Report of Sardar Beant Singh State University, Gurdaspur.

The Government of Punjab vide Punjab Act No. 9 of 2021 established Sardar Beant Singh State University, Gurdaspur by upgrading Beant College of Engineering & Technology, Gurdaspur w.e.f. 1st April 2021.

Further, the University Grant Commission, New Delhi, has granted recognition under section 2(f) of the UGC Act 1956 vide letter F.No.9-13/2021 (CPP-1/PU) dated 21.5.2021 to the university. Accordingly, Sardar Beant Singh State University, Gurdaspur, is empowered to award Degrees as specified by the University Grants Commission under Section 22 of the UGC Act 1956.

Located in the border district of Gurdaspur, SBSSU plays a pivotal role in providing quality technical education to students from rural and semi-urban areas of Punjab.

It carries forward the legacy of Beant College of Engineering and Technology (BCET), with a base of experienced faculty and established academic disciplines which was established in the year 1995 with financial and administrative support by the Government of Punjab.

The University campus is spread over 78 acres of land in two parts; 69.5 acres Main University Campus and 8.5 acres Diploma Wing. The campus is having various academic and administrative buildings, 04 hostels for students, a residential colony, a shopping complex and other amenities.

CURRENT STATUS: ACADEMIC AND ADMINISTRATIVE OVERVIEW.

Academic Programs:

The University is offering following academic program in the faculty of Engineering, Sciences and Management.

S. No.	Programs
1.	**B. Tech.**
	Bio Technology
	Chemical Engineering
	Civil Engineering
	Computer Science and Engineering
	Electronics and Communication Engineering
	Electronics and Computer Engineering
	Electrical Engineering

	Information Technology
	Mechanical Engineering
	Mechanical and Automation Engineering
2.	**M. Tech.**
	Mechanical Engineering
	Computer Science and Engineering
	Electronics and Communication Engineering
	Environmental Science and Technology
3.	**B. Voc.**
	Refrigeration and Air Conditioning
	Agriculture
4.	**B. Sc.**
	Non-Medical
	Medical Laboratory Sciences
5.	**BBA**
	Marketing
	HR
	Finance
6.	**M. Sc.**
	Physics
	Mathematics
	Chemistry
	Medical Laboratory Sciences (Biochemistry)
7.	**MBA**
	Digital Marketing
	HR
	Finance
8.	**Five Year Integrated Programmes**
	B.Sc., M.Sc. (Hons.) Physics, Chemistry, Mathematics
	BCA, MCA
	BBA, MBA
9.	Bachelor of Computer Applications (BCA)
10.	Master of Computer Applications (MCA)

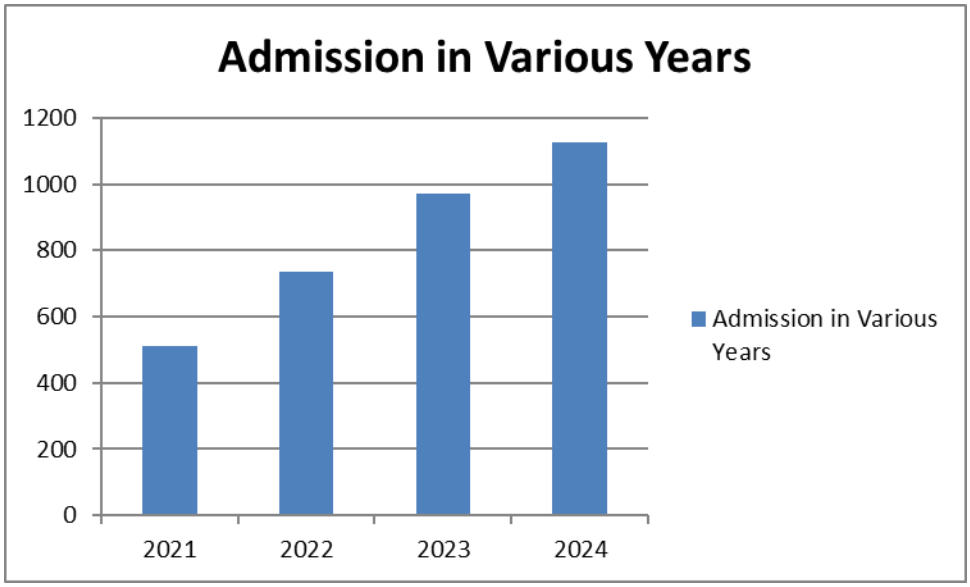
Admission Scenario

The University, since its inception, running U.G, P.G and PhD programs in Engineering, Management & Sciences and Diploma Courses in Engineering. The University is making conscious efforts to increase admissions in the university. These efforts have borne fruit, and the admission and student strength in the university have increased consistently.

