

HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY



Self-Study Report 2015

Part I Profile & Criteria-wise Inputs



Submitted to
National Assessment & Accreditation Council
Bengaluru

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PREFACE

Assessment of the actions, programmes and performances of any organization is utterly important in setting benchmarks for achieving excellence. Higher education institutes are no different in this regard. The accreditation of higher education institutes in India by the NAAC has definitely augmented the overall quality of these seats of higher learning.

Indeed, the NAAC has given us an opportunity to re-assess ourselves to set the goals and standards leading to the achievable targets, especially in imparting higher education to the stakeholders in today's information technology driven world where the knowledge is linked with skills for better job opportunities.

The teachers, students and the employees of the University feel satisfied to be able to live up to the expectations of the society in imparting quality education through training and skill oriented efforts. The University with its mandate to make higher education accessible to the masses in the remote and distant corners of the mountainous regions of Garhwal, has firmly and surely taken quantum stride in the direction.

Since the first Cycle Accreditation (2003), the University has undergone a major transformation in its status as it was converted to a Central University in 2009. The University in its transition phase during the initial period of conversion, had to face a number of obvious issues which slowed down the desired pace of development in terms of initiatives undertaken for achieving excellence in academics. Nevertheless, the University is all set for the second Cycle Accreditation by NAAC in 2015.

It is our pleasure to submit our Self Study Reports (SSRs) to the NAAC, Bengaluru with the submission that HNB Garhwal University has made steady progress in terms of its academic, research and extension activities at national and international level.

The Steering Committee constituted for preparation of Self-Study Reports has worked hard in compiling, analyzing and summarizing the information collected from the three campuses and other sections of the university according to guidelines provided by NAAC.

We look forward eagerly to welcome the Peer Team.



J.L. Kaul
Vice-Chancellor

VISION

To achieve excellence by empowering all stakeholders through promotion of innovations in the field of higher education by imparting training and education, and encouraging research for the development of the country with specific attention to the mountain region.

MISSION

To stimulate the academic environment for promotion of holistic learning and research and to contribute to the nation's growth. To inculcate values and impart skills for shaping able and responsible individuals committed towards the intellectual, academic and cultural development of society.

EXECUTIVE SUMMARY

Hemvati Nandan Bahuguna Garhwal University came into existence as a State University in Uttar Pradesh on 1 December, 1973. It has a rare distinction of taking birth through a powerful popular movement during early seventies in the last century. This movement symbolized the hopes and aspirations of the masses of Garhwal for the development through the instrument of higher education. The people of this remote mountainous region agitated for opening a University at a small but historic town of SRINAGAR. It was an expression of the quest for empowering their future generations for overcoming the economic and social backwardness, geographic and environmental constraints, re-assertion of cultural identity and harnessing of the local natural and human resources for development.

The University has subsequently been converted to Central University by an Act of Parliament i.e. the Central Universities Act 2009. The University has thus been entrusted with new responsibilities to guide its students, faculty and all other stakeholders to achieve excellence in academics and strive for all round development of students. Since its inception, the University has shown commitment towards regional and community development which is inherent in its teaching courses, research agenda and other outreach and extension initiatives. The inspiration derived from circumstances of its genesis still motivates and promotes its vision.

Nestled in the lap of the Himalaya, the University is a residential cum affiliating institution of higher learning with its jurisdiction over seven districts of Garhwal region of Uttarakhand. The University has three Campuses distantly located from each other - Birla Campus, Srinagar Garhwal with its extension at Chauras Campus, B. Gopal Reddy (BGR) Campus, Pauri and Swami Ram Teerth (SRT) Campus, Badshahithaul, Tehri. In addition, there are 159 colleges and institutes affiliated to it. In the year 2014-15 more than 1.5 Lac students were enrolled in the University in its Campuses and affiliated colleges and institutes. Of this, the students enrolled in the campuses were 10,513 during the period.

In all the three campuses of the University undergraduate, post-graduate and research programmes are being offered in different disciplines. The University has re-organised its academic units by establishing 14 Schools of Studies out of which 11 are in its campus. In all the university offers 121 UG, PG, Diplomas and Certificate programmes/courses in its three Campuses, besides Ph.D. in 37 disciplines. These include, in addition to the conventional courses under different streams, some courses relevant to the mountainous region *viz.* Rural Technology, Folk and Theatre, Himalayan Aquatic Biodiversity etc.

The University serves the Garhwal region, ranging from highly modernized urban setting with benefits of technological advances to traditional and impairing rural social environment with limited assets. Further, it caters to generally middle-class, lower middle-class, and economically weaker sections of society. The University operates in the natural environment ranging from the crowded cities to the blessed calm serenity of Himalayan environ rich in biodiversity, quiet atmosphere, conducive to good health and pursuit of knowledge.

The background of students seeking admission in the University varies from, at one extreme many reputed private schools of Dehradun and Mussoorie, to many government schools in rural and inaccessible areas lacking basic infrastructure, human resource and facilities, on the other.

The University has set its objectives to disseminate and advance knowledge by providing instructional and research facilities in the areas of humanities, social sciences, science and technology and other branches of learning; to take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research; to educate and train manpower for the development of the country; to establish linkages with industries for the promotion of science and technology; to create mass awareness regarding environmental conservation; and to pay special attention to the improvement of the social and economic welfare of the people.

Keeping this in view, the University is focussed to: achieve excellence in higher education and research relevant to the nation and the mountain region in particular; adopt innovations for expansion and inclusion in teaching for better outreach to rural areas; promotion & develop extension as third dimension of higher education.

At present the University has 01 Autonomous College, 02 Colleges with Potential for Excellence and 20 NAAC accredited colleges/ institutes affiliated to it.

The University is steadily but surely working to accomplish its vision and mission in true spirit. The Summary of the Criteria-wise Self Study Reports of the University is as follows:

CRITERION I: CURRICULAR ASPECTS

HNB Garhwal University, keeping abreast with the world wide trends in the sphere of higher education, the advancements made in application of information technology and the requirement of the industry and society at large, continuously strives to revamp and redesign its curricula. Further, the employability, innovation and research needs are taken into account while designing the curricula. As all the major stakeholders along with the academic experts are involved in the process; innovation, expansion, excellence and

inclusion are the key elements to balance the spectrum of needs fulfilling the aspirations of the society. Considerable amount of autonomy is given to the faculty at the level of departments for planning and developing of the curriculum.

The University has 49 teaching and research departments under 11 Schools. The University offers as many as 121 academic programmes through its departments. This includes 47 UG, 53 PG, 07 PG Diploma, 06 Diploma and 05 Certificate programmes. The University offers 02 M. Phil. and 37 Ph. D. programmes (both pure and interdisciplinary) on full time basis in its three campuses. The Choice Based Credit System (CBCS) was introduced in all the PG programmes of the University in the academic session 2011-12 and now it has been implemented in UG w.e.f. the academic session 2015-16. With the implementation of the CBCS system, there is more flexibility to introduce new programmes and also, to enhance employability skills of the students. Further, innovations in the curriculum have been made by restructuring all the Board of Studies (BoS), which is a vital link between the University and the academic programmes. Notably, during the last four years, 08 new programmes have been introduced, i.e. 07 UG and 01 PG.

The curriculum is reviewed regularly through the BoS so as to discuss the elements of enrichment and modifications along with the removal of obsolescence, keeping in view the emerging trends to make the research substantial in terms of its social relevance. For example, the departments of Business Management, Environmental Sciences and Geology have included Disaster Management course to sensitize the students. There is academic flexibility, for the students, in terms of choice of subject combinations as per the guide lines of the UGC. Some departments offer career-oriented add-on courses like DASPM and Computer Literacy courses to ensure employability. Likewise, the concept of Community College has taken a shape in the University in consonance with NVEQF for providing skill development programmes. Moreover, the flexibility in terms of opting subjects, at PG level, is provided in some of the selected areas of social sciences, arts and engineering schools, e.g., any graduate, through entrance examination can seek admission to PG course in Social Work, Management, Mass Communication, and Theatre and Performing Art. Furthermore, all PG programmes offer enrichment courses as Self Study Course in advance field of the subject, which is mandatory for students.

Though there is no explicit policy and strategy for attracting international students, they may select any of the programmes offered by the University. Moreover, the Department of Defense & Strategic Studies have developed a PG Diploma Course in 'Military and Defense Management' for Gentlemen Cadets of Indian Military Academy (IMA), Dehradun which includes candidates from friendly countries.

After completion of the semester courses, feedback is obtained from the students regularly and periodically through PDCA. Feedback on curriculum is sought from eminent national faculties as expert members in the BoS, whereas faculty member from abroad, during their visits to attend the seminars, conferences etc. also give their suggestions during the informal discussions on the curricula. The University is committed to achieve excellence in academics; in this regard academic audit of the departments is on the anvil.

CRITERION II- TEACHING-LEARNING AND EVALUATION

The admission of students at HNB Garhwal University is a completely transparent and student-friendly process, right from the publication of admission notification, in leading national newspapers (both Hindi and English) and on the website of the University, to the declaration/publication of entrance examination results (in case of PG, M.Phil. and Ph.D. programmes) and final counseling/interview. For UG courses, the Admission Committee constituted by the Deans of Schools and consisting of faculty members prepares merit list after thoroughly scrutinizing the admission forms and the list is displayed on the notice board. In case of PG, M. Phil. and Ph. D. programmes, entrance examination is conducted at all India level and the scores of all the candidates are displayed on the University website. An Admission Committee duly approved by the Vice Chancellor consisting of Dean, Head of the Department and faculty members prepares the merit list, on the basis of which candidates are intimated for counseling via email, telephone and by post.

The University scrupulously implements reservation policy of the Central Government in the admission of students and the meritorious SC/ST/OBC/PH candidates are duly considered as per their merit which is not counted against their respective reserved seats. Besides, there are many schemes—free-ships, scholarships, reservation of seats in hostels, remedial coaching etc. for eligible students.

The University reviews its admission process and student profile annually in all the statutory and non-statutory bodies. A meeting of the Admission Committee of the University is convened under the Chairmanship of the Vice Chancellor comprising Deans of the Schools, Heads of the Departments, Officers of the University, Principals of the affiliated colleges, DSW, COE etc. to discuss the issues related to admission and review the demand of the courses every year before issuing notification of admissions. In an exceptional case like in 2013 disaster, the University increased 20% of the seats to cater to the needs of the local people displaced by the unprecedented flash floods in Kedar valley of Uttarakhand.

The University has its mechanism to address the problems and issues of students due to wide diversity of backgrounds and potentials through

sensitization and motivation. It also offers free coaching to the students preparing for various competitive examinations.

Learning is made student-centric by adhering to learning activities like mentoring, tutorials, group-learning, seminars, assignments, interaction with national and international experts, role-plays, collaboration with industry, field-trips, and involvement in project work and dissertations from the undergraduate level onwards. Apart from this, many departments have smart classrooms well equipped with internet facility to make teaching and learning effective. The UGC INFLIBNET facility also helps the students, researchers and faculty members to access and update about the latest developments in their fields.

The University has a pool of qualified teachers in all the cadres to meet the requirements of the curriculum, however, the newly sanctioned posts of teachers in all cadres are yet to be filled up. For this, the process of recruitment is in progress. The University extends full support, including financial assistance, to enrich and enhance its faculty by allowing them to attend orientation and refresher courses, national and international conferences, seminars etc. The departments are also provided financial assistance to organize seminars/workshops/conferences.

All the Ordinances, Rules and Regulations regarding examination and evaluation process are reviewed and updated regularly and made available on the University website to maintain transparency and accountability. The examination section is well-staffed and well equipped to conduct the examinations and declare results as per schedule. In order to streamline the process of examination, the University has adopted an IT support system. Generation of roll list and admit cards, processing of evaluated awards sheets and declaration of results is completely computerized. There is provision for review and redressal through Grievances Redressal Cell and Right to Information Act making the system more transparent.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

Research has been accorded high priority since the inspection of the University. A fact, aptly supported by the fact that more than 90% of the faculty members have doctoral degree and are actively involved in research, as evident by more than 2400 papers published by them in national and international journals during the last four years. Some of these have been published in high impact journals.

The University offers admission to Ph.D. programme in 37 disciplines in its three campuses through All India Entrance Test and the admitted students undertake a mandatory Pre-Ph.D. course as per UGC Regulations 2009. The quality of the research is ensured mainly by the Board of Studies (BoS) and Academic Council. Further, the annual assessment of the progress of the work

and subsequent Pre PhD thesis submission presentation has certainly enhanced the quality of research. As such, during 2010-2014 the University has produced 954 Ph.Ds in various subjects. All the Ph.D. scholars are paid fellowship and contingency for pursuing their research. In addition to it, many receive fellowships/scholarships (NET, Rajeev Gandhi Scholarship etc.).

In order to promote inter-institutional/ interdisciplinary collaborations the University has signed MoUs with 12 Universities/Institutes/ research organizations. Some of these also facilitate student and faculty exchange. The research in the University has been ably supported by the projects sanctioned to the faculty members by funding agencies like UGC, ICSSR, CSIR, DST, DBT, MoA, MoEF, GBPIHED etc. It is noteworthy that research projects worth Rs. 15.80 crores have been completed, while projects worth Rs. 5.03 crores are ongoing in the assessment period. The research activities including project/dissertation work of students have been strengthened further by the yearly grants allocated to the departments for procuring consumables, equipments and books, i.e. more than 17.65 crore during 2010-2014.

Research in emerging disciplines is encouraged along with focus on the regional and global aspects like Himalayan ecology, climate change & impact assessment, biodiversity & conservation biology, history & environmental archaeology, sociology, tribal studies, humanities etc. Recognizing the research potential of the departments of Chemistry, Forestry, Geology, History and Archaeology, Physics, Political Science, Tourism and Zoology & Biotechnology, special assistance for establishing facilities have been sanctioned under UGC-SAP, DST-FIST, DBT-HRD and ICFRE.

The faculty of the University provides specified consultancy service outside the University; the academic and financial benefits are shared with the University. This not only develops infrastructure but is also helpful in developing long term relationship with the industries.

Recognizing the potential of the University in providing consultancy in specified areas, MoEFCC, Govt. of India has recognized this University as one amongst the 13 universities of the country eligible to conduct biodiversity impact study for the Hydropower projects. Department of Forestry and Natural resources has been recognized at the national level for providing consultancy services in Environmental Impact Assessment and Biodiversity Assessment. Notably, during the assessment period more than Rs. 1 crore has been generated through consultancy. Moreover, the students involved in the process get benefited and many have chosen this applied field as career.

Disseminating research outcome to academic fraternity and user agency is given priority at different levels. In this regard, the university has organized about 200 seminars/conferences/ workshops/ training & sensitizing programmes during the last 4 years. This not only motivates young researchers and students but also gives them the opportunity to develop linkages with scientists and academicians through interaction during seminars, workshops

etc. Moreover, the University also publishes research journals in the field of Tourism, Management, Sciences and Social Sciences for dissemination of the research outcome of the University.

It is worth mentioning that the faculty members have received honours at national and international levels. Many are fellows of prestigious academic bodies (National Academy of Sciences, National Institute of Ecology etc.). Many are recipient of Young Scientist Awards, Commonwealth Fellowship, Fulbright Fellowship, Dr. M.C. Das National Environment Gold Medal, ET Now National Education Leadership Award, Prof. Satya Pal Ruhela Best Educational Sociologist Award, Bharat Jyoti Award etc. Also, the faculty members are serving members of advisory/editorial boards of national and international journals. Besides, the faculty members have been attending the national/international conferences, seminars etc. as invited speakers.

In spite of the fact that research has been in the forefront in the University, many departments are still to establish facilities to pursue research in a major way.

The Teaching Departments regularly organize sensitizing programmes to ensure social justice and empowerment the underprivileged and most vulnerable sections of society. The University is aware of the constraints and is making sincere efforts to address to the gray areas.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

The University has laid great emphasis on the creation of infrastructure to ensure adequate availability of physical resources to the students, faculty and staff that includes both, working and residential. Almost all the academic departments have their independent space in all the campuses of the university including faculty rooms, class rooms, departmental library, laboratories in science departments etc. A Lecture Hall Complex with 10 class rooms of varying capacity has been newly constructed in Birla campus, Srinagar. An auditorium with 1000 seating capacity in Chauras Campus and an Academic Activity Centre with residential and conference facilities facilitate organization of conferences, seminars, meetings, cultural programmes etc. A building for Astronomical studies and Planetarium has also been constructed in Chauras campus.

Recent additions to the infrastructure is a Student Activity Centre Building, which houses offices of DSW, Proctor, Warden, NCC, NSS and a Senate Hall; a Student Facility Centre housing Bank, fee collection counters and space for post office; and a Cafeteria are part of the student amenities. All campuses have basic sports facilities indoor as well as outdoor. The outdoor stadium of the University is located at Chauras campus, along with a gymnasium, boxing ring, wrestling mat Rock Climbing Wall. While an indoor

stadium with facilities for table tennis and badminton is located in Srinagar campus. A basket ball court has been added recently in the Srinagar campus.

The university has 9 hostels each for boys and girls including Higher Studies Women Hostel and Research Hostels separately for boys and girls in addition to those for UG and PG students. All hostels have basic facilities for the inmates. Residences for faculty and staff are also available in all the campuses of the university. Each Campus has a well furnished Guest House. Besides, Community Centre and Shopping Complex have also been established to cater to the needs of the campus residents. An Administrative Block in nearly 3900 sq. m. area with extensions houses offices of administration, finance and examination and their constituents.

The Construction and Maintenance Division of the university is entrusted with the regular maintenance of the infrastructural facilities like buildings whereas the equipment maintenance is done through annual maintenance contracts with service providers.

The University has fairly good availability of instruments at USIC and departments. Many of the departments in Schools of Agriculture, Science, Life Sciences and Engineering have well equipped research laboratories with some advance facilities, enabling the students and faculty members to undertake research in emerging areas.

Separate Library building/space is available in all the campuses established in nearly 6300 sq. m. area. The libraries together have a holding of nearly 4.2 lakh books, back volumes, theses etc. More than 50000 reference books are part of the library holdings. In addition, access to e-resources is also available. Central library has introduced "earn while you learn" scheme for B. Lib. Sc. students to facilitate library services. The Central Library at Srinagar is under the process of automation.

Majority of the departments of the University have computer facilities, LCD projectors and internet facility enabling the students and the faculty members to pursue their academic activities. Some of the departments also have Smart Class Room. Free access to e-journals through INFLIBNET is available as central facility in the campus. The University lacks sufficient ICT for teaching, e-library, e-placement and support system. However, the University envisages developing ICT application at advance and professional level. Establishment of close contact with alumni will also be helpful. Furthermore, the University is soon going to introduce Wi-Fi Internet connectivity among its campuses and introduce web enabled ERP over it for better governance.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

The University introduced the Choice Based Credit System (CBCS) in PG programmes in the academic session 2011-12, and now, it has also been adopted in UG courses beginning with the session 2015-16. All the departments have been given autonomy to design their syllabi after restructuring of the Board of Studies (BoS), and to enhance the employability skills of students, considerable curriculum innovations have been made in all the disciplines. The revised curricula ensure flexibility in choosing courses and provide opportunity to choose elective courses. It also enables the faculty to carry out continuous internal assessment, so as to monitor the performance and growth of the students regularly, and make efforts for improvement as and when required. The University has a sound mechanism of monitoring, personal counseling, career guidance, remedial coaching, and training in soft skill for students.

In order to provide financial assistance and support to its students, the University provides various types of scholarships, such as, Scholarships for SC/ST/OBC students, Bursaries and several privately sponsored merit-cum need based scholarships. Freeships are also provided to the students from economically weaker section. Apart from this, there are national level research fellowships offered by CSIR, UGC, ICHR, and ICSSR to facilitate the research work of the scholars within the three campuses of the University. All the required information is given in the prospectus of the University provided to the students at the time of admission and duly uploaded on its website which is regularly updated to ensure accessibility of all the information on time.

The University encourages students' participation in co-curricular and extra-curricular activities by organizing sports, cultural and other co-curricular activities every year as per schedule. Students are encouraged and supported by providing additional academic support, provision of leave, relaxation in attendance, weightage in admission, and prize money to winners. NSS and NCC units of the University organize camps and activities for students and social welfare. Some of the students from these units are selected for Republic Day Parade every year.

The University has a Career Counseling and Placement Cell which facilitates the students to prepare themselves for highly competitive world of industry and commerce requirements. The Cell makes efforts to fetch national and international companies/organizations to the University to interview potential recruits. The number of students finding jobs through campus placement and qualifying NET, SLET, JRF, and other Centre and state-level competitions, including UPSC and UKPSC is quite appreciable.

The University has initiated setting up its Alumni Association and is hopeful of being benefitted by it very soon, especially in term of student

placement. It also has various bodies like Anti-ragging Cell, and Grievances Redressal Cell to address to the grievances of the students.

To enhance and expedite the process of research, the University has a system to facilitate constant monitoring to ensure timely submission of Ph.D. theses by conducting regular meetings of the BoS in the departments.

The University has an elected Students' Union and 'Apex Body', which put forth the genuine demands related to students welfare before the university authorities. Student representatives are part of many important bodies like IQAC, Anti-ragging Cell, Grievances Redressal Cell and Permanent Cell for Combating Sexual Harassment & Violence against Women. The regularly published annual magazines of each campus also provide opportunity to the students to express their writing creativity.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

The University has an organizational structure as provisioned in the Central Universities Act 2009 with President of India as Visitor of the University. The Executive Council (EC) headed by Vice-Chancellor is the highest executive body in the hierarchy of overall management system with Academic Council (AC) for academic matters and Finance Committee (FC) for financial matters at supportive levels. Deans of Schools and Heads of the Departments are part of the management system at School and Department levels respectively. The University upholds the culture of participative management by having representation of faculty in various statutory bodies viz. EC, AC, School Board, Board of Studies (BoS) and Boards for student affairs. The Students are also members of various boards, council and committees. Regular interaction and consultation is held at each level of management and with stakeholders to frame policies and their implementation for overall growth of the university.

The university provides ample opportunity to the employees as well as students for grooming leadership. It has a provision of rotational headship and deanship to extend the leadership quality among teachers. Other opportunities for grooming leadership quality among teachers include their serving on Proctor Board, Student Welfare Board, as NSS Programme Officers, hostel wardens and coordinators etc. Apart from academic affairs, teachers are nominated to different committees constituted from time to time to facilitate administrative working. The University ensures conduct of free and fair elections of the Students' Union every year to groom leadership among students. Also, Teachers' Association, Non-teaching Employees Association and Research Scholars' Association are other bodies providing opportunity to groom leadership and also the forum for discussions and deliberations on important matters.

The University has constituted an Internal Quality Assurance Cell (IQAC) in accordance with the guidelines of the UGC-NAAC to develop quality system for achieving academic excellence and expeditious administrative proceedings. It aims to build up a progressive and result-oriented work-culture through institutionalization of value-based practices. The university has an informal mechanism for analysing student feedback which in turn is reported to the concerned authorities and the action is taken accordingly. Recently, the Internal Quality Assurance Cell (IQAC) has taken up to monitor and review the performance of all the departments. A formal student's feedback mechanism is now in place.

The University is contributing to the national development by carrying out research in thrust areas identified by DST, DBT, UGC, ICSSR, ICHR etc. The students are enrolled in NSS and NCC Programs, thus inculcating value systems, social awareness, environmental consciousness, discipline and camaraderie. To accomplish the mission of the university, the university has policies and strategies to cultivate global competence in the students and faculty. Some recent initiatives in this direction are setting up of Academia-Industry Linkage Cell, Inspired Teachers Network and implementation of Village Adoption Scheme.

The university regularly reviews the teaching learning process in AC as it discusses and approves the recommendations/ proposals of the BoS. To address the grievances of different stakeholders the university has well defined grievance redressal system having Grievance Redressal Cell for employees. It has Anti-ragging Committee under the chairmanship of the Vice-Chancellor assisted by Anti-ragging Squads in all the campuses. Some specific committees such as Students Grievance Cell and Cell to Combat Sexual Harassment also function at large to solve and resolve the grievances and complaints within the University. At the departmental level, the HoD and the faculty members take care of the grievances and complaints of the students.

The University being a residential cum affiliating one encourage and promote its affiliated colleges/ institutes to excel by permitting them to run job oriented courses and open PG programmes. Besides, they are extended all possible support with regard to attaining the status of Autonomous College.

The University apart from the grant sanctioned by the UGC also generate funds from internal receipts and encourage the faculty members to submit research projects and take up consultancy work. The accounts of the University are well maintained and are regularly audited by C&AG. Establishment of a Corpus fund in the University is under process.

The University has reconstituted the IQAC and has initiated activities to fulfil its objectives. Already, task groups for addressing quality improvement of teaching, research, student support etc. have been set up. Among other activities, academic audit of the departments is in the priority of IQAC.

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

Innovations and best practices are integral to the successful functioning of any university or an institution of higher learning. Hemvati Nandan Bahuguna Garhwal University has strived to introduce many innovative actions in teaching, research, administrative and extension activities during the last four years, which have created a positive impact on the functioning of the University. The University has promoted environmental consciousness in a big way through energy conservation, use of renewable energy, rain water harvesting, construction of check dams, serious and sincere efforts for carbon neutrality, massive afforestation programme, conduction of numerous workshops, symposia, rallies, padayatras, poster and quiz competitions and celebration of World Environmental Day, World Water Day and Wildlife Week, *etc.* The University has a policy to ensure “Green and Clean Campus” for which it conducts regular *Safai Abhiyan* (cleanliness drive) in all premises of the University. The University has initiated several innovative approaches which are manifested in the forms of examination reforms, recruitment process, and establishment of Women Study Center, Innovation Club and Inspired Teachers Network.

The University has employed many best practices in addition to many innovative actions. The first best practice undertaken by the University is the leveraging Information Communication Technology (ICT) for the effective management of University affairs. The entire process of entrance examination is on-line and is fully computerized. On-line applications for admissions and examinations have resulted in significant saving of resources and have proven to be highly efficient. It has definitely improved the work culture, efficiency and transparency in the interest of the end users.

Another best practice being employed by the University is utilizing the acquired knowledge by transferring it for the well being of the society. Most of the Schools/Departments of the University are contributing significantly in strengthening the interface between University and the society. The University has employed best practices for addressing the burning issues faced by the society. The University has made significant and tangible contribution in the sectors of addressing environmental issues, ‘Lab to Land’ programs, preparation of People’s Biodiversity Registers (PBR), preservation and promotion of folk and performing arts, active participation in social works, introduction of the concept of community college, skill development, gender related outreach training program and remedial coaching for under privileged. Evidence of the success for the best practices employed in various sectors for strengthening interface between University and Society have reflected in terms of tangible outcomes of the targets/benchmarks fixed and reviewing the progress /results of the work done by University. Several programmes conducted under social works got recognized by the cross section of the society and improved the interface between University and society.

SECTION B

1. PROFILE OF THE UNIVERSITY

1. Name and Address of the University:

Name:	HEMVATI NANDAN BAHUGUNA GARHWAL UNIVERSITY (A CENTRAL UNIVERSITY)		
Address:	SRINAGAR GARHWAL		
City: SRINAGAR	Pin: 246174	State: UTTARAKHAND	
Website: www.hnbgu.ac.in			

2. For communication:

Designation	Name	Telephone with STD code	Mobile	Fax	E.mail
Vice Chancellor	Prof. Jawahar Lal Kaul	O: 01346-250260 R: 01370-267102	9412079544	01346-252247	kauljawahar@gmail.com
Registrar	Dr. Anil Kumar Jha	O: 01346-252143	9412079545	01346-252174	registrar.hnbg@gmail.com
Steering Committee	Prof. J.P. Pachauri	O: 01346-250483	9412029947	01346-252174	j_pachauri@rediffmail.com

3. Status of the University:

State University	<input type="checkbox"/>
State Private University	<input type="checkbox"/>
Central University	<input checked="" type="checkbox"/>
University under Section 3 of UGC (Deemed University)	<input type="checkbox"/>
Institution of National Importance	<input type="checkbox"/>
Any other (please specify)	<input type="text"/>

4. Type of University:

Unitary	<input type="checkbox"/>
Affiliating	<input checked="" type="checkbox"/>

5. Source of funding:

Central Government	<input checked="" type="checkbox"/>
State Government	<input type="checkbox"/>
Self financing	<input type="checkbox"/>
Any other (please specify)	<input type="text"/>

6. a. Date of establishment of the university: 15/01/2009

b. Prior to the establishment of the university, it was a/an:

- | | | | | |
|-----------------------------|------------------|--------------------------|----|--------------------------|
| i. PG Centre | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| ii. Affiliated College | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| iii. Constituent College | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| iv. Autonomous College | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| v. Any other please specify | State University | | | |

If yes, give the date of establishment : 01/12/1973

7. Date of recognition as a university by UGC or any other national agency:

	Under Section	dd	mm	yyyy	Remarks
i.	2f of UGC*				
ii.	12B of UGC *				UGC letter dated 14.10.14
iii.	3 of UGC #				
iv.	Any other ^ (specify)				

* Enclose certificate of recognition **Annexure I**

Enclose notification of MHRD and UGC for all courses / programmes / campus/ campuses.

^ Enclose certificate of recognition by any other national agency/agencies, if any.

8. Has the university been recognized

a. By UGC as a University with Potential for Excellence?

Yes No

If yes, date of recognition : (dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes No

If yes, Name of the agency and
date of recognition: (dd/mm/yyyy)

9. Does the university have off-campus centres?

Yes No

If yes, date of establishment : (dd/mm/yyyy)

date of recognition : (dd/mm/yyyy)

10. Does the university have off-shore campuses?

Yes No

If yes, date of establishment: (dd/mm/yyyy)

date of recognition : (dd/mm/yyyy)

11. Location of the campus and area:

	Location*	Campus area in acres	Built up area in sq. mts.
i. Main campus area	Hilly Area	Birla Campus: 49.168 Chauras campus: 168.21 BGR Campus, Pauri: 25.00 SRT Campus, Tehri: 18.16 Others (Nuini Sain & Tungnath): 7.40 Total area in acres: 267.938	Birla Campus: 43400 Chauras Campus: 90900 BGR Campus, Pauri: 15400 SRT Campus, Tehri: 29300 Total built up area in sq. Mts: 179000
ii. Other campuses in the country			No
iii. Campuses abroad			No

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify).
If the university has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

12. Provide information on the following: In case of multi-campus University, please provide campus-wise information.

- **Auditorium/seminar complex with infrastructural facilities:** Yes
Birla Campus, Srinagar: 01 available in Chauras with 1000 seating capacity, Air conditioned with attached sound and light system. Attached to the auditorium are 1 green room, 01 waiting room, VIP waiting room, 2 conference rooms and 01 office.
03 auditoriums are available in Srinagar Campus with seating capacity of 370, 150 and 300 respectively. The auditoriums are with audio-visual system.
BGR Campus, Pauri: 01 Hall with 200 seating capacity is available
SRT Campus, Tehri: 01 Hall with 250 seating capacity is available.
- **Sports facilities:** Yes
 - **Playground:**
Birla Campus, Srinagar: 01 playground (175x100 m) is available in Chauras Campus with 400m track. The playground is partially damaged due to change in the course of river Alaknanda in June 2013. Restoration is under process.
BGR Campus, Pauri: Playground and indoor stadium is shared with District Sports Authority, Pauri

- **Swimming pool -**
No
- **Gymnasium – Yes**
Birla Campus, Srinagar: 02 gymnasiums are available. One gymnasium (11.77 x 7.77 m) is at Srinagar having multi-gym with weight machines (7 stations). Other one is at Chauras campus with ground floor area of 28.80 x 17.54 m and first floor area of 14.51 x 11.04 m. It is equipped with state of art fitness equipments viz. 01 commercial treadmills, 02 motorized tread mills, 02 cross-trainers, 02 bicycloergometers, 2 sets of compact multi-gym machines comprising 12 stations and single station machines for all major body part exercise. A Judo hall, boxing ring, table tennis and badminton court are within the gymnasium.
BGR Campus, Pauri: Gymnasium (20 x 15m) with 6 stations
SRT Campus, Tehri: Multipurpose hall with 500 seating capacity.
- **Any other (please specify)**
Rock Climbing Wall, 12 x 4 m high is available at Chauras Campus.
Indoor Hall (34 x 15 m) with wooden flooring hand lighting with three badminton courts at Birla Campus, Srinagar.
Sports complex near Administrative building (40 x 20 m) with cemented basketball courts, movable poles and fibre ring post is another sport facility. It also has one volleyball and handball court.
Multi-activity hall (13.27 x 6.77 m) is available at Department of Physical Education with treadmill, jogger, cross trainer and walker.
- **Hostel**
 - **Boy's hostel**
 - i. Number of hostels
Birla Campus, Srinagar: 07 (including 04 in Chauras campus)
BGR Campus, Pauri: 01
SRT Campus, Tehri: 01
 - ii. Number of inmates
Birla Campus, Srinagar: 504 (intake), 308 (inmates)
BGR Campus, Pauri: 90 (intake), 36 (inmates)
SRT Campus, Tehri: 284 (intake), 189 (inmates)
 - iii. Facilities
Birla Campus, Srinagar: Open courtyard for play activities

have been provided with most of the hostels. Further, solar water geysers have been provided with 01 hostel at Srinagar. In other hostels electric geysers have been provided.

BGR Campus, Pauri: Courtyard for play activities has been provided. Recreational facilities like TV, Indoor games and Newspapers are available in the Common room. Electric geysers have been provided.

SRT Campus, Tehri: Courtyard for play activities has been provided. Recreational facilities like TV, Indoor games and Newspapers are available. Electric geysers have been provided.

▪ **Girls hostel**

i. Number of hostels

Birla Campus, Srinagar: 07 (including 06 in Chauras campus)

BGR Campus, Pauri: 01

SRT Campus, Tehri: 01

ii. Number of inmates

Birla Campus, Srinagar: 624 (intake), 368 (inmates)

BGR Campus, Pauri: 40 (intake), 26 (inmates)

SRT Campus, Tehri: 96 (intake), 68 (inmates)

iii. Facilities

Birla Campus, Srinagar: Open courtyard for play activities have been provided with most of the hostels. Further, solar water geysers have been provided with 01 hostel at Srinagar. In other hostels electric geysers have been provided.

BGR Campus, Pauri: Courtyard for play activities has been provided. Recreational facilities like indoor games and newspapers are available in the Common room. Electric geysers have been provided.

SRT Campus, Tehri: Courtyard for play activities has been provided. Recreational facilities like indoor games and newspapers are available. Electric geysers have been provided.

▪ **Working women's hostel - Not available**

i. Number of hostels

ii. Number of inmates

iii. Facilities

- **Residential facilities for faculty and non-teaching** – Yes, the details are as follows

Faculty Residences:

Birla Campus, Srinagar: 100 (Including 71 in Chauras campus)

BGR Pauri: 30

SRT Tehri: 64

Total 194

Non-teaching Residences:

Birla Campus, Srinagar: 128* (including 81 in Chauras campus)

BGR Pauri: 10

SRT Tehri: 50

Total 188

*Additional, 196 non-teaching residences from Urjaa Nigam are also in possession of University.

- **Cafeteria** – Yes

Birla Campus, Srinagar: 02 (including 01 in Chauras campus)

BGR Pauri: 01

SRT Tehri: 01

- **Health centre – Nature of facilities available – inpatient, outpatient, ambulance, emergency care facility, etc.** –

Yes, 01 health centre at Birla Campus, Srinagar with Ambulance facility

- **Facilities like banking, post office, book shops, etc.**

Yes, Banking and Post Office facilities available in Birla Campus. A branch of State Bank of India is located at Birla Campus to cater the needs of students and staff of University. ATM facility of Punjab National Bank is also available within the Campus. A branch of Union Bank of India is at Chauras campus of the University.

- **Transport facilities to cater to the needs of the students and staff**

Yes, 03 buses with 32 seats each ply regularly to cater to the needs of the students and the staff.

- **Facilities for persons with disabilities**

Yes. Lift facilities and toilet facilities for disabled persons have been provided with the new buildings along with ramp for entry into the building.

- **Animal house**

The building of Animal house is almost near completion in the department of Pharmaceutical Sciences, Chauras campus.

- **Incinerator for laboratories**

Not available

- **Power house**

Birla Campus, Srinagar: 08 substation of 33/11 KV (Chauras campus); 6 substations 11/.44 KV (Chauras campus); 02 substations 11/.44 KV (Srinagar)

BGR Pauri: 01 (11/.44 KV substation)

SRT Tehri: 01 (11/.44 KV substation)

Power backups: Generator sets

03 Power backup facility of 182KVA is available at Birla Campus (including 02 in Chauras campus)

08 Power backup facility of 125KVA is available at Birla Campus (including 04 in Chauras campus)

02 Power backup facility of 62.5KVA is available at Birla Campus

- **Waste management facility**

Chemicals and biological hazardous waste (both liquid and solid) are disposed of properly with necessary precautions. In addition, there is well prescribed procedure to write off the worn, non-repairable items and empty containers.

