

EXECUTIVE SUMMARY

Education is one of the important components of human life. Human beings spend a considerable part of their early life on getting education or in acquiring life sustaining skills. What he acquires in formative years may wither away in a fast changing world of technology by breathtaking technological innovations and coping with these either keep one in main stream or dump on the shore, be it in formal or in informal sectors. One's ability to adjust with innovation depends on he/she was shaped by the institutions. A one and half decades associations with varying learning institutions creates a collage of long lasting impressions on young minds but the first and last impressions are etched more deeply than the middle ones.

The educational backwardness coupled with under economic development characterized then Uttarakhand as one of the most backward and awesome region of India. The formal higher education to native of pristine land was only available in big population centers of southern adjoining plain region like Haridwar, Roorkee, Chandigarh, Lucknow to name a few. The problem was understood by the Dayanand Shiksha Sansthan 115 years back and decided to step in the region and llluminate the particularly more backward region of present Uttarakhand state i.e. Garhwal region.

The D.B.S. (P.G.) College, Dehradun established in 1961 in a world famous foothill valley in centrally located sacred Himalaya mountain. The Dayanand Brijendra Swaroop College, D.B.S. (P.G.) College, has a status of 2 f and 12 B. The college is located on ancient flood plains of river Rispana in the central part of Dehradun city. It was initially affiliated to Agra University, later affiliation was switched to Meerut University and again in 1973 it was affiliated to present HNB Garhwal University, Srinagar in 1973; a Central university now. The college came into roll of grant-in-aid category in 1974. The college is recognized as Centre with Potential for Excellence, CPE, by the UGC IN 2011 and was CPE status was extended till 2018 and by the Department of Science and Technology as FIST college.

OUR VISION:

In the era of knowledge, where knowledge based activities are controlling the economic development of country, therefore centers of knowledge bear heavy responsibilities in dissemination of knowledge by coping with explosive growth in every domain of the knowledge.

The college vision is guided by this cardinal principle. The college is guided by the vision of Arya Samaj, which give prime importance to education without which modern India cannot be dreamt. Equality, rational thinking pride in glorious past, Vedas as fundamental source of knowledge are basic ideals of the Arya Samaj. The vision of the college is to provide quality education, value system and develop quest for excellence and global competence among the students in tune with national Higher Education policy and to encourage the over-all personality development of the students thereby increasing their abilities, creative talent and excellence. The affordable and quality education to deprived region of the then Uttar Pradesh. Since creation of Uttarakhand in 2000, college is assiduously maintaining its prime position and dons the stature of role model for fellow institutions. In the era knowledge based economy any slackness in imparting knowledge to students may prove to be a serious lapse in future, therefore all attempts should be made to make aware latest development and their relevance in national as well as global context. The defining vision of the institution is positive academic environment, sanctity of examinations and timely coverage of courses in the class rooms and peaceful campus that provide stimulating setting for intellectual pursuit. The College administration and leadership is committed to provide continuous and healthy learning environment, good sports and supporting facilities for the students to achieve academic excellence, integrity, self esteem, equality, and respect for nature, humanity and employability

OUR MISSION:

- To enhance the human capabilities and potential to the fullest extent and achieve the excellence by enabling students to be more creative and innovative by using emerging technologies in the field of higher education and research at the same time conventional methods of imparting knowledge cannot be overlooked because its simplicity and effectiveness.
- To help disadvantaged groups, such as woman, SC, ST, OBC and minority as well as of interior region so that they can improve their performance in studies and get the rightful place in the society by blooming their potential.
- Strengthen physical and academic infrastructure and human resources of the college by incorporating modern means of teaching and learning aids such as NM- ICT and Edu-Sat.
- To facilitate overall development of the students by quality education.

- To eradicate prejudices and shyness and to ensure equality for all.
- No discrimination on the basis of sex, caste, creed, gender, region and religion.
- To inculcate sense of responsibility, character building, spirit of cooperation and empowerment of women for self esteem, thought building of equality and strength.
- To provide soft skill education to help students in developing proficiency and abilities which will further inculcate self confidence, decision making power & leadership qualities in them.

Vision and mission is communicated to the students, teachers, staff and other stakeholders through prospectus, college magazine, personal interaction and meetings with stakeholders. Efforts like seminars, workshops, guidance to individual students, celebration of national festivals, debate etc. are organized by the institution to familiarize the vision and mission among the students, faculty, nonteaching staff, parents and general citizens of the society. The parents of the students and other members of the community are also invited in such functions.

At induction level in BA/BSc first year a big and valuable opportunity is offered by the NSS/NCC /Rovers and Rangers, these are opted by most of the freshers, various camps in these activities provide time for in-depth interactions and exchange of views including discussions on college's mode of working and expectations.