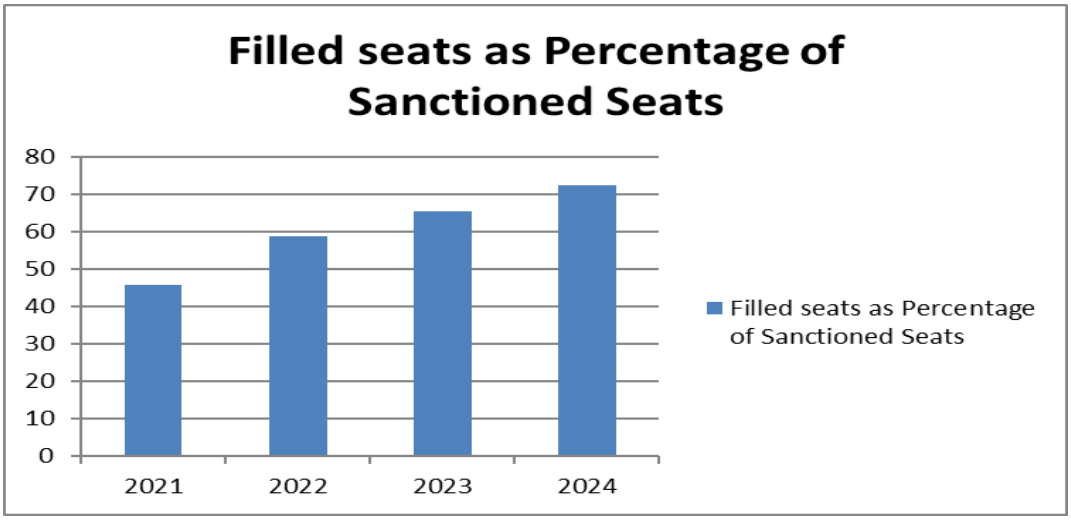
The table below shows the number of seats filled as well as the percentage of the total sanctioned intake.

2021		2022		2023		2024	
Intake	Admission	Intake	Admission	Intake	Admission	Intake	Admission
1127	511	1282	736	1509	970	1559	1126

The graph below illustrates the trend of increasing admissions in the university.



Not only has the number of admissions increased, but the %age of seats filled has also consistently improved, thereby increasing the optimization of resources. The graph below shows the admissions as a percentage of total sanctioned seats.



Ph.D Program: Ph.D. Programs have been started in the university w.e.f. the academic session

July 2021 in the following disciplines:

1. Electronics & Communication Engineering (ECE)
2. Mechanical Engineering (ME)
3. Computer Science & Engineering (CSE)
4. Computer Application (CA)
5. Chemical Engineering (CHE)
6. Biotechnology (BT)
7. Physics
8. Mathematics

56 students have been enrolled/registered in the PhD programs of the above disciplines.

Placement Cell

The Training and Placement Cell has been established in the university under the guidance of Training and Placement Officer (TPO) for facilitating students in their transition from academics to professional careers. Faculty from different departments is appointed as Assistant Training and Placement Officers (ATPOs) to assist TPO. The cell is actively involved in the placement-related activities of the students. The first batch of the university was started in 2021 and will be graduating in 2025.

Placement record of (2021-2025) Batch students till date is:

Sr. No.	Branch	% age Placed
1	Computer Science & Engineering	13%
2	Bio-Technology	62%
3	Electronics & Communication Engineering	14%
4	Mechanical Engineering	70%
5	Chemical Engineering	60%
6	Civil Engineering	25%
7	MBA	47%
8	Electrical Engineering	28%

Finishing School

A Finishing School has been established at the university in 2022 with the aim of bridging the gap between academic learning and industry expectations. This initiative focuses on enhancing the employability and overall personality of students through a structured series of training

modules and activities. These include personality development sessions, communication and soft skills workshops, interview preparation, corporate readiness programs, and training in aptitude and logical reasoning. In addition, mock interviews and group discussions are regularly conducted to build students' confidence and improve their performance in real-world selection processes. The Finishing School thus plays a pivotal role in grooming students into professionally competent and industry-ready individuals.

Centre for Innovation & Entrepreneurship

SBSSU-Centre for Innovation & Entrepreneurship (SBSSU-CIE) has been established jointly by District Administration Gurdaspur and Sardar Beant Singh State University Gurdaspur in the premises of this university. SBSSU – CIE has been registered as a Society under the Societies Registration Act XXI of 1860.

An Innovation and Startup Policy has been formulated by the university with the objective of fostering a vibrant ecosystem of creativity, entrepreneurship, and innovation among students, faculty, and staff. This policy aims to provide a structured framework and necessary support for nurturing innovative ideas and translating them into viable startups or entrepreneurial ventures.