13. Number of institutions affiliated to the university

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce	102	49	53
Law	6	-	6
Medicine	5	-	5
Engineering	0	-	-
Education	46	-	46
Management	-	-	-
Others (specify and provide details)	-	-	-

14. Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University

Yes

No

Number- 01

15. Furnish the following information

Particulars	Number	Number of Students
a. University Departments		
Under graduate	08	7622
Post graduate	40	2464
Research centre on campus	01	19
b. Constituent Colleges	Nil	Nil
c. Affiliated colleges	159	1,41,984
d. Colleges under 2(f)	08	
e. Colleges under 2(f) and 12B	36	
f. NAAC accredited colleges	20	
g. Colleges with Potential for Excellence (UGC)	02	
h. Autonomous colleges	01	
i. Colleges with Postgraduate Departments	66	
j. Colleges with Research Departments	19	
k. University recognized Research Institutes/ Centres	Nil	

16. Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes No

If the university uses any other nomenclatures, please specify.

17. Academic programmes offered by the university departments at present, under the following categories: (Enclose the list of academic programmes offered): Annexure II

Programmes	Number
UG	47
PG	53
Integrated Masters	01
M.Phil.	02
Ph.D.	37
Integrated Ph.D.	Nil
Certificate	05
Diploma	06
PG Diploma	07
Any other (please specify)	Nil
Total	158

18. Number of working days during the last academic year. 210

19. Number of teaching days during the past four academic years.

2010-11	2011-12	2012-13	2013-14
180	180	180	180

(‘Teaching days’ means days on which classes were engaged. Examination days are not to be included)

20. Does the university have a department of Teacher Education?

Yes No

If yes,

- Year of establishment 01/07/1974
- NCTE recognition details (if applicable)
Notification No.: NRC/NCTE/F-60/96/6990
Date: 19/03/1999
- Is the department opting for assessment and accreditation separately? No

21. Does the university have a teaching department of Physical Education?

Yes No

If yes,

- Year of establishment 19/09/2006
- NCTE recognition details (if applicable)
Notification No.: F. NRC/NCTE/F-7
Date: 09/09/2006
- Is the department opting for assessment and accreditation separately?

Yes No

22. In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Yes No

If yes, please enclose approval / recognition details issued by the statutory body governing the programme.

23. Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon.

Yes, recently, the Pharmacy Council of India reviewed the Department of Pharmaceutical Sciences. The copy of report and action taken is enclosed **Annexure III**

24. Number of positions in the university

Positions	Teaching Faculty			Non-Teaching/ Technical Staff
	Professor	Associate Professor	Assistant Professor	
Sanctioned by the UGC/ University/ State Government	43	84	341	860
Recruited	14	35	237	650
Yet to Recruit	29	49	104	210
Number of persons working on contract basis	Nil	Nil	172	181

25. Qualifications of the teaching staff

Highest qualification	Professor		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	03	01	01	01	--	--	06
Ph. D	98	14	60	20	84	29	311
M. Phil.	--	--	--	--	--	--	--
PG	--	--	02	01	17	06	26
Temporary teachers							
Ph.D	--	--	--	--	--	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	--	--	--
Part-time teachers							
Ph.D/NET	--	--	--	--	105	--	--
M.Phil.	--	--	--	--	--	--	--
PG	--	--	--	--	68	--	--

26. Emeritus, Adjunct and Visiting Professors: Nil

	Emeritus	Adjunct	Visiting
Number	Nil	Nil	Nil

27. Chairs instituted by the university: Nil

28. Students enrolled in the university departments during the current academic year, with the following details:

Students	UG	PG	Integrated Masters	M. Phil.	Ph.D.	Integrated Ph.D.	D.Litt./ D.Sc.	Certificate	Diploma	PG Diploma
	*M*F	*M*F	*M*F	*M*F	*M*F	*M*F	*M*F	*M*F	*M*F	*M*F
From the State where the university is located	3403/3866	954/1126	23/29	7/0	65/ 71	-	-	37/20	-	-
From other states of India	253/100	207/177	12/11	4/0	87/ 56	-	-	5/0		
NRI Students	-	-	-	-	-	-	-	-	-	-
Foreign Students	-	-	-	-	-	-	-	-	-	-
Total	3656/3966	1161/1303	35/40	11/0	152/127	-	-	42/20	-	--
Grand total	7622	2464	75	11	279	-	-	62	-	-

*M - Male *F - Female

29. 'Unit cost' of education 2014-15

(a) including the salary component = Rs. 85,454.70

(b) excluding the salary component = Rs. 27,903.00

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

30. Academic Staff College: Nil

- Year of establishment -
- Number of programmes conducted (with duration)
 - UGC Orientation
 - UGC Refresher
 - University's own programmes

31. Does the university offer Distance Education Programmes (DEP)?

Yes

No

If yes, indicate the number of programmes offered.
Are they recognized by the Distance Education Council?

32. **Does the university have a provision for external registration of students?**

Yes No

If yes, how many students avail of this provision annually?

33. **Is the university applying for Accreditation or Re-Assessment? If Accreditation, name the cycle.**

Accreditation: Cycle 1 Cycle 2 Cycle 3 Cycle 4

Re-Assessment:

34. **Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)**

Cycle 1: 21.03.2003, Accreditation outcome/Result: B⁺⁺ Grade

Cycle 2: (dd/mm/yyyy), Accreditation outcome/Result ...

Cycle 3: (dd/mm/yyyy), Accreditation outcome/Result

Cycle 4: (dd/mm/yyyy), Accreditation outcome/Result

* Kindly enclose copy of accreditation certificate(s) and peer team report(s) **Annexure IV**

35. **Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated/ constituent / autonomous colleges under the university.**

No, the university does not provide the list of accredited institutions under its jurisdiction on its website.

The list of accredited affiliated/ constituent / autonomous colleges under the university is attached as **Annexure V**

36. **Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).**

IQAC 18.02.2010 (dd/mm/yyyy); Reconstituted on 12.02.2015

AQAR (i) (dd/mm/yyyy)

(ii) (dd/mm/yyyy)

(iii) (dd/mm/yyyy)

(iv) (dd/mm/yyyy)

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.



Signature of the Head of the institution

with seal:

Place: Srinagar Garhwal

Date: 31 August 2015

Vice-Chancellor
H.N.B. Garhwal University
Srinagar (Garhwal) 246174
Uttarakhand (India)

CRITERION I: CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

In the growing trend of globalization and liberalization, imparting quality education is the major challenge of higher education institutions, especially in a developing country like India. A competitive, continual and content rich curriculum would empower the higher education institutions to face future challenges effectively. In this context, reviewing and redesigning of curriculum becomes imperative on the part of higher education institutions.

H.N.B. Garhwal University came up with a mission to stimulate the academic environment for promotion of holistic learning and research and to contribute to the nation's growth; to inculcate values and impart skills for shaping able and responsible individuals committed towards the intellectual, academic and cultural development of society.

The vision of the University is to achieve excellence by empowering all stakeholders through promotion of innovations in the field of higher education by imparting training and education, and encouraging research for the development of the country with specific attention to the mountain region.

The University strives to integrate all graduate attributes like communicative skills, leadership quality, value based education, fusion of traditional wisdom with scientific temperament, tolerance, team work, peaceful co-existence and nation building through curricular, co-curricular and extracurricular activities.

The academic programmes, teaching, learning and infrastructure development for fostering research, innovation and extension activities are designed in conformity with the goals and objectives of the university in fulfilling the aspirations of the society.

The academic programmes of H.N.B. Garhwal University reflect its vision and mission in following ways:

- Academic programmes are learner-centric and facilitate continuous learning environment to acquaint students with the recent developments in respective subjects
- Academic programmes focus on promotion of quality and innovative research which enable the students to face the challenges of the knowledge society.
- The academic programmes like Literature, Philosophy, Social Sciences, Humanities and Special Centre for Folk and Performing Arts have been created for fulfillment of the above objectives.
- Academic programmes of Biotechnology, Microbiology and

Environmental Sciences, Social Works and Human Rights are devised taking into consideration the contemporary relevance and emerging trends giving scope for dissemination of relevant knowledge.

1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (Need assessment, feedback, etc.).

The University systematically designs and develops its curriculum through a bottom up procedure consisting of the informal and formal discussions.

- **Informal Discussions:**

Originating from public opinion among students and teachers over a period of time. This ensures incorporation of the needs of the society including the employment possibility in the design and development of the curricula.

- **Formal Discussions:**

At the department level, the University has a Departmental Committee, which gets feedback from various stakeholders and need assessment by the faculty members. The department also convenes the meeting of Board of Studies (BoS), which comprises the department's senior faculty, assigned members from allied disciplines from within the University and expert members from the concerned discipline from outside the University, for initiation of a formal discussion on curricula. The BoS finalizes the desired modifications in the existing curriculum, or new proposed curriculum after thorough deliberations, which are then recommended to the School Board for its consideration.

- At the School level, a meeting of School Board comprised of the Dean of the School, all Heads of the departments, one Professor, three Associate Professors and two Assistant Professors of the School, by rotation in the order of seniority and two nominated external members from outside the University, the proposed curriculum is once again deliberated upon and ratified or modified and accepted.
- At the University level, a meeting of the Academic Council (AC) chaired by the Vice-Chancellor, comprising of Deans of all Schools, two Principals of affiliated colleges, HODs of all the departments and other designated members and eminent academicians from outside the University, deliberate on the curricula for its ratification or modification and acceptance.
- It is only after going through this procedure and approval by the AC that the proposed curriculum is finalized for

implementation for the purpose of teaching, learning, admission and examination.

1.1.2 How are the following aspects ensured through curriculum design and development?

* **Employability:** The HNB Garhwal University has been consistently paying specific attention to:

- Removal of obsolescence in the curriculum and contents and replacing the same by the contents based on the need of the learners and the employers.
- Incorporation of upcoming fields and job oriented/ professional courses (MBA; MBA Tourism; B. Pharma; Mass Communication, Biotechnology, Microbiology, Environmental Sciences, Social Work) that attract the employers, i.e., instantly gainful to the students in securing jobs
- Adapting the existing syllabi on a regular basis to introduce employability quotient. Some new courses introduced in existing programmes are Disaster Management, Mountain Ecology, Himalayan Wildlife, Biochemistry, Microbiology, Environmental Economics and Environmental Management.
- Facilitating sufficient training/ internships and exposure to learn problem solving abilities, leadership abilities, teamwork ethics and other such skills.
- Relevant components of the syllabi of examinations conducted by UGC-NET; UGC-CSIR (JRF/SRF), GATE, UPSC, UKPSC are also included in the courses offered by the University.
- Requirements of the Corporate Sectors/Industries/MNCs, Government and Public Sectors are also taken into consideration, while framing/ revising the syllabi.

* **Innovation**

The innovation and research aspects are the prominent parameters considered while designing the course. Curricula are framed to inculcate the spirit of enquiry, creativity and innovation at various levels. This is managed by including contents and items in syllabi and in teaching and evaluation process.

The course curriculum designed includes the inputs of alumni, eminent academicians, experts from industry through Academia-Industry Interaction Cell and all stakeholders. All the inputs are put together for developing an ideal module to face the present as well as future challenges of technical as well as required skills to empower them for potential human capital for the various employment providers.

* **Research**

Research is an integral component of all the post graduation

programmes. The students are assigned a research problem as Dissertation/Project/Thesis, which they undertake during III/IV semester and submit for evaluation.

Research Methodology is taught as a separate course in many of the programmes. Furthermore, the research skills of students are enhanced through introduction of courses, activities and contents that include literature survey, data collection and data analysis.

1.1.3 To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the University been instrumental in leading any curricular reform which has created a national impact?

The H.N.B. Garhwal University strictly follows the broad guidelines of regulatory bodies like UGC/AICTE/PCI/DCI/BCI/NCTE for developing and restructuring the curriculum. The mandatory disclosures and standards are also followed by the university.

The University has contributed to innumerable institutions in developing and restructuring the curricula. For instance, the curriculum developed by the Department of Environmental Sciences was opted by many upcoming universities including UGC for its NET examination in Environmental Sciences. Likewise, other Departments namely History and Archeology (Environmental Archaeology), Forestry and Natural Resources, Tourism, Sociology (Social work) have been instrumental in influencing curricular of various upcoming colleges and Universities over a period of time.

1.1.4 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?

The University interacts with industries, research bodies and the civil society on regular basis by:

- Organizing special lectures by experts from the Industry, Corporate leaders, research bodies like ICFRI and ICAR.
- Tie-up for organizing academic events (symposia, workshops, seminars etc.)
- Imparting training to executives of public sectors industries. Department of Environmental Sciences imparted training on Environmental Management to senior executives of Tehri Hydroelectric Development Corporation (THDC) India Ltd. for 13 months.
- The University also gets inputs from Industry-Academia Interaction Cell, Inspired Teachers Network (ITN), Career Counseling & Placement Cell, Alumni Association and IQAC.

1.1.5 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

The HNB Garhwal University is a residential cum affiliating University. It facilitates the introduction of new programmes of studies in its affiliated colleges following the established mechanism. Programmes with high job prospects and influx of students are encouraged by the University for opening in the affiliated colleges. An Inspection Panel constituted as per the norms submits its report on the infrastructural, faculty, library and other requirements available with the institute seeking a new programme to the University and the permission/affiliation is granted if the report is satisfactory. Similarly the allotment/ increase of the number of seats (intake) for each programme is also decided on the basis of the report of the panel.

1.1.6 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances (not applicable for unitary universities).

The University encourages the affiliated colleges to start skill oriented courses relevant to the regional needs. As an instance, B.Sc. Nursing Course is in demand to meet the rapidly expanding health sector. Likewise, UG and PG Courses in Agriculture also attract students from within and outside the state.

1.2 Academic Flexibility

1.2.1 Furnish the inventory for the following:

*** Programmes taught in campus**

List of Programmes

UG Programmes (3 Years)

- Bachelor of Arts (B.A.): Anthropology, Defense & Strategic Studies, Drawing & Painting, Economics, English, Geography, Hindi, History, Home Science, Mathematics, Music, Philosophy, Political Science, Psychology, Sanskrit, Sociology and Statistics.
- B.A. (Journalism & Mass Communication)
- Bachelor of Commerce (B.Com.)
- Bachelor of Science (B.Sc.): Anthropology, Biochemistry, Botany, Chemistry, Computer Science, Defense & Strategic Studies, Economics, Geography, Geology, Mathematics, Microbiology, Physics, Statistics and Zoology
- Bachelor of Law (LL.B.)

UG Programmes (4 years, 8 semesters)

- Bachelor of Technology (B.Tech.): Computer Science & Engineering, Electronics & Communication, Information Technology Engineering, Instrumentation Engineering, Engineering and Mechanical Engineering.

- B.Sc. Forestry- Four Years
- B.Sc. Horticulture- Four Years
- B.H.M. (Hotel Management)- Four Years
- Bachelor of Pharmaceutical Sciences (B. Pharma.) - Four Years

Other UG Programmes

- Bachelor of Education (B.Ed.) - One Year
- Bachelor of Physical Education (B.P. Ed.) - One Year
- Bachelor of Library and Information Science (B.Lib.) - One Year
- Bachelor of Business Administration (B.B.A.) - Three Years

PG Programmes

- M.Sc.: Anthropology, Biotechnology, Botany, Chemistry, Defense & Strategic Studies, Environmental Sciences, Forestry, Geography, Geology, Himalayan Aquatic Biodiversity, Horticulture, Physics, Mathematics, Seed Science & Technology, Medicinal & Aromatic Plants, Microbiology, Pharmaceutical Chemistry, Remote Sensing & GIS, Rural Technology, Statistics and Zoology
- Integrated 5-Year M.Sc. Biotechnology
- M.C.A.
- M.A.: Anthropology, Archeology, Defense & Strategic Studies, Drawing & Painting, Economics, Education, English, Geography, Hindi, History, Home Science, Mass Communication, Mathematics, Music, Philosophy, Political Science, Psychology, Sanskrit, Sociology, Statistics, Theatre and Yoga.
- M.Ed.
- LL.M.
- M.Pharm: Pharmaceutics
- M.B.A.: Business Management (Marketing, Finance, Human Resource, International Business)
- M.B.A. (Tour & Travel Management)
- M. Com.
- M.S.W.: Master in Social Work
- M.E.E.: Master in Extension Education

Certificate: Machining, Photography, Screen Printing, Spoken English and Welding.

Diploma: Advertising, Sales Promotion & Sales Management (DASPSM), Art Education (Drawing & Painting), Folk Dance of Uttarakhand, Folk Music of Uttarakhand, Photography and Textile Designing & Painting.

P.G. Diploma: Business Administration, Company Administration, Environmental Management, Environmental Economics, Human Rights & Value Education, Tourism & Hoteliering, Women Studies and Yogic Science.

Research Programmes

M.Phil.: English, Environmental Plant Biology

Ph.D. in 37 disciplines

* **Overseas programmes offered on campus**

No such programme is offered by the university.

* **Programmes available for colleges to chose from**

In addition to the above mentioned UG and PG Programmes the following courses are available in the affiliated colleges:

1. B.A. Honors Mass Communication
2. B.A. L. L. B.
3. B. B. A. Hotel Management and Catering
4. B. B. A. Hotel Management and Catering
5. B.Com. (Computerized Accounting)
6. B.Sc. (Agriculture)
7. B.Sc. (Information Technology)
8. B.Sc. (Physics, Chemistry, Maths) Add on subject Instrumentation and Electronics
9. B.Sc. (Physics, Chemistry, Maths) Electronics
10. B.Sc. Agriculture
11. B.Sc. Biotechnology with CBZ (Chemistry, Botany, Zoology)
12. B.Sc. Computer Science
13. B.Sc. Home Science
14. B.Sc. Information Technology
15. B.Sc. Microbiology with CBZ (Chemistry, Botany, Zoology)
16. B.Sc. Nursing
17. B.T.S
18. Bachelor in Computer Applications (BCA)
19. Bachelor in Dental Sciences
20. Bachelor in Mobility Science
21. Diploma in Biotechnology
22. Diploma in Ecotourism
23. Diploma in Electronics
24. Diploma in Forestry and Wild Life Management
25. Diploma in Microbiology
26. Diploma in Nursery tank and Orchard Management
27. Diploma in Tourism and Travel Management
28. M. B. B. S.
29. M. D. Anatomy
30. M. D. Anesthesiology
31. M. D. Biochemistry
32. M. D. Community Medicine
33. M. D. Dermatology (DVL)
34. M. D. Forensic Medicine
35. M. D. General Medicine
36. M. D. General Surgery
37. M. D. Microbiology
38. M. D. Pathology
39. M. D. Pharmacology

40. M. D. Physiology
41. M. D. Radio-diagnosis
42. M.D. Psychiatry
43. M.S. E.N.T
44. M.S. Obstetric Gynecology
45. M.S. Ophthalmology
46. M.S. Orthopaedic
47. M.S. Pediatrics
48. M.Sc. Agronomy
49. M.Sc. Biochemistry
50. M.Sc. Bioinformatics
51. M.Sc. Computer Science
52. M.Sc. Computer Science
53. M.Sc. Home Science (Textile and Clothing)
54. M.Sc. in Food Science and Nutrition
55. M.Sc. Information Technology
56. M.Sc. Nursing (Medical Surgical Nursing)
57. M.Sc. Nursing (Obstetric and Gynecology)
58. M.Sc. Nursing (Pediatric Nursing)
59. M.Sc. Nursing Psychiatric
60. Master in Dental Sciences (Oral medicine & Radiology)
61. Master in Dental Sciences in Conservative Dentistry & Endontics
62. Master in Dental Sciences in Oral pathology & Microbiology
63. Master in Dental Sciences in Orthodontics & Dentofacial
64. Master in Dental Sciences in Pedodontics and Preventive Dentistry
65. Master in Dental Sciences in Periodontology
66. Master in Dental Sciences in Prosthodontics and Crown & Bridge
67. Master of Finance & Control
68. Master of Finance and Control
69. PG Diploma in Advertising and Public Relation
70. PG Diploma in Business Administration
71. PG Diploma in Computer Applications
72. PG Diploma in Journalism and Mass Communication
73. PG Diploma in Military Studies and Defense Management
74. PG Diploma in Nutrition and Dietetic
75. PG Diploma in Tourism and Hoteleiring
76. PG Diploma in Yogic Sciences

1.2.2 Give details on the following provisions with reference to academic flexibility

a. Core/ Elective options

The Ordinances and Regulations of the University governing courses of study (Under Section 28) states that 'A Master's Programme shall consist of Core courses (Minimum 54 credits) which shall be mandatory for all students besides Electives (Minimum 18 credits)'.

b. Enrichment Courses

In addition to the Core and Electives all PG Programmes offer Self-Study Courses in advance topics in a subject (one minimum 03 credits

course shall be mandatory but not to be included while calculating the grades). A department may allow students to choose two additional courses to enable them to acquire extra credits through self-study.

c. Courses offered in Modular Form

No such course is offered by the university.

d. Lateral and vertical mobility within and across programmes, courses and disciplines

The students have been provided with sufficient provisions with reference to academic flexibility to choose in terms of choice of subject combinations as per the guidelines of the university. Some departments offer add-on courses like DASPM, which are career oriented programmes, Computer literacy courses and personality development programmes for ensuring employability. The flexibility in terms of opting subjects for PG students is provided in some of the selected areas of social sciences, arts and engineering schools. At present the University provides an opportunity for any graduate to get admission for PG studies in Social Work, Management, Mass Communication and Theatre. The academic flexibility is being taken care of by Board of Studies, School Board and Academic Council.

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

International students may select any programme offered by the University.

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If 'no', explain the impediments.

No such course has been developed by the University. However, the department of Defense & Strategic Studies have developed a PG Diploma Course in 'Military Studies and Defense Management' for Gentlemen Cadets of Indian Military Academy (IMA), Dehradun, which also include candidates from friendly countries.

1.2.5 Does the university facilitate dual degree and twinning programmes? If yes, give details.

At the moment, the University does not facilitate dual degree and twinning programme. However, there are some provisions for Add-on courses, which are offered by some of the departments like the Department of Commerce offers courses on DASPM and DBA with their UG Programme.

1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided

programmes?

Policies regarding admission, fee structure, teacher qualifications and salary are at par with the aided programmes. The fee structure is decided by admission committee fulfilling the requirements of the governing statutory bodies like PCI, NCTE etc.

List of Self Finance Programmes offered by the University

- B.A. in Drawing & Painting (SRT Campus, Tehri)
- B.Ed. (BGR Campus, Pauri)
- Bachelor in Hotel Management (B.H.M.)
- Bachelor in Library Science (B. Lib)
- Bachelor in Pharmacy (B. Pharma.)
- Certificate in Machining
- Certificate in Photography
- Certificate in Screen Painting
- Certificate in Welding
- Diploma in Advertising, Sales Promotion & Sales Management (DASPSM)
- Diploma in Art Education (Drawing & Painting)
- Diploma in Folk Music of Uttarakhand
- Diploma in Folk Dance of Uttarakhand
- Diploma in Photography
- Diploma in Textile Designing & Painting
- L.L.M.
- M.A. in Drawing & Painting
- M.A. in Education (SRT Campus, Tehri)
- M.Sc. in Pharmaceutical Chemistry
- M.Sc. in Remote Sensing & GIS
- Master in Pharmacy (M. Pharma) in Pharmaceutics
- Master in Social Works (M.S.W.)

1.2.7 Does the university provide the flexibility of bringing together the conventional face-to-face mode and the distance mode of education and allow students to choose and combine the courses they are interested in? If 'yes,' give operational details. No.

1.2.8 Has the university adopted the Choice Based Credit System (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?

- The Choice based credit system (CBCS) has been adopted in all PG programmes of the University including the affiliated colleges since academic session 2011-2012.

- The Choice Based Credit System has also been adopted in UG w.e.f. academic session 2015-16

1.2.9 What percentage of programmes offered by the university follow:

- * **Annual System:** UG in Arts, Social Science, Commerce and Education was up to academic session 2014-15. CBCS has been introduced in all UG courses from academic session 2015-16.
- * **Semester System:** All PG Programmes in University and UG Programmes in Management, Engineering & Technology, Law, Pharmacy and Agriculture (Forestry & Horticulture).

1.2.10 How does the university promote inter-disciplinary programmes? Name a few programmes and comment on their outcome.

The University has facilities of interdisciplinary courses in few subjects namely, Biotechnology, Microbiology, Forestry and Horticulture.

1.3 Curriculum Enrichment

1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curriculum is reviewed regularly every year. The Board of Studies (BoS) in every discipline discusses with the experts on the issue of modifying and enrichment of curriculum considering the developments and emerging trends. In addition, the social, academic and research relevance are also analyzed and relevant aspects are incorporated. The Departments of Business Management, Environmental Sciences and Geology have included Disaster Management course to sensitize the students about region specific knowledge. The field-visit and field-work to disaster prone areas are helpful to make them socially aware and responsible citizen. 'Business Ethics' subject has also been introduced to inculcate the spirit of responsible professional. The Department of Sociology and Social Work has designed the course-curriculum by incorporating such components such as social work camps, summer placement, study tours, project work etc

1.3.2 During the last four years, how many new programmes at UG and PG levels were introduced? Give details.

- UG: 07 New Programmes [B.Sc. (Biochemistry, Microbiology, Computer Science) and B. Tech. (Computer Science & Engineering, Electronics & Communication Engineering, Information Technology, Mechanical Engineering)]
- PG: 01 New Programme (M.Sc. in Himalayan Aquatic Biodiversity)

1.3.3 What are the strategies adopted for the revision of the existing programmes? What percentage of courses underwent a syllabus revision?

From the session 2011-2012, University has adopted the Choice Based Credit System (CBCS). All PG Programmes are completely revised keeping in mind the latest development in the areas concerned. All the courses of UG, PG and Diploma have been revised by departmental committees, BoS and School Boards in the academic session 2014-15, following UGC guidelines and ratified by the Academic Council of H.N.B. Garhwal University.

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?

Value added courses like Environmental Studies for UG courses, Business Ethics and Disaster Management were introduced for courses like MBA (IB), MBA (HR) and MBA. Many activities/workshops are organized as an initiative beyond course curriculum by University departments. All the students are encouraged to participate in beyond the course curriculum initiatives.

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skills Development Corporation and other agencies?

Since the academic session 2014-15, the University has started two skill oriented programmes namely Machining and Welding in Department of Mechanical Engineering under Community College Scheme.

1.4 Feedback System

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

The Students feedback is obtained from the students after completion of their semester courses, regularly and periodically. The concept of PDCA of quality circles is adopted by most of the courses of study. The action is taken in consonance with the received feedback.

Recently, IQAC has initiated obtaining student's feedback on teachers as well, and plans to obtain feedback on curriculum very soon.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and its impact.

Although the university does not elicit feedback on curriculum from

International faculty, however, eminent National faculties are expert members in the Board of Studies of all disciplines, and provide valuable feedback on the proposed contents of the courses. At times during the visits of faculty members from outside the country for attending the Seminars, Conferences etc, the curricula is also discussed during informal discussions in the department. In this regard, the Department of Business Management had conducted two days Management Development Programme (MDP) with the help of expert from USA Ms. Sarah Bunsviyeski on ‘Cross cultural Communication’ in 2013.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum enrichment and the extent to which it is made use of.

- The Board of Studies in concerned subjects have senior most teacher from the affiliated colleges/institutes as member, thus ensuring the participation from affiliated institutions in curriculum enrichment.
- Also, suggestions regarding the improvement of curricula are invited by the Convener of BoS from all concerned departments in affiliating colleges and included in discussions during the meeting.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curriculum?

- The School Board and BoS are constituted in which eminent academicians and professionals are invited for enriching and adding latest developments in all the courses of study.
- Further, in order to make academic enhancements, the university has already adopted innovative course-curricula in all post graduate courses by implementing CBCS with comprehensive continuous internal assessment.
- Moreover, in certain courses the curriculum is updated as per the prescribed syllabi of the governing bodies like PCI/NCTE/BCI/AICTE etc. from time to time.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1.1 How does the university ensure publicity and transparency in the admission process?

The admission notification is published in leading national newspapers (both in Hindi and English) and on the website of the University. The university prospectus contains the details of admission processes like rules and mode of admission, number of seats, fee structure, scholarships available and various facilities available to the students in the university campuses.

In UG courses, Admission Committee consisting of faculty members is constituted by the Dean of the Schools. The committee scrutinizes all the admission forms and prepares merit list, which is displayed on the notice board. Discrepancy, if any, is rectified by the convener of the committee in consultation with the dean.

Admission to PG, M.Phil. and Ph.D. programmes is on the basis of entrance examination conducted at all India level. The scores of all candidates are displayed on the university website and intimation regarding counseling is sent via email, telephone and by post. An admission committee duly approved by the Vice-Chancellor consisting of Dean, Head of the Department and faculty members prepares the merit list based on the score in the entrance test and other admissible weightages (NSS, NCC etc.), which is displayed on the notice board. The policy of reservation is strictly followed during the process. Subsequently, the vacant seats are filled from the waiting list. Besides, weightage is given as follows:

- NSS B Certificate or 240 hours + two special camps – 1%; NSS C certificate- 2% Participation in National Integration Camp/ Republic Day Parade- 3% (maximum 3% in all)
- NCC B Certificate – 1%; NCC C Certificate – 2%; Participation in Republic Day Parade (national) – 3%; NCC Cadet of the State/National Awardee – 3% (maximum 3% in all);
- Students selected under Youth Festival organized by AIU- Zonal= 2%, National= 3% (maximum 3% in all);
- Participation in sports events organized by AIU- Zonal= 3%, National= 5% (maximum 5% in all);
- Position secured in national competitions organized by AIU or the Ministry of Parliamentary Affairs – Individual= First– 4%, second– 3% and third– 2%, and, team = first – 3%, second – 2% and third – 1% (maximum 4% in all)

- Participation in national level literacy/cultural/quiz competitions– individual= first –4%, second– 3% and third– 2%, and, team= first– 3%, second– 2% and third– 1% (maximum 4% in all).

2.1.2 Explain in detail the process of admission put in place by the university. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test and interview, (iv) common entrance test conducted by state agencies and national agencies (v) other criteria followed by the university (please specify).

- Admission to all PG courses is based on merit of the candidate in the all India entrance test conducted by the university inclusive of weightages. Minimum educational qualifications are prescribed for each course with certain relaxations in case of SC/ST/PH candidates complying in the National Policy as per guidelines of the UGC/MHRD.
- Admission to Ph.D. courses is based on the merit All India Entrance test and Interview as per UGC guidelines by the university.
- Admission to UG courses is based on merit in the qualifying examination inclusive of weightages.
- MBA & MBA (Tourism): Based on MAT test score conducted by All India Management Association, New Delhi.
- M.Sc. Biotechnology: Common entrance test conducted by JNU on All India level.
- B. Pharma. & M. Pharma: Based on the merit of entrance examination conducted on All India level by the University inclusive of weightages.
- B. Tech.: Based on merit JEE (Mains)

2.1.3 Provide details of admission process in the affiliated colleges and the university’s role in monitoring the same.

The admissions to various courses in the affiliated colleges are based on merit in the qualifying examinations following the ordinances of the University. All affiliated colleges follow the eligibility criteria for admission in various courses as per the provisions contained in the admission rules provided by H. N. B. Garhwal University norms and subject to fulfilling the affiliation norms for that academic session. All the affiliated colleges send the list of all admitted students in all their approved courses to the university examination section which checks the number of admitted students and number of approved seats in the courses and ratify the final admission list. This approval is sent to e-governance cell of the University for generating the data for filling online examination forms.

2.1.4 Does the university have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

The University reviews its admission process and students profile, annually in all the Statutory and non-Statutory bodies. Action is taken accordingly.

Before giving notification of admission to all UG, PG and diploma courses, a meeting of Admission Committee is conducted. The Admission Committee is convened under the Chairmanship of Vice-Chancellor, Dean of the Schools, Head of Departments, Coordinators, Registrar, Finance-Officer, Director of campuses and Deputy Registrar (Examination), Deputy Registrar (Admin.) to discuss various matters relating to admission every year.

The number of admissions cannot exceed the number of seats approved by the University after inspection by a team of experts to adhere to the regulatory norms with regard to infrastructure, faculty, building and all requirements for the respective courses. The data of students admitted every year in different courses are uploaded in the website of All India Survey of Higher Education (AISHE) portal of Ministry of HRD, for various recommendations to the Government of India for the development of higher education in India.

2.1.5 What are the strategies adopted to increase/improve access for students belonging to the following categories:

- SC/ST
- OBC
- Women
- Persons with disabilities
- Economically weaker sections
- Outstanding achievers in sports and other extracurricular activities

Vice-Chancellor appoints a nominee on Admission Committee of each Department to finalize the admissions. The meritorious SC/ST/PH/OBC candidates are considered for admission as per their merit which is not counted against their respective reserved seats.

Moreover the information regarding facilities/scholarships etc. to various segments of the society are mentioned in the University prospectus. Also, the DSW Office from time to time issue circulars regarding the schemes available for them.

2.1.6 Number of students admitted in university departments in the last four academic years:

Category	2010-11		2011-12		2012-13		2013-14	
	M	F	M	F	M	F	M	F
Birla Campus, Srinagar								
SC	400	438	455	347	520	445	603	491
ST	49	55	66	48	82	62	90	66
OBC	240	178	286	172	355	215	338	222
General	2680	2465	2422	2638	2648	2831	2901	2906
Other PH	3	2	6	0	1	0	0	1
BGR Campus, Pauri								
SC	107	122	104	147	133	149	120	144
ST	10	2	9	1	6	3	5	7
OBC	21	26	33	36	23	41	59	69
General	379	680	415	773	430	799	516	834
Other PH	0	0	0	0	0	0	0	0
SRT Campus, Tehri								
SC	77	57	56	44	88	20	77	60
ST	17	6	11	3	20	13	21	3
OBC	79	67	38	56	105	69	96	76
General	639	716	467	648	600	659	666	813
Other PH	0	0	0	0	0	0	0	0

2.1.7 Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase/ decrease.

The University takes the stock of the situation regarding admissions in each department. However, demand ratio is not calculated. Before the start of session every year, Admission Committee reviews the demand of the courses and the seats are increased accordingly. In exceptional case like in 2013 disaster, the University increased 20% of the seats to cater to the needs of the local people displaced by the floods. There is significant trend towards professional course run in the departments like Department of Business Management, Pharmaceutical Sciences, Engineering, Computer Science and Physical education. On the basis of increased demand ratio the seats are enhanced taking stock of the infrastructural facilities and number of faculty.

2.1.8 Were any programmes discontinued/ staggered by the university in the last four years? If yes, please specify the reasons.

The BBA programme offered by the Department of Commerce, SRT Campus, Tehri was discontinued due to non availability of sufficient number of students.

2.2 Catering to Student Diversity

2.2.1 Does the university organize orientation/induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

The University maintains an updated website providing detailed information relating to various courses, profile of each department and its faculty, course contents, library services and its working hours, administrative sections, hostels, canteen and various facilities available to the students. This projection thorough university website enables freshers to have first-hand knowledge of the university.

Majority of the departments conduct Orientation/ Induction programme for the freshers usually in the first week of commencement of new session. The head of the department and senior faculty members make the students aware of the course structure, assessment methods, general rules and regulations governing the course, teaching pedagogy, future prospects of the subject and the academic schedule of the university. A brief deliberation is made on the department and its alumni, the available facilities, code of conduct including the anti-ragging rule and importance of maintaining discipline in the campus. Also, all the teachers in their opening class further deliberate in detail the course content, assignments and sessional tests schedule.

2.2.2 Does the university have a mechanism through which the “differential requirements of the student population” are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

The university takes care of the differential requirements of the students population through remedial classes organized for weak students. The faculty members at departmental level take care of special requirements of different students. There is provision of Student Advisor under the ordinances of PG programmes. The students counseling is done the hostels too by a pool of experts as per the recommendation and requirement of the hostel wardens.

2.2.3 Does the university offer bridge/ remedial/ add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

The University has mechanism of offering remedial classes for slow learners particularly for the students coming from weaker sections and marginalized communities. University offers free coaching to the students for preparation for All India Competitive examinations, Guidance for NET/SET/GATE appearing students.

No, bridge and add on courses are not offered by the University in its

campuses, however, some add on courses are offered by the affiliated colleges.

2.2.4 Has the university conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?

No, the university has not conducted any such study so far. However, faculty members take special efforts during continuous assessment for the slow learners, who need a special coaching. Also, there is a dedicated UGC SC/ST Cell which conducts remedial classes for the disadvantaged sections of the society, including the economic backwards also. The Dean Students' Welfare, Equal Opportunity Cell, University Employment Information and Guidance Bureau also offer their support to such group of students. There is one such institute affiliated to our university National Institute of Visually Handicapped (NIVH) which especially caters to visually handicapped students.

