in a rural area, away from national highways, the University has developed a comprehensive transportation system to facilitate the arrival and departure of students and staff. The University operates a fleet of buses, tempos, and cars to ensure smooth and safe commuting from nearby towns and villages.

Additionally, to support eco-friendly and convenient intra-campus mobility, e-rickshaws are available for the movement of both students and staff within the campus. These transportation facilities reflect the University's commitment to accessibility, safety, and sustainability.

ATM: The University has a PNB ATM set up on campus for students and staff. It remains open 24 x7.

Ambulance: An ambulance is available within the University in case of any medical emergency.

Infirmary: An infirmary is also available on campus during working hours; it is free of cost for the students and at nominal charges for staff and faculty.

General workshop: The University is equipped with a general workshop that supports a variety of construction and technical activities. Facilities available include interlock tile-making, welding, machining, cutting, and electrical wiring, which provide hands-on training opportunities for students and support campus maintenance and development projects.

In addition, the University also has a mechanic shop, further enhancing the practical learning infrastructure and enabling students to gain exposure to mechanical repair and servicing tasks. These facilities contribute to skill development and align with the University's focus on practical, application-oriented education.

Parking: The University has central and block-wise parking areas for faculty, staff, students, and visitors. Two-wheelers and four-wheeler vehicles have separate sections in the parking area.

Security: The University has an adequate number of security guards for the safety and security of students and staff.

Gymnasium: The University has Gymnasium facility, equipped with a range of exercise equipment for the development of the whole body, is available.

Gurudwara Sahib: University has 'Gurudwara Sahib' on the campus, providing spiritual dose and peace of mind during the turbulent and stressful times. Transport and facility for namaz for muslim students is also provided.

Canteens: To provide students with refreshments and food, the University has a separate canteen for girls and a common (boys and girls) canteen. All the food items available are strictly vegetarian.

6.4.12 Certificate

I, the Dean 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.