Memorandum of Understanding (MoU)

To enhance academic collaboration, skill development, and career opportunities for students, the university has signed Memoranda of Understanding (MoUs) with a wide range of reputed institutions and industries. These MoUs facilitate academic exchange programs, joint research initiatives, faculty development, industrial training, internships, and live projects for students. Furthermore, these partnerships actively support student placement drives, contributing to improved employability and professional readiness.

S. No.	Name of the Organisation
1.	Indian Institute of Technology, Ropar, Punjab
2.	Cheema Boilers Limited, Sahibzada Ajit Singh Nagar, Punjab
3.	The Gurdaspur Co-Op. Sugar Mills Ltd., Paniar, Punjab
4.	Bharat Heavy Electricals Limsited, IVP, Goindwal Sahib
5.	Guru Gobind Singh Super Thermal Power Plant, Rupnagar, Punjab
6.	Markfed Catllefeed & Allied Industries, Gidderbaha
7.	Markfed Catllefeed & Allied Industries, Kapurthala
8.	Markfed Canneries, Adampur, Jalandhar

9.	Markfed Nawanshahr, SBS Nagar
10.	Markfed Agro Chemicals, SAS Nagar Mohali
11.	Markfed Vanaspati & Allied Industries, Khanna
12.	Institute for Machine Tools Technology, A-4, Focal Point, Batala
13	Air Force Station, Pathankot
14	Baba Farid University of Health Sciences, Faridkot

Faculty and Staff

Despite challenges, the university has retained a core group of committed and experienced faculty members who contribute significantly to teaching and institutional development. Several faculty members are with PhD qualifications. The faculty is actively engaged in teaching and research. Given below are the details of the faculty strength of the university.

Total sanctioned Faculty	133
Regular Faculty	40
Faculty on Contract Basis	11
Faculty on Consolidated Salary	18
Total filled faculty	69
Professors	13
Associate Professors	25
Assistant Professors	31
Vacant faculty positions	64

Other than faculty, total sanction of non-teaching posts is 80 out of which 37 posts are vacant in different teaching and non-teaching departments.

Patents Granted: 02 Patents have been granted in the name of the university.

Infrastructure

The university is having main campus spread over app. 70 acres. It has 04 Blocks accommodating 8 Academic Departments. There are 04 Hostels for the students (3 for Boys, 1 for Girls). All these blocks were made 30 years back initially at the time of establishment of college in 1995. Amongst the central facilities, there is a Central Library with more than 3000 books, Computer

Centre, Dispensary, Shopping Complex etc. It has residential colony with more than 100 houses of different categories. For recreation and extracurricular activities of students, there is Athletic Track, Lawn Tennis Courts, Volleyball Ground, Badminton Court and Gym facility.

ROADMAP FOR FUTURE GROWTH, REFORMS

The university has been striving for academic and research excellence. All its future endeavors will be oriented towards further strengthening of academic and research culture of the university and the holistic development of the students. The university would like it to be among the top universities in the coming years and remain committed to elevating this university as a beacon of academic excellence and innovation in this region. Considering status and all the challenges, we are proposing the following roadmap for future growth of the University. This will be achieved through a phased manner with sustainable growth model.

1. Modernizing Curriculum and Pedagogy

- **Interdisciplinary and Flexible Learning:**

The university intends to move away from rigid, outdated curricula and embrace interdisciplinary approaches, flexible learning models, and multiple entry-exit options. The university has already started five-year integrated programs in MSc Physics, MSc Chemistry, MSc Mathematics, MBA(Marketing/HR/Finance) and MCA with multiple entry and exit options. The university will use similar flexibility in engineering programs once AICTE issues relevant regulations for these programs. The university is also gearing up to integrate with online instruction like Massive Open Online Courses (MOOCs). More flexibility will be given to students to earn credits from MOOCs as a part of curriculum.

- **Incorporating Emerging Fields:**

The university will be integrating subjects in the emerging fields like climate AI, data science, biotechnology, robotics, EV and sustainability into core programs. Already, the university has introduced more computer-oriented subjects in all engineering specializations curricula. The university also offers minor degree in Data Science, Mechatronics, and Energy and Environment. The university will further increase the number of fields in which it will offer minor degree such as AI and machine learning.

- **Focus on development of Skill and Entrepreneurship minds:**

The university will emphasize on skill development in all programs, ensuring students are equipped with the necessary skills for the job market. The university also plans to start skill-based certificate

courses which will help the industry to get skilled workforce.

Entrepreneurship courses will be integrated across all academic programs to equip students with the skills, mindset, and knowledge required to become successful entrepreneurs. These courses will foster creativity, innovation, risk-taking, and problem-solving abilities amongst the students. The Incubation Center established in the university can handhold such budding entrepreneurs during the first difficult phase and also help them with the seed money if the students come up with viable projects.