2.2.5 How does the university identify and respond to the learning needs of advanced learners?

Advance learners are given opportunity to select latest topics in the subject to be presented during their seminars. Also opportunity is given to them to select the project work of their interest. Steps are taken to expose them to the latest developments in the discipline by arranging for their project work in national laboratories, industries and leading firms especially in departments of Pharmaceutical Science, Biotechnology, Microbiology and Tourism.

2.3 Teaching-Learning Process

2.3.1 How does the university plan and organize the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?

- The Admission Committee of the university decides its Academic calendar based on the UGC guidelines regarding the minimum number of teaching days in the beginning of the every session.
- The University designs the syllabus and curriculum programmes for all the courses through the Board of Studies and School Board, which is duly approved by the Academic and the Executive Council.
- The Time Table is designed ensuring the credit allocations. All co-curricular activities like seminars, field visits, guest lectures are also planned in the time table.
- Teaching workload as prescribed by the UGC is considered while allocating classes to teachers and demand for temporary faculty is sought, if required.
- Study/project works are assigned to the students under the guidance of the faculty members as per their approved syllabi.

2.3.2 Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Each faculty member provides course outlines to the students before the commencement of the session, which makes the students aware about the content, objectives and preparation for the subsequent lectures. The basic thrust of the course outline is on its updated dimensions and innovation. Information regarding the course is also provided to students in the Induction Programs organized by the departments. The effectiveness of the process is ensured with the help of PDCA by the internal as well invited external experts in some departments.

2.3.3. Does the university face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

Normally, no difficulty is faced in completing the syllabus within the stipulated time class. However, in case of exception teachers take extra classes to make up for the loss.

2.3.4. How learning is made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

- Learning is made student–centric by adopting learning activities like class seminars, assignments, group discussions, field trips, expert lectures and role plays.
- Live case studies are also discussed with the help of mentorship programme contained in academic ordinances as and where applicable. Case studies are the most prominent method of teaching in management, social sciences and law courses.
- The hostels and departments organize co-curricular activities and various activities beyond course curriculum to make the learning student centric.

2.3.5. What is the university’s policy on inviting experts/ people of eminence to deliver lectures and/or organize seminars for students?

University’s top priority is to organize special lectures by eminent speakers and visiting professors. There is budgetary provision in all professional courses to facilitate the cost of inviting subject experts for lecture. External experts are also involved in conduct of programmes on skill and personality development, career opportunities etc. Besides, eminent speakers are invited to deliver the commemorative lectures

like Gaura Devi Memorial lecture and Hemvati Nandan Bahuguna Memorial lecture. Special invited lectures are also organized on the occasion of the Foundation Day of the University.

2.3.6 Does the university formally encourage blended learning by using e-learning resources?

Many departments have smart classrooms with state of the art facilities. There is also facility of internet to facilitate the classroom teaching in an effective manner. The facility of UGC INFLIBNET helps the students and faculty to access and update about latest developments in their respective fields of learning.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

Majority of the departments have provided computers to the faculty members. Also broadband connectivity is available in many departments. Also, many departments have computer labs and interactive boards for facilitating learning and teaching. For effective e-learning and teaching the resources available in the Library are utilized. The faculties regularly update the students regarding open-educational resources. The notes of presentations by faculty are also provided to the students.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?

There is inspired teachers network (ITN) and innovation club in which the members of the group regularly interact, discuss and disseminate the latest developments in open source community. The Inspired teachers network (ITN) regularly interact with all the stakeholders to share and deliver the output oriented activities.

2.3.9 What steps has the university taken to orient traditional classrooms into 24x7 learning places?

- Apart from audio-visual facilities, smart classrooms and internet labs have been established in the library and other departments for the students.
- The library has access to over 7576 e-journals for the benefit of students, research scholars and faculty members.
- Central and departmental library are kept open beyond working hours for student's use.
- PG and research students can work in the departmental laboratories beyond the working hours and on holidays.

2.3.10 Is there a provision for the services of counsellors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

There is provision of mentorship programme in Academic Ordinance. Each faculty acts as teacher advisor to a group of students in PG programmes. The faculty members are involved in counseling the students regarding their academic, personal, psychological and social problems. Sufficient care is taken in each individual case. There is provision of counselors for all hostels appointed by Chief Hostel Warden who interact with the inmates periodically and as per the requirement.

2.3.11 Were any innovative teaching approaches/methods/practices adopted/ put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

- The case method of teaching has been instrumental to make the students understand the subjects easily. Similarly group exercises help them to understand the group dynamics and subject lucidly.
- Constant innovations in the teaching are an article of faith among the teachers at our University. The faculty adopts innovative teaching methods so as to instill analytical approach among the students, which is reflected in the writing and class room interaction.
- Post presentation discussion is integral part of the class seminars. This has certainly enhanced the confidence level of students over a period of time.
- Also practical are demonstrated by audio-visual aids besides the routine procedure.

2.3.12 How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?

The University inculcates the spirits among the students at both curricular and extracurricular level.

- Visits to national laboratories and institutions
- Field trips and study tours are organized as part of the curriculum (Geology, Geography, Forestry etc.)
- Students' exhibition is organized annually by the department of Drawing & Painting.
- Students are members of editorial board of student's magazine

published annually in each campus. Further, these magazines include articles, poems, short stories etc. contributed by the students.

- Students are involved in publishing newsletter (Comminique) and newspaper (Sanchar Tatwa) by the departments of Management and Mass Communication, respectively.

2.3.13 Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

Yes, students projects/dissertations/thesis is mandatory in almost all the PG Programs offered by the University.

*** Number of projects executed within the University**

On an average around 80-100% of the projects are executed within the University.

*** Names of external institutions associated with the University for student project work**

External institutions involved in the student's project work are as follows:

- CDRI, Lucknow, UP
- Raymonds Ltd.
- BSNL
- Pepsico Food Pvt. Ltd.
- Banks: Axis Bank/ICICI Bank/HDFC
- Pharmaceutical Companies: Ranbaxy and Alkem Pharmaceuticals
- Qwality Walls
- HCL
- BHEL
- Karvey Consultant India Ltd.
- Shri Cement
- Somany Ceramics Ltd.
- Cox and Kings
- Kuoni
- Reliance
- DUSS
- National Institute of Immunology, New Delhi
- JNU, New Delhi
- GBPIHED, Almora

*** Role of faculty in facilitating such projects:**

The faculty guides the students in finding suitable external institute for project work. The faculty or else the head of department communicate

with the concerned person of the external institute. A request is made by the head of department to the concerned institute for allowing the students to work in their organization. On acceptance of the request by external institute, few certificates as required by the external institute are issued to the students by the head of the department. Internal faculty monitors the progress of project work time to time.

2.3.14 Does the university have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

The University has a pool of well qualified teachers in the cadre of Professor, Associate professor and Assistant Professor to meet the requirements of the curriculum in most of the subjects. However, the newly sanctioned posts of teachers in all the cadres are lying vacant. The recruitment process for supplying vacancies to the vacant posts is under progress.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/ learning materials? What are the facilities available in the university for such efforts?

Most of the departments have computer labs with internet facility. Computers have been provided to faculty members so that they could prepare their teaching notes, presentations and facilitate computer aided teaching. In most of the departments internet access is available to the faculty members so as to keep them abreast with development in the field/ subject. At Central Library, online access to research journals are also available to the faculty members to update their subject knowledge.

2.3.16 Does the university have a mechanism for the evaluation of teachers by the students /alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

The University has adopted student feedback on evaluation of teachers recently. Teachers are assessed for the following attributes

- Subject knowledge
- Communication skills
- Sincerity and commitment of the teacher towards teaching
- Interest generated by the teacher towards subject
- Ability of the teacher to integrate course material with the surroundings and other courses
- Accessibility of the teacher to interact with the students, in and outside the class
- Ability of the teacher to conduct tests/ assignments/projects/ examinations to evaluate students' understanding of the course

- Overall personality of the teacher
- Teacher's sensitivity on individual attention for weak and slow learners

The feedback is analyzed and attempt is made by the head of the department in coordination with faculty members to address the grey area.

Earlier also, many of the departments did have teacher's feedback mechanism by the students.

2.4 Teacher Quality

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

The university extends full support for the professional development of the faculties by allowing its faculty to attend training programs, refresher and orientation courses, national and international conferences, seminars organized by external institutes/agencies.

External faculties are invited to give lectures on newer aspects of the curriculum. The faculty requirements of the course are assessed keeping in view the requirement of governing councils/UGC.

2.4.2 Furnish details of the faculty

Highest qualification	Professor		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	03	01	01	01	-	-	06
Ph.D	98	14	60	20	84	29	305
M.Phil.	-	-	-	-	-	-	-
PG	-	-	02	01	17	06	26
Temporary teachers							
Ph.D	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Part-time teachers							
Ph.D	-	-	-	-	105		-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	68		-

**2.4.3 Does the university encourage diversity in its faculty recruitment?
Provide the following details (Department /School-wise).**

Birla Campus, Srinagar

Department/School	% of the faculty from same University	% of faculty from other universities within the State	% of faculty from Universities outside the State	% of faculty from other Country
School of Agriculture & Allied Science				
Forestry & Natural Resources	87.5	-	12.5	-
HAPPRC	50	33	17	-
Horticulture	33	33	33	-
Rural Technology	100	-	-	-
Seed Science & Technology	50	50	-	-
School of Earth Sciences				
Defense & Strategic Studies	80	-	20	-
Geology	90	-	10	-
Geography	100	-	-	-
Remote Sensing & GIS	100	-	-	-
School of Life Sciences				
Botany & Microbiology	53	7	40	-
Environmental Science	33	-	67	-
Zoology & Biotechnology	44	17	39	-
Biochemistry	-	-	100	-
School of Sciences				
Chemistry	30	20	50	-
Home Sciences	-	-	100	-
Mathematics	50	50	-	-
Physics	61	27	12	-
Pharmaceutical Science	20	-	80	-
Pharmaceutical Chemistry	100	-	-	-
Statistics	75	-	25	-
School of Engineering & Technology				
Electronics & Communication Engg .	-	66	33	-
Instrumentation Engg.	40	20	40	-
Mechanical Engg.	-	-	100	-
Computer Science & Engg.	80	10	10	-
Information Technology	50	-	50	-
School of Arts Communication & languages				
Drawing & Painting	90	-	10	-
English	85	15	-	-
Folk and Performing Arts	50	50	-	-

Hindi	100	-	-	-
Library & Information Science	100	-	-	-
Sanskrit	50	-	50	-
School of Humanities & Social Sciences				
Anthropology	100	-	-	-
Economics	100	-	-	-
History	100	-	-	-
Philosophy	-	-	100	-
Political Science	60	20	20	-
Psychology	-	-	100	-
Sociology & Social Work	75	-	25	-
School of Commerce				
Department of Commerce	67	-	33	-
Secretarial Practices	100	-	-	-
School of Education				
Adult continuing Education & Extension	100	-	-	-
Education	72	-	28	-
Naturopathy & Yoga	-	-	100	-
Physical Education	-	-	100	-
School of Management				
Business Management	-	-	100	-
CMTHS	75	-	25	-

BGR Campus, Pauri

Department/School	% of the faculty from same University	% of faculty from other universities within the State	% of faculty from Universities outside the State	% of faculty from other Country
School of Earth Sciences				
Geography	66.6	-	33.3	-
Geology	60	-	40	-
School of Life Sciences				
Botany & Microbiology	-	100	-	-
Zoology & Biotechnology	100	-	-	-
School of Sciences				
Chemistry	66	-	33	-
Home Sciences	50	50	-	-
Mathematics	50	-	50	-
Physics	75	-	25	-
Statistics	100	-	-	-
School of Arts Communication & languages				
English	100	-	-	-

Hindi	25	-	75	-
Sanskrit	67	-	33	-
School of Humanities & Social Sciences				
Economics	66.6	-	33.3	-
History	50	-	50	-
Political Science	100	-	-	-
School of Education				
Education	60	40	-	-
School of Law				
Department of Law	-	50	50	-

SRT Campus, Tehri

Department/School	% of the faculty from same University	% of faculty from other universities within the State	% of faculty from Universities outside the State	% of faculty from other Country
School of Earth Sciences				
Defense & Strategic Studies	-	-	100	-
Geology	100	-	-	-
Geography	100	-	-	-
Remote Sensing & GIS				
School of Life Sciences				
Botany & Microbiology	100	-	-	-
Zoology & Biotechnology	83	-	17	-
School of Sciences				
Chemistry	100	-	-	-
Home Sciences	33.3	-	66.6	-
Mathematics	60	20	20	-
Physics	50	25	25	-
School of Arts Communication & languages				
Drawing & Painting	100	-	-	-
English	66	-	33	-
Hindi	66	-	33	-
Sanskrit	75	100	-	-
School of Humanities & Social Sciences				
Anthropology	100	-	-	-
Economics	75	-	25	-
History	-	-	100	-
Political Science	100	-	-	-
Sociology	100	-	-	-
School of Commerce				
Department of Commerce	13	-	87	-
Secretarial Practices	100	-	-	-
School of Education				

Education	50	25	25	-
School of Law				
Department of Law	12.5	-	87.5	-

2.4.4 How does the university ensure that qualified faculty is appointed for new programmes/emerging areas of study (Bio-technology, Bio-informatics, Material Science, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic, Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last four years?

The University ensures the appointment of faculty strictly as per UGC regulations. The University is offering following courses in the emerging areas, the details of recruitment is given below:

Sr. No	Name of Program	Recruitment in the last four years		
		Professor	Associate Professor	Assistant Professor
1.	M.Sc. in Biotechnology	-	-	03
2.	M.Sc. in Microbiology	-	-	03
3.	M.Sc. in Himalayan Aquatic Biodiversity	-	-	01

2.4.5 How many Emeritus/Adjunct Faculty/Visiting Professors are on the rolls of the university?

Nil

2.4.6 What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/ international conferences etc.)?

University gives utmost support to faculty members in academic terms in order to enhance their teaching /research skills. Study leave and duty leave are granted for purpose of pursuing the research/ higher studies and attending the National/International Conferences, Seminars, Symposia, etc, along with financial assistance as per the rule. Financial assistance is provided to all the departments to organize seminars/ workshops/conferences.

2.4.7 How many faculty received awards/ recognitions for excellence in teaching at the state, national and international level during the last four years?

Professor R.C. Dangwal, Department of Commerce has been awarded the Best Academic Award for Research and Teaching by Punjab Commerce and Management Association in Collaboration with Chandigarh University, Chandigarh in its 10th International Conference on Business Management and Economics.

2.4.8 How many faculty underwent staff development programmes during the last four years (add any other programme if necessary)?

Academic Staff Development Programmes	Number of faculty
Refresher courses	13
HRD programmes	-
Orientation programmes	24
Staff training conducted by the university	Nil
Staff training conducted by other institutions	-
Summer /Winter schools, workshops, etc	-

2.4.9 What percentage of the faculty have

- **been invited as resource persons in Workshops/ Seminars/ Conferences organized by external professional agencies?**
- **participated in external Workshops / Seminars / Conferences recognized by national / international professional bodies?**
- **presented papers in Workshops / Seminars/Conferences conducted or recognized by professional agencies?**
- **Teaching experience in other universities/national institutions and other institutions?**
- **Industrial engagement**
- **International experience in teaching**

On an average more than 50% of the faculty members are invited as external experts/resource persons/reviewers

2.4.10 How often does the university organize academic development programmes (e.g.: curriculum development, teaching-learning methods, examination reforms, content/ knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

Academic development programs are organized on timely basis. The departmental Board of Studies meets frequently to discuss curriculum development and evaluate teaching learning methods. The meetings of Academic Council, Examination Committee of the University are convened on regular basis for content/knowledge management and examination reforms.

2.4.11 Does the university have a mechanism to encourage

- **Mobility of faculty between universities for teaching**
- **Faculty exchange programmes with national and international bodies**

If yes, how have these schemes helped in enriching the quality of the faculty?

Yes, the University encourages the mobility of faculty members for

teaching in other Universities by sanctioning due leaves for a specified period. The faculty is also encouraged to participate in faculty exchange programs at national and international level.

These schemes have helped in enriching subject knowledge, exposure to emerging areas of research and enabling the faculty members to make liaisons with senior faculty members of other universities.

2.5 Evaluation Process and Reforms

2.5.1 How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?

All the ordinances, rules and regulations regarding examination and evaluation process are updated regularly and made available on the university website. In addition, the information regarding the same is available in the prospectus of the University. Induction/orientation program are organized in the departments at the commencement of session every year to make the students aware of the prevailing evaluation processes.

2.5.2 What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges? Cite a few examples which have positively impacted the examination management system.

The important examination reforms initiated by the University are as follows:

- Online Enrolment of the students
- Online submission of examination forms
- Online issuance of Hall tickets
- Pre and Post examination work computerized
- Online declaration of results

Future proposal: The process of electronic transmission of question papers to various examination centers, digital evaluation system and verification of examination related documents of students are under consideration.

2.5.3 What is the average time taken by the university for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode/media adopted by the university for the publication of examination results (e.g. website, SMS, email, etc.).

The time for declaration of results varies from course to course depending upon the number of students in the course and the number of subjects. On an average it takes about 30 days for declaration of result from the date of examination of last paper in the course.

In case of delay, the reason for delay is studied and efforts are taken to

overcome such reasons in subsequent evaluations. The results are published on university website and information regarding the declaration of result is announced in daily newspapers.

2.5.4 How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?

The rigorous features introduced by the University to ensure confidentiality are:

- The Board of Studies prepares/modifies/approves the panel of examiners including paper setters chosen from different universities in and outside of the state. Further, the final paper setters are selected by the Vice Chancellor from the given panel.
- Paper setters are directed to submit two sets of question papers, out of which one is selected.
- The appointments of the moderators/examiners are made by the university as per the provision the HNB Garhwal University.
- The coding of answer-books received from the examination centers is done under the direct supervision of the Controller of Examinations (COE). The code is kept under secrecy with the COE.
- The examiners are allotted bundles containing assorted dockets of answer books received from different centers and assigned a unique code for the same. The code is kept under secrecy with the COE.
- The COE receives the awards in ICR sheets from the evaluators which are then sent to Data Processing Unit (DPU) for scanning, processing and preparation of dummy results, under the supervision of Co-ordinator, DPU.
- The dummy is checked and cross-checked by the staff of COE's office for entries of marks and result calculated. In case any discrepancies, the due rectifications are made by the DPU before generation of final chart.
- The final chart is rechecked by the staff of COE's office before issuance of the results.
- The final notification regarding the result is uploaded in the university website by the COE.
- Further, the university ensures transparency in evaluation process by providing photocopies of answer books on demand to the students.
- The student can apply for scrutiny of their answer books as per university norms, duly mentioned on the reverse side of the marks sheets.

2.5.5 Does the university have an integrated examination platform for the following processes?

Pre-examination processes –Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.

Yes, the university has an integrated examination platform comprising of five sections i.e. Examinations, Secrecy, Confidential, Evaluation, Data Processing Unit (DPU), with a Deputy Registrar as in-charge under the COE.

The university examination section prepares the time table for all the examinations in close consultation with the secrecy section and university Departments and affiliated institutions. Subsequently, the time table is uploaded in the university website.

Online submission of examination form is mandatory for the PG programs. The payment of examination fees is through online payment gateway.

The University has introduced OMR/ICR sheets for filling up the examination forms of UG and other professional courses.

The DPU prepares the roll list of candidates which is verified by the Examination section and resend it to DPU for generation of admit cards, verification forms and attendance sheets which are then dispatched to different examination centers by the Examination Section.

For the conduct of examination Center Superintendent, Invigilators, Assistant Superintendent, Senior Superintendent are appointed as per university norms.

Also, flying squads (internal and external) are also constituted for ensuring fair examinations.

Examination process – Examination material management, logistics, etc.

The university provides Centre Charges for meeting out the logistics of the examination to each college. As per the plan of examinations, Secrecy Section manages the packing and distribution of question papers to all examination centers well in time. Each college has a separate examination section with a strong room for storage of all the confidential material, under the supervision of a controller. Adequate confidentiality is maintained at every stage. The university evaluation section (COE's office) collects the answer books periodically from all the centers.

Post-examination process–Attendance capture, OMR-based exam result, auto processing, generic result processing, certification, etc.

- The examiners are allotted bundles containing assorted docket of answer books received from different centers and assigned a

unique code for the same. The code is kept under secrecy with the COE.

- The COE receives the awards in ICR sheets from the evaluators which are then sent to Data Processing Unit (DPU) for scanning, processing and preparation of dummy results, under the supervision of Co-ordinator, DPU.
- The dummy is checked and cross-checked by the staff of COE's office for entries of marks and result calculated. In case any discrepancies, the due rectifications are made by the DPU before generation of final chart.
- After due notification of the results, marks sheets are printed by the DPU and sent to the Examination Section for verification and endorsement by COE. The marks sheets are then dispatched to the respective centres.

2.5.6 Has the university introduced any reforms in its Ph.D. evaluation process?

Yes, the university has introduced many reforms in its Ph.D. evaluation process. The major reforms are listed below

- Admission to Ph.D. program is done on the basis of All India Entrance test followed by an interview. The interview Committee is constituted by the approval of Vice Chancellor.
- A 6 months Pre-Ph.D course is mandatory in accordance with the UGC regulations 2009 and subsequent amendments.
- Out of a panel of 8 examiners, 4 each submitted by the BoS Chairperson and the supervisor, the Vice Chancellor selects any 3 examiners for evaluation.
- The examiners shall be persons not in service of University, out of which at least two shall be outside of the state.
- The candidate shall publish at least one research paper in referred journal before submission of thesis.
- Prior to submission of thesis, the student shall make a pre-Ph.D presentation in the department.
- The final thesis is also to be submitted in soft copy to the University.

2.5.7 Has the university created any provision for including the name of the college in the degree certificate?

The University has a provision for including the name of the college/Campus/Institute in the mark sheet only. There is no mention of the name of affiliated colleges and institutes in degree certificate.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations?

The students can avail the facility of scrutiny in case of grievance related to marks obtained by submitting a nominal fee in the university. The student can obtain a copy of his answer books under RTI Act in case of grievance.

Internal assessment (sessionals) answer sheets are displayed to the students and any discrepancy is redressed.

2.5.9 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination division/section.

The university has adopted an IT support system to streamline the process of examination. Every student is allotted a unique enrollment number which helps to maintain a track of his/her examination records. Moreover, every year a unique roll number is issued to each student for facilitating the evaluation process.

The process of examination right from receiving the examination forms; generation of roll list and admit cards; processing of evaluated awards sheets and declaration of results are completely computerized. The results are uploaded in the university website. The students/concerned colleges can print the admit cards and marks sheets at their end.

2.6. Student Performance and Learning Outcomes

2.6.1 Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

The quality, skills, knowledge and other graduate aptitudes of the University are reflected in the Vision Statement and Mission of the University. The objectives of department also highlight the attributes a student should develop during their stay in the department. The attributes are monitored at departmental level and the outcomes are evaluated holistically.

2.6.2 Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

The University has clearly stated learning outcomes for its academic programs. Before the commencement of academic session an induction/orientation program is organized by the department every year to make the students aware of the academic program. In addition, the faculty members are also motivated by the respective Heads/Deans to put in efforts to achieve the outcomes of the academic programs.

2.6.3 How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

The departmental faculty meetings are held regularly to review the learning outcomes of its academic programmes. A Student Advisor for each course is responsible for monitoring the assessment of student. The marks obtained in the internal examinations are displayed on the notice board and the students are allowed to view their respective copies. The suggestions, improvement sought are highlighted in the copies by the faculty members so as to ensure better performance in the main examinations. The meetings of Board of Studies are frequently held to discuss the ways and means of the evaluating the learning outcomes of the university.

2.6.4 How does the university collect and analyze data on student learning outcomes and use it to overcome the barriers to learning?

The regular interaction in the class and performance in the sessional-tests, seminar presentations and assignments are regularly examined by the respective teachers and the students are advised accordingly. Of late, the IQAC of the university has also initiated monitoring of academic progress of the departments.

The slow learners and weaker sections are given remedial inputs to overcome their barrier to learning.

2.6.5 What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

- Some of the departments have deployed ICT for enhancing student learning. Others are in the process of setting interactive boards for the same. Moreover, the library is equipped with e-journals and e-books for students as well as for faculty members.
- National Programme for Teaching & Learning lectures are provided to the students for enhancement of learning process in complex subjects like engineering and sciences.
- In some of the departments, smart class rooms are used to make learning process more interactive and interesting.
- Setting up of Wi-Fi Campus with free access to internet by the students is under progress.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the university have Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes, the university has a statutory body i.e., the Board of Studies (BoS) constituted for each subject which also addresses all issues related to research. The BoS consists of the following members:

- The Head of the Department concerned: Convenor of the BoS
- The following regularly appointed teachers of the Department concerned professing the subject or subjects assigned to the Board, namely:
 - All Professors
 - One Associate Professor
 - One Assistant Professor
 - Two external members
 - Two cognate members
 - One senior most teacher of relevant subject amongst teachers of Affiliated Colleges for the period of one year by rotation.

One significant recommendation implemented by the University was to consider issuance of Ph.D. degree to candidates in anticipation of the Executive Council's approval. Earlier the candidate even after successful conduct of viva-voce had to wait for the approval by the EC in the subsequent meeting. The decision is a relief to the candidates as at times, the EC meeting gets delayed due to unavoidable reasons.

3.1.2 What is the policy of university to promote research in its affiliated/ constituent colleges?

Since all affiliated colleges are governed either by the state government or management, the University has only academic control over these colleges/institutes. Therefore, same guidelines and norms for the promotion of research are applicable for university and its affiliated colleges. University's BoS of subject approves the synopsis and the progress report of the research work being carried out in affiliated colleges. Seats for Ph.D. are earmarked for affiliated colleges and the candidates are selected based on their choice of Campus seat or affiliated college seat from common merit list prepared on the basis of all India entrance test. All such selected candidates undertake a Pre-Ph.D. course of six months duration in the main campus of the University.

3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects?

The University has a separate section to operate the research projects and scholarships where full time dealing assistant and accountant are deputed.

*** advancing funds for sanctioned projects**

On request of Principal Investigator (PI), the University sanction funds in advance under admissible heads for smooth conduct of the project work (contingency, travel, field visits etc.).

*** providing seed money**

Till now there is no such policy adopted by the University. Nonetheless, all necessary infrastructure facilities are provided by the University.

*** simplification of procedures related to sanctions/ purchases to be made by the investigators**

Prior sanction for all purchases is obtained from the competent authority. All the purchases are to be made as per the GFR applicable for the University. Purchase of consumables and equipments are made from the University approved panel of firms. The finance section processes all the bills for payment as per the procedure.

*** Autonomy to the principal investigator/coordinator for utilizing overhead charges**

The University permits the principal investigator to avail 40-50% of the overhead grant for developing infrastructure facilities for laboratory.

*** Timely release of grants**

As University receives first instalment of the research project an account is opened in a nationalized bank in the name of Registrar and is operated by the Finance Officer of the University. Separate cash book for each project is maintained by the University, thus, facilitating timely release of grant

*** Timely auditing**

The University facilitates auditing of accounts of each project, by the Internal Audit Cell. The audit can be done from the outside agency (Chartered Accountant) by paying them consultancy fee for quick and timely auditing of all accounts.

*** Submission of utilization certificate to the funding authorities**

On the request of Principal Investigator, the University after due verification issues Provisional Utilization Certificate and forward the same to funding agency for the release of subsequent grants.

3.1.4 How is interdisciplinary research promoted?

*** between/ among different departments /schools of the university**

and collaboration with national/ international institutes/ industries.

The different departments of the University work in collaboration for research projects of PG students. Interdepartmental research work is also promoted by a provision of co-supervisor in Ph.D. from other department of the University.

The University has collaborations with National Medicinal Plant Board (NMPB), Himalayan Forest Research Institute (HFRI), JUIT, Institute of Himalayan Bioresource Technology (IHBT), for identification of superior genetic stock of *Picrorhiza kurrooa* and *Valeriana jatamansi*; Govind Ballabh Pant University of Agriculture and Technology (GBPUAT), National Medicinal Plant Board (NMPB) for Genetic variability and chemical and molecular determinants of *Acotinum balfourii*; State Medicinal Plant Board (SMPB), NMPB, HRDI for establishment of model nursery, MoES-DST for Stain budget crustal deformation, Jamia Milia Islamia for Translation; DST-NSF for ecological and taxonomic study of ectomycorrhizal fungi; WWF-India for determining the environmental flows of the Ganga and Ramganga (2009-10; 2015) DCFR under outreach program for Sustainable utilization of mountain fishery resources (2009-2012).

3.1.5 Details of workshops/ training programmes/ sensitization programmes conducted by the university to promote research culture in university.

2010-2011	
Department of Forestry and Natural Resources	
1	National workshop on Potential of Van Panchayats for REDD+ Pilot Project in Uttarakhand, 26-27 March 2011.
High Altitude Plant Physiology Research Centre (HAPPRC)	
2	Organised one day training programme on “On farm conservation and sustainable utilization of natural resources” (29/03/2010) for villagers (50 no.) of Tala, Usara, Ukhimath, District, Rudraprayag.
3	Organised one day training programme on “On farm conservation and sustainable utilization of natural resources” for villagers (50 no.) of Tala, Usara, Ukhimath, District, Rudraprayag.
4	Organised three days training programme on “Cultivation and Marketing of Medicinal and Aromatic Plants” (16/9/2010-18/9/2010) for Official (30 no.) of Agriculture and Soil Conservation Unit of Pauri Garhwal, Uttarakhand.
5	Organised three days training programme on “Nursery development, cultivation and Marketing of Medicinal and Aromatic Plants” (28/3/2011-30/3/2011) for farmers (50 no.) selected by Livelihood Improvement Project for the Himalayas (LIPH), Bageshwar and HRDI, Gopeshwar, Chamoli, Uttarakhand

Department of Chemistry	
6	Green Chemistry and Water Management. Green Chemistry Education: Necessity of a Sustainable Future. 22-23 March 2011, Workshop organized by Department of Chemistry, HNB Garhwal University. Sponsored by UCOST and HNBGU.
Department of Physics	
7	7th International Workshop on Neutrino-Nucleus Interactions in the Few-GeV Region, Dehradun, India, 7-11 March 2011.
Department of Geology	
8	Professor Y. P. Sundriyal organized 4 INSPIRE Science Camps in which 795 (top 1% performer of Class X Board) students from 75 Schools of Garhwal Mandal participated sponsored by DST under INSPIRE Scheme. (1st camp 21st November to 25th November 2010, 2nd camp from 30th November to 4th December, 2010, 3rd camp from 10th December to 14th December 2010, 4th camp was organized from 17th December to 21st December 2010).
Department of Adult Continuing Education & Extension	
9	A workshop on designing a research project for Mapping Skills Development Resources Available in the Garhwal Region 26-27 March, 2011, SGRR Institute of Medical and Health Sciences, Dehradun in Collaboration with Indian University Association for Continuing Education
10	Workshop on Career Orientation and Personality Development for Students, 18-19 and 21-22 February, 2011 Organized in collaboration with Career Counseling and Placement Cell of the University and Hero Mind Mine Regional Coaching Centre, Dehradun, Govt. P.G. College, Jaiharikhal and Gopeshwar
Department of Sanskrit	
11	Department organized a Regional workshop on Manuscripts, funded by NMM, New Delhi (Prof J. K. Godiyal was Director of workshop and Ms Meenakhi Upreti and Dr Kusum Dobriyal were members of organizing committee and Resource persons), 30 March 2011.
Department of Political Science	
12	Organized Workshop on Higher Education for Sustainable Future in India: Constraints and Solutions' in Collaboration with United States: India Education Foundation, New Delhi (Under International Education Week) November, 15, 2010.
Department of Psychology	
13	Conducted Induction training for staff Nurses of Uttarakhand, under GFATM-7 Project, 17-21 June 2010.
14	Conducted training for supportive supervisors, under GFATM-7 Project, 2-5 March 2011
Department of Environmental Sciences	
15	Workshop on State Action Plan for Climate Change (07 May 2011)

2011-2012	
High Attitude Plant Physiology Research Centre (HAPPRC)	
1	Organised two days Training Programme for 30 farmers selected from Dewal and Ukhimath Developmental Block of Chamoli and Rudraprayag District of Uttarakhand, respectively, on selected important medicinal plants, under Network Project funded by NMPB, New Delhi during February 27-28, 2012.
Department of Horticulture	
2	Conducted Educational Training Tour to Horticultural Research Centre (HRC), Chauras for the students of various Inter Colleges twice under ISPIRE programme sponsored by DST, New Delhi and H.N.B. Garhwal University, Srinagar (Garhwal) during 2011-12.
3	Conducted one day Extension and Training Programme in the Department and Horticultural Research Centre (HRC), Chauras for the students & teachers of three Inter Colleges of Pauri and Tehri Garhwal.
Department of Chemistry	
4	Workshop on 'Green Chemistry Education' organised by the Department of Chemistry at Dehradun on March 22-23, 2011.
Department of Home Science	
5	MA Home Science Final year students conducted a Survey on 'Health and hygiene practices of adolescent girls during menstruation in Chamba block of Tehri district' during February-March 2012.
6	MA Home Science Final year students conducted a Survey on 'Mobile use among young people in Chamba block of Tehri district' during February-March 2012.
Department of Adult Continuing Education and Extension	
7	Orientation Programme was organised for field level functionaries (extension workers) from 12 to 14 April, 2011.
8	Workshop on 'Documentation of Poems, Based on Environmental Issues' during 23-25 November, 2011 at HNB Garhwal University campus, Srinagar Garhwal.
9	5 Days Course on Research Methodology was organised for campus students from 28 February to 3rd March, 2012.
10	Workshop on 'Skill Development in Folk Theatre' under Individual Interest Promotion Programme during 11-27, March 2012 at HNB Garhwal University, Srinagar Garhwal.
Department of Education	
11	The Department organized 'Scout Guide Camp' from 2nd April to 6th April, 2011 at HNB University, Srinagar Campus.
12	The Department organised 'Workshop for IGNOU Pupil Teachers' from 2nd June to 13th June 2011 at HNB University, Srinagar Campus.
Department of Naturopathy and Yoga	
13	State level Himalayan Yoga Olympiad (25 November 2011).

Department of Instrumentation Engineering and Technology	
14	Organized a National Workshop on 'Intellectual Property Rights & Patent Awareness' on March 28, 2012
Department of Psychology	
15	Conducted 07 Induction/Refresher (5 days) HIV/AIDS Programme for Counselor/Staff Nurse/ANM of Uttarakhand state Under GFATM Round-7 Project at Dehradun (2011-12).
Department of Sociology and Social Work	
16	Workshop on 'AIDS Awareness' organized by National Service Scheme (NSS) and Red Ribbon Club at S.R.T Campus, December 01, 2011. (Dr. Geetali Padiyar was the Convener of the Workshop)
Department of Law	
17	Organized 'Legal Literacy & Awareness Camps' in the campus and nearby villages during 2011-12. Through the Legal Awareness Camps the teachers and students of the department create awareness among people about their legal rights and legal provisions.
Department of Botany and Microbiology	
18	Workshop organized on 'Intellectual Property Rights/Patent Awareness' in S.R.T. Campus, Badshahi Thaul on 26th November 2011. (Dr. L.R. Dangwal was the convener of the workshop).
19	Workshop cum Training Programme for 'Employment of Rural Women Folk through Honey Production' sponsored by DBT, New Delhi was conducted by the Department. In this series two training programmes /workshops have been conducted in 2011-12 for the women of Pindar valley in Distt. Chamoli of Uttarakhand to train them in modern methods of bee keeping and strengthen the economy.
Department of Environmental Sciences	
20	Workshop on State Action Plan on Climate Change in Uttarakhand (May 07, 2011)
Department of Business Management	
21	Workshop on 'Research Methodology' in Department of Business Management at Chauras Campus on 18 October, 2011
22	Workshop on 'Supply Chain Management in Rural Development' in Department of Business Management at Chauras Campus on 11 November, 2011
23	Two days 'Entrepreneurship Development Programme (EDP)' organised in collaboration with Indian Institute of Entrepreneurship under Ministry of Micro, Small and Medium Enterprises, Govt of India at Department of Business Management at Chauras Campus during 28-29 February, 2012.
Centre for Mountain Tourism & Hospitality Studies	
24	Workshop on 'Internet Banking: Its role in Customer Empowerment' organised in collaboration with State Bank of India, Srinagar Garhwal on 14 March, 2012.