Criterion-wise Summary

1. Curricular Aspects:

The college has adopted CBCS system of HNB Garhwal University in 2015 and papers prescribed in the university syllabus are taught in the various programs. College emphasizes that faculty should teach entire syllabus in time bound manners. This is best practice of the college that courses are covered in the class rooms. This is monitored by the principal regularly and before the I sessional exams nearly half of the course is covered and in the II sessional exam 80-85% course is completed in PG and in UG classes; many teachers follow conventional method i.e. using chalk and black board. In class rooms, teachers site local example to connect well with the taught, attendance are regularly taken that gives control over the students, I cards are frequently checked by the proctorial board and principal and students are permitted to take three books from the library and for meritorious students principal this number may increase and students are encouraged use library facilities to full extent and for PG students there is no

restriction of books issued from departmental libraries. Students are taken in the field as per demand of the subject and are also sent for project or dissertation work at least for two months. BSc I year is divided into six sections and BA in two sections, students who are having genuine problem may allow to change the sections, at time students may be allowed to attend a particular subject in different sections, they may consult teachers in their free time, extra classes are taken when teacher has taken long leave, usually when a teacher is on leave his/her classes are taken by other faculty members of the departments. In BA students have option to choose any two subjects from seven subjects but in science option is limited i.e. they have choice to select Geology by leaving one subject; however students have wide choice in skill enhancement. Inter disciplinary courses or papers are available at PG levels in many subjects such as geology, botany, zoology, physics, economics, geography etc. Holistic development of students is guiding doctrine of the college.

2. Teaching-Learning and Evaluation:

In the matters of admissions College fully follows rules and regulation of the university and the state government College offers stiff competition in admission normally for each seat six to seven applications are received. Thus considerable diversity exists in the campus. To fill up nearly one-third academic positions College is in correspondence with state government to lift the ban once the ban is lifted students-teachers ratio will be around 1:40. College has every facility for Divyangjans and horizontal for them but most of the quota remains unutilized.

More than ninety percent teachers are doctoral degree holders, The average experience of the faculty is around 10 years. Many teachers have been honored in extensional field. Nearly half of the faculty is from other states.

The college has to take two sessional examinations at PG level and one at UG level in theory and one in practical both in PG and UG in every semester. Questions are asked as per papers format of the. Answer scripts after evaluation are shown to them and possible improvements are discussed and proper reading resources are suggested. College adopts university calendar in matter of admission and examinations with minor modifications if required and decides in broad framework of university calendar different activities like vacations, sessional examinations, elections, students' union function etc.

The program outcome is internal discussed within the faculty at individual level, departmental level and college level among teachers and between teachers and students in class room and with

students body and college administration. The pass percentage in PG is almost 100 percent; occasionally some students on the ground of health or family matters get carry over. In UG classes particularly in final years, it is above ninety five percent. A good number of students leave the college in first and second year either they get admission elsewhere or got some jobs. Students satisfaction survey is done regularly but informally. Formal survey through questionnaire is also done but frank and instant opinion is obtained in one to one discussions or in group discussions in class room, camps and in outside interaction.

3. Research, Innovations and Extension:

The college faculty undertakes research as a matter of commitment. Several faculty members are implementing projects given to them by the DST/UGC/CSIR/UCOST and other organizations. Nearly forty percent faculty members are approved research supervisor of the HNB Garhwal University and are guiding to variable number of students. At present three teachers are having major research projects and three post-doctoral fellows are working in the college.

College is imparting knowledge of remote sensing and English language through dedicated earth science and language labs. The earth science lab runs ISRO's courses of the two/three months duration and after evaluation successful candidates are awarded certificates. College is very particular about plagiarism and malpractices, teachers and research scholars have strict instruction not to indulge these practices as they will bring bad reputation to institutions. College working is controlled by the university and government rules and regulation where no such incentives for recognition /awards are available, hence college is not in position to offer these, however college s providing all possible facilities to good research workers like separate rooms, lab etc. at present three to four students awarded doctoral degree per year from the faculty's supervision. Every year 20-25 research papers are either published or presented in the seminars. College faculty writes books, edits books, and write papers in journals and in edited volume.

College has number of extensional activities centers like NSS, NCC, Rovers and Rangers, besides Swachh Bharat Abhiyan and college students are time to time called in various state government activities like Rispana river rejuvenation, Shaurya programs, rallies against drugs and illiteracy, traffic sensitivities, blood donation etc. these activities have made significant impact in society and teachers are duly rewarded particularly of NSS, NCC, college fulfils all mandatory requirements of these programs. Nearly all students under graduation first year participate in these activities; however participation is restricted to one event only.

