

Key Indicator – 1.1 Curricular Planning and Implementation

1.1.1. The Institution ensures effective curriculum delivery through a well-planned and documented process

Shaheed Major Harminderpal Singh (Shaurya Chakra) Government College- a pioneering institution of higher education in SAS Nagar Mohali, Punjab is affiliated to the Punjabi University Patiala. The institution is continuously contributing to the academic excellence of the region. The foundational idea of the institution was to deliver quality education among students of rural area. The IQAC formulates the Academic Calendar much in advance so that there is sufficient time for the students and teachers to plan all activities well in advance. The academic committee plans the best methods to successfully implement the curriculum. With the primary aim of academic excellence, college also gives equal importance to inculcating moral values and character building among students. The planning and method of teaching are based on the needs of the course and curriculum. As courses of Commerce, Science require interaction with the industrial sector, so learned faculty tries to make possible such interactions through different events. Similarly, subjects like Environment and Road Safety Awareness, Psychology, Biotechnology and Home Science have provisions of field study, the college arranges surveys and study tours for students. Apart from these activities, the institution also tries to bring ICT methods in classroom teaching through smart classrooms.

1.1.2. The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

- The departments develop action plan for effective implementation of the curriculum. The syllabus is divided into month wise or unit wise plan or lesson wise so that study content can be delivered to students in time.
- The curriculum includes not only traditional class teaching but associatory methods such as Group discussions, seminars , video lectures, webinars, case study, mini projects, assignments, workshops, industrial visits and educational tours.
- Assessment is based on the Internal evaluation, attendance and behaviour of the students. Curriculum and Academic Calendar are provided by the University. Course plan is provided to the students at the start of semester itself. Class attendance registers are scrutinized by the Principal.
- Invited lectures by domain experts are arranged for the students. Industrial and field visits are organized to various places. Placement and career guidance cell also put all round efforts to get employment for the students through Job fairs.
- Periodical Feedback is obtained from the students on teaching and other related activities of the college.
- Students are encouraged to actively participate in N.S.S, N.C.C, Yoga Day, Republic Day, Independence Day.
- Faculty members of the college act as question paper setters, University Examination Evaluation team.

- 1.1.3. Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year

Year	2023-24
Number	10

- 1.2.1. Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1. Number of Programmes in which CBCS/ Elective course system implemented.

Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system	Link to the relevant document
BTHB3PUP	B.Sc. (Hons.) Biotechnology SEM-I: Chemistry 1	2018	yes	2023-24	punjabiversity.ac.in/syllabi/Academic Session 2021-22/Faculty of Life Sciences/Under Graduate Courses/B.Sc. (Hons.) Biotechnology Part-I (Sem. I & II) (New Paper Code).pdf
BTHB3PUP	B.Sc. (Hons.) Biotechnology SEM-II: Chemistry 2	2018	yes	2023-24	punjabiversity.ac.in/syllabi/Academic Session 2021-22/Faculty of Life Sciences/Under Graduate Courses/B.Sc. (Hons.) Biotechnology Part-I (Sem. I & II) (New Paper Code).pdf
BTHB3PUP	B.Sc. (Hons.) Biotechnology SEM-III: Chemistry 3 & Environmental biotechnology	2018	yes	2023-24	https://www.punjabiversity.ac.in/syllabi/Academic%20Session%202022-23/Faculty%20of%20Life%20Sciences/Under%20Graduate%20Courses/B.Sc.(HONS.)-BIOTECHNOLOGY%20PART%20-%2020(SEM.%20III%20&%20IV).pdf
BTHB3PUP	B.Sc. (Hons.) Biotechnology SEM-IV: Chemistry 4 & IPR, Entrepreneurship, bioethics & Bio-safety	2018	yes	2023-24	https://www.punjabiversity.ac.in/syllabi/Academic%20Session%202022-23/Faculty%20of%20Life%20Sciences/Under%20Graduate%20Courses/B.Sc.(HONS.)-BIOTECHNOLOGY%20PART%20-%2020(SEM.%20III%20&%20IV).pdf
BTHB3PUP	B.Sc. (Hons.) Biotechnology SEM-V: Chemistry 5, Animal biotechnology & Plant biotechnology	2018	yes	2023-24	https://www.punjabiversity.ac.in/syllabi/Academic%20Session%202021-22/Faculty%20of%20Life%20Sciences/Under%20Graduate%20Courses/B.Sc.%20(Hons.)%20Biotechnology%20Part-III%20(Sem.%20V%20&%20VI).pdf
BTHB3PUP	B.Sc. (Hons.) Biotechnology SEM-VI: Chemistry 6, Medical microbiology & Bio-informatics	2018	yes	2023-24	https://www.punjabiversity.ac.in/syllabi/Academic%20Session%202021-22/Faculty%20of%20Life%20Sciences/Under%20Graduate%20Courses/B.Sc.%20(Hons.)%20Biotechnology%20Part-III%20(Sem.%20V%20&%20VI).pdf