	Centre for Mountain Tourism and Hospitality Studies (CMTHS)
25	Conducted two days 'Skill Development Workshop cum Training Programme for Local Community Members in Ghuttu Region of Bhilangana Valley' in Ghuttu, District Tehri Garhwal in joint collaboration of National Aforestation & Ecodevelopment Board (NAEB), Ministry of Environment & Forest (MoEF), Govt. of India on 28-29 June, 2011. (Prof. S.C. Bagri was the convener of the training programme)
26	Conducted 7 days 'Tourist Guide Programme' for 30 unemployed youths of district Chamoli during 2011-12. The programme was sponsored by District Administration and all successful trainees were issued Tourist Guide License to guide the tourists visiting places in Uttarakhand.
2012-2013	
Department of Forestry and Natural Resources	
1	Organized a two day training workshop on 'Applied Statistical Methods in Research', Convener: Dr. Rajiv Pandey, March 15-16, 2013.
High Altitude Plant Physiology Research Centre	
2	Organized review workshop of network programme on 'Population Assessment and identification of superior genetic stock of <i>Picrorhiza kurrooa</i> Royle ex Benth and <i>Valeriana jatamansi</i> Jones by screening different populations from North-Western Himalayas (H.P. and Uttarakhand)', September 27, 2012.
3	Organized two days training programme for 60 farmers selected from three villages of Dewal Block of Chamoli District of Uttarakhand, on 'Conservation and Cultivation of Selected MAPs', under Jatamansi project funded by NMPB, New Delhi, October 8-9, 2012.
4	Organized one day on-site training programme in Kotma village of Rudraprayag district on cultivation of medicinal plants in collaboration with Krishi Vigyan Kendra, February 20, 2013.
Department of Horticulture	
5	Conducted one day extension and training programme in the Department and HRC, Chauras separately for the students and teachers of seven inter colleges of Pauri and Tehri Garhwal.
6	Conducted four educational training tours to HRC, Chauras for the students of various inter colleges of Uttarakhand state under INSPIRE Programme
7	Conducted one day extension training programme for the 'Progressive Farmers of Tehri District', HRC Chauras, July 25, 2012
8	Conducted one day extension training programme for the 'Progressive Farmers of Uttarkashi District', HRC Chauras, February 5, 2013.
9	Conducted one day extension training programme for the 'Progressive Farmers of Haryana State', HRC Chauras, March 30, 2013
10	Horticultural extension services was undertaken for the farmers at village Lachhmauli, Kirtinagar Block of Tehri District

Department of Geology	
11	Organized 'Science Academies Lecture Workshop on Tectonic Geomorphology', sponsored by Indian Academy of Sciences, Bangalore; The National Academy of Sciences, Allahabad; Indian National Science Academy, Delhi and HNB Garhwal University, Srinagar (Garhwal), Coordinator: Professor Y.P. Sundriyal, October 30 – November 2, 2012.
12	Organized DST sponsored 4 INSPIRE Science Camps (5 days each), Coordinator: Professor Y.P. Sundriyal, September, December 2012 and January, 2013.
Department of Remote Sensing and GIS	
13	Organized three days training programme on 'ArcGIS Software', imparted by the experts from ESRI India, New Delhi, October 17-19, 2012.
14	Organized two days training programme on 'GPS Mobile Mapper 10', imparted by the experts from PAN India Consultant Pvt Ltd, Gurgaon, November 2-3, 2012.
15	Organized three days training programme on 'ERDAS Imaging Software', imparted by the experts from Integraph SG & India Pvt Ltd, Gurgaon, November 8-10, 2012.
Department of Physics	
16	Organized Technical Programme Discussion Meeting of Board of Research in Nuclear Sciences, SRT Campus, Badshahi Thaul, Coordinator: Professor R.C. Ramola, June 15-16, 2012
17	Organized a three days meet cum workshop on '27th Meeting of the Indian Association for General Relativity and Gravitation' Birla Campus, Srinagar, Convener: Dr. K.D. Purohit, March 7-9, 2013.
Department of Statistics	
18	Organized two days workshop on 'Statistical Techniques Using SPSS' on the occasion of National Mathematical Year, November 5-6, 2012
Department of Psychology	
19	Organized five days Induction Training for FICTC Counselors/ANM/Staff Nurse, September 10-14, 2012.
20	Organized five days Induction Training for FICTC Counselors/ANM/Staff Nurse, September, 24-28, 2012
21	Organized three days FICTC Refresher Training, February 5-7, 2013.
22	Organized three days FICTC Refresher Training, February 12-14, 2013.
Department of Sociology and Social Work	
23	Organized workshop on 'Current Developmental Policies related to Ganga and Himalaya', October 12, 2012.
24	Organized workshop on 'Positive Energy', October 16, 2012.
25	Organized workshop on 'Role of Police, Social Workers and Advocates in the Control of Crime in Society', October 17, 2012
26	Organized workshop on 'Role of Voluntary Organization in the Development', November 15, 2012.

27	Organized workshop on 'Environment and Forest', November 26, 2012.
28	Organized workshop on 'Role of Panchayat in the Development' for representatives from various panchayat's from Himachal Pradesh, March 11, 2013.
Department of Adult Continuing Education and Extension	
29	Conducted three months computer literacy training programme for rural community, Continuing Education Centres, Kundi and Bakroda, Sabdarkhal, Pauri Garhwal, June 01- August 31, 2012.
30	Organized one day workshop on 'Personality Development and Career Options', Govt Inter College, Sabdarkhal, Pauri Garhwal, August 13, 2012.
31	Conducted three months computer literacy training programme for rural community, Nice Computer Centre, Bhaktiyana, Srinagar Garhwal, September 1 – November 30, 2012.
32	Conducted three months course on 'English Speaking and Communication Skill' in the department, October 1 – December 31, 2012.
33	Organized workshop on 'Personality Development and Career Opportunities', Govt Inter College, Ojali, Pauri Garhwal, October 10, 2012.
34	Organized 10 days workshop on 'Career Counseling and Guidance', Department of Physical Education, Birla Campus, Srinagar, December 10-20, 2012.
35	Organized 1 month crash course on English speaking in the Department, February 19 – March 20, 2013.
36	Organized training on 'Fruit and Vegetable Preservation', CEC Bakroda and CEC Kot, Pauri Garhwal, February 23-27 and March 11-15, 2013, respectively
37	Organized 3 days workshop on 'Public Concern in the Folk Songs of Shri Narendra Singh Negi', Birla Campus, Srinagar, March 11-13, 2013.
38	Organized one week workshop on 'Research Methodology' for campus students, March 18-24, 2013.
Department of Education	
39	Organized workshop on 'Education for Sustainable Development in Context of Teacher Education', Uttaranchal College of Education, Dehradun, October 18, 2012
40	Organized an open space workshop on 'WE4AL – The Green Communities, Working towards SD: Cooperation among Local People' in an International conference on 'The Power of ESD – Exploring Evidence & Promise', Gotland University, SWEDEN, Sweden, October 26, 2012.
Department of Business Management	
41	Organized workshop on 'Environmental Management: Challenges for Sustainable Development', August 28, 2012.

42	Organized two days awareness programme on 'Entrepreneurship Development', September 28-29, 2012.
43	Organized workshop with Afghanistan Aid Officials and group of farmers on 'Capacity Building through Packaging', March 10, 2013.
2013-2014	
Department of Forestry & Natural Resources	
1	Seven Days Training Workshop on "Applied Statistical Methods in Research" for Ph.D. Scholars at HNB Garhwal University, Srinagar-Garhwal funded by U-COST, Dehradun (December 9-15, 2013). Organizer: Dr Rajiv Pandey
High Altitude Plant Physiology Research Centre	
2	On farm training/ interaction meet and training cum demonstration was organized during 2013-2014 with villagers of Ushada village at Tala, Ukhimath (Rudraprayag) for adopting cultivation of MAPs in large scale for livelihood as well as for conservation.
3	A three day Training Programme on "Alpine Ecosystem Dynamics and Impact of Climate Change in Indian Himalaya" was organised from October 1-3, 2013 by SAC, Ahmedabad and HAPPRC at Tungnath for scientists of Himalayan states of India.
Department of Geology	
4	A 17 days Field Workshop/ Training Programme on "Transect across Chandigarh- Manali-Leh-Panamik: Traversing Indian Plate to South Eurasian Plate understanding Tectonic Framework, Plate Tectonic Evaluation and Quaternary Sequence of India" was organized during 21st August to 6th September, 2013. 17 Ph. D. students from different Universities, IITs, and Research Institutes got field training of mapping. The programme was sponsored by DST with a budget allocation of Rs. 26.75 lakh. Programme Coordinator: Prof. Y. P. Sundriyal. Mentors involved: Dr. V. C. Thakur, Wadia Institute of Himalayan Geology, Dehradun; Prof. G. V. R. Prasad, Delhi University; Dr. Navin Juyal, Scientist, PRL Ahmedabad; and Prof. Santosh Kumar, Kumaun University.
Department of Statistics	
5	On the occasion of International Year of Statistics (2013) the Department of Statistics organized Two Days "Advance Training Programme on SPSS (ATP on SPSS)" at Chauras Campus (January 30-31, 2014). Dr. Amit Choudhary, Gauhati University and Dr. Suriendhar Kumar, BRA University, Lucknow were the invited Resource Persons. Organizing Secretary: Prof. O. K. Belwal.
Department of Economics	
6	National Workshop on "Census of Uttarakhand and India 2011: Data Dissemination" sponsored by Directorate of Census Operation Uttarakhand, Ministry of Home Affairs, Government of India (October 9, 2013).

Department of Psychology	
7	Five days “ICTC Counselor’s Refresher Training on New Manual” at Dehradun (January 27-31, 2014)
8	Five days “ICTC Counselor’s Refresher Training on New Manual” at Dehradun (March 03-07, 2014).
Department of Sociology & Social Work	
9	Workshop on ‘World AIDS Day’ was organized in the Srinagar Campus (December 01, 2013).
10	Workshop on ‘Disaster Management’ was organized in the Srinagar Campus (December 8, 2013). Prof. B. K. Nagla, MD University, Rohtak, noted environmentalist Shri Jagat Singh Jangali and Dr. M. S. Panwar, Department of Geography participated as a panellist.
11	Workshop was organized on ‘Role of Community in the Conservation of Forest’ in the Srinagar Campus (January 18, 2014).
Department of Adult Continuing Education and Extension	
12	Workshop on “Forest Fire: Problems and Solutions” on the occasion of World Environment Day at Malu Pani Village, Tehri Garhwal (June 5, 2013).
13	Workshop on “Research Methodology for Research Scholars” at HNB Garhwal University Campus, Srinagar-Garhwal (March 5-14, 2014).
14	Training Programme on ‘English Speaking & Communication Skills’ at HNB Garhwal University Campus, Srinagar-Garhwal (February 19 to March 20, 2014).
15	Workshop on “Career Conference” at HNB Garhwal University Campus, Srinagar-Garhwal (May 7, 2013).
Department of Naturopathy and Yoga	
16	‘One Month ‘Certificate Course in Yoga (Only for Foreigners)’ at Vanprashst Ashram, Rishikesh (January 26-February 20, 2014).
17	10 Days ‘Yoga Training Camp’ for students of Boys Hostel, Chauras Campus, HNB Garhwal University (February 10-20, 2014).
Centre for Mountain Tourism and Hospitality Studies	
18	Five Days Training Programme for the Guest House Managers of Badri-Kedar Temple Committee (BKTC) in the department (April 16-20, 2013)
19	International Conference on “Tourism and Hospitality Industry: Modern State, Problem & Perspectives” jointly organized by CMTHS, HNB Garhwal University, Srinagar-Garhwal & Graphic Era University, Dehradun at Dehradun (May 11-12, 2013).
Department of Business Management	
20	One Day Regional Workshop for NSS volunteers on “Systematic Voters’ Education and Electoral Participation (SVEEP)” at S. P. Memorial College, Srinagar-Garhwal (December 27, 2013).
21	National Workshop on “Career Development of Youth through Management Education” jointly by Department of Business Management and Association of Indian Management Schools (AIMS) at

	Birla Campus, HNB Garhwal University, Srinagar-Garhwal (March 13, 2014). Organizing Secretary: Dr. A. C. Pandey.
22	Two Days Workshop on “Application of MS–Excel in Business Decisions” for MBA Students, HNB Garhwal University, Srinagar-Garhwal (31 March-1 April, 2014).

3.1.6 How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?

So far no adjunct professors have been appointed by the University. Nonetheless, eminent researchers are regular visitors to the university as experts in BoS, workshops, seminars etc. Also, professor visiting the department as external examiners for conducting Ph.D viva-voce, often deliver lectures and interact with faculty and students. The students are exposed to newer developments in the frontier areas of research.

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

As such no budget is earmarked for the research as research grant. However, annually a grant for laboratory consumables, equipments, books and journals is allocated to the departments which are used for research purpose.

The break-up of grants allotted under different heads in the last four year is as follows:

Plan Allocation

Sr. No.	Campus wise distribution	Lab. consumables	Equipments	Books & Journals	Total Grant
1.	Birla Campus, Srinagar				
	2010-11	8,50,000			8,50,000
	2011-12	27,00,000	260,20,000	114,52,500	401,72,500
	2012-13		150,75,000	58,16,000	208,91,000
	2013-14	93,50,000	123,50,000	70,21,200	287,21,200
	2014-15	65,75,000	137,00,000	108,05,000	310,80,000
2.	BGR Campus, Pauri				
	2010-11	5,50,000			5,50,000
	2011-12	17,50,000	43,20,000	33,65,250	94,35,250
	2012-13		25,35,000	14,00,000	39,35,000
	2013-14	12,00,000	18,00,000	16,80,000	46,80,000
	2014-15	10,25,000	18,25,000	27,23,000	55,73,000
3.	SRT Campus, Tehri				
	2010-11	5,50,000			5,50,000
	2011-12	20,50,000	52,90,000	44,22,500	1,17,62,500
	2012-13		37,65,000	18,36,000	56,01,000
	2013-14	16,70,000	24,50,000	22,03,200	63,23,200
	2014-15	11,00,000	20,05,000	33,70,000	64,75,000

Non-Plan Allocation

Head	2010-11	2011-12	2012-13	2013-14
Consumables and Laboratories	20,77,154	1,72,110	31,37,085	61,53,000
Books and Journals	68,66,902	1,96,880	3,64,563	5,26,589

3.1.8 In its budget, does the university earmark fund for promoting research in its affiliated colleges? If year, provide details.

No, there is no such provision. The affiliated colleges are under financial control of either the State government or Management.

3.1.9 Does the university encourage research by awarding Post Doctoral Fellowships/Research Associates ships? If yes, provide details like number of students registered, funding by the university and other sources.

No, the university does not award Post Doctoral Fellowships/Research Associate ships.

3.1.10 what percentages of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?

So far none of the faculty has utilized the sabbatical leave for pursuit of higher research. However, the university has a provision to grant sabbatical leave.

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.

2010-2011	
Department of Mathematics	
1	Organized a National Conference on Nonlinear Analysis and Applications, 5-7 June 2010, H.N.B.Garhwal University Campus Pauri.
Department of Adult Continuing Education & Extension	
2	National Seminar on Panchayat Raj and Rural Development at University Campus, Srinagar, 12 November, 2010. A book edited and published by the Department on the above subject was also released on this occasion by the Hon'ble Chief Guest Union Minister of State for Labour and Employment, Shri Harish Rawat
3	A regional seminar was organized on the occasion of World Environment Day (5 June, 2010) at University Campus.
4	A Seminar on Role of Education Institutions in increasing Women Literacy. Organized on the occasion of International Literary Day (08 September, 2010) at District Institute of Education and Training, Pauri

	Garhwal.
5	Organized a symposium on AIDS Awareness at HNB Garhwal University, Srinagar Garhwal, 1 December 2010.
6	Symposium on Women Issues, Concerns and Empowerment on the occasion of International Women's Day (08 March, 2011).
Department of Environmental Sciences	
7	National Environmental Awareness Campaign on Climate Change (2010)
8	World Environment Day 2010 Celebration (05 June, 2010)
Centre for Mountain Tourism and Hospitality Studies	
9	National Conference on "Science and Technology Application in Tourism Sector focusing on Uttarakhand Opportunities", Dehradun, 26-27 September 2010.
2011-2012	
Department of Chemistry	
1	In the International Year of Chemistry a National Conference on 'Recent Developments in Chemistry and Chemical Education' was organised by the Department at Chauras campus during 16-17 December, 2011.
Department of Geography	
2	National Seminar on 'Resources, Environment and Development of the Indian Himalaya: Issues and Strategies for Sustainable Development' organized by Department at Chauras campus during November 2-4, 2011. (Prof. M.S.S. Rawat was the convener of the seminar). Eminent participants: Dr. Pretherish Negi, Prof. V S Manhas
Department of Adult Continuing Education and Extension	
3	Regional Seminar on 'Environment and Population Resource on 5 June, 2011 at Continuing Education Centre, Kotsara, Pauri Garhwal.
4	Regional Seminar on 'Population, Environment and Socio-economic Development' on 11 July, 2011 at CEC, GIC, Kholi, Pauri Garhwal.
5	Regional Seminar on 'Role of Educational Institutions in Literacy Campaign' on 8 September, 2011 at GIC, Ojali, Pauri Garhwal.
6	Regional Seminar on 'AIDS Awareness and Youth' on 1 December, 2011 at GIC, Ratura, Rudraprayag.
7	Regional Seminar on 'Gender Discrimination' on 5 March, 2012 at HNB Garhwal University campus, Srinagar Garhwal.
8	National Seminar on 'Communities Managing Schools: Structure, Roles and Resources' in collaboration with the Indian University Association for Continuing Education (IUACE), New Delhi on 24 March, 2012.
Department of Sanskrit	
9	Department at Pauri campus organized a National Seminar on 'Manuscripts and their importance' which was sponsored by National Mission on Manuscripts, New Delhi.
Department of Political Science	
10	National Seminar on 'Growth Imbalances in the Regions of India and Issues of People's Movements and Participation in Governance' under

	UGC-SAP- DRS and Women Studies Centre, HNB Garhwal University, Srinagar, March 17-18, 2012 (Prof. Annpurna Nautiyal was the Chairperson and Prof. Himanshu Bourai was the Convener of the seminar)
Department of Environmental Sciences	
11	World Environment Day Celebration (June 5, 2011) and plantation programme was organised in the Chauras campus.
12	National Awareness Campaign on 'Forest at your Service 2011' was organised.
Department of Zoology and Biotechnology	
13	'National Science Day Celebration' at Department of Zoology & Biotechnology, H.N.B. Garhwal University, Srinagar-Garhwal (28 February, 2012). Padam Shri. M C Pant, Lucknow was the keynote speaker.
Department of Business Management	
14	Regional Seminar on 'Indian Economy' in Global Perspectives: Prospects and Challenges, Department of Business Management at Chauras campus on 15 February 2012.
2012-2013	
Department of Geology	
1	Organized 'Science Academies Lecture Workshop on Tectonic Geomorphology', sponsored by Indian Academy of Sciences, Bangalore; The National Academy of Sciences, Allahabad; Indian National Science Academy, Delhi and HNB Garhwal University, Srinagar (Garhwal), Coordinator: Professor Y.P. Sundriyal, October 30 – November 2, 2012.
Department of Environmental Sciences	
2	Organized National Environmental Awareness Campaign on Green Economy, 2012.
3	Organized plantation programme and celebrated World Environment Day, June 5, 2012.
Department of Physics	
4	Organized Third International Geo-Hazards Research Symposium, SRT Campus, Badshahi Thaul, Convener: Professor R.C. Ramola, June 10-14, 2012
5	Organized Technical Programme Discussion Meeting of Board of Research in Nuclear Sciences, SRT Campus, Badshahi Thaul, Coordinator: Professor R.C. Ramola, June 15-16, 2012
Department of Drawing And Painting	
6	Organized a National Art Exhibition, Birla Campus, Srinagar, March 8-10, 2013.
Department of Political Science	
7	Organized International seminar on 'Indian-China Relations in Contemporary Era: Opportunities, Outlooks and Obstacles', March 25-26, 2013.

Department of Sociology And Social Works	
8	National Science Day was Celebrated, February 28, 2013.
9	Padmashri Anil Joshi delivered a lecture on 'Development & Environment', March 20, 2013.
Department of Adult Continuing Education And Extension	
10	Organized regional seminar on 'Conservation of Paddy and Agrobiodiversity', Birla Campus, Srinagar, June 5, 2012.
11	Organized symposium on 'Population Awareness' Continuing Education Centre, Kundi & Bakroad, Sabdarkhal, Pauri Garhwal, July 11, 2012
12	Organized regional seminar on 'Literacy and Rural Development', Govt Inter College, Ojali, Pauri Garhwal, September 8, 2012
13	Organized regional seminar on 'HIV/AIDS Prevention and Awareness', SSB Academy, Srinagar, December 1, 2012.
14	Celebrated 150th Birth Anniversary of Mahamana Pandit Madan Mohan Malaviya', K.K. Nanda Memorial Hall, HAPPRC, Srinagar, December 22, 2012.
15	Organized regional seminar on 'Role of Women Institutions in the Empowerment of Women', CEC Kot, Pauri Garhwal, March 8, 2013
16	Organized extension lecture on 'Health Awareness', CEC Kotsara, Pauri Garhwal, March 17, 2013.
2013-2014	
Department of Forestry & Natural Resources	
1	National Conference on "Climate Change Social Vulnerability Assessment" at HNB Garhwal University, Srinagar-Garhwal with the support from ICSSR, New Delhi; POWERGRID, New Delhi; SAIL, Calcutta (February 19-20, 2014). Eminent speakers: Prof. S. P. Singh, FNA, Ex Vice Chancellor, HNBG University; Prof. Raman Sukumar, FNA, Indian Institute of Science, Bangalore and Dr. Jagdish Kishwan, Ex Director General, Indian Council of Forestry Research & Education, Dehradun. Convener: Dr Rajiv Pandey
Department of Environmental Sciences	
2	Celebrated the "World Environment Day 2013" at Department of Environmental Sciences, Chauras Campus (05 June, 2013).
3	National Symposium on "Ecodisasters in the Himalayas: Causes, Challenges and Management" at Chauras Campus, HNB Garhwal University, Srinagar-Garhwal (February 15-16, 2014). Prof. A R Yousuf, Member NGT was keynote speaker; Padam Bhushan Chandi Prasad Bhatt was chief guest.
Department of Mathematics	
4	National Symposium on "Mind, Matter and Mathematics: A Dialogue" held at Department of Mathematics & Physics, HNB Garhwal University Campus Badshahi Thaul (UK) from March 12-14, 2014. Eminent speakers: Prof. R. K. Shyam Sundar, TIFR, Bombay; Prof. J. S.

	<p>Bisht, Finance Officer, HNB Garhwal University; Prof. A. R. Parsanna, Physical Research Laboratory (PRL), Ahmadabad; Dr. Ranjan Mukhopadhyay, Department of Philosophy & Comparative Religion, Visva-Bharati, Santiniketan, West Bengal; Dr. Maitreyee Datta & Dr. Smita Sirker, Department of Philosophy & School of Cognitive Science, Jadavpur University Kolkatta; Dr. Navinder Singh & Dr. Ashok Kumar Singal, PRL Ahmadabad; Dr. S. S. Pokharna, Former Scientist (Indian Space Research Organization); Dr. Manikant Shah, Department of Sociology, Govt. (PG) College New Tehri; Prof. D. S. Negi, Department of Mathematics, HNBGU Srinagar; and Dr. K. D. Purohit, Department of Physics, HNBGU Srinagar.</p> <p>Chairman: Prof. R. C. Ramola; Convener: Dr. K. C. Petwal</p>
Department of Physics	
5	<p>National Conference on “Recent Advances in Material Science” was organized at Srinagar Campus during October 26-27, 2013.</p> <p>Eminent speakers: Prof. M S M Rawat Hon’ble Vice-Chancellor; Dr. K. S. Bartwal, Raja Rammana Centre for Advance Technology, Indore (M.P.). Convenor: Prof. R. P. Gairola; Co-ordinator: Prof. S. C. Bhatt; Organising Secretary: Dr. Manish Uniyal.</p>
6	<p>National Symposium on “Mind, Matter and Mathematics: A Dialogue” was jointly organized by Department of Physics, HNB Garhwal University Campus, Badshahithaul, Tehri and Govt. (PG) College, New Tehri (March 12-14, 2014).</p> <p>Eminent speakers: Prof. R. C. Ramola, Chairman of the Symposium, Invited Speakers: Dr. Ranjan Mukhopadhyay, Department of Philosophy & Comparative Religion, Visva-Bharati, Santiniketan, West Bengal; Dr. Maitreyee Datta & Dr. Smita Sirker, Department of Philosophy & School of Cognitive Science, Jadavpur University Kolkatta; Dr. Navinder Singh & Dr. Ashok Kumar Singal, PRL Ahmadabad; Dr. S. S. Pokharna, Former Scientist (Indian Space Research Organization); Dr. Manikant Shah, Department of Sociology, Govt. (PG) College, New Tehri; Prof. D. S. Negi, Department of Mathematics, HNBGU Srinagar; and Dr. K. D. Purohit, Department of Physics, HNBGU Srinagar. Chairman: Prof. R. C. Ramola; Convener: Dr. K. C. Petwal</p>
Department of Drawing and Painting	
7	<p>The department organized “National Art Exhibition” in the Seminar Hall, HNB Garhwal University, Srinagar -Garhwal (March 8-10, 2013).</p>
Department of Sanskrit	
8	<p>National Seminar on “Sanskrit Vangmay mein Vivechit Paryavaran ki Vaigyanikta evam Vartman mein Uski Pprasangikta” organized by Department of Sanskrit, HNB Garhwal University, Pauri Campus, Pauri (March 27-28, 2014).</p>
Department of Political Science	
9	<p>National Seminar on “Good Governance and Development Concerns of</p>

	<p>Small States in India” organized at Srinagar Campus under SAP DRS-II of the UGC (March 30-31, 2014).</p> <p>Eminent speakers: Dr. R. S. Tolia, IAS (Ex Chief Secretary, Govt. of Uttarakhand and present NTPC Chair Professor, Doon University, Dehradun) was the Chief Guest in the Inaugural Session; and Prof. R. K. Barik, Centre for Social Welfare Administration and Administration of Justice, IIPA, New Delhi was the Guest of Honour. The Keynote address was delivered by Prof. Sanjeev Sharma, General Secretary, Indian Political Science Association. Prof. S. P. Singh, Ex Vice Chancellor of HNB Garhwal University was the Chief Guest in the Valedictory Session. The valedictory address was delivered by Prof. Madhurendra Kumar, Kumaun University, Nainital. The seminar was attended by 48 out station and 25 local participants. Convener of the Seminar: Prof. M. M. Semwal.</p>
Department of Sociology & Social Work	
10	Prof. R. N. Gairola, Department of Political Science, HNB Garhwal University, Srinagar-Garhwal delivered a Lecture on ‘International Human Rights Day’ (December 10, 2013).
11	Workshop was organized on ‘Role of Community in the Conservation of Forest’ in the Srinagar Campus (January 18, 2014).
12	‘Green and Clean Project’ was launched on February 22, 2014 by the Department at Srinagar Campus. Prof. Vinod Nautiyal, Head, Department of History & Archaeology delivered lecture on the occasion.
13	‘Voters Awareness Programme’ was initiated for the villagers of Bagwan, Tehri Garhwal on February 23, 2014 under the guidance of Swami Adwetant, Shaswat Dham, Lachhmoli, Tehri Garhwal.
14	A lecture on ‘Challenges for Social Workers’ was delivered by Shri Suresh Bhai, Vice-President, Gandhi Shanti Pratisthan under Aditi Smriti Nyas Lecture Series (February 24, 2014).
15	International Women’s Day was celebrated on March 7, 2014. On the occasion ‘Aditi Smriti Mahila Sashaktikaran Award’ was presented to Smt. Laxmi Rawat, Village Padhan Uphalda, by Prof. M. S. M. Rawat, Vice-Chancellor, H.N.B. Garhwal University, Srinagar (Garhwal) and Dr. U. S. Rawat, Vice-Chancellor, Sri Dev Suman University, Badshahithaul, Tehri Garhwal.
Department of Commerce	
16	<p>National Conference on “Sustainable Development of India: Challenges and Remedies (SDICR-2014)” was organized by School of Commerce, HNB Garhwal University, SRT Campus, Badshahithaul, Tehri Garhwal, Uttarakhand (March 22-23, 2014).</p> <p>Eminent speakers: Dr. U. S. Rawat, Hon’ble Vice-Chancellor, Sri Dev Suman Uttarakhand University, Badshahi Thaul, Tehri Garhwal; Prof. D. P. S. Verma, School of Economics of University of Delhi; Prof. R. K. Dixit, Rajasthan University, Jaipur. Chairman: Prof. R. C. Ramola;</p>

	Convener and Organizing Secretary: Dr. Krishna K Verma
Department of Adult Continuing Education and Extension	
17	Symposium on “Population & Family life” on the occasion of World Population Day at Continuing Education Centre Muchiyali, Pauri Garhwal (July 11, 2013).
18	Regional Seminar on “AIDS Prevention and Awareness” on the occasion of World AIDS Day at HNB Garhwal University Campus, Srinagar-Garhwal (December 1, 2013).
19	Regional Seminar on “Women Empowerment” on the occasion of International Women's Day at HNB Garhwal University Campus, Srinagar-Garhwal (March 8, 2014).
20	Health Awareness Camp at Continuing Education Centre, Kundi, Pauri Garhwal (March 22, 2014).
Department of Naturopathy and Yoga	
21	Inter Collegiate Yogasana Competition-2013-14’ at Chauras Campus, HNB Garhwal University (December 10, 2013).
22	‘One Month ‘Certificate Course in Yoga (Only for Foreigners)’ at Vanprasht Ashram, Rishikesh (January 26-February 20, 2014).
Centre for Mountain Tourism and Hospitality Studies	
23	International Conference on “Tourism and Hospitality Industry: Modern State, Problem & Perspectives” jointly organized by CMTHS, HNB Garhwal University, Srinagar-Garhwal & Graphic Era University, Dehradun at Dehradun (May 11-12, 2013).
24	National Seminar on “Application of Science and Technology for Sustaining Tourism and Hospitality Industry: Bridging Theory and Practices” at Rishikesh (November 28-29, 2013).
Department of Business Management	
25	Management Development Programme (MDP) on “Cross Cultural Communication” in Department of Business Management, HNB Garhwal University, Srinagar-Garhwal during 19-20 August, 2013. Convener: Dr. A. C. Pandey

3.2 Resource Mobilization for Research

3.2.1 What are the financial provisions made in the university budget for supporting students’ research projects?

The financial provisions for supporting student’s research project are as follows:

The financial assistance in form of fellowship @ Rs. 8000/- pm is provided to the Ph.D students along with contingency grant of Rs. 10000/- per year to support the student research activity.

The financial assistance is provided to the departments under various heads viz. books, consumables and equipments annually. The students utilize these resources of the department for their research projects.

DBT studentship @ Rs. 3000/- pm along with financial assistance for in house project work of Rs. 50,000 is provided to M.Sc. Biotechnology students.

3.2.2 Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

There is no such provision available in the university. However, individual teachers are encouraged to file the patents from project funds. Following are the two patents filed during assessment period.

Name of Faculty	Patent
Ajay Semalty, Rahul Kumar, Mona Semalty	A novel synergistic herbal formulation for antihyperlipidemic and antiobesity activity, Published on 18 April 2014. (2965/DEL/2012)
Mona Semalty, TejprakashSevak, Ajay Semalty, Y. S. Tanwar, M.S.M. Rawat	Synergistic Herbal Hair Growth Formulation For Alopecia, Published on 18 April 2014. (2896/DEL/2012).

3.2.3. Provide the following details of ongoing research projects of faculty:

Sr. No.	Name of the Project (Name of PI)	Funding Agency	Total grant sanctioned (In lacs)
SCHOOL OF AGRICULTURE AND ALLIED SCIENCES			
Department of Forestry and Natural Resources			
1	Soil seed bank and post-fire regeneration ecology of Pine forest in Garhwal Himalaya, 2011 to2014 (Dr. S.S. Phartyal & Dr N P Todaria)	UGC, New Delhi	10.50
2	Review of interim progress report 'Cumulative Impacts of Hydroelectric projects on aquatic and Terrestrial Biodiversity in Alaknanda and Bhagirathi Basins Uttarakhand' prepared by WII. 2011 to2014 (Dr. Sabyasachi Dasgupta)	GMR Energy Ltd	1.20
3	All India coordinated project on Ecosystem services of sacred groves in Uttarakhand. 2012-2017 (Prof. N.P. Todaria; Dr. A.K. Negi & Dr. Sabyasachi Dasgupta)	MoEF, New Delhi	31.49
4	Networking Project on Non-Timber Forest Products (NTFPs) in Uttarakhand. 2012-2015 Dr. D.S. Chauhan	ICFRE, Dehradun	5.05
5	Cumulative Environmental Impact	IIT Roorkee,	32.00

	Assessment of Hydropower in Alaknanda and Bhagirathi river basin, Uttarakhand. Assessment of impact on terrestrial biodiversity. 2013-2014 (Dr. S. Dasgupta)	Govt. of India	
6	Review of environmental studies of Kotlibhel projects w.r.t restrictions imposed by Hon'ble Supreme court on Development of Hydropower Projects in Uttarakhand. 2013-14 (Dr. S. Dasgupta)	NHPC Ltd. Faridabad	31.00
7	Adarsh Paudhshala Pariyojna (Ideal Nursery Project). 2014-2016 (Dr. A.K. Negi)	Herbal Research and Development Institute, Gopeshwar	20.00
8	Income generation for rural communities through cultivation and conservation of medicinal plants. 2013-2016 (Dr. A.K. Negi)	DBT, Ministry of Science and Technology, New Delhi	18.15
9	Networking Project on Non-Timber Forest Products (NTFPs) in Uttarakhand. 2012-2015 (Dr. D.S. Chauhan)	ICFRE, Dehradun	10.50
10	Carbon stock of Pinus roxburghii in Garhwal Himalaya. 2013-2015 (Dr. Munesh Kumar)	SERB-DST, New Delhi	12.00
High Altitude Plant Physiology and Research Centre			
11	Establishment of Model Nursery of Tgar and Pushkarmool under Rastriya Jari-Buti Mission 2012-14 (Prof. A.R. Nautiyal/ Dr. Vijay Kant Purohit)	Rashtriy Aushdhiy Padap Mission (RAPM), Herbal Research and Development, UK	20.00
12	Alpine ecosystem dynamics and impact of climate change in Indian Himalaya (PRACRITI-II). 2012-5 (Prof. M.C. Nautiyal)	Space Applications Centre, ISRO, Ahmedabad	23.87
13	Establishment of Model Nursery of Tagar and Pushkarmool under Rastriya Jari-Buti Mission. 2012-14 (Prof. A.R. Nautiyal, Dr. Vijay Kant Purohit)	Herbal Research and Development Institute, Gopeshwar	20.00

SCHOOL OF SCIENCES			
Department of Chemistry			
14	Screening of plants for natural dyes and development of low cost technique for improvement of traditional system of dyeing and its commercialization, 2011-14 (Dr. M.C. Purohit)	UGC, New Delhi	10.69
15	Modeling of radon exhalation into soil chambers for continuous flux measurement and its validation through multi-parametric measurements :A case study at Garhwal Himalaya Region (Co-PI of the project). 2011-2014 (Dr. A.A. Baurai & Dr. Veena Joshi)	BRNS, DAE, Mumbai	21.56
16	Response of CR-39 track detector to low energy Argon and Xenon Ions (Co-PI). 2011-2014 (Dr. R.C. Ramola & Dr. Veena Joshi)	IUAC-Delhi	Without funding
17	Modeling of radon exhalation into soil chambers for continuous flux measurement and its validation through multi-parametric measurements : A case study at Garhwal Himalaya Region. 2012-15 (Dr. Veena Joshi)	Board of Research in Nuclear Science (BRNS), Department of Atomic Energy	21.56
18	A Comprehensive Study of Natural Radiation Level in Pauri and Udham Singh Nagar Districts of Uttarakhand. 2012-15 (Dr. Veena Joshi)	Board of Research in Nuclear Science (BRNS), Dept. of Atomic Energy	33.43
19	Strengthening the Infrastructural Facility at Nodal Centre at H.N.B. Garhwal University to pursue Radon/Thoron Studies in Northern India. 2014-2017 (Dr. Veena Joshi)	Board of Research in Nuclear Science (BRNS), Department of Atomic Energy	85.04
20	Screening of plants for natural dyes and development of low cost technique for improvement of traditional system of dyeing and its commercialization. 2011-2014 (Dr. M.C. Purohit)	UGC, New Delhi	10.39
21	Herbal Anti diabetic agents from	CSIR, New	27.00