- **Industry-Focused Engineering Programs:**

To reduce the gap between industry and academia, industry focused engineering pragmas will be introduced in collaboration with the industry in which students will spend more time in the industry to be industry ready. This will make our graduate employable and industry ready thereby increasing placement in the campus.

- **Launch of new age program:**

To equipped with new technology, the university will focus to launch program in Artificial Intelligence, Cybersecurity, Data Science Environmental Science, Agri-Tech, and FinTech.

- **Set up Center of Excellence (CoEs):**

To reap the demographic dividend, the university is planning to set up center of excellence in Skill Development, Entrepreneurship, Drone Technology, Robotics etc.

- **Faculty Development**:

To upskill the faculty with new age technology and teaching pedagogy, a continuous approach to conduct FDPs, workshops in collaboration with AICTE, UGC, IITs, NITs, IIMs, NITTTR, and international institutions to upskill faculty members.

2. Boosting Research and Innovation:

The university started Ph.D. in various disciplines like Engineering, Science and Computer Applications. Currently, the university has more than 50 research scholars. The university plans to take following actions in the coming years.

- **Strengthening Research Ecosystem and Industry Collaboration:**

The university will strive to create modern ecosystem for research and development and establish research center at the university. The university will further focus on fostering collaboration with other universities and industries and run joint PhD programs.

- **Focus on Patents and Publications:**

The university already has two patents and many research papers in reputed journals. The university will enhance its focus on patents, publications, and research collaborations to boost its national and global research standing. To promote Research, university-funded seed grants may be provided to faculty and encourage incentive-based research and publication grant.

- **Sponsored research projects:**

To encourage faculty members to apply for major research grants under: DST, DBT, ICSSR, AICTE-RPS, UGC-SAP, CSR projects etc.

3. Improve Infrastructure and Quality of Teaching

The university has good infrastructure as legacy of Beant College of Engineering and Technology. However, it will not be sufficient for planned expansion of the university. As the number of programs run by the university and the number of students are increasing every year, the university would need to add infrastructure for better experience of its students.

- **Smart Classrooms**

The university is still using the older infrastructure for classroom teaching such chalk and board. In the coming years the university would convert most of these classrooms to smart classrooms for better dissemination of knowledge to students. Installation of digital boards, Wi-Fi zones. Upgrading existing infrastructure with AR/VR tools, simulation software, and IoT devices.

- **Better Laboratories:**

Due to technological advancements in the recent past and to make students industry ready, there is an urgent need to upgrade laboratories of the university. At the same time when many other programs are to be introduced in the university, new laboratories will be established in the university.

- **Online education platforms**:

To launch blended learning teaching and develop digital content repositories. To integrate online learning with experiential and activity-based learning to enhance student engagement and outcomes, courses offered by MOOC, IITs, NITs and other national and international institutions may be offered to students.

- **Recruitment of Faculty and Staff:**

Due to the retirement of regular senior faculty and staff, many posts are temporarily filled as Guest faculty and staff through service providers. With increase in the number of programs offered and the increase in the number of students enrolled in the university, more faculty and staff will be required to improve quality teaching. Hence, the university will plan to recruit regular faculty and staff. This

will also help in better NIRF ranking of the university.

4. Implementation of National Education Policy

The university is gradually implementing National Education Policy.

- **Multiple Entry-Multiple Exit (ME-ME):**

Already, multiple entry and exit options has been implemented in various programs. Many Five-Year Integrated Programs have been started as per UGC regulations. More such integrated programs with multiple entry and exit options will be introduced. Once the AICTE regulations are available, National Credit Framework will be introduced in the university.

- **Increased GER:**

The university will offer more programs and increase enrolment in various programs. This will be another step towards achieving the National Education Policy's (NEP) 2020 goal of a 50% Gross Enrolment Ratio (GER) by 2035.

- **Academic Bank of Credits (ABC):**

Sardar Beant Singh State University has already started work on ABC so that all the data regarding the credits earned students is available at the online system and can be accessed anytime using APAAR (Automated Permanent Academic Account Registry) ID. This will facilitate multiple entry and exit introduced in various courses.

- **Introduction of New Programs**

The university plans to start new programs in the fields of Pharmacy, Nursing, Law, Education, and paramedical services. These programs will be introduced after taking requisite permissions of the respective controlling organizations, thereby benefiting many students from all over India, particularly belonging to the border belt of Punjab.

5. NAAC Accreditation and NIRF Ranking

The university was established in 2021 and the first batch of Engineering students graduated from the university in 2025. The university will apply for NAAC accreditation as soon as it is eligible to apply for NAAC accreditation and NIRF ranking. It will also strive to be among the top universities of India in the NIRF ranking. The university will also apply for UGC 12B status so that university can apply for funding in various scheme of UGC and faculty can apply for research grants.