College has no formal collaboration with any institute but because high academic reputation, college students and faculty gets preferential treatment in matter of selection. Our students are regularly doing project or dissertation work in ONGC, IIRS, FRI, WIHG and local industries.

4. Infrastructure and Learning Resources:

As per sanctioned strength of students, college has adequate class rooms (18), labs (12), two auditoriums, shared or independent rooms for faculty and separate offices for games, examination, NCC/NSS and all other major activities and a multi utility ground for sports and functions. Three more rooms may be added this year. College enthusiastically participates in all major sports activities of the university like cricket, volley ball, base ball, boxing and having a gymnasium. Yoga is done in NSS camps and for cultural activities practice is done in auditorium. Campus is Wi-Fi by the Speed air and Jio network; some are smart class rooms and ICT facilities available in several class rooms cum laboratory. College annually spent a million rupees of development and maintenance for infrastructure.

Library has now 37828 books, this year more than 7922 in 2011 and 2500 in 2018 books have been weeded out. It is automated (93%) by the INFO software. Teachers individually have memberships of hard and soft journals but library does not and as such there is no e resource like thing in library. Funding for library comes from either fee or from the grants of UGC/DST. In last five years college purchased 4703books worth of Rs. Ten Lakhs, journals are excluded. PG faculty gets books from their departmental libraries and UG teachers from the Central Library. Nearly 200 students avail books per day while in reading room is full of its capacity 170 students.

Campus has Wi-Fi service (<5 mbps band width) and has over 80 computers and laptops. Two computer facility centers are available with 21 and 8 sets and each department has its own computing facility but no media center or recording facility. These are routinely maintained by a vendor.

A construction cum maintenance committee looks after the routine maintenance of the campus. For major expenditure prior permission of the BOM is taken. Since college is grant-in-aid college, all purchases are done as per procurement rules of the Government of Uttarakhand by inviting three quotations and committee approves lowest one.

5. Students Support and Progression:

The college maintains the SC/ST/Minority scholarships records as applications are processed by the college, however, in other scholarships such as INSPIRE, army, police department, Nanda Goradevi, ONGC, banks, and in others college forwards the forms only. Students also get scholarships from Khanna Trust, University Women Association, University and other private bodies. Nearly 40 percent students avail some kind scholarships. College offers full and half freeships, this being a paltry amount students hardly takes any interest. College has facilities for language lab, placements and training cell, NSS etc. to impart skills large number avail benefits and every year at least one student qualifies UPSC Geologists' exam and students also get selected in UPSC/PSC and other services as well as commissioned officers in army. Students have many forums like anti ragging, harassment, Proctorial board, HOD's and Principal they can vent their grievances. The exact status of passed out students employment is not available but all gets meaningful position in a year. The result of the college is very good, college offers progression opportunity to only 40 percent students in PG classes from UG. NET/SLET and GATE are popular tests undertaken by the PG students, every year college forwards over 300 applications for these exams, however, record is not maintained. One or two teams bring championship from university events. Students union is quite active and is guided by the election incharge. Students union invites political leaderships in their functions and requests them to sanction and obtain funds for development. The alumni association is active and once in a year calls their general house and couple of executive meet, association offers scholarships, facilitate teachers and employee and organizes lectures.

6. Governance, Leadership and Management:

The vision and mission of the college is mentioned in the beginning of this chapter. College involves every teacher in some kind of activities (displayed in prospectus) according to capabilities. They have freedom to select their own teams and take appropriate decisions under the policy framework of the college. Thus decentralization is practiced in letter and spirit. Every year at least two meetings of all teachers and employees are called to discuss forthcoming issues and decisions are taken. Principal also call several meetings of HODs' and of various committees to take decisions pertaining to matters. College has successfully implemented transparent system of online admission. E-governance is implemented successfully in examination, admission and

administrations. All committees maintain their own records. One of the success stories of the college is peaceful student's union elections under the strict implementation of Lyngdoh's Committee report. College offers free medical checkup facilities and financial help through Benevolent Fund, library and sports/gym facilities. All teachers have done mandatory requirement of orientation and refresher and other professional courses. Appraisal system is for teachers available as they have to file their annual performance for grade pay change. College accounts are duly audited by the external and internal auditors. IQAC cells composition and minutes are filed in AQAR report and is available on website of the college.