	Unexplored Plants of Garhwal region. (Prof. D.S. Negi)	Delhi	
Department of Home Science			
22	Study of natural dyes and mordant used by the tribes of Garhwal Uttarakhand. 2012-14 (Dr. Rekha Naithani)	UGC, New Delhi	2.00
23	Educating adolescent girls and young women on health and hygiene related issues in district Pauri of Uttarakhand. 2012-14 (Dr. Rekha Naithani)	UCOST, Dehradun	3.00
Department of Physics			
24	Study of Photo Physical Processes of Fluorophors Doped in Polymers & Polymer Blends. 2011-2014 (Prof. G.C. Joshi)	UCOST, Dehradun	8.98
25	MoU to Establish Radon Calibration Centre at Department of Physics and to strengthen radon studies in states of Delhi, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir. 2011-2016 (Prof. R.C. Ramola)	Bhabha Atomic Research Centre, Mumbai	48.93
26	A Comparative Study Among Different Techniques for Radon/Thoron Progeny Measurements in the Normal and High Background Radiation Areas. 2011-2014 (Prof. R.C. Ramola)	Department of Atomic Energy, Govt of India	33.78
27	Modeling of radon exhalation into soil chambers for continuous flux and soil gas measurement and its validation through multi-parametric measurements: A case study at Garhwal Himalaya region. 2011-2014 (Dr. A.A. Bourai)	Department of Atomic Energy, Govt of India	21.56
28	Strengthening the Infrastructural Facility at Nodal Centre at H.N.B. Garhwal University to pursue Radon/Thoron Studies in Northern India. 2014-2017 (Prof. R.C. Ramola)	Board of Research in Nuclear Science (BRNS), Department of Atomic Energy	85.04
Department of Pharmaceutical Sciences			
29	Studies on high altitude antioxidant herbs used by the tribes of Garhwal region. 2012-2015 (Dr. Nitin Sati)	UGC, New Delhi	9.40
Department of Statistics			
30	Reliability and cost benefit analysis of some	DST	3.00 lacs

	real existing industrial models, 2011-14 (Dr. O.K. Belwal & P. Fartyal)	Sponsored under Women Scientist Scheme (WOS) For Research in Basic/Applied Science	
SCHOOL OF EARTH SCIENCES			
Department of Geology			
31	Tectonogeomorphic evolution of Alaknanda Valley between Alaknanda Fault and Main Central Thrust, Garhwal Himalaya. 2011-14 (Y.P. Sundriyal & G.S.Rawat)	DST, Govt. of India	34.00
32	Stain budget crustal deformation (in collaboration with NGRI, Hyderabad). 2011-16 (Dr. S.P. Sati)	MOES- DST, New Delhi	470.00
33	Risk zonation mapping of Mandakini valley with special reference to geological and geotechnical analysis of Byung subsidence zone and Jaggi-Bagwan landslide, Central Garhwal Himalaya. May 2013 to April 2016 (Prof. Y.P. Sundriyal)	DST, New Delhi	29.00
34	Geological documentation of the damages in Alaknanda and Mandakini Valley during the flash flood of 17th June, 2013 and to suggest geological, geomorphological and geotechnical remedial measures to minimize the losses in future. October 2013 to December 2014 (Prof. Y.P. Sundriyal)	DST, New Delhi	11.00
35	Map the Neighbourhood in Uttarakhand (MANU): Study area Mandakini Valley October 2013 to December 2014 (Prof. Y.P. Sundriyal; Prof. R. C. Ramola)	DST, New Delhi	24.40
36	Map the Neighbourhood in Uttarakhand (MANU): Study area Alaknanda Valley. October 2013 to December 2014 (Prof. Y.P. Sundriyal; Prof. R. C. Ramola)	DST, New Delhi	24.40
37	Inspire Internship Project. June, 2013 to March 2014 (Prof. Y.P. Sundriyal)	DST, Govt. of India	81.00
38	Glaciers in Upper Alaknanda-Sarswati Basin and Climate Change. 2014-17 (Prof. H. C. Nainwal)	Department of Atomic Energy, GOI, Chennai	20.00

Department of Remote Sensing and GIS			
39	Identifying the changes in vegetation on ridge tops to predict climate impact and assisted migration. January 2013 to December 2016 (Dr. C.M. Sharma)	DST, New Delhi	40.43
SCHOOL OF ARTS, COMMUNICATIONS AND LANGUAGES			
Department of Sanskrit			
40	MRC, 2006-till date (Prof. J.K. Godiyal)	NMM, New Delhi	7.00
Department of Hindi			
41	Tehri Baandh Prabhavit Kshetra ki Sahittik tatha sanskritik den (Prof. Kusum Dobhal Mishra)	UGC, New Delhi	1.50
SCHOOL OF LIFE SCIENCES			
Department of Botany and Microbiology			
42	Enhancement of Anti Cancerous Compound through Different Biotechniques in Podophyllum hexandrum. 2012-2017 (Dr. Hemlata Bisht, PDF)	UGC, New Delhi	
43	Assessment of dominance – diversity and biomass structure of Temperate Grazinglands, Garhwal Himalaya. 2012-2017 (Dr. Smriti Kuksal, PDF)	UGC, New Delhi	
44	Establishment of Demonstration Unit and Germplasm Resource Centre for Commercial Cultivation of Highly Valuable Stevia rebaudiana, Bertoni 2012-2017 (Dr. Hemlata Bisht)	GBPI/IERP/	5.82
45	Diversity and conservation of wild edible mushrooms of Garhwal Himalaya. 2012-14 (Prof. R.P. Bhatt)	(GBPIHED) Almora	5.95
46	Diversity of microalgae and cyanobacteria across the thermal- and chemical-gradients in geothermal fields of Uttarakhand Himalaya. 2014-2015 (Dr. Dhananjay Kumar)	UGC, New Delhi (Start up Grant)	6.00
47	Bacterial diversity and community succession in sulfur springs and caves around Sahasradhara. 2014-2015 (Dr. Seema Rawat)	UGC, New Delhi (Start up Grant)	6.00
48	Screening of thermophilic cyanobacteria containing nonribosomal peptide synthetase gene clusters for their antimicrobial activity. 2014-2015 (Dr. Rahul Kunwar Singh)	UGC, New Delhi (Start up Grant)	6.00

Department of Environmental Sciences			
49	EIA of Hydropower Project on Alaknanda and Bhagirathi River Basin (Collaborative Project with IIT Roorkee). 2013-2014 (Prof. Ramesh C. Sharma)	Govt. of Uttarakhand	7.00
Department of Zoology and Biotechnology			
50	Prospecting for novel biocatalysts in hot spring metagenome. 2011-2014 (Dr. G.K. Joshi)	DST	18.74
51	Characterization of psychrophilic bacterial diversity of Himalayan region in Uttarakhand 2012-15 (Dr. G.K. Joshi)	USBD, Govt. of Uttarakhand	9.30
52	Characterization and Evaluation of Diazotrophic and Plant Growth Promoting Bacterial Endophytes Associated with Some Native Grasses of Alpine and Sub-Alpine regions of Garhwal Himalaya. 2012-14 (Dr. Aparna Raturi)	UGC, New Delhi	6.00
53	Genetic diversity molecular delineation and phylogenetic kinship in the declining population of four species of Channa fish from North India and possible conservation strategies. 2011-2014 (Prof. N. K. Agarwal)	DBT, New Delhi	
SCHOOL OF MANAGEMENT			
Centre for Mountain Tourism and Hospitality Studies			
54	Special Assistance Programme (SAP). April 2009- March 2014 (Prof. S. K. Gupta)	UGC, New Delhi	42.50
55	MRP on problems and challenges of travel trade companies in Garhwal region of Uttarakhand (Prof. S.K. Gupta)	UGC, New Delhi	6.34
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES			
Department of History including Ancient Indian History, Culture & Archaeology			
56	Public Movements of Tehri State. Eighteen Months. 2013-14 (Dr. Suresh Kumar Chandola)	ICHR, New Delhi	1.38
Department of Economics			
57	Problems in socio-economic empowerment of hill rural women in Uttarakhand: A study of Pauri district. 2012-2014 (Dr. Prashant Kandari, Dr. T.P. Pant)	UGC, New Delhi	5.85
Department of Psychology			
58	GFATM-7 Project. 1 April 2009 to 31st March 2015	Tata Institute of Social	

	(Prof. Lata Gairola)	Sciences (TISS)	
Department of Political Science			
59	Gaps between Environmental Policies and Human Actions: A Study of the Impact of Natural Disaster in Garhwal Himalayas on the Women of Rudra Prayag District and their Coping Strategies. 2014-2017 (Prof. Annpurna Nautiyal)	ICSSR, New Delhi	49.00
SCHOOL OF EDUCATION			
Department of Naturopathy and Yoga			
60	Stop Diabetes mellitus (Uttarakhand State) 2009-10 to 2013-14 (Dr. Vinod Nautiyal & Dr. Rajni Nautiyal)	Vivekananda yoga Anusanhana Samsthana, Deemed University, Bangalore	Without funding

Does the university have any projects sponsored by the industry/ corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

Yes, the university has a project on Fish Hatchery in the Department of Zoology and Biotechnology (Chauras Campus) sponsored by Alaknanda Hydroelectric Power Ltd (AHP), GVK Company. This Hatchery will produce seed of *Tor* (Mahaseer) and *Schizothorax* (Snow trout) to cater to needs of region.

3.2.5 How many departments of the university have been recognized for their research activities by national/ international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

Following departments of the university have been recognized for research activities by national agencies

Department	Recognition	Amount (₹)
Political Science	UGC SAP DRS I (2007-12)	25,50,000.00
	UGC SAP DRS II (2013-18)	58,00,000.00
Chemistry	DST-FIST (2012 -2017)	163,00,000.00
	UGC –DRS I (2011-2016)	60,00,000.00
History & Archaeology	UGC-SAP up to 2007	35,00,000.00
	DST-FIST (2004-06)	25,00,000.00
Geology	DST-FIST I Stage	75,00,000.00
Zoology & Biotechnology	UGC-BSR Fellowship (2012-13)	9,00,000.00
	UGC-BSR Fellowship (2013-14)	13,10,400.00
	DBT HRD	38,22,870.00

	(2010-11, 2011-12, 2012-13, 2013-14)	
Forestry and Natural Resources	DST FIST	19,80,000.00
	ICFRE (2010-11, 2012-13)	20,00,000.00
Centre for Tourism & Hotel Management	UGC-SAP Ecotourism Promotion and Development in Uttarakhand	20,50,000.00
Physics	DST FIST	36,50,000.00
Adult Continuing Education & Extension	UGC (2007-12)	13,00,000.00

Two significant outcomes achieved are:

- The Department of History and Archaeology established multidisciplinary archaeology as a research stream in the country.
- A centre for higher studies in Forestry has been established in the Department of Forestry and Natural Resources by ICFRE grant.
- A Directory of Women's Representative of Panchayati Raj Institutions of 5 district of Garhwal region including their profile, activities and achievements was prepared by the Department of Political Science.

3.2.6 List details of

* **research projects completed and grants received during the last four years (funded by National/ International agencies).**

SCHOOL OF AGRICULTURE AND ALLIED SCIENCES					
Department of Forestry and Natural Resources					
S. No.	Title of Project	Funding Agency	Budget	Duration/ Year	PI/Coordinator
1	Human leopard conflict in the Alaknanda valley of Garhwal Himalaya (Gupta, S.D. and Todaria, N.P)	UCOST			
2	Conservation and sustainable development of Dwarf bamboo in the Garhwal Himalaya.	National Bamboo Mission, New Delhi	25.00	2008 to 2011	Dr. Sabyasachi Dasgupta & Dr. N.P. Todaria
3	Predator people conflict in the mountainous landscapes of the Alaknanda valley in Garhwal Himalaya	U-COST, Govt. of Uttarakhand	4.95	2009 to 2011	Dr. Sabyasachi Dasgupta & Dr. N.P. Todaria
4	Review of report prepared by WII, India	UJVNL. Dehradun	6.00	2013	Dr. S. Dasgupta

	on “Cumulative Environmental Impact Assessment of Hydropower in Ganga,”				
Consultancy					
1	Review of interim progress report 'Cumulative Impacts of Hydroelectric projects on aquatic and Terrestrial Biodiversity in Alaknanda and Bhagirathi Basins Uttarakhand' prepared by WII.	GMR Energy Ltd.	1.20	2011 to 2012	Dr. Sabyasachi Dasgupta (Coordinator)
2	Environmental impact assessment of Assiganga III SHP	Uttaranchal Jal Vidyut Nigam Ltd. (UJVNL) , Dehradun	Without Funding	2009 to 2011	Dr. Sabyasachi Dasgupta (Coordinator)
High Altitude Plant Physiology Research Centre (HAPPRC)					
1	Development and standardization of large scale propagation and multiplication method for cultivation and conservation of <i>Angelica glauca</i> (Choru) and <i>Swertia chirayita</i> (Chirata): High Valued RET plants	USBD, Govt. of Uttarakhand	9.30	2012-13 (One year)	Dr. V.K. Purohit
2	'Population assessment and Identification of superior genetic stock of <i>Picrorhiza kurrooa</i> and <i>Valeriana jatamansi</i> by screening different populations from N.W. Himalayas (H.P. & Uttarakhand)',	National Medicinal Plant Board, New Delhi	21.50	2010-11 to 2012-13	Dr. V.K. Purohit
3	Genetic variability and chemical and molecular	Collaborative project with GBPUAT			Nautiyal, M.C

	determinants of <i>Aconitum balfourii</i> including eco-profiling under micro/macro environment of root growth and development of transgenic roots for higher aconite content	National Medicinal Plant Board			
4	Establishment of Model Nursery of Tejpat, Rashtriya Jari-Buti Mission	National Medicinal Plant Board, New Delhi			Dr. V.K. Purohit
5	Standardization of large scale propagation and technology intervention for cultivation of <i>Nardostachys jatamansi</i> : a critically endangered high value medicinal herb of higher Himalaya	National Medicinal Plant Board.			Dr. V.K. Purohit
Department of Rural Technology					
1.	Establishment of Small Nursery of Tejpat	HRDI & National Medicinal Plant Board, Govt of India, New, Delhi.	4.00	2011-12 to 2012-13	Dr. R.S. Negi
SCHOOL OF SCIENCES					
Department of Chemistry					
1	Investigation, Identification, processing and analysis of plant based pesticides of Pinder Valley	USERC	5.14		Badoni, P.P.
2	Studies of MDR constituents from plants	U.G.C	7.80		Negi, D.S.
3	Chemical Profiling of Medicinal Herbs of Garhwal-A Strategy for Quality Control	UCOST	8.32		Rawat, M.S.M. and Pant Joshi, G

4	Gainful Employment to rural women of Uttarakhand through cultivation and utilization of essential oil bearing plants	UGC	6.5		Rawat, U. and Rawat, M.S.M
5	Investigation of selected Verbenaceae plants for Insecticidal and Antifeedant Constituents	UCOST, Govt. of Uttarakhand, D.Dun	11.5	2009 to 2011	Dr. D.S. Negi
6	A study on metal ion uptake by fluorescent crown ethers- (Minor Project)	UGC, New Delhi	1.00	2009-2011	Ms. Namrata Ghildiyal
7	Effect of solvent system on the stability of fluorescent crown ether complexes of metal ions , Indore	UGC-DAE Consortium for Scientific Research, Indore	0.35 per annum	2011-2012	Prof. M.S.M. Rawat & Ms Namrata Ghildiyal
Department of Physics					
1	Study of Photo Physical Processes of Fluorophors Doped in Polymers & Polymer Blends	UCOST, Dehradun	8.98/-	2011-2014	Prof. G.C. Joshi
2	Establishment of network for natural radiation exposure studies in Asia	Japan Science & Technology Agency	Field Work & actual Travel Cost	2011-2016	Prof. R.C. Ramola
3	Retrospective assessment of indoor Radon exposure in Garhwal homes by measurements of ^{210}Po implanted on glass surface	Atomic Energy Regulatory Board, Govt of India	9.04	2009-2013	Prof. R.C. Ramola
4	A Comparative Study Among Different Techniques for Radon/Thoron Progeny Measurements in the Normal and High Background Radiation Areas	Department of Atomic Energy, Govt of India	33.78	2011-2014	Prof. R.C. Ramola
5	Modeling of radon exhalation into soil chambers for continuous flux and	Department of Atomic Energy, Govt of India	21.56	2011-2014	Dr. A.A. Bourai

	soil gas measurement and its validation through multi-parametric measurements: A case study at Garhwal Himalaya region				
Department of Pharmaceutical Sciences					
1	Nutraceuticals future prospectives of wild edible fruits	UCOST.			Dr. Sarla Saklani
2	Exploring antidote active compounds against snake bite in traditional Indian medicinal plants	Daiko Foundation Research Fellowship, Meijo University, Nagoya, Japan	25.00	April 2011- March 2012; (June 2011- Sept. 2011 in Japan)	Dr. Ajay Semalty
3	Phytosome in improving hepatoprotective activity of phytoconstituents	DST-SERC Govt. of India	20.15	2008-2012	Prof. MSM Rawat
4	Development of value added herbal drug delivery systems of some polyphenolic phytoconstituents	UGC, New Delhi	1.75	2010-2012	Dr. Ajay Semalty
5	Phyto-phospholipid complexes in improvement of bioavailability of some herbal drugs	AICTE, New Delhi	10.00	2010-2012	Dr. Ajay Semalty
6	Development and characterization of phytopharmaceuticals for hair growth promotion	AICTE, New Delhi	4.30	March 2010- Aug. 2011	Mona Semalty
SCHOOL OF EARTH SCIENCES					
Department of Geography					
1	Base Line Demographical and Socio-Economic Survey: Devsari Hydroelectric Project in Uttarakhan	SJVNL	5.0		Chauniyal, D.D

2	Development of Spring Sanctuary and Strategy for Environmental Regeneration in Ghat Gad Watershed of Uttarakhand	U-COST	4.0		Chauniyal, D.D
3	Impact assessment and modeling of hydrological behavior and soil erosion under different land field conditions	UGC	7.0		Chauniyal, D.D
4	The Assessment of Highly Valuable Resource <i>Cordyceps sinensis</i> (Kida Jari) and its Impact on Changing Pattern of Traditional Livelihood in High Altitudinal Villages of Garhwal Himalayan Region for Livelihood Enhancement of Remote Mountainous Community	UGC,	8.59		Panwar, M.S
5	Natural Resource Management for Integrated Development Planning in the Rim Area of Tehri Dam Reservoir (Villages of Pratapnagar in District Tehri Garhwal)	U-COST	5.62		Panwar, M.S
6	Landslide Hazards Mitigation and Mapping along Corridor of Road Section National Highway No. 109 from Rudraprayag to Kedarnath and Micro-Zonation of the Region on GIS Platform Using RS	DST	11.26		Panwar, M.S

	and GPS,				
7	Inspire Internship Project	DST, Govt. of India	81.00	Jun-Mar 2013	Prof. Y.P. Sundriyal
Department of Geology					
1	Inventory of glacial lakes outburst in upper Alaknanda valley	MoEn & Forest	35.00		Bisht, M.P.S. and Rawat, G.S.
2	Modelling of radon exhalation into soil chambers for continuous flux & soil gas measurement & its validation through mutiparameters measurement. A Case study at Garhwal Himalaya region	BRNS Project			Naithani, N.P.
3	Paleoseismic studies in Alaknanda Valley	DST	40.00		Sati, S.P.
4	Geomorphology and Sedimentation History of Alaknanda Valley between Devprayag Fault and Alaknanda Fault, Garhwal Himalaya	DST, Govt. of India	29.00	2008-11	Y.P. Sundriyal & G.S.Rawat
5	Impact of glacier recession on the vegetative wealth of valley of Flowers, Uttaranchal Himalaya.	Mo En & Forest, New Delhi	21.00	2009-2012	Dr. M.P.S. Bisht
SCHOOL OF EDUCATION					
Department of Adult Continuing Education and Extension					
1	Physical Verification and Monitoring of Ringal Plantation in Kedarnath Wild Life Division, Gopeshwar (KWLD) and Nanda Devi Biosphere Reserve, Joshimath (NDBR) of Upper Himalaya	ONGC, New Delhi	5.52	2011-2012	Prof. S.S. Rawat

SCHOOL OF ENGINEERING AND TECHNOLOGY					
University Science Instrumentation Centre (USIC)					
1	Electrical properties of sodium- potassium niobate thin film	UGC,	5.87		Panwar, N.S
2	Deposition of Ta ₂ O ₅ -TiO ₂ thin films of uniform thickness for microelectronics applications	DST, New Delhi.	28.50	2010-11 to 2012-13	Prof. N.S. Panwar
SCHOOL OF ARTS, COMMUNICATION AND LANGUAGES					
Department of English					
1	Collaborative project on Translation in association with Jamia Milia University	New Delhi			Aikant, S.C
2	Major research project on Indian Feminism	UGC, New Delhi	5.00 lacs		Dangwal, S
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES					
Department of History					
1	Tribal Himalaya- Aspects of change with special references to Uttarakhand	UGC, New Delhi		2010-2012	Prof. Rekha Thapliyal

*** Inter-institutional collaborative projects and grants received**

i) All India collaboration

Department	Projects	Collaborators	Amount (₹)
Zoology and Biotechnology	Environmental Flows Assessment for Ramganga, River	Collaboration with IIT Kanpur, CIFRI Barrackpore and WWF- India, New Delhi; 2012	10,80,000.00
Environmental Sciences	Assessment of Cumulative Impact of Hydropower Projects on Alaknanda and Bhagirathi Basins upto	Collaboration with IIT –Roorkee, 2010-2012	9,00,000.00

	Devparayag		
Department of Zoology, SRT Campus, Tehri	Genetic diversity molecular delineation and phylogenetic kinship in the declining population of four species of <i>Channa</i> fish from North India and possible conservation strategies	P.I.: Prof. Iqbal Parwez, AMU, Aligarh Co- P.I.: Prof. N. K. Agarwal, HNBGU; DBT, New Delhi (2011- 2014)	5,24,400/
Department of Political Science	Gaps Between Environmental Policies and Human Actions: A Study of the Impact of Natural Disaster in Garhwal Himalayas on the Women of Rudra Prayag District and Their Coping strategies	GB Pant Institute of Himalayan Environment and Development, Srinagar Indian Council of Social Science Research New Delhi	49,00,000.00
Prof. J.P. Pachauri, Department of Sociology & Social Work, Birla Campus	Social Impact Assessment Study	Satulaj Jal Vidut Nagam Ltd. Tharali Distt.- Chamoli	4,72,500.00

ii) International collaboration

Department	Projects	Collaborators	Amount (₹)
Physics, SRT Campus, Tehri	Establishment of Network for	Japan Science & Technology	Funding, Instruments

	Natural Radiation Exposure Studies in Asia	Agency, May 2009 to March 2012	facility was provided by National Institute of Radiological Sciences, Japan
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3.3 Research Facilities

3.3.1 What efforts have been made by the university to improve its infrastructure requirements for research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

The university submits requirements for improving the infrastructural facilities for research to the UGC/MHRD every year in addition to the proposed in the five year plan. Besides, proposals to support research work are also submitted to many other major funding agencies such as DST, DBT, CSIR, ICFRE, ICAR, MOEF & CC, ICMR, ICSSR etc. by various departments.

A Central Instrumentation Services Laboratory (CISL) of the USIC provides instrumental facilities to the faculty, research scholars and students in the university.

The major equipments available in the university are Atomic Absorption Spectrophotometer, Atomic Force Microscope, CHNS & O analyzer, ELISA Reader, Fermenter, Fluorescent Microscope, FT-IR, NMR, Gel documentation system, High speed refrigerated centrifuges, HPLC, HPTLC, ICP, Lyophilizer, MALDI-TOF, GCMS, Mercury analyzer, Microarray scanner, Microbial Identification system, Real-time-PCR, Scanning Electron Microscope with Energy Dispersive Spectroscopy, Scintillation Counter, Seawater circulation system, Simultaneous TG-DTA/DSC/UV & IR, Spectrofluorimeters, Gel Doc System 2D Gel Electrophoresis, Activity Recorder, Gama Counter, Fraction Collector, XRD etc.

Researchers in emerging disciplines like nanotechnology, oncology, genomics, proteomics, bioinformatics etc. are encouraged to utilize the facilities and expertise available in CISL as well as in other departments of the university.

Further, HAPPRC has a high altitude research centre at Chopta, District Chamoli, Uttarakhand at altitude of 3600 m asl.

3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.

Currently the university does not have the Information Resource Centre however, the central library of the university act as Information Resource Centre by providing the researchers INFLIBNET facility and internet connectivity. Further, some of the departments have

subscribed to database search tools, which also cater to the needs of researchers.

3.3.3 Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?

Yes, the university has a University Science Instrumentation Centre (USIC) and the facilities in the USIC are extended to the research scholars.

The following facilities of USIC are made available to the research scholars.

- X-ray Diffraction (XRD)
- Scanning Electron Microscopy (SEM)
- E-DAX
- ICP-MS
- Ellipsometer
- Liquid Nitrogen Plant
- Ferroelectric (PE loop tracer) & Piezometer

In addition, Central Facilities are also available in departments of the university that cater to the need of researchers. The facilities available in department are as follows:

Department	Facility
Department of Chemistry	C,H,N Analyser
Department of Rural Technology	Complete Weather Station
Department of Zoology & Biotechnology	2D Electrophoresis

No fund(s) has been allotted explicitly for USIC. However, last year (2014-15), Instrumentation Engineering Department was allotted Rs.5.00 Lakh for equipments, Rs.3.00 Lakh for consumables, and Rs.1.50 Lakh for library/books; (Total Rs.9.50 Lakh).

3.3.4 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/ international)?

Yes, separate hostels are available within the university campus. All have basic facilities like furniture, mess, recreation room, water purifier system etc. The University Guest House is made available for visiting scientists, both national and international.

Although computer and internet facilities have not been provided in the hostels, the research scholars have lap tops of their own and have access to the internet at the departments located nearby within the campus, some of which also have Wi-Fi facility. Also, the Central

library's internet facility is open to research scholars till late in the evening.

3.3.5 Does the university have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?

Yes, the university have following specialized research centres to address the challenges of research.

- The High Altitude Plant Physiology Research Centre (HAPPRC) has on-campus centre at Birla Campus, Srinagar and an off campus Alpine Work Station at Chopta- Tungnath (3600 m asl) in Chamoli district of Uttarakhand. Beside this, a herbal garden (0.2 h) at Pothibasa (2200m a.s.l.) and Model nursery at Lamkundi; Kulsari (1200 m a.s.l.) has been established by the centre.

A Tree Germplasm collection having 70 mountain tree species planted over an approximate area of 5 hectare land is being maintained by the Centre at Srinagar. The Alpine Work Station with an area of 10 acres has about 50 rare species of alpine herbs and more are being added to this collection on regular basis.

The Centre is well equipped with modern sophisticated instruments to conduct study on plant physiology, biochemistry, seed physiology, plant biotechnology and plant growth & development. The centre is well equipped for collection of meteorological data.

In addition to its core funding within the university, the Centre receives major research grant from various R&D agencies in the form of research projects.

- A Nodal Calibration Centre at Department of Physics, SRT Campus, Tehri has been established for promoting studies on radons in all north India states. The Centre has collaborations with Bhabha Atomic Research Center, Mumbai (BARC); Wadia Institute of Himalayan Geology, Dehradun; Inter University Accelerator Center, New Delhi and National Institute of Radiological Science, Chiba.
- The Horticulture Research Centre (HRC) at Chauras Campus besides training the UG and PG students also imparts training and demonstration to the villagers, NGOs and school children.
- In the state of Uttarakhand a number of hydroelectric projects have been commissioned resulting in creation of reservoirs. To compensate for the consequential loss of fish populations due to change in environment, fish seed is to be released in the upstream zone of the rivers, and the reservoirs for promoting aquaculture. Considering this, a Fish Hatchery has been created in the Department of Zoology & Biotechnology (Chauras Campus) in collaboration with Alaknanda Hydroelectric Power Ltd. (AHP) GVK Company. This recently completed hatchery will produce

mainly the seed of *Tor* (Mahaseer) and *Schizothorax* (Snow trout) to cater to the need of region.

- Department of Forestry & Natural Resources has established some Nurseries of various fodder plant species in the different parts of Garhwal under its Demonstration and Extension Programme. Department has also been making serious efforts to create the awareness among the local farmers through these nurseries.
- Recently, the Department of Physics, with the grant from UGC, has developed a Planetarium and Astrophysical laboratory at Chauras Campus. This would serve as a centre for learning for both students and public.
- Department of Rural Technology has installed automatic weather station and the facility is recording the changing weather pattern of the Srinagar valley and takoligad watershed. The data obtained from this facility can be utilized by any researcher with due permission and acknowledgement.
- Apart from this Department of Geology also has temporary research station in for hydrological and mass balance studies in Satopanth glacier, district Chamoli, Uttarakhand.
- To conserve the ancient culture, heritage and other monuments of archaeological value, a museum was constructed at Srinagar but due to high rainfall followed by massive landslide entire Museum got damaged badly in 2010, now new museum has been constructed at Chauras campus.

3.3.6 Does the university have centres of national and international recognition/ repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Yes, the University has specialized research centers to conduct research pertaining to High altitude ecosystem known as High Altitude Plant Physiology Research Centre (HAPPRC) at Tungnath. At 3600 m asl, this is one of the highest research stations in the Country.

This facility has been utilized by the International/National institutes like-

- National School of Forest Engineering, Nancy, France for exposure visits and field oriented training programme for students.
- Bhutan government for the exchange of technical know-how on medicinal and aromatic plant cultivation, exposure trips, visits of experts and training programmes.
- Dhawan International, Delhi based exporter of MAPs on commercial cultivation, technology transfer to farmers and providing Buyback arrangement for effective marketing.

- Uttarakhand Livelihood Project for the Himalayas (ULIPH), Govt. of Uttarakhand for cultivation technical know - how of medicinal and aromatic plants.
- Dabur India Ltd. Ghaziabad for cultivation of *Nardostachys jatamansi* in Niti Valley of Uttarakhand.

3.4 Research Publications and Awards

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

Yes, some of the University departments publish research journals. The details of the journal published by university department are as follows:

- Journal of Tourism; An international Research Journal on Travel and Tourism is published by Department of Centre for Mountain Tourism and Hospitality Studies since 2000.

All the contribution submitted for possible publication in Journal of Tourism goes through Double Blind Peer Review provided that they meet a basic minimum standard in the judgment of Editorial Board. The Journal of Tourism has a panel of reviewers who review the manuscripts as a voluntary service. Acceptance of a manuscript for publication in Journal of Tourism shall make its main author eligible to become a reviewer in future.

The editorial board is very strict regarding plagiarism. The journal believes that taking the ideas and work of others without giving them credit is unfair and dishonest. The editorial board retains the absolute authority to reject the review process of a submitted manuscript if it subject to minor or major plagiarism and even may cancel the publication upon the complaint of victim(s) of plagiarism.

Editorial Board - The Journal of Tourism (ISSN: 0972-7310)

Patron: Prof. Jawahar Lal Kaul, Vice-Chancellor, HNBGU; Chief Editor: Prof. S.C.Bagri; Editor: Prof. S.K. Gupta; Associate Editor: R.K.Dhodi; Managing Editor: A. Suresh Babu, Govt. Arts College, Ooty. The Nilgris (Affiliated to Bharathiar University, Coimbatore, India)

Members:

Jerome Agrusa, Ph.D., Hawaii Pacific University, USA; S.P. Bansal, Ph.D., Himachal Pradesh University, India; Cheri Becker, Ph.D., University of Southern Mississippi, USA; Dimitrios Buhalis, Ph.D., Bournemouth University, UK Gregory E. Dunn, Ph.D., Oklahoma State University, USA; Zaher Hallab, Ph.D., California State University, USA; Ben Henry, Ph.D., Customer Service Academy of Jamaica, Jamaica; Robert Inbakaran, Ph.D.,

RMIT University, Australia Stanislav Ivanov, Ph.D., International College, Bulgaria; Mathew Joseph, Ph.D., University of South Alabama, USA; O.P. Khandari, Ph.D., Bundelkhand University, Jhansi, India; Brian King, Ph.D., Victoria University, Australia; Ernest King, Ph.D., University of Southern Mississippi, USA; Mohit Kukreti, Ph.D., Ministry of Higher Education, Sultanate of Oman; Kathryn LaTour, Ph.D., University of Nevada, Las Vegas, USA; Mike Latour, Ph.D., University of Nevada, Las Vegas, USA; J.D. Lema, Ph.D., Drexel University, USA; R.A. Sharma, Ph.D., Jiwaji University, Gwalior, India; Scott McCabe, Ph.D., Nottingham University, UK; Mark Miller, Ph.D., University of Southern Mississippi, USA; Shahdad Naghshpour, Ph.D., University of Southern Mississippi, USA; Alexandru Nedelea, Ph.D., Univ.Stefan cel Mare Suceava, Romania; Rose Okech, Ph.D., Masino University, Kenya; Catherine Price, Ph.D., University of Southern Mississippi, USA; Timothy Reisenwitz, Ph.D., Valdosta State University, USA; Surekha Rana, Ph.D., Gurukul Kangri University Girls Campus, Dehradun, India Geoff Wall, Ph.D., University of Waterloo, Canada; Ernie K. Wilson, Paul Smith's College, USA; Bihu Tiger Wu, Ph.D., Peking University, China

- GUMBAD is published by Department of Business Management
- Journal of Mountain Research is published by Society for Himalayan Action Research and Development (SHARAD), BGR Campus, Pauri. (ISSN 0974-3030). The details of the journal are as follows: Vice Chancellor of HNB Garhwal University (Chief Patron); Director, BGR Campus, Pauri (Patron); U C Naithani, Department of Physics, BGR Campus, Pauri (Chief editor), Anoop K Dobriyal, Department of Zoology, BGR Campus, Pauri (Managing Editor). The Editorial Board of the Journal is: V S Singh, Department of Chemistry, BGR Campus, Pauri; M S Bisht, Department of Zoology, BGR Campus, Pauri; P P Badoni, Department of Chemistry, BGR Campus, Pauri; R Dangwal, Department of Mathematics, BGR Campus, Pauri and D R Khanna, Department of Environmental Science, Gurukul Kangri Vishwavidyalaya, Haridwar. The Assistant Editors of the Journal are HK Joshi, BGR Campus, Pauri and S L Bhandari, BGR Campus, Pauri.
- Himalayan Journal of Social Sciences and Humanities is published by BGR Campus, Pauri. (ISSN 0975-9891)
- In addition to research journals, some of the departments do publish newspapers prepared by the students. SANCHAR TATWA is a newspaper published by Centre of Journalism and Mass Communication. PRASAR is a monthly new bulletin circulated among neo-literates by the Department of Adult, Continuing and

Extension Education.

3.4.2 Give details of publications by the faculty:

The details of publications by the faculty within last four year are as follows:

Papers published	Monographs	Book Chapters	Edited Books	Book With ISBN	Impact Factor range
2418	08	215	70	68	0.08 to 10.75

2.4.3 Give details of

* faculty serving on the editorial boards of national and international journals

The details of faculty serving on the editorial boards of national and international journals are as follows:

Department of Forestry and Natural Resources

- Prof NP Todaria – Member Editorial Board of International Journal of forest Use, SP Mangement, Dehradun, India
- Dr Rajiv Pandey
- Editor of Peak Journal of Agricultural Sciences, Open Access Journal, (www.peakjournals.org) ISSN 2331-5784
- Associate Editor of World Journal of Biodiversity and Ecology
- Journal of Modern Sciences, Canadian Society of Education and Science, Canada (www.ccsenet.org/mas) ISSN 1913-1844
- Journal of Clean Technologies and Policy, International Institute for Science, Technology and Education (IISTE), London (www.leadingpaper.com/coolapply)
- Dr S.S. Phartyal
- Member of International Journal of Agronomy' Hindawi Publishing Corporation, USA.(http://www.hindawi.com/89203495/).
- Member of 'The Scientific World JOURNAL (TSWJ)' – Agronomy Section. (http://www.thescientificworldjournal.com/89203495/)

Department of Geology

- Prof. HC Nainwal- Editor, Himalayan Review Journal; ISSN: 2348-4942

Department of Zoology and Biotechnology

- Prof. N. Singh- Indian J. Fisheries & Environment, Hardwar
- Prof. J.P. Bhatt
 - Proc Academia Sciences, India
 - Indian J. Animal Sciences, ICAR, New Delhi
- Prof. S.N. Bahuguna
 - Himalayan J. Environmental Biology

- American Biographic Institute
- Journal of Fisheries Science, Springer
- Prof A K Dobriyal
 - Journal of Mountain Research- ISSN- 0974 3030
 - Himalayan Journal of Social Sciences and Humanities ISSN 0975 9891
 - International Journal of Biology, Canada
 - International Journal for Environment and Waste Management-2009-11 (Inder science submission system)
 - Essence, an International Journal for Environmental Conservation and Rehabilitation, Hardwar 2010 onwards
 - Journal of Applied and Natural Sciences, Hardwar, 2010 onwards,
 - Journal of Environment and Biosciences, Hardwar
- Prof. N. K. Agarwal, Assistant Editor of Environment Conservation Journal

Department of Botany and Microbiology

- Dr. Dhananjay Kumar
 - Environmental Quality Management
 - Austin Journal of Environmental Toxicology
 - Austin Journal of Plant Biology
- Dr. Rahul K. Singh
 - Trends in Biotechnology Research
 - Trends in Life Sciences
- Dr. Vineet K. Maurya
 - Journal of Advanced Research in BioScience and BioTechnology
 - Journal of Advanced Research in Life Sciences and Applications

Department of Environmental Sciences

- Prof. R C Sharma
 - Member of Editorial Board of Bhartiya Vaigyanik Evam Audyogik Anusandhan Patrika, CSIR, Govt. of India (2011-2013)

Department of Chemistry

- Prof. V. S .Singh
 - Editorial Board of Journal of Mountain research
 - American Journal of Physical Chemistry

Department of Mathematics

- Dr. K. S. Rawat was the member of Editorial Board of the Tensor Society from 2009-2011.