1.2.2 Number of Add on /Certificate programs offered during the year: 3

1.2.3 Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year:

Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Certificate course in instrumentation		2023-24	2	1 year (two semesters of 6 months duration each)	12	11 (students took admission in first semester but didn't enroll in second semester)
Certificate course in pharmaceutical chemistry		2023-24	1	1 year	41	41
Diploma course in pharmaceutical chemistry		2023-24	1	1 year	12	12

1.2.2. Number of Add on /Certificate programs offered during the year

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship	Link to the relevant document
A 30 Hours Skill Development Course: Miniature Painting		Fine Arts Course		2023-24	31 students	https://www.pdfFiller.com/s/OU8Uclut1

1.2.3. Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship	Link to the relevant document
Internship program in hotel management		Diploma in food production		2023-24	NA	https://pdf.ac/hJ6ctwd4
Internship program in hotel management		Diploma in food production		2023-24	Aakriti, Gurwinder Singh, Kanchan, Luxmi, Kartik, Kumari Sapna	https://pdf.ac/hJ6ctwd4
Internship program in		Diploma in food production		2023-24	Rajvir Kaur, Satnam Singh, Simranjeet Kaur	https://pdf.ac/hJ6ctwd4

hotel management						
Internship program in hotel management		Diploma in food production		2023-24	Harmandeep Singh, Gurpreet Singh	https://pdf.ac/hJ6ctwd4
Field Visit to Mata Gujri College, Patiala		B.Sc Biotechnology		2023-24	50 students	https://www.pdfFiller.com/s/rxANhwpr
Field Visit to Civil Hospital, Mohali Labs		B.Sc Biotechnology		2023-24	40 students	https://www.pdfFiller.com/s/lcsntNjh4

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to professional Ethics, Gender, Human Values, Environment and Sustainability into the curriculum:

The institution ensures that students are not only taught technical or subject knowledge, but also develop into responsible and sensitive individuals. This is achieved through two mandatory undergraduate subjects offered to all students irrespective of streams: Environmental Studies (EVS) and Drug Abuse. Through the EVS course, students comprehend the importance of the environment in daily life. They are introduced to concepts such as biodiversity, climate change, conservation, and sustainable development in a practical manner rather than merely as examination-oriented topics. To reinforce classroom learning, the college organizes several awareness-based and experiential activities. These include the celebration of Van Mahotsav to promote tree plantation, an environment awareness rally to spread public consciousness, and an environment and road safety educational trip to Children Park, Chandigarh. Academic exposure is further strengthened through a one-day seminar on bio-inspired innovations, a seminar on prevention and control of paddy straw burning, and the celebration of Ozone Day to highlight the importance of the ozone layer. Students also participate in a one-day tour to a botanical garden, which helps them understand plant diversity and conservation firsthand, and a two-day seminar on organic farming that emphasizes sustainable agricultural practices. Creative activities such as a rangoli making competition on viral diseases help students link environmental issues with public health awareness. The EVS course encourages students to reflect on the impact of their daily decisions, such as water and energy usage, waste generation, and consumption habits. Over time, it instills environmental concern and reinforces the idea that caring for the environment is both a professional responsibility and a personal ethical duty. In addition, the Drug Abuse course focuses on the values and ethical responsibilities of human beings. It explains the impact of substance misuse on health, families, and society, helping students develop awareness, self-control, and empathy. The course also addresses gender sensitivity and social responsibility by discussing issues such as peer pressure, stigma, and how substance abuse can affect different social groups in different ways.

Through these subjects and co-curricular activities, the institution plays a vital role in shaping socially responsible, environmentally conscious, and ethically grounded individuals.

1.3.2 Number of courses that include experiential learning through project work/field work/internship during the year: 4

Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship	Course code	Year of offering	Name of the student studied course on experiential learning through project work/field work/internship	Link to the relevant document
Internship program in hotel management		Diploma in food production		2023-24	NA	https://pdf.ac/hJ6ctwd4
Internship program in hotel management		Diploma in food production		2023-24	Aakriti, Gurwinder Singh, Kanchan, Luxmi, Kartik, Kumari Sapna	https://pdf.ac/hJ6ctwd4
Internship program in hotel management		Diploma in food production		2023-24	Rajvir Kaur, Satnam Singh, Simranjeet Kaur	https://pdf.ac/hJ6ctwd4
Internship program in hotel management		Diploma in food production		2023-24	Harmandeep Singh, Gurpreet Singh	https://pdf.ac/hJ6ctwd4

1.3.3 Number of students undertaking project work/field work/ internships: 15

Programme name	Program Code	List of students undertaking project work/field work/internship	Link to the relevant document
Diploma in food production		4	https://pdf.ac/hJ6ctwd4
Diploma in food production		6	https://pdf.ac/hJ6ctwd4
Diploma in food production		3	https://pdf.ac/hJ6ctwd4
Diploma in food production		2	https://pdf.ac/hJ6ctwd4