7. Institutional Values and Best Practices:

The college treats female students and teachers with utmost respect in general and organizes seminars of women empowerment, gender sensitivity, female literacy human rights in and out of college, please see AQAR reports. A 25 KW solar power plant is working in the campus that meets 80 percent power requirement. Seventy percent lightening requirement has come down due LED bulbs and tubes. All waste is properly disposed off, no activities creating pollution is permitted. College is situated on erstwhile river bed, therefore underlying material is highly porous that absorbs water naturally and a big open pit and rain water is diverted in it. The preferred mode of transport is personal vehicle. However all other green practices is followed. Greenery of the campus is maintained from public facilities offered by government wings and little expenditure is done by college. A part time gardener looks after greenery of the campus he was helped by NSS/NCC. College is situated in the core part of the city hence accessibility is easy but horizontal growth is not at all possible. College makes lot of contribution for local communities by taking awareness programs like Swachh Bharat Abhiyan, NSS, Rovers and Rangers etc. College has adopted the code of conduct for teachers given in the first statute of the HNB Garhwal University.

Core value is displayed in website of the college. College follows guidelines issued by the management, government and university in matter of day to day activities.

To inculcate national feeling and pride in culture and social system of our country, we celebrate all important birthdays and national days with great pride and organize appropriate functions along with this time to time college through various forums organizes personality development programs focusing on promotion of competitiveness and ethical and moral values. Budes are

allocated for different activities as described in fee detail given in prospectus in transparent manners as per proportion.

The two best practices of the college are maintenance of high academic standard and holistic development of students, we are fully committed for these.

SWOC Analysis

Strength- The college is one of the oldest and reputed academic and research institute in Uttarakhand state. College attracts students from far flung areas of the state as well neighboring regions. It is known for high academic standard, good laboratories and an excellent central library and several PG Departmental libraries. It first choice of meritorious students and scores of students receive INSPIRE fellowship of the DST. College offers wide ranging facilities of cultural, physical, sports fields. Faculty is known for its commitments and dedication. It is one college where examination sanctity is thoroughly maintained. First admission merit list closes at 94.0% in PCM combination while last admission is made on 85% in same combination. The result of final year students ranges between 94 to 100%.

Weakness

Our identified weakness are space constraints, unable to fill up vacant posts, both teaching and non-teaching due to government intervention, very high fees (Rs 32 lakh for each subject) as guarantee money to start the professional or job oriented courses of Sri Dev Suman Uttarakhand University which college cannot afford to pay, very lengthy and uncertain examination schedule, introduction of skill enhancement courses without fresh recruitment of faculties, excessive burden of internal sessional evaluation in some subjects, less fund for purchase of hard copy of books and journals, very low fee structure (<1800 rupees/student/year), inability to give big push to digitized approach in academics, e library, participation in NPTEL, virtual labs, MOOC and other similar activities.

Opportunities

The college is strategically located at the gateway and interim capital of Uttarakhand where convergence is must, therefore everyone search hassle free suitable shelter and city offers good A to Z educational opportunities. The decline in interest for professional education particularly in engineering stream has rejuvenated choice of science among brilliant students. This has not only

improved academic environment in the campus but also created opportunities to nurture well taught. Low fee structure is a kind of boon for economically weaker students to excel in conventional education. Dehradun hosts many internationally known scientific institutions like WIHG, IIRS, FRI, WLII, IIP, ZSI, BSI, GSI, CGWB etc.; a fruitful tie up will strengthen the academics. In and around Dehradun, the natural setting offers ample opportunities for fieldwork in mountain geology, botany and forestry.

Challenges

A lot of time goes in admission and examination related work, results are declared late, students from interior of hill take more time after vacations or long holidays to arrive and adjust and shows initially shyness in dealing, particularly science students of Hindi medium find lot of difficulty in understanding in English, difficult to maintain physical facilities in labs and building due very low fee structure at all levels, no in-house fund for vertical building expansion therefore all expansions in recent years were undertaken through MP/MLA funds. Recruitment of faculty is often put to hold by the directives of state government that creates not only shortage of man power but also of specialization thus academic diversities is constrained and impact of this ultimately

We are working for and taken as challenge to get fund from CSR of ONGC having headquarter here for replacement of 20000 sq ft tin shaded roof by RCC roof to grow for vertical expansion and also to tap fun from Rashtriya Uchchattar Shiksha Abhiyan (RUSA) where college get up to Rs. 2.0 Crores. Another challenge is to motivate faculty to long for more major research projects those indirectly upgrades the labs. Additional information – with rich tradition of dedicated services to upliftment and spread of higher education particularly to backward and deprived sections, college reaffirms its commitment by providing conducive environment and professional competence to students. College wishes to start more professional courses at affordable fee structure e.g. college is charging much less fee in courses like microbiology, biotechnology etc. in comparison to other institutes.