Department of Physics

- Prof. U.C. Naithani, Chief Editor, Journal of Mountain Research
- Prof. R.C. Ramola
 - Guest Editor of Indian Journal of Physics (Springer), Volume 83 (Nos. 6, 7 & 8), 2009, published as the Proceedings of Fifteenth National Symposium on Solid State Nuclear Track Detectors and

- Their Applications, Tehri Garhwal, India, June 21-23, 2007.
- Guest Editor of topical issue “Geo-Hazards” of Acta Geophysica (Springer), Volume 61, Issue 4 (2013), published as the Proceedings of Third International Geo-Hazards Research Symposium, Tehri Garhwal, India, June 10-14, 2012.

Department of Pharmaceutical Sciences

- Dr. Semalty
 - Drug Discovery and Development
 - International Journal of Pharmaceutical Science & Nanotechnology
 - Pharmacognosy Journal
 - Global Journal of Pharmaceutical Technology

Department of Pharmaceutical Chemistry

- Dr. Sarla Saklani
 - Nominated as Reviewer/Referee of the Journal of “Food Chemistry”, U.S.A., 2012-2013.
 - Dr. Sarla Saklani, Editorial Boards: Credited as Associate Editor in the Editorial Board of research journal “The Herb, International Journal of Phytomedicine and Pharmacognosy.

Department of Sanskrit

- Prof J K Godiyal, worked as Chief Editor of Himalayan Journal of Social Sciences and Humanities (ISSN- 0975- 9891) and Campus Bulletin Him Bharti
- Prof. Vineet Sharma was member of advisory board of Anvikisiki, Journal of Uttarakhand Sanskrit Academy.
- Dr Kusum Dobriyal has worked as Member of Editorial Board of Himalayan Journal of Social Sciences and Humanities (ISSN- 0975-9891) and Campus Bulletin Him bharti

Department of English Modern European & other Foreign Languages

- Professor Satich C. Aikant, Editor, Summer hill: IAS Review, Contributor to Literary Encyclopedia, UK, (Online edition)

Department of Anthropology

- Prof. H.B.S. Chauhan, Associate editor, International Journal Asian Man

Department of History, including Ancient Indian History,

- Dr. Yogambar Singh Farswan, Member, Editorial Advisory Board, Journal of Current Sciences, an International Journal of the Society for the Sciences, India.
- Prof S A H Zaidi working as Chief Editor of Himalayan Journal of Social Sciences and Humanities, HN BGU Campus Pauri Garhwal since 2011

Department of Political Science

- Prof. C.S. Sood, Member Editorial Board – Research Look, Varanasi;
- Prof. Himanshu Bourai, Editor – Journal of Gandhian Studies, 2012;
- Prof. M.M. Semwal,

- Guest Editor, Samaj Vigyan Shodh Patrika, Half yearly Research Journal of Social Sciences;
- Member Board of Editors, Journal of Global Research and Analysis (A Multi Disciplinary Referred Research Journal);
- M.M. Semwal, Member Board of Editors, Anusandhan Vatika (A quarterly Research Journal of Human Existence)

Department of Sociology and Social Work

- Prof. J. P. Pachauri –
 - Member, Advisory Board, Mangalam, Half yearly Journal of Humanities and Social Science Mangalam Sewa Samiti Allahabad (U.P.) since Aug. 2011.
 - Prof. J. P. Pachauri-Honorary Member of the Editorial Advisory Board of 3E Synergy 3E-International Journal of Social Behaviour.
 - Prof. J. P. Pachauri-Expert Member Board of Studies Sociology, Deen Dayal Upadhyaya University, Gorakpur, since 1st Nov. 2011.

Department of Philosophy

- Dr. M. K. Singh is member of Shodh Dhara, Orai, Jalaun

Department of Commerce

- Prof. R.C Dangwal: NICE Journal of Business
 - Journal of Accounting and Finance
 - Journal of Banking, Information Technology and Management
 - Journal of Management Outlook
 - Indian Journal of Research
 - R.C Dangwal: Indian Journal of Management
- Prof. S.K. Srivastava: Member in editorial board and advisory board of different ISBN & ISSN journals

Department of Education

- Dr. P. K. Joshi:
 - Editorial Board, International Journal of Education “Gyankosh” published by Dronacharya college of Education, Kangra (H.P.).
 - Editorial Board, Educational Research Journal, UttrakhandShodhSansthan, Kotdwar (Garhwal) Uttrakhand
- Dr. Rama Maikhuri: Indian Journal of Phychometry and Education (IJPE), Agra, India
- Dr. Sunita Badola
 - Member, Advisory Board, Recent Educational & Psychological , Researcher , Referred Journal, Utthin/12/0200-TC, ISSN2278-5949
 - Additional Board, Journal of National Development Center for Studies of National Development, D-59, Shastri Nagar, Meerut.
- Dr. Seema Dhawan
 - Editorial Board, Global Peace International Journal.
 - Editorial Board, The Teacher Educator, the official journal of Ball State University (Taylor & Francis Group).
 - Editorial Board, Souvenir, International Seminar on Non-Violence

and Peace Education

- Indian Journal of Psychometry and Education, India
- Editorial Board, Abstracts 2008-10; published by SID Centre for research & Extension, Yamunanagar.
- Editorial Board, Psychological Tools published by SID Centre for research & Extension, Yamunanagar.

Department of Physical Education

- Mr. Mukul Pant: Member of Editorial Board for Horizon Palestra, an international refereed journal of Physical Education and sports sciences,
- Dr. Joseph Singh: Member of Editorial Board “International Educational E - Journal” A referred Journal with impact factor of 2.089, president of information & technological solutions society for sports
- Dr. Hiralal Yadav: Member of the National Scientific Advisory board of Reviewers in the National Journal of Physical Education and Sports Science (NJPESS) LNIPE, Gwalior, M.P.

Centre for Mountain Tourism & Hospitality Studies (CMTHS)

- Prof. S.C. Bagri:
 - International Journal of Event & Festival Management (www.emeraldinsight.com)
 - Editor in Chief, Journal of Tourism, CMTHS, HNBGU
- Prof. S.K. Gupta:
 - Editor of Journal of Tourism, A Bi-annual International Referred Journal, 2012 onwards.
 - Associate Editor, “Ecoforum Journal”, an International Journal, Romania.
 - Associate Editor, “Revista de Turism- StudisiCercetari in turism”, ‘An International Journal’, Romania

Department of Business Management

- Mr. Mahendra Babu Kuruva:
 - Member, Editorial Board, Asian Journal of Business Management and Technology
 - Member, Editorial Board, International Journal of Management and Educational Aspects
- Dr. Monika Kahsyap: Member, Editorial Board, Asian Journal of Business Management and Technology

Department of Defence and Strategic studies

- Dr. D. K. Pandey is in Editorial board of Swrakha paridrishya, Surakha Chintan and International Journal of Social Sciences

Department of Law

- Prof. A. K. Pandey, Member, Editorial board, IIMT Law Journal, ISSN22771239
- Mr. A. K. Yadav, Member board of referees of Journal

* **faculty serving as members of steering committees of international conferences recognized by reputed organizations/ societies**

- Prof. Annpurna Nautiyal, Co-organizer of International Conference organised by the Centre for Chinese and South East Asian Studies, JNU, New Delhi on "India-China-Nepal: Redefining Historical Relations in Contemporary Times" 16-17 October 2014, at JNU, New Delhi

2.4.4 Provide details for

* **research awards received by the faculty and students**

- Dr. Indrashish Bhattacharya
 - Received Young Investigator Award in the International Conference ISSRF, IVRI, Bareilly, UP.
 - Institute Fellowship as a visiting Associate Professor for 3 months at Hokkaido University, Japan
- Dr. Rahul K. Singh and Dr. Vineet K. Maurya received Associate Young Scientist Award in NCEEER- 2013.
- Dr. Rahul K. Singh also received Young Scientist Award for contribution in Medical Sciences by Samaj Vikas Sansthan, Meerut in October 2013.
- Prof. Ramesh C. Sharma, Department of Environmental Sciences is honoured with the following recognitions:
 - Smt. Amrita Devi Bishnoi National Environment Gold Medal 2009 for outstanding research and academic contribution in the field of Environmental Studies
 - Dr. M.C. Das National Environment Gold Medal 2012 for outstanding research and academic contribution in the field of Environmental Sciences
- Prof. D. S. Negi, Department of Chemistry received
 - Commonwealth Fellowship in 2009
 - IUSSTF grant for Indo- US Conference
 - Nominated as CICOPS Fellow, Italy 2012
- Dr. N. S. Panwar, Department of USIC, was conferred with the prestigious 'Bharat Jyoti Award' in 2011 by Friendship Society of India.
- Prof. Annpurna Nautiyal, Department of Political Science received Fulbright Fellowship Award from USA.
- Prof. R. C. Dangwal, Department of Commerce has been awarded Best Academic Award for Research & Teaching by the Punjab Commerce and Management Association in collaboration with Chandigarh University, Chandigarh in its 10th International Conference on Business Management & Economics, 2014
- Prof. P. K. Joshi, Department of Education received prestigious ET now National Education Leadership Award Endorsed by the World

Education Congress and B-school affair, at Taj Lands End, Mumbai (Feb 2013)

- Dr. Seema Dhawan, Department of Education received Prof. Satya Pal Ruhela Best Educational Sociologist Award, 2014.

* **Details of national and international recognition received by the faculty from reputed professional bodies and agencies**

- Prof. N. P. Todaria, Department of Forestry and Natural Resources, INSA – DFG collaborative fellowship in 2013 to visit the German Universities.
- Dr. Sabyasachi Dasgupta and Dr. Rajiv Pandey, Department of Forestry and Natural Resources, Awarded NFP, the Netherlands in 2012 for training program on Natural Resources Conflict.
- Dr. Rajiv Pandey, Department of Forestry and Natural Resources awarded financial assistance from Mountain Social Ecological Observatory Network situated at University of Idaho, USA to attend Workshop cum Fair in University of Nevada, Reno. USA.
- Prof. A. R. Nautiyal, HAPPRC, is a member of National Academy of Sciences, Allahabad (MNASc)
- Prof. M. C. Nautiyal, HAPPRC, is a member of National Academy of Sciences, Allahabad (MNASc)
- Dr. J.S. Chauhan, Department of Seed Science, has been awarded the International Scholarship - MASHAV, through the Ministry of External Affairs, Government of Israel, Israel 2009.
- Prof. L. J. Singh, Department of Defence and Strategic Studies received Special Award by the Ministry of Defence for the Book “The Impact of War on International Relations since 1945”
- Prof. P. Nautiyal, Department of Zoology & Biotechnology became Fellow Academy of Environmental Biology, India
- Prof. D. S. Negi, Department of Chemistry received the following recognitions
 - INSA-DFG Visiting Fellowship for Germany in 2012
 - Elected as Life Member of National Academy of Sciences, Allahabad, Physical Sciences, 2010
 - Nominated for Science Education Member of Indian Academy of Sciences, Bangalore, 2013.
 - Fellow Indian Chemical Society, Science Congress, Chromatographic Society of India,
 - Nominated as Inspired Teacher and Innovators from University, for interaction with his Excellency President of India.
 - Life Member Sustainable Nanotechnology Organization, USA
 - Nominated State Coordinator of UCOST for Green Chemistry Chapter, 2011

- Honoured by DST, Govt. of India and Department of Chemistry, Green Chemistry Centre, University of Delhi for the commitment and contribution for the popularization of Green Chemistry in India December 26, 2011, at New Delhi.
- Nominated for “The Centre for International Cooperation and Development (CICOPS), Italy” 2013-14
- Dr. S.C. Sati was nominated for Training and Workshop for Young Chemistry Teachers of Developing World, Afro-Asia workshop on Advanced Topics in Chemistry, Sponsored by TWAS (The Academy for the Developing World) Regional Office for Central and South Asia (ROCASA) Trieste, Italy, organized by Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore, June 13-17, 2011.
- Prof. S.C. Bagri, CMHTS, was recognized best academician in Travel and Tourism by AYANAANT: An outbound Travel thought leadership meet.
- Mr. Mahendra Babu Kuruva and Dr. Monika Kashyap, Department of Business Management received best Paper Award for “FDI in to India’s Multi Brand Retail-A Critical Analysis” presented at the National Seminar at Himachal Pradesh University, Shimla, organised by the H.P.U. Business School from 28-29.03.2014.
- Prof N K Agarwal, Department of Zoology, Tehri Campus, received Fellow Award from MANU- International Council for Man and Nature in Aug. 2010. He also received Fish & Fisheries award of ASEA (Action for Sustainable, Efficacious development and Awareness) for the year 2010.
- Prof. Sunita Godiyal, Department of Psychology Received Anand-Dr. Pramila Pathak Memorial Award of Best Developmental Psychologist 2011.
- Prof A K Dobriyal, Department of Zoology, BGR received the following recognition:
 - Paul Harris Fellow of Rotary Foundation (2010)
 - FANSF (Fellow of Applied and Natural Science Foundation)-2011
 - Silver Jubilee Gold Medal of Indian Academy of Environmental Sciences, Hardwar (2012)
 - FNSC (Fellow of Natural Science and Culture (2012)
- Prof. V. S. Singh, Chemistry received Visiting Professorship in Bright Star University, Libia and Post-Doctoral fellowship of the Govt. of Austria
- Professor Satish C. Aikant , English Department became a Fellow of the Indian Institute of Advanced Study, Shimla, and a Visiting Professor in Paris, France.

3.4.5 Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in *Shodhganga* by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?

The average number of successful M.Phil. and Ph.D scholars guided per faculty during the last four years is around 04 and 02, respectively. The successful research scholars are required to submit a soft copy of the Ph.D thesis with the University. The thesis is then uploaded for electronic dissemination through open access.

3.4.6 What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

The University is committed to undertake research with impeccable scientific integrity and in conformity with the accepted code of principles on Good Research Practices, as also mentioned in its Ph.D. ordinance.

All Ph.D. students undergo training in Research Methodology so as to adopt good research practices during the mandatory Pre-PhD course. A research student makes pre-submission presentation of thesis before the faculty and the suggestions made therein are duly incorporated in the thesis.

The mandate of publishing one research papers before submitting the Ph.D. thesis and evaluation of the thesis by three external experts, one from India and another overseas enables detection of malpractices and plagiarism. In addition the University is planning to use software to detect plagiarism. URKUND software is available for checking of plagiarism. Further, Boards of Studies check malpractices and plagiarism in research.

So far, no case of plagiarism has been reported in the University.

3.4.7 Does the university promote interdisciplinary research? If yes, how many interdepartmental/ interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?

Yes, the university do promote interdepartmental research as is reflected in the joint research projects i.e. PI from one department and Co-PI from the other (eg. Pharmaceutical Sciences and Chemistry)

Likewise, university also promote inter-institutional research projects.

National Collaborations

Name of collaborator from HNBGU	Name of collaborator from other Institutions
Prof. H C Nainwal,	• Prof. R Shankar, IMSc Chennai

Department of Geology, Birla Campus, Srinagar	<ul style="list-style-type: none"> • Dr. Argha Banerjee, IISER Kolkata • Dr. IM Bahuguna, SAC (ISRO) Ahmedabad
Prof. YP Sundriyal Department of Geology, Birla Campus, Srinagar	<ul style="list-style-type: none"> • Dr Pradeep Srivastava, WIHG, Dehradun • Dr. VC Thakur, WIHG, Dehradun • Dr. RJ Perrumal, WIHG, Dehradun • Prof. LS Chamyal, MS Univ. Baroda • Dr. Navin Juyal, PRL Ahmedabad
Dr. SP Sati Department of Geology, Birla Campus, Srinagar	<ul style="list-style-type: none"> • Dr. Vineet Gehlot, NGRI, Hyderabad • Dr. Snehmani, SASE
Department of Physics, Birla Campus, Srinagar	<ul style="list-style-type: none"> • Collaboration with ARIES Nainital and Gurukul Kangri University Haridwar. • National programme with participation from different research and governmental organizations “Cloud Aerosol Interaction and Precipitation Enhancement Experiment (CAIPEEX)” conducted by Indian Institute of Tropical Meteorology, Pune India from 2012-2015. • Joint field campaign Indian Institute of Tropical Meteorology and Indian Institute of Technology, Kanpur (IITM-IITK) during the winter and spring (2011-2012). The measurement made in the campus of IIT Kanpur for aerosol study, trace gases, meteorological parameters, and neutral air ion spectrometer and radon progeny meter. The analysis is in progress at HNB Garhwal University. • National: Visiting Associate, Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune
Department of English	<ul style="list-style-type: none"> • National School of Drama, New Delhi • Department of Culture, Uttarakhand

International Collaborations

- Collaboration with Dr Fabian Solman at International Centre for Theoretical Physics (ICP Italy)
- Participation in 28th Indian Scientific Expedition to Antarctica (South Pole) by National Centre for Antarctica and Ocean Research (NCAOR, Goa) and Government of India in 2009.
- Participation in Training Course on Atmospheric Chemistry and Reactive Gases organized by WMO and GAWTEC at Station

Schneefernerhaus (UFS) at Zugspitze, Germany during October 16, 2011 to October 29, 2011.

- Participation in Associate program of ICTP Italy from (2012-2017), at Earth System Physics, the Abdul Salam International Centre for Theoretical Physics (ICTP), Trieste Italy.
- Participation in “School and workshop on ""Weather Regimes and Weather Types in the Tropics and Extra-tropics: Theory and Application to Prediction of Weather and Climate" October21-30, 2013, Miramare Trieste, Italy
- Participation “School and Conference on "the General Circulation of the Atmosphere and Oceans: a Modern Perspective ", 2011, the Abdul Salam International Centre for Theoretical Physics (ICTP), Trieste Italy.

3.4.8 Has the university instituted any research awards? If yes, list the awards.

No, so far the university has not instituted any research award.

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

There is no such formal arrangement available in the university to offer incentives to the recipients of recognitions.

3.5 Consultancy

3.5.1 What is the official policy of the University for Structured Consultancy? List a few important consultancies undertaken by the university during the last four years.

The University is yet to evolve a policy for structured consultancy. A Committee was constituted by the university for the framing such policy; approval of recommendations of Committee by the Competent Authority of the university is still awaited.

The University is providing consultancy to several Government and Private Agencies. Major consultancies provided by the university are listed below:

Consultancy	Benefitted Agency
Review of environmental studies of Kotlibhel projects w.r.t restrictions imposed by Hon’ble Supreme court on Development of Hydropower Projects in Uttarakhand. (Dept. of Forestry and Natural Resources)	National Hydro Power Corporation (NHPC) Ltd. Faridabad.
Cumulative Environmental Impact Assessment Studies of Hydroelectric project in Alaknanda and Bhagirathi river basin and its tributaries in Uttarakhand. (Dept. of Forestry and Natural Resources)	Indian Institute of Technology (IIT), Roorkee, Uttarakhand

Social impact assessment (SIA) of Naitwar Mori hydro electric project (59 MW) in Uttarakhand. (Dept. of Forestry and Natural Resources)	Satluj Jal Vidyut Nigam Ltd.(SJVNL), Shimla, Himachal Pradesh.
EIA study for Bhilangana –IIA (24MW), Bhilangana – IIB (24 MW) & Bhilangana –IIC (21MW) (Dept. of Forestry and Natural Resources)	Uttarakhand Jal Vidyut Nigam Ltd.(UJVNL) Dehradun, Uttarakhand
Socio Economic Study (SES) of Rupsiabaghar – Khasiabara Hydro Power project (RKHPP), Dist. Pithoragarh, Uttarakhand. (Dept. of Forestry and Natural Resources)	National Thermal Power Corporation (NTPC) Ltd., Noida, UP
Environmental Impact Assessment (EIA) studies for Naitwar-Mori HEP (33 MW) in the state of Uttaranchal. (Dept. of Forestry and Natural Resources)	Satluj Jal Vidyut Nigam Ltd. (SJVNL), Shimla.

3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?

Yes, the university has recently established an Industry Academia Linkages Cell, where the very first event named ‘AAROHAN’ was organized on April 2-3, 2015 by the Department of Business Management. The objectives were to delve upon the critical issues in the integration of industry and academia; to identify potential areas of mutual participation of industry and academia giving rise to synergies; to assess the Increasing interdependence between academia and industry through innovations; to discuss innovative models and options for facilitating the exchange of perspectives between industry and academia; to find plausible solutions and benefits to strengthen the industry-academia integration and engender the symbiotic partnership.

3.5.3 What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?

University does not have any such mode. It depends on individual interest of faculty members.

The departments from whom the consultancy services have been sought are: Department of Forestry & Natural Resources, Department of Environmental Sciences, Department of Geology, Department of Zoology & Biotechnology and Department of Sociology & Social Work.

3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?

If there is any requirement from any external agency, then the information is passed to the concerned department and interested persons prepare a proposal on this. The proposal is then forwarded by the competent authority of the university.

3.5.5 List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.

The areas of consultancy services provided by the University are:

- Environmental Impact assessment
- Biodiversity assessment
- Socio-economic surveys

The details of revenue generated by consultancy during the last four years are as follows:

Project	Role	Funding Agency	Amount Sanctioned (₹)	University Charges	Time period
Review of environmental studies of Kotlibhel projects w.r.t restrictions imposed by Hon'ble Supreme court on Development of Hydropower Projects in Uttarakhand.	Coordinator: Dr. S. Dasgupta	NHPC Ltd. Faridabad.	Rs. 31.27 Lakhs	Rs. 4.64 lakhs	4 months
Review of report prepared by WII, India on "Cumulative Environmental Impact Assessment of Hydropower in Ganga,".	Coordinator: Dr. S. Dasgupta	Uttarakhand Jal Vidyut Nigam Ltd. Dehradun.	Rs. 7.41 Lakhs	1.10 Lakhs	4 months
Cumulative Environmental Impact Assessment Studies of Hydroelectric project in Alaknanda and Bhagirathi river basin and its tributaries in Uttarakhand.	Coordinator: Dr. S. Dasgupta	Indian Institute of Technology, Roorkee,	Rs. 38.28 Lakhs	5.68 Lakhs	12 months + 6 Months
Alaknanda badrinath HEP (300MW)- Review of Cumulative Impact Assessment study carried out by WII.	Coordinator: Dr. S. Dasgupta	GMR Energy. GMR (badrinath) hydro power generation private limited	Rs. 1.20 Lakhs	0.20 Lakhs	2 months
Baseline demographic and Socioeconomic survey in respect of Naitwar-Mori hydro electric project in the state of Uttarakhand, India.	Coordinator: Prof. N. P. Todaria	Satluj Jal Vidyut Nigam Ltd. (SJVNL), Shimla.	Rs. 3.50 Lakhs	0.70 Lakhs	4 months
Environmental Impact Assessment (EIA) studies for Naitwar-Mori HEP (33 MW) in the state of Uttaranchal.	Coordinator: Prof. N. P. Todaria	Satluj Jal Vidyut Nigam Ltd. (SJVNL), Shimla.	Rs.20.95 Lakhs	4.75 Lakhs	23 months

Socioeconomic survey of villages in Tharali block, District Chamoli, Uttarakhand	Co-ordinator: Prof. JP Pachauri	Satluj Jal Vidyut Nigam Ltd. (SJVNL), Shimla.	Rs. 2.4 Lakhs	96,000	12 months
Total (amount in Lacs)			105.01	18.03	

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

A sense of belonging to the Institution, Intellectual honesty, commitment to teaching, social bonding and national duties are some of the important institutional social responsibilities that are inculcated in the teachers. The University not only urges the importance of disseminating knowledge but also places emphasis on the global priorities like societal duties, eco-consciousness and environmental awareness. Apart from the individual departments, these activities are organized by the Office of the Dean of Students Welfare (DSW) and NSS Coordinator. A few social outreach programmes which are conducted by the different groups are as follows:

- HAPPRC and Department of Geology have made significant contribution in disaster management measures after the Kedarnath flash flood disaster of June 2013. After the disaster, the Department of Science and Technology (DST), Government of India took a big initiative to collect data related to the damage under its project "MANU" (Map the Neighborhood in Uttarakhand). Under this project Alaknanda, Mandakini, Yamuna, Bhagirathi, Pinder and Kali valleys were surveyed. Department of Geology of the University was assigned to collect socio-economic and scientific data of damage from the most affected Mandakini and Alaknanda Valley. About 60 students were imparted 3 days training on data collection at Indian Institute of Remote Sensing, Dehradun. Subsequently, they collected the required data from Alaknanda and Mandakini valley and after its analysis a detail technical report was submitted to DST. Finally, the DST submitted a detail report to Uttarakhand Government for execution of the recommendations. During the survey, field photographs of the landslides and damage to infrastructure were directly uploaded on the Bhuvan portal of National Remote Sensing Agency. For this 20 mobile phones were provided to students in which various softwares designed by IIRS were installed. Each student was paid Rs.15000 per month. DST sanctioned Rs. 48.80 lakh to the University for the purpose.
- A series of lectures for college students were organized by Co-

ordinator, Sparsh Ganga, BGR Campus, Pauri for creating awareness regarding protection and conservation of river Ganga.

- Cleaning of campus and adjoining areas by different departments like Forestry and Natural Resources during important environment days.
- Distribution of planting materials and tree planting
- Active participation in Blood donation camps by the students and in awareness programs.
- Campaign for tobacco free and non smoking zones.
- Plantation of trees

3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

The university promote university-neighbourhood network and student engagement through its extension activities organized by Department of Sociology and Social Work, Department of Adult Continuing and Extension Education, NSS and NCC.

Further, School of Agriculture inform the neighbouring village communities about methods/developments to increase their agriculture produce. Extension and training programme for the progressive farmers of adjoining blocks, districts are also organized.

3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

The students and faculty are encouraged for participation in extension activities. The young faculty members are motivated to join NSS as program officers by the senior faculty members. The tenure of the NSS program officer is three years; thereafter another faculty member joins NSS as program officer. This creates a pool of young faculty members inclined towards participation in extension activities.

Lectures are delivered by the faculty members or external experts for motivating the students to participate in NSS and NCC programs. The students are informed about the academic benefits of joining the NSS and NCC viz. weightages for admission to higher study and PSC examinations of the State.

3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

A number of research projects are being undertaken in the university with a theme for empowerment of women and underprivileged sections of society. The details of some of the works undertaken are as follows:

- Educating adolescent girls and young women on health and hygiene related issues in district Pauri of Uttarakhand. 2012-14.
- Problems in socio-economic empowerment of hill rural women in Uttarakhand: A study of Pauri district. 2012-2014.
- Gainful employment to rural women of Uttarakhand through cultivation and utilization of essential oil bearing plants.
- Problems and minimum economic need assessment of BPL households in hill rural areas: A Study of district Pauri in Uttarakhand.
- Organize legal literacy awareness programmes in neighbouring areas.

The department of Sociology and Social works is actively involved in social surveys and research. Some of social responsibilities undertaken by the department are:

- Aditi Mahila Sashaktikaran Puruskar was given to Km. Renu Sakalani in a function organised in Collaboration with Aditi Smriti Nyas on dated 05-03-2013.

Further, the university has a dedicated department of Adult Continuing & Extension Education, which is actively involved in extension activities. The faculty members and students are actively involved in organizing field workshops for the benefit of the community. The department conducts skill and personality development courses, computer training course, career orientation courses, health camps, population awareness developing modules, survey work, seminars and celebrating special days of National importance.

3.6.5 Does the university have a mechanism to track the students' involvement in various social movements/activities which promote citizenship roles?

Yes. The University has a mechanism to track the student's involvement in various social movements/activities to promote citizenship roles through NSS/NSS.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

Some of the departments of the University conduct the workshops and seminars and also hold the awareness campaign on domestic violence, gender sensitization and legal education. NSS conducts the activities related to the issues such as blood donation, tree plantation, environmental awareness, health camps focusing on polio eradication, HIV/AIDS, etc. The first hand information gained through these activities make the students aware of the problems and needs of the

society. They emerge as better citizens, having become sensitive to the society to which they belong.

3.6.7 How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.

The Department of Adult, Continuing and Extension Education and Department of Sociology and Social work organize community outreach programs.

Further, the NSS is involved in organizing activities for community development. The Women Study Centre of the University is also involved in the programs that contribute to community development.

Some of the contributions

- Spread Legal awareness amongst the community
- Health camps
- Women empowerment

3.6.8 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

The university has not received any award for activities/contribution to community development in the last four years.

3.7 Collaboration

2.6 How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

The University collaborates with various national and international Institutes and agencies. There are many benefits from these collaborations such as:

- Eminent Scientists from India and other countries visit the University departments and provide academic exposure to the students.
- Quality publications are brought out.
- Enhances the opportunities for pursuing higher studies.
- Collaborators offer travel/study/research grants and fellowships.

The university has benefitted academically and financially also. As an instance, the activities and research work done by the German students at Department of Forestry and Natural Resources, HNBGU got wide publicity in the German news paper. Thereby, creating interest among the other students for pursuing their internship and thesis work in the HNBGU. As a consequence, the University of Applied Forest

Sciences, Rottenberg, Germany has invited one faculty with full financial support to visit their university and develop more research collaboration with other universities too.

2.7 **Mention specific examples of how these linkages promote**

* **Curriculum development**

These linkages help in evolving the curricula incorporating the requirements of the job providers, especially in professional courses like Management and Tourism.

* **Internship**

These linkages certainly promote scope for internships. The departments benefitted are MBA, Forestry, Horticulture, Tourism, Engineering etc.

* **On-the-job training**

Prospects of on-the- job training have increased due to linkages with collaborators. On job training is a common part to professional courses including Forest and Natural Resources, CMTHS, Management etc.

* **Faculty exchange and development**

The faculty development also takes place through updating the knowledge from the exchange visits to other research institutions. Through the linkages mutual views are exchanged and innovative ideas are generated. This helps in grooming the academic personality of the teachers. The faculty members act as resource persons and also as participants in various programmes which results in continuous professional development. This also enables to share experiences with research scholars and among the faculty members.

* **Research**

Research activities get impetus as exchange of ideas through joint research, sample analysis, joint publication etc. takes place.

* **Publication**

The university encourages academic contacts with national/international researchers and industries leading to joint publications, book/chapter writing etc. Faculty members develop liaisons with external faculty for future joint publications.

* **Consultancy**

The University has fruitful linkage with many organizations working in the Hydropower sector like NHPC, NTPC, SJVNL, UJVNL, IIT etc. This has also resulted in the increasing placement of the student from the various departments of the university. Many of the students who

were exposed as a part of consultancy got their job in the Environmental Impact Assessment area.

* **Extension**

The University extends full cooperation to the other Govt/ NGOs with regard to extension. The faculty members visit as subject experts and for guest lectures.

* **Student placement**

The prospects of student placement are certainly enhanced due to such linkages, which shall be evident in the near future.

2.8 Has the university signed any MoUs with institutions of national/ international importance/ other universities/ industries/ corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?

Yes, the University has MoUs with following International/National institutions:

International	
1	University of Applied Forest Sciences, Rotten burg Germany (14.03.2014)
2	Linnaeus University, Sweden (Department of Social work). (30.10.2013)
3	University of Missouri, Columbia, USA for developing working relationships for collaborative research, product development and joint educational programmes in nano-medicine, green technology, and alternative energies. With this MOU, both the institutions permit research activities and joint research projects for the benefits of Students and Faculty members (10.10.2012)
National	
4	Institute of Mathematical Sciences, Chennai; CIT campus, Taramani; Indian Institute of Science Education and Research, Kolkata for collaborative research (1-04-2013)
5	Wadia Institute of Himalayan Geology, Dehradun to encourage research and academic activities of mutual interests in the field of Geology/Geophysics (1-2-2011)
6	The INFLIBNET an IUC of University Grants Commission, Ahmedabad; for extending cooperation in research and training, Academic interaction and Exchange between institutions.
7	G.B. Pant Institute of Himalayan Environment and Development (GBPIHED), Almora; for extending cooperation in research and training, Academic interaction and Exchange between institutions (05.04.2014)
8	Central Building Research Institute (CBRI), Roorkee for extending cooperation in research and training, Academic interaction and exchange

	between institutions.
9	Indian Institute of Remote Sensing (IIRS), Dehradun, for extending cooperation in research and training, Academic interaction and Exchange between institutions.
10	Aryabhata Research Institute of Observational Sciences (ARIS), Nainital, for extending cooperation in research and training, Academic interaction and Exchange between institutions.
11	Bhabha Atomic Research Centre (BARC), Mumbai for setting up a Nodal Calibration Centre at HNB Garhwal University (Department of Physics, SRT Campus) to strengthen radon studies in states of Delhi, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir. (Nov. 2010)
12	Tehri Hydro Development Corporation (THDC) has requested Hemwati Nandan Bahuguna Garhwal University to design tailor made programme leading development in management especially designed for THDC employees meeting the standards as laid down by the UGC Delhi. On successful completion of programme, Hemwati Nandan Bahuguna Garhwal University award one year PG diploma in environmental management. (19.10.2010)

3.7.4 Have the university-industry interactions resulted in the establishment/ creation of highly specialized laboratories/ facilities?

The University is in the process of acquiring the facilities like creation of highly specialized laboratories through University – Industry interactions. Some of the existing features are as follows.

Bhabha Atomic Research Centre (BARC), Mumbai

MOU signed between Bhabha Atomic Research Centre (BARC), Mumbai and HNBSGU, Srinagar for “Setting up a nodal calibration centre at HNB Garhwal University to strengthen radon studies in states of Delhi, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir”. Keeping in view the requisite degree of fitness in terms of research activity in the field of radon studies in states as referred above and in the interest of the university the MOU was signed in Nov-2010. The above Calibration Centre is setup at Department of Physics, SRT Campus Badshahi Thaul, Tehri (Garhwal).

Fish Hatchery

Fish Hatchery has been established in the Department of Zoology and Biotechnology (Chauras Campus) sponsored by Alaknanda Hydroelectric Power Ltd (AHP), GVK Company. This Hatchery will produce seed of *Tor* (Mahaseer) and *Schizothorax* (Snow trout) to cater to needs of region.

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

2.5.6 How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

Planning for creation of physical infrastructure as per the wants and needs is a regular exercise in the university. While preparing Five Year Plan the Plan Cell of the university seeks proposals from individual functional units of the university (academic as well as administrative), prepares the Plan Document and prioritizes these on the basis of available funds. The University has a Planning and Development Board with Vice-Chancellor as Chairman and Registrar as Member-Secretary along with other ex-officio and nominated members. In addition, the university has Campus Development Committees for individual campuses that ensure micro-level planning and utilization of the physical infrastructure. Thus planning for creation as well as utilization of physical infrastructure is a participatory exercise.

While planning for creation of infrastructure needs of all the segments of university are kept in mind that includes working as well as residential infrastructure for students, faculty and administrative staff. Expansion in departmental space, students amenities, hostels, common facilities like community hall and residences for teaching and non-teaching staff has been taken up by the university in last five years. Visualizing the need of the students, a Student Activity Centre housing Senate Hall, Career and Counselling Cell, DSW, Proctor and Warden Offices along with other related centres has been established. In addition, a Student Facility Centre has been established for catering to the needs of students for banking, postal services, fee deposition, obtaining different documents from university etc.

Optimum utilization of the infrastructure is ensured through a composite teaching schedule of various disciplines.

2.5.7 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Yes, it has been the endeavour of the university to provide necessary infrastructure to each academic department as part of the planning exercise that has recently been accomplished to a great extent. The university has substantially added to its infra-structure in terms of space for class rooms, laboratories, faculty rooms and common facilities during 11th and 12th Plan period. Majority of the academic departments have been provided with independent space including

class rooms, departmental library space, seminar/discussion rooms, individual faculty rooms and separate room for Head of the Department and office space.

Enhancement in the infrastructure includes construction of a common Lecture Hall complex with 10 class rooms (4 class rooms with seating capacity of 117 and 6 with 81 capacity) in Birla Campus that has been newly added to the infrastructure and is currently in use. In addition, most of the academic departments have one or two independent class rooms. Department of Drawing and Painting houses an Art Gallery and a Studio whereas the Department of Music has a Music Studio.

2.5.8 How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

Strengthening of research facilities along with allied services is a continuous effort of university and facilitates the same with its annual and Plan funds. In addition to strengthening the research facilities in individual academic departments, the university has recently strengthened the research facilities procuring precision equipments as centralized facility renovating the USIC building and housing the equipments in it. The equipments include liquid nitrogen plant, scanning electron microscope, Mass Spectrometer, Ellipsometer, XRD, Piezo meter (PE Loop Pracer) etc. CHN Analyzer and 2D Electrophoresis have been housed in other departments. An automatic weather station has also been installed to facilitate atmospheric research. The research facilities in some of the departments have been strengthened through DST-FIST and UGC-SAP funding.

Construction of a separate building for Astronomy and Planetarium housing a digital planetarium and telescope with a revolving dome for a 360°angle view has been done not only for in house studies but also to create interest among students for astronomical sciences.

2.5.9 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes, most of the departments of the university have been provided with independent space for office room, separate room for Head of the Department and individual faculty rooms.

2.5.10 How does the university ensure that the infrastructure facilities are disabled-friendly?

While creating the physical infrastructure special provisions for physically challenged persons have been made in buildings that include access to class rooms and other facilities (including toilets). Ramps and lifts are part of this. This has been incorporated in the new

constructed buildings and is to be done in old buildings. Commissioning of special provisions for visually and hearing impaired persons is part of the 12th Plan of the University.

2.5.11 How does the university cater to the requirements of residential students? Give details of

*** Capacity of the hostels and occupancy (to be given separately for men and women)**

The university has 9 boys and 9 girls' hostels in all its campuses. These include separate hostels for research students, weaker sections of the society and a Higher Studies Women Hostel. All hostels have separate kitchen and dining area and common rooms. Development of recreational facilities is part of the 12th Plan schemes.

Girl's Hostel

S. no.	Name of the hostel	Location	Housing capacity	Occupancy
1.	Alaknanda Girls Hostel	Birla Campus Srinagar	60 Beds	57
2.	Bhagirathi Girls Hostel	Chauras Campus	150 Beds	157
3.	Mandakini Girls Hostel	Chauras Campus	86 Beds	87
4.	Higher Studies Woman Hostel	Chauras Campus	28 Beds	30
5.	Girls Research Hostel	Chauras Campus	50 Beds	37
6.	New Girls Hostel	Chauras Campus	200 Beds	
7.	Girls Hostel	BGR Campus Pauri	40 Beds	26
8.	Girls Hostel	SRT campus Badshahithaul Tehri	96 Beds	68
9.	SC/ST Girls Hostel	Chauras Campus	50 Beds	Ready for occupation

Boy's Hostel

S.No.	Name of the hostel	Location	Housing capacity	Occupancy
1.	Chaukhamba Boys Hostel	Birla Campus Srinagar	90 Beds	77
2.	Trishul Boys Hostel	Birla campus Srinagar	72 Beds	71
3.	Babu Jagjeevanram Boys Hostel	Birla Campus Srinagar	40 beds	37
4.	Vivekanand Boys	Chauras Campus	92 Beds	

	Hostel			
5.	Research Boys Hostel	Chauras campus	50 Beds	39
6.	Boys Hostel	BGR Campus Pauri	90 Beds	36
7.	Boys Hostel	SRT Campus Badshahithaul Tehri	284 Beds	189
8.	Forestry Hostel	Chauras Campus, Chauras	62 Beds	
9.	New Boys Hostel	Chauras Campus, Chauras	100 Beds	84

- * **Recreational facilities in hostels like gymnasium, yoga centre, etc.**
Open courtyard for play activities have been provided with most of the hostels. Further, solar water geysers have been provided with 01 hostel at Srinagar. In other hostels electric geysers have been provided. Recreational facilities like TV, indoor games and newspapers are available in the Common room. Gymnasium is available at Birla Campus near the hostels. Yoga centre is also adjacent to hostels in Chauras campus.
- * **Broadband connectivity/ wi-fi facility in hostels**
Central library with internet facility is located nearby hostels with access facility for the inmates of hostel.

2.5.12 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?

Yes, the university has a Health Centre created during 11th-12th Plan period that is shortly to be manned as three posts of doctors are lying vacant. The services of Health Centre will be available for resident as well as non-resident students and faculty and staff of the university. Ambulance facility is also available in the campus round the clock.

2.5.10 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

Sports and cultural events are part of the student's activities. The university has an Indoor Stadium with badminton courts and table tennis, Gym Hall and an outdoor stadium. A Gymnasium building along with table tennis hall and boxing ring has been newly added to the sports facility. A rock climbing wall has also been constructed during 12th Plan period in Chauras Campus of the university to promote adventure sports. In addition, the university has been regularly facilitating river rafting for the students as part of adventure sports. A basket ball court has also been added to the sports facility.

Organization of cultural activities by the students as also by other groups is a regular feature in the university. The auditorium with 1000 seating capacity with adequate light and sound provisions is available in the university. In addition, the university has a Folk and Performing Arts Centre with its independent auditorium that also facilitates promotion of cultural activities among the students.

The university has plans to develop a sports complex including practice ground in Chauras Campus.

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

Library has a newly constituted Advisory Committee consisting of the following members:

- Vice-Chancellor - Chairman
- All Deans - Member
- Registrar - Member
- Finance Officer - Member
- DSW- Member
- Proctor - Member
- Two outside experts nominated by Vice- Chancellor - Member
- University Librarian - Member-Secretary

The significant initiatives have been taken by the University:

- To have a balance and standard collection in our libraries, the selection and procurement have been done through empanelment of vendors.
- UGC- INFONET online lab has been handed over to the Central library so that users can use it optimally.
- A separate budget for library computerisation and RFID tagging of each book/document has been allotted to central library to make circulation control more effective and user friendly.
- The Soul software of INFLIBNET has been approved for library management in the all campuses for inventory control.
- To overcome the problem of shortage of library technical staff, a scheme called '**earn while you learn**' has been implemented to facilitate library services in the central library.
- Once the entire campus would connected with Wi-Fi connectivity, the university has decided that in future we should start procuring some of e- resources in 2015-16.
- Because of new construction of the Student facility Building, now entire central library building has recently been handed over to the library.

4.2.2 Provide details of the following:

* **Total area of the library (in Sq. Mts.) in the different campus libraries**

- Central Library Srinagar = 3233 Sq. Mts.
- Chauras Campus Library = 1268 Sq. Mts.
- SRT Campus, Tehri, Library = 520 Sq. Mts.
- BGR Campus, Pauri, Library = 1323 Sq. mts

* **Total seating capacity**

- Central Library= 200
- UGC-INFONET Lab= 25 nodes
- Chauras Library= 150
- SRT Tehri Campus Library= 150
- BGR Pauri Campus Library= 124

* **Working hours (on working days, on holidays, before examination, during examination, during vacation)**

- Central Library= 8AM to 7 PM
- Chauras Library= 10AM to 5PM
- SRT Tehri Campus Library= 10AM to 5PM
- BGR Pauri Campus Library= 10AM to 5PM

* **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

- Individual reading carrels – planning to have carrels for researchers and others
- Lounge area for browsing – Stacks
- IT zone for accessing e-resources – E-Resources Labs

* **Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection**

Adequate signages are displayed in all the sections. Automated fire extinguisher is provided in the central library for security purpose. The ramp facility will be provided for differently-abled users to visit the library in future.

4.2.3 Give details of the library holdings:

- a) Print (books, back volumes and theses)
- Central Library Holdings= 178739 documents
 - Chauras Library Holdings= 42259 documents
 - SRT Tehri Campus Library Holdings= 103710 documents
 - BGR Pauri Campus Library Holdings= 94791 documents
 - Total Collection: 419499 documents

- b) Average number of books added during the last three years
 Central Library= 9500 documents
 Chauras Library= 2200documents
 SRT Tehri Campus Library= 5500 documents
 BGR Pauri Campus Library= 5900 documents
- c) Non Print (Microfiche, AV): Nil
- d) Electronic (e-books, e-journals)
 E-books: Nil
 E-Journals (Consortia): 8500+
 Foreign online e-journals (Subscribed): Nil
- e) E-Database: 01 (JCCC)

E-Resources & Databases

Sr. No.	Publisher	URL	No. of Titles
1	American Chemical Society	http://www.pubs.acs.org/	37
2	Institute of Physics (IOP)	http://iopscience.iop.org/journals	18
3	Annual Reviews	http://arjournals.annualreviews.org/	33
4	Economic & Political Weekly	http://www.epw.in	01
5	ISID	http://isid.org.in/	
6	Oxford University Press	http://www.oxfordjournals.org	206
7	JSTOR	http://www.jstor.org/	2585
8	Royal Society of Chemistry	http://www.rsc.org/Publishing/Journals/	29
9	Springer Link	http://www.springerlink.com/	1613
10	Taylor & Francis	http://www.informaworld.com/	1079
11	Cambridge University Press	http://journals.cambridge.org/	224
12	JCCC	http://jgateplus	

- f) Special collections (e.g. text books, reference books, standards, patents)
 Libraries have a very good collection of textbooks and reference books. The library system has more than 50,000 reference books in all campuses upto 2014.
- g) Book Banks: Nil
- h) Question Banks: Nil

4.2.4 What tools does the library deploy to provide access to the collection?

- **Web-OPAC:** Once computerisation activity of library system will be completed, the database of the library will be available on web-OPAC.

- **Electronic Resource Management package for e-journals:** The library has been receiving several online resources through INFLIBNET to access peer-reviewed e-journals, e-books, e-database (bibliographical and full text etc) and provided access through portal. The university is planning to subscribe: Science Direct, IEL Online, ACM Digital Library, Bentham Science, EBSCO, SciFinder etc. subject to availability of budget.
- **Federated searching tools to search articles in multiple databases:** University is planning to purchase a good federated searching tool after evaluation of the available tools in the market i.e. EBSCO Discovery source, J-Gate federated search engine, etc. Library has an access to most referred e-database/portals.
- **Library Website:** The Library webpage provides information regarding library sections and other information. A separate library portal accessing information particularly on e-resources will be constructed.
- **In-house/ remote access to e-publications:** Providing in-house access to e-publications is available at all campuses through e-resources labs with internet connectivity and downloading facility. Proposed LAN and Wi-fi connectivity will ensure all available e-resources to be accessed remotely. To remote access of all the resources, university library is planning to purchase remote access software for maximum utilization of resources.

4.2.5 To what extent is ICT deployed in the library? Give details with regard to

- * **Library automation**

Retrospective conversion process, like data entry classification and cataloguing have been initiated in the month of July, 2014. In the first phase, computerisation process of Central library at Birla Campus has been initiated and is underway. A collection of more than one lakh books has been classified, catalogued and made inventory in machine readable form.

- * **Total number of computers for general access:** 25 computers are available for general access

- * **Total numbers of printers for general access:** Two in the Central Library

- * **Internet band width speed** 2mbps

- * **Institutional Repository:** We are maintaining a repository of theses collection. Library has a plan to develop following Institutional Repositories for the users:

Article Repository: published research papers/articles of the faculty members

- Book Repository : published books of the faculty members
- Lecture notes/Audios/videos

- Previous years question papers
- Dissertations submitted by the students
- Project Reports
- * Content management system for e-learning
Full text Theses of 1566 are available in electronic format.
- * Participation in resource sharing networks/consortia (like INFLIBNET)
UGC-INFONET Digital Library Consortium

4.2.6 Provide details (per month) with regard to

- Average number of walk-ins: 200 students per day
 - Average number of books issued/returned: Five books/ Student
 - Ratio of library books to students enrolled: 1:40 books
 - Average number of books added during the last four years: 90,000 documents
 - Average number of login to OPAC: Nil
 - Average number of login to e-resources:
 - Average number of e-resources downloaded/printed:
- * **Number of IT (Information Technology) literacy trainings organized:** One

4.2.7 Give details of specialized services provided by the library with regard to

- * **Manuscripts:** Nil
- * **Reference:** The library has a rich collection of reference tools, and provides the reference services. About 25-30 readers visit this section daily for reference work, dissertations, and reports. Recently, a large number of reference tools/research books have been added to this section
- * **Reprography/ Scanning:** Digital copier/printer is available for scanning, printing and photocopying of library materials. The productions are made for academic and research needs keeping in mind the Copyright Act.
- * **Inter-library Loan Service:** Interlibrary facility is available among the university campuses' libraries. This service will be enhanced and effectively implemented through ICT tools and scholarly resources such as books (reference books), journal articles (e- journals), e-resources etc. are shared with other institutional libraries.
- * **Information Deployment and Notification:** The library information services are made available through emails, Library Brochure, Library website, new arrivals display, e-mail alerts, circulars and notices. The library conducts e-resources awareness programs/user orientation programs/trainings/workshops in consultation with the publishers and

government departments for the benefit of all the stakeholders. A list of new arrivals in the library is communicated to the students and faculty.

- * **OPACS:** Since library's books data entry process is under progress by using Excel software and very soon SOUL software will be installed in the library system. Online Public Access Catalogue System (OPACS) will be in operation very soon, with the help of SOUL Software and Web-OPAC will also be available with the help of library management software.
- * **Internet Access:** The University is well-equipped with high speed internet connectivity, 1 GBPS from National Knowledge Network (NKN).
- * **Downloads:** The library has downloading facility for students and faculty. The instrumental devices for download such as database server, internal/external storage devices like hard disk, CDs/VCDs, scanner, printer and digital camera are available for storing the information available in textual, image, graphic, audio, video/multimedia formats. The e-resources (free and available through INFLIBNET) are available.
- * **Printouts:** The library provides access of printers like Laser and digital copier cum printers for printing purposes. In view of the green library initiatives, the printouts are kept to the minimum.
- * **Reading list/ Bibliography compilation:** The library has maintained both manual and digital records of library collection like theses and text books which offers the details regarding resource material. As per the DDC international standards the same is arranged by author, title and subject indices.
- * **In-house/remote access to e- resources:** Online access to more than 5825+ peer-reviewed e-journals and 02 databases published by reputed international publishers are available on authentic IP address of the University to carry out academic and research work of the stakeholders.
- * **User Orientation:** The library arranges a user Orientation Programme at the beginning of every academic year for the new students. The programme is conducted in two phases:
 - * General information about the library: The topics covered are layout vis- à-vis facilities in the library building, sections opening hours, holdings, rules and regulations, special features and services, use of softwares, e- resources.
 - * Visits to the library: Guided tour to all the sections of the library.
- * **Assistance in searching Databases:** The library staff assists the users in searching the desired information available with various sources by arranging demonstration/ hands-on- approach. It provides orientation on topics like e-resources access.
- * **INFLIBNET/ IUC facilities:** Institute is member of INFLIBNET

since inception of INFLIBNET.

- UGC-INFONET Digital Library Consortium
- Library Management software (SOUL) and also receiving informal consultancy on library automation (ongoing)
- Shodhganga
- Shodhgangotri
- Plagiarism Detection Software (URKUND)

4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

Year	2010-11	2011-12	2012-13	2013-14
Annual Budget (₹)	92,85,000	1,78,00,000	98,40,600	1,13,00,620
Amount spent on Books and Journals (₹)	79,90,582	1,67,37,896	95,06,683	1,08,71,900

4.2.9 What initiatives has the university taken to make the library a ‘happening place’ on campus?

The following initiatives have been taken to make library a ‘happening place’ on the campus:

- Automation of library collection
- Extended opening hours 8Am to 7pm
- *Earn while You Learn* scheme for B. Lib. Sc. students
- Shifting of non library departments/ cells from the central library building, and now entire central library building can be used for library purpose and users’ services
- A separate budget provision for library modernisation, including RFID, Automation, etc.
- Handed over e-resources lab to the library
- New collection development policy
- Advertisement for filling up of some senior positions in the library

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analysed and used for the improvement of the library services?

The strategies used for the improvement of the library services go on the following lines:

- Submission of student feedback form by all the students.
- Suggestion Box
- Maintenance of the claim record of most frequently read books. The feedback collected from these sources is analysed in categories such as service, holdings, interpersonal communication and other such

matters. Then it is placed before the library committee for necessary further action. It is observed that readers at sometimes make useful suggestions for improvement in library services.

4.2.11 List the efforts made towards the infrastructural development of the library in the last four years.

Procurement of furniture like library stacks, reading chairs etc. and Photostat machine, Vision document has been prepared and approved for development of library and has been approved and also separate budget provision Constitution of library committee for Initiated library modernisation programme Handed over entire library building by shifting of non library departments/cells from the central library, and now entire building can be used by rearranging spaces for library purpose and users' services provided to the staff and students for quality teaching, learning and research.

4.3 IT Infrastructure

4.3 IT Infrastructure

4.3.1 Does the university have a comprehensive IT policy with regard to Following is the comprehensive IT Policy:

- **IT Service Management-** Involves a large number of roles, some of which are limited in scope to one specific process, others of which have responsibilities in several different processes. A given staff may be required to be in different roles at different times or several roles at the same time depending on their specific job assignment, specific situation, and the specific processes they are interacting with. There is no IT Service Management system in our University that needs systematic planning and development.
- **Information Security** - No, As the University grows, so does the requirement for global exchange amongst employees, students, common masses and Government Organizations etc. However, as the information becomes more broadly distributed, threats to the confidentiality, integrity and availability of the information increase exponentially. A significant amount of current security breaches involves internal like unauthorized access to information and password management. All these security breaches may result in drastic revenue loss, legal liabilities and diminished productivity.
- **Network Security** – Yes, Anti-virus and Anti-spyware but it is not sufficient. Network security is accomplished through hardware and software. We need multiple layers of security. If one fails, others still stand. Network Security often include Anti-virus and Anti-spyware, Firewall to block unauthorized access to our network, Intrusion Prevention system(IPS) to identify fast spreading threads such as zero day or zero hour attacks and Virtual Private Networks(VPNs) to provide secure remote access.

- **Risk Management** – No, there is no provision of Risk Management, except one can take manual backup of data only when hardware is up-to-date, but there is no latest hardware which may compatible with the latest Operating System. So latest tool cannot be updated online to increase the efficiency of hardware and application software.
- **Software Asset Management** – No.
- **Open Source Resources** – No, Efforts were not made to obtained Open source code, as it require high skill in concerning language and technology.
- **Green Computing** – No, This involves implementation of energy-efficient Central processing Units (CPUs), Servers and peripherals as well as proper disposal of electronic waste (e-waste).

4.3.2 Give details of the university's computing facilities i.e., hardware and software.

- * Number of systems with individual configurations: 1500 approximate,
- * Computer-student ratio: 1 : 4
- * Dedicated computing facilities: NKN facility
- * LAN facility: Individual departments have LAN facility.
- * Proprietary software: Licenced Operating System, application Software's, antiviruses etc.
- * Number of nodes/ computers with internet facility: Maximum number of the Departments of the University have Internet Connectivity.
- * Any other (please specify) : Campus wide network is likely to be operational in the University.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

With the help of NKN University will provide more and more network access to the teaching aids like Video Class Room, Online Lectures, Online Communications, Use of cloud computing, automation of lectures methods.

- * **Establishment of web server, mail server, web portal and E Governance (University Management System – a concept of paper less university)**

To provide internet facility to all departments in university, campus wide connectivity of the University and its three campuses is under process, based on the latest technology (Wi-Fi with backbone of optical fiber etc.). Web Enabled University Management System (UMS) portal, a concept of paper-less University, would definitely improve the work culture, in an efficient, transparent, accountable and responsive manner, in the interest of end users which include:

- In house University Mail Server & messaging System

- University Web Server for in house hosting / maintenance of university web portal
- University Management System (E Governance – a concept of paper less university)
- Establishment of Video Conferencing facility at other university campuses
- Establishment of Digital / Smart Class rooms for out station live lectures

This will provide complete automation of University Examination System from Admission to Degree Certificate. It requires latest computers and system software and Examination application software.

4.3.4 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.

- Students/ staff using NPTEL (National Program on Technology Enhanced Learning)

4.3.5 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

Academic Technology services like Digital/ Smart Class Rooms were deployed by the university. This new feature will meet future requirement like:

- Support and training in Web and Video Conferencing.
- Class room technology consultation and training.
- Administration of online course evaluations.

4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?

- Computers for their academic/ research etc. activities
- Smart Class Room,
- LCD Projectors
- Computers, Laptops to each department for teachers
- Internet Facility upto smart class room
- Free access to many International and National Journals through INFLIBNET.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

Each Department has ICT enabled class rooms equipped with LCD Projector installation. Students are being taught with emerging new

technologies in order to draw on all the resources that are available via web, particularly to address complex and challenging topics, and to prepare them for independent learning.

4.3.8 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?

Internet facility and CD-ROM material help in computer-aided teaching- learning materials. E-journals are also available in the Central Library of the University.

4.3.9 How are the computers and their accessories maintained?

Computers, printers and scanners are kept under Annual Maintenance Contract (AMC) with the Manufacturers or Authorized Dealers.

In some departments maintenance is done through technical staff as well as AMC.

4.3.10 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

Yes provides E-learning through online Web and Video courses in Engineering, Science and humanities streams.

4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes. University avail of Web resources. Policies are yet to be finalized in this regard.

4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university. Recurring grant for the purchase / maintenance etc.

UGC allocates budget for update, deployment and maintenance of computers in its Five- Year plan.

4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

- Will be implemented after receiving funds from UGC.
- With the deployment of National Knowledge Network facility.

4.4 Maintenance of Campus Facilities

4.4.1 Does the university have an estate office/ designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

A post of Estate officer was sanctioned by UGC in the 11th Plan; however it remains vacant, despite initiation of selection process in 2012. The University has a Construction and Maintenance division headed by an Executive Engineer and having two Assistant Engineers and two Junior Engineers along with other supporting technical staff. Regular maintenance of buildings including class rooms and laboratories, as and when required, is done by this division (civil and electric wing).

In addition to the regular maintenance of the infrastructure the university also has undertaken renovation and upgradation of old buildings including hostels, residences, office rooms, laboratories etc. to make these more amenable for use and upkeep. Also, special repair of external electrification work at Chauras Campus and augmentation of water supply schemes at Chauras, Pauri and Tehri campus have undertaken recently.

4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The Construction and Maintenance Division of the university is entrusted with the regular maintenance of the infrastructural facilities like buildings whereas the equipment maintenance is done through annual maintenance contracts with service providers.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, university has a system for student support and mentoring. It is done through the following means:

The University Departments

- All the departments in the university function as independent units where the faculty members in collaboration with the heads work collectively to mentor the students.
- A faculty member (Student Advisor) is designated for each programme under the Choice Based Credit System (CBCS) who guides the students in their choice of electives and discuss the problems both collectively and individually as required within the department.
- As under CBCS the students are rigorously evaluated through assignments, presentations, seminars and internal (sessional) tests, in due course the slow learners are identified, who are taken care of separately with the help of pedagogic strategies.

Student's Welfare Board

- The board is headed by Dean of Students' Welfare (DSW), who is assisted by a Deputy Dean and Assistant Deans. This Office is located in Srinagar Campus of the University; while in the other two campuses, i.e., B.G.R. Campus, Pauri and Badshahithaul Campus, Tehri, Deputy Deans of Students' Welfare discharge the functions of the DSW in consultation with the Directors of their respective campuses.
- Apart from ensuring their general welfare, the office is also responsible for providing the students with need based assistance.
- This board provides a forum for the students for actualizing their potentials and latent talents through various extra-curricular and co-curricular activities. Competitive cultural programmes are organized at inter-school and inter-collegiate levels every year. Thus, the students find an open platform to perform and display an array of talents.
- The students and teams winning the first prize are selected for inter-university level competitions.
- The University supports and mentors students through several modes for promoting their participation in sports and cultural competitions every year at state and national levels.

University Career Counselling and Placement Service

- The service works under the supervision of a placement Director and supported by a committee consisting of selected faculty members and student representatives.
 - It provides counselling at the time of admission process to the prospective candidates on their choice of subjects enabling them to undergo self evaluation and opt for the appropriate course/subject combination commensurate to their aptitude, ability and interest.
 - Counselling is also provided on vocational career choices according to their academic background and aptitude.
 - It helps the students by providing them training opportunities to enhance their skills in getting employment in different companies according to their field of interest and competence.
 - It also co-ordinates with various organizations and companies for summer training, internship programmes and placement from time to time.
- **UGC SC, ST & Minorities Remedial Coaching Cell**
 - The Cell with the mandate to contribute towards social equity and socio-economic mobility of the under-privileged sections of the society conducts: (i) remedial coaching at UG & PG level; (ii) coaching for entry into services; (iii) coaching for NET to Scheduled Castes, Scheduled Tribes and Minority candidates.
 - General candidates with economically poor background may also be allowed for such coaching classes.

University Employment Information and Guidance Bureau (UEIGB)

Registration in UEIGB during the last four years

Year	Men	Women	Total	Live Register		
				Men	Women	Total
2011	96	144	240	374	584	958
2012	55	78	133	381	567	948
2013	36	90	126	359	586	945
2014	171	245	416	420	727	1147

Unemployment Allowance: 40 Unemployed candidates are being given Rojgar-sah Kaushal Vikas allowance under the Rojgar-sah Kaushal Vikas Allowance Scheme of Uttarakhand Government.

Career Counselling: Career Corners have been set up in 53 affiliated PG Colleges of the University.

Sevayojan Margdarshan Nirdeshika (Monthly): Centre publishes this monthly Directory for the welfare of the students.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

- The departments conduct Orientation class at the beginning of session which helps the students to get familiar with the academic calendar, semester scheme, credit allocation and evaluation system.
- The departments give opportunity to the students to actively participate in conducting workshops and seminars, thereby exhibiting their talent, knowledge and organizational skill.
- The UGC SC, ST & Minorities Remedial Coaching Cell conducts remedial coaching for Scheduled Castes, Scheduled Tribes and Minority students at UG & PG level besides coaching them for entry into services and for NET. General candidates with economically poor background also join the coaching classes.
- Educational tours are also organized for students by different departments.
- Field trips and industry visits to give practical exposure to the students are organized.
- Students are exposed to various civil society activities with the aim to sensitize towards society.

5.1.3 Does the university have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

Yes, the University has various schemes to ensure personal enhancement and development of the students.

University Career Counselling and Placement Service

- Organizes capacity building (Personality Development) Programmes for enhancing the language, communication and soft-skills of students.
- Interactions with experts on career prospects in various fields.
- Campus interviews and summer internships.
- Organize placement drives by inviting representatives from various National and International authorities.
- Conduct workshop programmes and group discussions for enhancing employability skills in all the departments.

Women Studies Centre

- Organize guest lectures on regular basis to generate awareness about women issues, especially reproductive health and hygiene, legal issues and adolescent health.

Permanent Cell for Combating Sexual Harassment and Violence against Women

- To instil self confidence in female students the Cell provides training in Judo and Karate for self- defence.

Others

- Counselling support is also provided by the wardens of all the hostels of the university to help students in solving their personal and academic problems by means of one to one interaction.
- Various camps are organized by the Yoga department to ensure the health and overall development of the students and teachers.
- The NSS units also conduct personality development programmes for volunteers and general students.
- The DSW office and departments like Management, Tourism, and Sociology etc. also organize soft skill development programmes.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, the university assist the students for obtaining educational loans from banks by providing the required certificates and documents for the purpose.

5.1.5 Does the university publish its updated prospectus and handbook annually? If yes, what are the main issues/ activities/ information included/ provided to students through these documents? Is there a provision for online access?

Yes, the University publishes its updated Prospectus annually which is provided to all the students with the admission form. It also publishes Annual Report for submission to the Ministry of Human Resource. The prospectus is uploaded in the website of the University for Online Access

Prospectus: Includes information on:

- Profile of the institution.
- Academic calendar of the University.
- Courses offered both regular and add-on, eligibility criteria for admission, seats availability, course structure, subject combinations and fee structure.
- General rules and regulations of admission and discipline as laid down by the University.
- Hostels, Library and various Cells like Placement and Counselling Cell, Women's Studies Centre, Women Cell etc.
- Students Welfare Board, Proctor Board including information about the anti-ragging norms.

5.1.6 Specify the type and number of university scholarships/ freeships given to the students during the last four years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/ PG /M. Phil/ Ph.D./ Diploma/ others (please specify).

The details of scholarships provided to the students are as follows:

• **Adityaram Barthwal Postgraduate Scholarship**

Year	Student's name	Class	Campus/College	Amount (₹)
2013-14	Shikha Uniyal	B.Sc. III	SGRR PG College, Dehradun	3000/-
2012-13	No application	-	-	-
2011-12	Jyoti Rawat	M.A.	Birla Campus, Srinagar	3000/-

• **Late Sri Shyamacharan Kala and Srimati Kamla Kala Postgraduate Scholarship**

Year	Students' name	Campus/College	Amount (₹)
2013-14	No Application	-	-
2012-13	No Application	-	-
2011-12	No Application	-	-
2010-11	No Application	-	-

• **Shail Suman Scholarship**

Year	Student's name	Class	Campus/College	Amount (₹)
2013-14	None found eligible	-	-	-
2012-13	None found eligible	-	-	-
2011-12	None found eligible	-	-	-
2010-11	Dharmendra Singh Hayat Singh	B.Sc. B.Sc.	Birla Campus Birla Campus	500/- 500/-

• **Sri. Devraghavrag Scholarship**

Year	Students' name	Class	Campus/College	Amount (₹)
2013-14	Richa Sharma	M.Sc.	SGRRPG College, Dehradun	3000/-
2012-13	No Application	-	-	-
2011-12	Sudhir Singh Amit Singh	M.Sc. M.Sc.	Birla Campus, Srinagar Birla Campus, Srinagar	3000/- 3000/-
2010-11	Bhavna Joshi Tulika Sahni	M.Sc. M.S.c.	DBS College, Dehradun DBS College, Dehradun	3000/- 3000/-

• **Srimati Shaligram Bhatt Scholarship**

Year	Students' name	Class	Campus/College	Amount (₹)
2013-14	Km. Sakshi	B.A.	Govt. PG College, Agastyamuni	3000/-
2012-13	No Application	-	-	-
2011-12	Nirmala Kusum Raturi	B.A. B.A.	PG College, New Tehri	3000/- 3000/-
2010-11	Renu Bhandari Jyoti Rawat	B.A. B.A.	Birla Campus, Srinagar Birla Campus, Srinagar	3000/- 3000/-

- **Swami Ram Research/Postgraduate Scholarship**

Since there were no applications for this scholarship during the years 2010-11, 2011-12, 2012-13 and 2013-14, it could not be given to anyone.

- **Scholarship for obtaining highest marks in B.Ed. Entrance Examination**

During the years 2010-11, 2011-12 and 2012-13, none of the students was given this scholarship.

Year	Student's name	Campus/College	Amount (₹)
2013-2014	Vikram Singh	Birla Campus, Srinagar	2000/-
	Vinod Kumar	Govt. PG College, Gopeshwar	2000/-
	Sumit Kumar	Govt. PG College, Kotdwar	2000/-
	Deepak Singh Rana	Badshahithaul Campus, Tehri	2000/-

- **Bursary Scholarship**

Year	Student's name	Class	Campus/College	Amount (₹)
2013-14	Km. Vineeta	M.Sc.	PG College, Gopeshwar	3000/-
2012-13	No Application
2011-12	No Application
2010-11	Sanjay Dutt	B. Sc.	PG College, New Tehri	3000/-
	Chamoli Km. Dipika	B.A.	PG College, Devprayag	3000/-

Birla Campus, Srinagar

Year	SC		ST		OBC	
	No. of Students	Amount (₹)	No. of Students	Amount (₹)	No. of Students	Amount (₹)
2013-14	380	2488650	33	493120	50	660195
2012-13	330	2315150	40	515960	47	715280
2011-12	320	2559800	38	716150	82	1434065

BGR Campus, Pauri

Year		SC		ST		OBC	
		No. of Students	Amount (₹)	No. of Students	Amount (₹)	No. of Students	Amount (₹)
2013-2014	UG	99	5,45,550	-	-	02	7,680
	PG	10	73,900	-	-	-	-
2012-2013	UG	36	3,55,630	02	70,380	07	2,10,370
	PG	14	1,38,860	01	8,450	01	29,140
2011-2012	UG	97	6,95,730	01	37,500	37	10,05,690
	PG	19	2,22,690	01	9,570	01	29,140
2010-2011	UG	94	5,84,740	06	2,05,800	04	10,500
	PG	14	1,34,153	-	-	01	3635

SRT Campus, Tehri

Category	UG		PG	
	No. of Students	Amount (₹)	No. of Students	Amount (₹)
2010-11				
SC	37	98,830	10	31,440
ST	08	27,675	12	51,605
OBC	30	79,750	09	24,990
GEN (PH)	01	1975	01	2,600
2011-12				
SC	36	1,31,420	15	1,58,380
ST	05	16,350	08	1,16,820
OBC	21	55,895	14	62,630
GEN (PH)	01	3,300	-	-
2012-13				
SC	32	1,10,640	15	99,600
ST	-	-	-	-
OBC	-	-	-	-
GEN (PH)	01	3,300	-	-
2013-14				
SC	52	2,24,250	03	13,940
ST	02	9,780	-	-
OBC	45	1,34,835	03	10,775
GEN (PH)	02	2,500	01	1,700
Total				

5.1.7 What percentage of students receives financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?

INSPIRE Scholarship for Higher Education (SHE)

Year	Total Scholarship awarded throughout the country by Department of Science and Technology Government of India (DST)	Number of Scholarship awarded to Uttarakhand	Percentage of Scholarship awarded to Uttarakhand
2010	1599	44	2.75
2011	3965	559	14.00
2012	13048	910	6.9
2013	15000	1270	8.4

SRT Campus, Scholarship for Higher Education (SHE) = 54 (2013-14)

Rajeev Gandhi Scholarship (2013-14) = 03 [Amount: 694523.00]

5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?

There is no specific cell for international students, however students, teachers, researchers, including Fulbright scholars, from other countries frequently visit different departments of the University for the academic purpose.

5.1.9 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, the university assist the students for obtaining educational loans from banks by providing the required certificates and documents for the purpose.

5.1.10 What types of support services are available for;

*** Overseas Students**

- Hostel and other required facilities are extended.
- Students and teachers fully cooperate to enable them to adjust, especially with regard to language and culture.

*** Physically challenged / differently-abled students**

- Facility of lift, ramps and wheelchairs to ensure easy access to class rooms is available in the newly constructed buildings.
- Provision of a scribe during the examination for physically challenged students, who are unable to write.
- Personalized attention and support is provided in the form of counselling from time to time.

*** SC/ST, OBC and economically weaker sections**

- Providing scholarships to such students as per the schemes of the central government and state government, whichever is applicable.
- Remedial classes for UG and PG students.
- Free of charge special coaching classes within the campus for civil service examinations and NET.
- Extension of need-based fee concessions

*** Students participating in various competitions/conferences in India and abroad**

- Students are encouraged to participate by providing financial assistance.
- Expert guidance from faculty members in writing research papers and abstracts.
- Easy accessibility to the central library of the university and its IT resources to help them prepare for the competitive exams and

- conferences.
- Provision of leave of absence to students to visit libraries and attend seminars and conferences.
- * **Health centre, health insurance etc.**
- The University has setup a health centre in the Student Activity Building at Srinagar Campus. There are vacancies for the post of three doctors and a pharmacist which have been advertised and will soon be filled up.
 - Ambulance service is also available.
 - The university also has a well equipped multipurpose Indoor Complex which remains open from early morning till 9.00 P.M.
 - A Gymnasium with advance fitness equipments is operational at Chauras Campus.
 - Yoga camps are also conducted by Yoga department regularly to promote awareness for good health.
- * **Skill development (spoken English, computer literacy, etc.)**
- The Placement Cell conducts English communication enhancing programmes for the students
 - The Computer Literacy Program (CLP) Lab located in the Students Activity Building, Srinagar Campus is used by the B.Com. and B.Sc. Computer Science students to train in Computerized Accounting and practical training, respectively.
 - Students are encouraged to participate in NSS, NCC, sports, cultural and other extra-curricular activities.
 - Students have to make presentation mandatorily for evaluation of their project works in some of the UG courses besides PG, M. Phil, Pre-PhD and PhD.
- * **Performance enhancement for slow learners**
- Tutorial classes.
 - Close monitoring of the progress of such students by the faculty members and regular suggestions for improvement at the departmental level.
- * **Exposure of students to other institutions of higher learning/ corporate/ business houses, etc.**
- Students participate in seminars, workshops etc. organized by other institutions.
 - Students undergo training with companies, institutes and organizations as part of their curriculum and/ or for project work especially in courses like MBA, Hotel Management, Tourism, Biotechnology, Microbiology, Pharmaceutical Sciences and

Pharmaceutical Chemistry.

- Regular conduct of study tours.
- Experience sharing sessions with experts from all disciplines.
- Dissemination of information regarding entrance and competitive exams conducted by reputed universities and other centres of higher learning on notice boards and through special circulars to the Deans of all the Schools for circulating in the departments under them.
- Placement cell also provides information about other universities and organisations.
- The University Employment Information and Guidance Bureau (UEI & GB) also disseminates such information to the concerned departments.

* **Publication of student magazines**

- The University regularly provides platform for the students to share their written creative skills through the publication of its annual magazines Nirjharini, Himbharti and Himlokini respectively from Srinagar, Pauri and Tehri Campus.
- Apart from this, students also contribute their write ups in newsletters published by some departments like in Management and Tourism.

5.1.11 Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defence Services, NET/ SET and any other competitive examinations? If yes, what is the outcome?

Guidance is provided to the students appearing for competitive examinations at departmental level by the subject teachers. Reference books and related study materials are provided to the students by subject teacher. In addition to departmental guidance and help, the students are assisted by DSW board, Women Cell and Placement Cell of the University. UGC sponsored Remedial Coaching Classes are held for SC/ST/OBC and weaker section of the society for providing guidance and assistance to the students appearing in competitive examinations.

In the last four years, 179 students have qualified NET/SET, 30 students have qualified SLET, 83 students have qualified GATE/GPAT and 97 students have been selected for Central/State Civil Services.

5.1.12 Mention the policies of the University for enhancing student participation in sports and extracurricular activities through strategies/ schemes such as

*** Additional academic support and academic flexibility in examinations**

- There is provision of leave of absence for the students participating in sports and extracurricular activities. Relaxation in attendance is also provided to the students who are participating in sports.
- There is a provision of weightage for the students in admission for participation in co-curricular activities in accordance with the details as specified below
 - NSS B Certificate or 240 hours + two special camps – 1%; NSS C certificate- 2% Participation in National Integration Camp/ Republic Day Parade- 3% (maximum 3% in all)
 - NCC B Certificate – 1%; NCC C Certificate – 2%; Participation in Republic Day Parade (national) – 3%; NCC Cadet of the State/National Awardee – 3% (maximum 3% in all);
 - Students selected under Youth Festival organized by AIU- Zonal= 2%, National= 3% (maximum 3% in all);
 - Participation in sports events organized by AIU- Zonal= 3%, National= 5% (maximum 5% in all);
 - Position secured in national competitions organized by AIU or the Ministry of Parliamentary Affairs – Individual= First– 4%, second– 3% and third– 2%, and, team = first – 3%, second – 2% and third – 1% (maximum 4% in all)

*** Special dietary requirements, sports uniform and materials**

- Students who participate in sports are provided nutritious diet during inter-collegiate, inter-university, state and national level competition (@ ₹ 400/- per day for camp & team participation)
- The university also provides Kit and Tracksuit for games @ ₹ 1500/- per sportsman.
- During the practice time, special attention is given to the students as far as their diet is concerned.
- The students participating in cultural events, at university, inter-university, state and national levels, are also provided dresses and other necessary items as required.
- Regular practice sessions are arranged for students beyond class time. Transportation facility is also provided to these students. Travel Allowance for players is provided as per rail/bus actual ticket; also per railway concession is available to them.

5.1.13 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview, and develop entrepreneurship skills?

Yes, the university has an institutionalised mechanism for student's placement.

- The university has its own mechanism for the placement of the students. At the time of admission, students are required to register themselves with the University Career Counselling and Placement Service for which they are provided application forms.
- The Service also provides guidance and career counselling to the students along with the information regarding various employment opportunities in a well planned way.
- It also organises workshop on personality development and conduct sessions with concerned experts in order to make the students confident and worthy for placement.
- Workshops and symposiums are organised by various departments of the university to promote entrepreneurial skills in students.

5.1.14 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

A number of placement events (both Campus and off-campus placements) have been organized from time to time. The details in are given below:

S. No.	List of employers and Date of Interview	No. of Students selected
Centre for Mountain Tourism and Hospitality		
1	Aloft Bengaluru Cessana, Bengaluru, 01 st & 25 th June 2015	05
2	Express Sarovar Portico, Surajkund , 10 th June 2015	04
3	Regenta Central (Royal Orchid), 10 th June 2015	03
4	Sarovar Lucknow, 15 th June 2015	02
5	Ananda in the Himalaya, 01 st June 2015	01
6	Royal Orchid Mussoorie, 10 th June 2015	01
7	Ramada Mumbai, 25 th Jan 2015	04
8	Pride Amber Villas Jaipur, 15 Nov 2014	02
9	Royal orchid Mussoorie, 01 st April 2015	02
10	Royal orchid Jaipur, 02 nd Feb 2015 2015	03
11	Ananda in the Himalaya, 01 st June 2015	01
12	Park inn Mangalore, 15 th Jan 2015	02
13	Ramada Mumbai, 25 th Jan 2015	04
14	Sarovar Portico, Ludhiyana, 15 th Feb 2014	05
15	Royal Orchid Mumbai, 05 th Feb 2014	06
16	Sarovar Portico, Ludhiyana, 19 th Nov 2012	01
17	Royal Orchid Mumbai, 26 th Nov 2012	08
18	Radisson Blue Indore, 25 th June 2013	02
19	Ananda in the Himalaya, 19 th Nov 2012	03
20	Aavaa Surya Continental, New Delhi, Feb 2013	02

21	Four Points by Sheraton Ahmadabad, 25 th June 2013	01
22	Jaypee Residency Mussoorie, 07 th June 2013	01
23	Ginger Hotel Bengaluru, 25 th Nov 2012	03
24	Vivanta by Taj Chennai, 15 th June 2013	01
25	Sarovar Portico, Goa, 01 Feb 2012	13
26	Radisson Shimla, 25 th May 2013	02
27	Taj Gateway Mangalore, 01 Feb 2012	02
28	Hometel Roorkee, 02 nd May 2011	06
29	India Habitat Center, New Delhi, May 2011	03
30	Club Mahindra Binsar, 02 nd May 2011	08
31	Hotel Peppermint Gurgaon,	03
32	Sarovar Portico Delhi, May 2010	02
33	Hotel Peppermint Gurgaon, 15 Feb 2010	16
34	Sky Gourmet Flight Kitchen, New Delhi,	02
35	Hotel Jaypee Palace, Agra	01
36	Manesar Resort, New Delhi	03
37	Park Inn Gurgaon, 18 th Nov 2009	03
38	The Oak Tree Gurgaon	01
39	Sarovar Portico Haridwar, 24 th May 2010	03
40	Best Holiday Planner	06
41	Kouni Destination Management	01
42	Jetfleet Private Limited (20.08.2013- Joining date)	01
43	Kouni Destination Management 24.01.2012)	02
44	Akbar Holidays Pvt. Ltd.	01
45	Century Metals Pvt. Ltd (06-05-2010)	2
46	SJVN Limited (28/07/2010)	2
47	Wipro BPO (29/11/2010)	0
48	Kuoni Destination Management Ltd. (24-01-2011)	1
49	NR Switch N Radio Services Pvt. Ltd.(20-04-2011)	11
50	Kuoni Destination Management Ltd. (24-01-2012)	2
51	Kuoni Destination Management Ltd.(23/01/2013)	1
52	AMCAT (29/01/2013 to 31/01/2013)	4
53	Azim - Premji Foundation (22/05/2013 to 23/05/2013)	3
54	Azim - Premji Foundation (28-04-2014)	5
55	Sainath Investment, Summer Training, MBA Finance On Line Interview (26-04-2014)	6
56	Sainath Investment, MBA Final Year Placement (26-04-2014)	4
57	Sainath Investment, Summer Training, MBA Marketing On Line Interview (30-04-2014)	--
University Career Counselling and Placement Service		
1	Century Metals Pvt. Ltd, 06-05-2010	2
2	SJVN Limited, 28/07/2010	2
3	Wipro BPO (29/11/2010)	0
4	Kuoni Destination Management Ltd. (24-01-2011)	1
5	NR Switch N Radio Services Pvt. Ltd.(20-04-2011)	11
6	Kuoni Destination Management Ltd.(24-01-2012)	2
7	Kuoni Destination Management Ltd. (23/01/2013)	1

8	AMCAT, 29-31 Jan 2013	4
9	Azim - Premji Foundation, 22-23 Mar 2013	3
10	Azim - Premji Foundation, 28 Apr 2014	5
11	Sainath Investment, Summer Training, MBA Finance On Line Interview, 26-04-2014	6
12	Sainath Investment, MBA Final Year Placement, 26-04-2014	4
13	Sainath Investment, Summer Training, MBA Marketing, On Line Interview, 30-04-2014	--
Department of Business Management		
1	Area Manager, Lupin Pharmaceuticals, July 2010	1
2	Sr. Sales Executive, Bhavmark Systems Pvt. Ltd. June 2011	1
3	Research Analyst, GFK, July 2011	1
4	Sales Executive, Lupin Pharmaceuticals` July 2011	1
5	Senior Financial Analyst, Aptara Corp. July 2011	1
6	Accountant, Veekay Polycoats Aug 2011	1
7	Sales Executive, Palsons Derma Aug 2011	1
8	Business Associate, ICRA Limited, June 2012	1
9	Senior Sales Executive, Bharti Airtel Cellular Services Limited July 2012	1
10	Assistant Sales Manager, Windlass Constructions July 2012	1
11	Sales Executive, Idea Cellular August 2012	1
12	Territory Manager, RAK Ceramics Ltd. August 2012	1
13	HR Executive, Heinz India Pvt. Ltd. June 2013	1
14	HR Executive, HCL Technologies July 2013	1
15	Project Coordinator, Top Rock Interiors July 2013	1
16	Territory Manager, Alembic Pharmaceuticals August 2013	1
17	HR Executive, Shri Ram City Union Finance Limited August 2013	1
18	IT/HR Recruiter, US Tech Solutions August 2013	1
19	Fashion Associate, Future Retail June 2014	1
20	Executive –Client Acquisition, India Mart June 2014	1
21	Marketing Associate Zapify Mobile applications July 2014	1
22	HR Executive, MoMagic Technologies, Aug 2014	1
23	Business Development officer, Nature Connect Outdoors Aug 2014	1
24	HR Executive, Alliance Web Solutions Pvt. Ltd. September 2014	1

5.1.15 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

- The university has organised a committee to setup its alumni association on 26.02.2015
- The executive committee has been constituted to look after the formation of the functioning of the alumni association.

- The first meeting of the executive committee was held on April 9, 2015 to discuss and approve the By Laws of the Association
- The registration of the alumni with the Office of the Registrar, Societies at Pauri is under process.
- The work on developing the web pages of Alumni association is in progress so that it may be hosted through the University Website.
- Work has already been started by the members to contact the distinguished alumni of the University. At present more than 100 alumni have been contacted through emails, social media and on telephone.

5.1.16 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes, the University has constituted a Student's Grievance Redressal Cell vide Letter No. VC/2015/9974 dated 30 January 2015 with Dr. M.S. Panwar as Nodal officer.

Students' Union Elections Grievance Cell

The Chief Election Officer appointed by the Vice Chancellor constitutes a Grievances Redressal Cell with Dean Student's Welfare as its Chairman. During last four years, eight petitions received by the Grievances Redressal Cell were thoroughly investigated and in light of recommendations of Lyngdoh Committee were dismissed subsequently.

Proctor

The Office of the Proctor address to the discipline related complaints in the University.

Women Cell

2010-11: 04 complaints were received (BSM PG College Roorkee, KLDVA PG College Roorkee, SRT Campus HNB Garhwal University, MKP PG College) and all were subsequently resolved by the Committee members.

2011-12: 01 complaint was received from HNB Garhwal University, Birla Campus and was subsequently resolved by the committee members.

2012-13: 01 complaint was received from HNB Garhwal University, Birla Campus and was subsequently resolved by the committee members.

2013-14: 01 complaint was referred by Women Commission and UGC New Delhi, and was subsequently resolved by the committee members.

5.1.17 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing cell and mechanism to deal with issues related to sexual harassment? Give details.

Yes, the university promotes gender sensitive environment by organising various programmes for gender sensitization and awareness among students through its Permanent Cell for Combating Sexual Harassment & Violence against Women and Women Studies Centre.

- When there is any case of sexual harassment the cell constitutes a committee to investigate and examine the case and report to the competent authority to take action accordingly.
- In the last four years the cell has received 8 complaints of harassment which have been resolved.
- Under the Cell an Internal Complaints Committee has also been recently constituted as per the provision of the Section 4 of the Sexual Harassment of Women at the Workplace.
- The Women Studies Centre is in the third phase and is going to start PG Diploma course for the university students.
- It also organises guest lectures, workshops and round table discussions to create and promote awareness regarding women's issues.

5.1.18 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, the University has an Anti-Ragging Committee as per the directives of the Honourable Supreme Court and the guidelines of the UGC to check the menace of ragging to ensure a cordial environment in the campus. Also Anti-Ragging Squads have been constituted for all the Campuses.

Cases related to ragging is insignificant in the campus, therefore, during the last four years a very few cases have been reported and appropriate action has been taken in all of these.

Boards displaying the UGC Regulations on Curbing the menace of Ragging in the University have been displayed in all the Campuses.

5.1.19 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

The University elicits the cooperation of all its stakeholders to ensure over all development of the students in the following way:

- All the teachers are entrusted with the responsibility of mentoring their students.
- Teachers are actively involved in the development of syllabi designing and reforming pedagogy, teaching and research,

teaching-learning process etc. as members of BOS and the Departmental Committee.

- Elected student representatives are actively involved in decision making process, planning and execution of various curricular and co-curricular activities.
- Subject experts are invited for planning and implementation of various policies promoting better learning experience of the students.
- From time to time, representatives of civil society including the parents also interact with the faculty, authorities including the Vice-Chancellor.

5.1.20 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

- The University organizes separate sports and cultural events for women during the annual meets (Inter school/ Inter-Collegiate)
- Information regarding the intra- and inter-university competitions is disseminated by the office of DSW to all the schools and affiliated colleges well in advance so as to ensure their participation.
- The teams of faculty members (school-wise) are constituted to prepare the students for various events.
- In case of inter-university competitions, female teachers as team manager are appointed to assist and escort the women students to ensure their safety.

5.2 Student Progression

5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last four years.

Sr. No.	Student Progression	%
1.	UG to PG*	60%
2.	PG to M.Phil.*	30%
3.	PG to Ph.D.	30%
4.	Ph.D. to Post-Doctoral	-
5.	Employed	-
6.	Campus selection	2%
7.	Other than campus recruitment	-

5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

The completion rate for most of the programmes is 90 to 100% of the

stipulated time span.

5.2.3 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE/CAT/GRE/TOFEL /GMAT/Central/State services, Defense, Civil Services, etc.?

Details of students qualified/selected in the various competitive examinations as mentioned above are as follows:

Examination	Number of students qualified/selected
UGC-NET	179
SLET	30
Defense	09
GATE	83
Central /State Services/ Civil services	97

5.2.4 Provide category-wise details regarding the number of Ph.D./ D.Litt./D.Sc. theses submitted/ accepted/ resubmitted/ rejected in the last four years.

	Submitted	Accepted	Resubmitted	Rejected
Ph.D.	1037	954	18	Nil
D.Litt.	02	02	-	-
D.Sc.	01	-	-	-

5.3 Student Participation and Activities

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.

The University gives due importance to sports, cultural and other extracurricular and co-curricular activities in grooming the students in a holistic way. The University has its proper programme and calendar for all these activities organized as per schedule every year under the Chairmanship of the Dean, Students' Welfare with assistance and cooperation of the entire DSW Board, Proctor Board and other faculty members.

*** Sports**

- Under the Chairmanship of DSW the University Sports Board shoulders the responsibility of promoting and organizing sports and games for the students. It organizes special camps for North Zone and All India games. Over the years, the university has created adequate sporting facilities to conduct competitions at the university as well as inter-university level.
- The University Stadium built in 10 thousand square meters at

Chauras campus has outdoor facilities like Track & Field, Football, Hockey, Cricket, Volleyball and Handball.

- In 2012-13 a multi-purpose indoor complex with wrestling hall, judo hall, boxing hall, sports training lab have been constructed at Chauras campus.
- To promote adventure sports a rock climbing wall has also been constructed at Chauras campus.
- River rafting and other adventure sports are organized for the students.
- Indoor badminton courts, boxing ring, table tennis court, and Judo hall are some of the facilities available to students.
- Sporting kit and materials are provided to students for practice.
- Incentives and Awards: The winners at all the levels are duly acknowledged by issuing certificate of appreciation and cash award during the Annual Cultural Meet of the University. The university provides Blazer to medal winners in Inter University competitions and cash award (I Place Winner - Rs. 20000/-; II Place Winner - Rs. 15000/-; III Place Winner - Rs. 10000/-).
- Sports Calendar: The University strictly follow the AIU calendar for sporting events and usually all activities take place during September and January each year.

Yearwise Participation of the Teams

Year	Tournament	Men/ Women	Number of Games	Remark
2011-12	North Zone & All India	M/W	20	
2012-13	North Zone & All India	M/W	21	
	Uttarakhand University Games	M/W	10	Declared as General Champion
2013-14	NZ & All India	M/W	21	
2014-15	NZ & All India	M/W	22	

Medal Winners of All India Inter-university Tournaments

Year	Tournament	Men/ Women	Zone	Name	Position
2011-12	Best Physique	M	All India	Nitish Kalra	Bronze Medal
	Athletics (Javelin)	M	All India	Jitendra Kumar Yadav	Silver Medal
	Athletics (Hammer)	M	All India	Sachin Kumar	Bronze Medal
	Judo	W	All India	Shalu	Silver Medal

	Judo	W	All India	Konika Negi	Bronze Medal
	Boxing	W	All India	Nandani Tiwari	Bronze Medal
	Boxing	W	All India	Pooja Yadav	Silver Medal
2012-13	Boxing	W	All India	Pooja Yadav	Gold Medal
	Boxing	W	All India	Nandani Tiwari	Bronze Medal
	Athletics (Javelin)	M	All India	Jitendra Kumar	Bronze Medal
	Judo	M	All India	Sohan Singh	Bronze Medal
2013-14	Boxing	M	All India	Kavindra Singh Bisht	Gold Medal
	Boxing	W	All India	Pooja Yadav	Silver Medal
	Boxing	W	All India	Nandini Tiwari	Silver Medal
	Judo	M	All India	Shubham Kumar	Bronze Medal
2014-15	Judo	W	All India	Savita Gurung	Silver Medal

* **Cultural and extracurricular activities**

- The Dean Students' Welfare constitutes a Cultural Council assisted by campus committees to organize and conduct a variety of cultural and literary activities around the year.
- Separate committees are constituted by the DSW to organize inter-collegiate/ inter-university and national level cultural and literary activities, competitions and functions.
- The DSW also assigns responsibilities to different faculty members, both male and female, to act as team managers within the campus and also when the students have to participate outside the University.
- About 18 events are conducted for men and women together. These competitions include events like theatre, dance (classical as well as folk), classical and western vocal music, mime, poetry recitation, debate, speech, cartoon and poster painting etc.

* **NCC- Birla Campus**

Activities during the year 2010-11

- A team of II NCC cadets from Birla campus Srinagar participated in all India National Integration Camp (NIC) held at Rajkot (Gujarat) and Meerut from 3-14 January and 17-28 January

respectively representing Uttarakhand state and won the overall championship in cultural activities and line area competition.

- Four NCC cadets were selected and participated in Republic Day Camp 2011 in New Delhi.
- Four Girl Cadets attended Thal Sena Camp held at Anarwala, Dehradun from 30 September 2010 to 9 October 2010.
- Seven Boy Cadets and four Girl Cadet attended Thal Sena Camp held at Anarwala, Dehradun from 13-22 October 2010.
- A Blood donation camp was organised at Birla Campus on the occasion of NCC Day on 07 November. 30 Units of blood was donated by the cadets from Birla campus.
- A River Rafting expedition was organised by the University for 32 NCC Cadets, from Srinagar Garhwal to Kaudiyala. Cadets successfully completed the expedition covering a distance of 75 km. on the river Alaknanda and Ganga.
- Cadets attended various Annual Training Camps (ATC) held at different places in and outside Uttarakhand during the year.

Activities during the year 2011-12

- 10 Cadets participated in Republic Day Camp 2012 at New Delhi. Three of them were the part of marching past contingent on the Rajpath. Six participated in Prime Minister Rally and one took part in the Guard of Honour to the President.
- Sixteen Cadets participated in the NIC held at Patiala (Punjab) and achieved overall championship in cultural activities.
- Two cadets namely Senior Under Officer Mohit Singh Negi and Under Officer Nikita Dhanai achieved Director General Commendation Card for the year 2012. It was a proud movement for the NCC unit at Birla Campus as it is one of the highest award given to the NCC cadets for being chosen best among the bests.
- A blood donation camp was organised at Birla campus with the help of Indian Medical Association (IMA) on the occasion of NCC Day on last Sunday of November. 40 unit of blood was donated by NCC cadets from Birla campus.
- Cadets attended various ATCs held at different places in and outside the Uttarakhand during the year.
- Many cadets have been recruited in armed forces, paramilitary forces and in nation department of state as well as central government.

Activities during the year 2012-13

- Four cadets participated in Republic Day Camp 2013, New Delhi. All of them took part in Prime Minister Rally.
- Ten cadets participated in NIC held at Ropar (Punjab).
- Eight cadets participated in NIC held at Haridwar (Uttarakhand).

- Blood donation camp was organised at Birla Campus on the occasion of NCC Day.
- Attended various ATCs held at different places in and outside Uttarakhand.

Activities during the year 2013-14

- Three NCC cadets participated in Republic Day Camp 2014, New Delhi. Senior Under Officer Janmeyay Bisht was on the Rajpath as part of the NCC marching past contingent.
- Cadets Sheersh Kothiyal had been selected for Youth Exchange Programme which is an achievement in itself.
- Three woman cadets participated in Thal Sena Camp, New Delhi.
- Cadet Sumit Singh successfully completed the Basic (Mountaineering) Course at Manali, Himachal Pradesh in the month of October 2013.
- Sixteen SD & SW cadets took part in NIC held at Patiala (Punjab) and got overall championship among the 17 NCC directorates.
- Three woman cadets participated in National NCC Games held at New Delhi.
- Dental Hygiene Camp and Blood Donation Camp was organised on the occasion of NCC Day at Birla Campus.
- In the month of June 2013 a Relief Camp was organized in the flood affected areas of Srinagar town to provide food and water to the affected people.

NCC- SRT Campus, Tehri

- “C” Certificate exam 2010 at Roorkee; 18 cadets
- 30/11/10 to 09/12/2010; CATC-7 Dehradun, 04 cadets
- 24/12/10 to 04/01/2011; NIC-II Kolam kerla; 05 cadets
- “C” certi. examination 2011; 14 cadets
- 06/02/11 to 15/02/2011; CATC-10 Bhagwanpur, 02 cadets
- 21/09/11 to 07/11/11; CATC-4 Lansdowne; 10 cadets
- 29/10/11 to 07/11/11; CATC-6 Beerpur D. Dun; 08 cadets
- 14/11/11 to 23/11/11; IGC Roorkee; 03 cadets
- 24/11/11 to 03/12/11; Pre RDC-I Beerpur D. Dun; 07 cadets
- 27/06/12 to 06/07/12; 3 CTR Roorkee; 18 cadets
- 28/07/12 to 06/08/12; ATC/TSC D.Dun; 05 cadets
- 07/09/12 to 16/09/12; TSC Ranibag Nanital; 01 cadets
- 11/10/12 to 20/10/12; Pre-IGC Roorkee; 05 cadets
- 16/11/12 to 10/11/12; IGC Roorkee, Rampur; 10 cadets
- 23/11/12 to 02/12/12; Pre RDC-I D.Dun; 15 cadets
- 03/01/13 to 13/01/13; CATC Srinagar Garhwal; 04 cadets
- “B” certi. exam 2013; Haridwar; 32 cadets
- “C” certi. exam. 2013; Roorkee; 13 cadets

- 07/09/13 to 16/09/13; CATC-4 Roorkee; 05 cadets
- 07/10/13 to 16/10/13; CATC-6 Roorkee; 05 cadets
- “C” certi. exam 2014; Roorkee; 15 cadets
- 21/09/14 to 30/09/14; CATC Chamba; 09 cadets
- 08/10/14 to 19/10/14; NIC Manampadal; 04 cadets
- “B” certi exam 2015; Haridwar; 06 cadets

* **National Service Scheme (NSS)**

In 2011-12, the NSS cell of HNB Garhwal University conducted four workshops for Nodal Officers of Red Ribbon Club. Through the Club, the NSS units of the University collected 4600 units of blood on voluntary basis. In the area of Environmental protection, 7600 saplings of different varieties were planted by the NSS units.

For the first time, Election Commission of India deployed NSS Volunteers of the University for election drive in the state assembly election. The HNB Garhwal University NSS cell in collaboration with ‘Voice 4 Girls’ a Hyderabad based NGO organised 7 camps at Srinagar, Rudraprayag, Dehradun for women empowerment, girls education programme and communication skill development for rural students. 20 NSS Volunteers were selected as Counsellor for these camps.

Activities during 2011-2012

- 90 volunteer participated in Shri Dev Suman Jayanti (Plantation Day), 25 July 2011
- Cultural and other Social activities were held on Independent Day, 15 August 2011. 150 volunteers participated in the celebrations.
- Blood Donation Day and Blood donation Camp 1 was organized in October 2011 at District Hospital Pauri, 170 volunteers participated.
- 100 volunteer celebrated Mahatama Gandhi Jayanti on 02 October 2011
- State Foundation Day was celebrated on 9 November 2011 by 250 volunteers at Hall, Arts Block, Pauri.
- World AIDS Day (Awareness Rally) was held on 1st December 2011 by 120 volunteer in the Pauri City
- Sparsh Ganga Divas was celebrated 17 December 2011 by 160 volunteers at Ramlila Ground and Nagar Palika Pauri
- Blood Donation camp 2012 was organized on 21 Feb, 110 volunteers participated in the camp
- Five one day camps organized. During these camps NSS volunteer conduct different activities like: Shramadan, rally at campus to main bazaar to aware the people about "save water save life", save the nature by planting more and more trees their surroundings, cleaning the University SRT campus etc.

- Celebrated 24th September as a NSS foundation day. On this day the programme officers and other invited speakers made aware to volunteers about the objectives of NSS and what & how they can serve the society. SRT campus
- On the occasion of state foundation day (Sept. 09) the speech competition on the topic “Uttarakhand state Yatharth evam Chunoutiyan” was organized. SRT campus
- On Dec. 01, 2011 a one day workshop organized by NSS units at the seminar hall of the campus on the occasion of “World AIDS day. SRT campus
- A special camp of seven days was organized from Dec. 16 to Dec. 22, 2011. During the camp many rallies like: Sparsh Ganga rally (Dec. 17); Sadhabana rally, AIDS awareness rally organized. A blood donation camp was organized on Dec. 19, 2011. The total number of blood donors was 22. The 22 Units blood donated to Government District Hospital Dehradun. NSS volunteers enlightened villagers through rallies, street plays, surveys, group discussions, social and economical survey about illiteracy, cleanliness, hygiene, superstitions, importance of savings, water management, govt. schemes, cultural activities etc. during the camp. SRT campus

Activities during 2012-2013

- Plantation Programme was held on Independent Day 15 August 2012, 140 volunteer participated.
- NSS Day Celebration was held on 24th September 2012, at Hall, Arts Block, Pauri. 250 volunteer participated in the celebrations.
- Blood Donation Day was celebrated on 1 October 2012 by 115 volunteers at District Hospital Pauri.
- Mahatama Gandhi Jayanti was celebrated on 2nd October 2012 by 130 NSS volunteers
- State Foundation Day was celebrated on 9th November 2012 by 200 NSS volunteers at Hall, Arts Block, Pauri Campus.
- Awareness Rally was held on the occasion of World AIDS Day on 1st December 2012 by 120 volunteers in Pauri City
- Sparsh Ganga Divas was celebrated on 17th December 2012 by 180 volunteers at Ramlila Ground and Nagar Palika Pauri
- Five one day camps (Sept. 24; Oct. 02; Nov. 09; Nov. 29, 2012 and Jan. 24, 2013). In these camps volunteers worked physically, cleaned the campus and nearby places. The awareness programme such as: general health, mental health, spiritual health, HIV/AIDS, population education conducted by NSS unit. SRT Campus.
- On world AIDS day (01-12-2012) a workshop on AIDS awareness organized by NSS and red ribbon club. SRT Campus.
- A seven day-night camp was organized at ANM center Sursingh

Dhar (New Tehri) from 28th January, 2013 to 3rd February, 2013. One hundred and nineteen (119) NSS volunteers participated in the camp. Activities like talks related to social issues, interaction with the community and awareness programme were organized in the adopted village. Many resource persons came over and give valuable messages on environment protection, discipline, different social evils, road safety and many such topics. Volunteers were made aware of the village situation with respect to the demographic conditions i.e. their culture, customs & means of livelihood. They came to know of the social problems that the villagers faced in their day to day life. Volunteers also aware the villages for the importance of vote and right to vote for the coming elections. SRT Campus.

- Ten (10) NSS volunteers participated in the 2nd Youth festival at Bhimtal (Nanital) from 24th February to 28th February, 2013 which was organized by Uttarakhand State Council for Science and Technology, Dehradun. SRT Campus.

Activities during 2013-2014

- Plantation Programme was held on Independent Day, 15th August 2013 by 120 volunteers at BGR Campus Pauri.
- NSS Day Celebrations were held on 24th September 2013 by 250 volunteers Hall, Arts Block, HNBGU Campus Pauri
- Blood Donation Day was celebrated on 1st October 2013 by 115 volunteers at District Hospital Pauri.
- State Foundation Day was celebrated on 9th November 2013 by 200 volunteers at Hall, Arts Block, Pauri Campus.
- Awareness Rally was organized by 120 volunteers on World AIDS Day, December 2013 in Pauri City.
- Sparsh Ganga Divas was celebrated on 17th December 2013 by 180 volunteers at Ramlila Ground and Nagar Palika Pauri
- Rashtriya Matdata Jagrukta Divash was celebrated on 25 January 2014 by 132 volunteers. An Awareness Rally in pauri City and around was held on the occasion.
- A special Blood Donation Camp with Red Ribbon Club was held on 12th Feb 2014 at Science Block, Pauri campus.
- Five one day camps organized. During these camps NSS volunteer conduct different activities like: Shramadan, rallies at campus to main bazaar to aware the people about illiteracy, cleanliness, hygiene, superstitions, importance of savings and importance of 'Matdan Ka Adhikar'. SRT Campus
- Celebrate 24th September as a NSS foundation day. On this day the programme officers and other invited speakers made aware to volunteers about the objectives of NSS and what & how they can serve the society. Speakers provided the details about the NSS

rules and regulations and its importance in day today life. Also created an awareness programme on health. SRT Campus

- On Dec. 01, a one day workshop organized by NSS units at the seminar hall of the campus on the occasion of “World AIDS day”. Red ribbon club member conduct the poster and slogan competition for AIDS awareness. SRT Campus
- 07 days special camp was conducted from Dec. 11 to Dec. 17, 2013. During the seven day camp various activities like talks related to social issues, interaction with the community and awareness programme were organized in the adopted village. During the seven day camp a socio-economic survey for nearly 20 houses was conducted, which mainly focus on the health issues of the people. The rural people highly appreciated these activities. SRT Campus

5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University/ State/ Zonal/ National/ International, etc. during the last four years.

NCC

- Eleven NCC Cadets from Birla Campus, Srinagar participated in All India National Integration Camps held at Rajkot (Gujrat) and Meerut from 3-14 January 2011 and 17-28 January 2011 respectively representing Uttarakhand State and won the overall championship in Cultural activities and Line area competition.
- Four NCC cadets participated in Republic Day Camp, 2011 in New Delhi and also took part in Prime Minister Rally 2011 New Delhi. Four NCC girl cadets were selected for the Thal Sena Camp 2010 in New Delhi.
- Ten cadets from NCC Birla campus participated in Republic Day Camp 2012 at New Delhi. Three of them took part in March Past parade at Rajpath, six participated in Prime Minister Rally and one cadet took part in Guard-of-Honour for the President. Cadets have also attended several infantry camps

NSS

- NSS Volunteers from Birla Campus, Srinagar were selected for Pre RD Parade Camp at Haryana and RD parade in Delhi and also participated in the Youth Camp.
- Nearly 4500 Units of blood was collected on voluntary basis under voluntary blood donation programme during the year 2010-11.
- NSS HNB Garhwal University has a volunteer base of around 11,200 students belonging to various disciplines and degrees of HNB Garhwal University and its affiliated Colleges.
- In 2011-12, the NSS cell of HNB Garhwal University conducted

four workshops for Nodal Officers of Red Ribbon Club. Through the Club, the NSS units of the University collected 4600 units of blood on voluntary basis. In the area of Environmental protection, 7600 saplings of different varieties were planted by the NSS units.

- For the first time, Election Commission of India deployed NSS Volunteers of the University for election drive in the state assembly election.

Inter-Collegiate Competitions

2011-2012

S.	Name & Campus	Event	Prize
1	Anuradha Raturi- Srinagar Campus	Light vocal	First
2	Iti Dhiman- Badshahithaul Campus	Light Vocal	Third
3	Bharti Kandwal- Srinagar Campus	Classical Vocal	First
4	Akanksha Bisht- Srinagar Campus	Classical Dance	First
5	Srinagar Campus	Group Song	First
6	Srinagar Campus	Folk Song	Second
7	Srinagar Campus	Folk Dance	Second
8	Srinagar Campus	Mime	First
9	Vaibhav Panchbhaiya- Srinagar Campus	Mimicry	Second
10	Srinagar Campus	Qawwali	Second
11	Srinagar Campus	One-Act Play	Second
12	Subodh Joshi- Srinagar Campus	Debate (for)	First
13	Shobha- Srinagar Campus	Speech	Third
14	Sushma- Badshahithaul Campus, Tehri	Poetry recitation	Third
15	Neha Mamgain- Srinagar Campus	Painting	First
16	Maya- Badshahithaul Campus, Tehri	Painting	Second
17	Deepika Chauhan- Tehri Campus	Poster	Second
18	Narendra Singh- Srinagar Campus	Cartoon	Second

2012-2013

S.	Name & Campus	Event	Prize
1	Srinagar Campus	LightVocal	First
2	BGR Campus, Pauri	LightVocal	Third
3	Anoop SinghSrinagar Campus	Classical Vocal	First
4	Megha Bhatt- Srinagar Campus	Classical Dance	First
5	Srinagar Campus	Group Song	First
6	BGR Campus, Pauri	Group Song	Second
7	Srinagar Campus	Folk Song	First
8	Srinagar Campus	Folk Dance	First
9	BGR Campus, Pauri	Folk Dance	Third
10	Srinagar Campus	Mime	First
11	Srinagar Campus	Mimicry	Second

12	Srinagar Campus	Qawwali	Second
13	BGR Campus, Pauri	Qawwali	Third
14	Srinagar Campus	One-Act Play	First
15	Naresh Chandra- Srinagar	Debate (for)	First
16	Jagmohan Singh, Pauri Campus	Debate (against)	First
17	Deeksha- Sriangar Campus	Debate (against)	Second
18	Darshan Singh- Srinagar	Speech	Second
19	Anshu Tiwari, Pauri Campus	Poetry recitation	Second
20	Kavita Dimri, Srinagar Campus	Poetry recitation	Third
21	Ajay Joshi- Srinagar Campus	Painting	First
22	Rekha Jagwal- SRT, Tehri	Painting	Second
23	Srinagar Campus	Poster	Second
24	Srinagar Campus	Cartoon	Third
25	Badshahithaul Campus, Tehri	Quiz	First
26	Srinagar Campus	Quiz	Second
27	Srinagar Campus	Western Vocal	First

2013-2014

S. No.	Name & Campus	Event	Prize
1	Arushi Krishna- Srinagar Campus	Light Vocal	First
2	Sampati- BGR Campus, Pauri	Light Vocal	Third
3	Rajdeep Lakhera- Srinagar	Classical Vocal	First
4	Sampati- BGR Campus Pauri	Classical Vocal	Third
5	Srinagar Campus	Group Song	First
6	Srinagar Campus	Folk Song	First
7	Srinagar Campus	Folk Dance	Second
8	BGR Campus, Pauri	Folk Dance	Third
9	Srinagar Campus	Mime	First
10	Vaibhav Panchbhaiya- Srinagar	Mimicry	First
11	Srinagar Campus	Qawwali	First
12	Srinagar Campus	One-Act Play	Second
13	Shalini Pandey- Srinagar Campus	Debate (for)	First
14	Manoj Bhatt- BGR, Pauri	Debate (for)	Second
15	Seema- Sriangar Campus	Debate (against)	Second
16	Anjali Vashishtha, Srinagar	Speech	First
17	Manoj Rawat- BGR Campus	Poetry recitation	Second
18	Neha Mangain- Srinagar	Painting	First
19	Preeti Ravi- Srinagar Campus	Poster	Third
20	Vikas- BGR Campus, Pauri	Cartoon	Second
21	Shruti Nautiyal- SRT, Tehri	Cartoon	Third
22	Badshahithaul Campus, Tehri	Quiz	First
23	Srinagar Campus	Quiz	Second
24	Arushi Krishna- Srinagar Campus	Western Music	First

Inter University North Zone Youth Festival

- 2009-10: 25th IUNZYF in Kurushetra University Kurushetra (16 Students participated in 20 events)
- 2011-12: 27th IUNZYF in Lovely Professional University, Jalandhar (30 Students participated in 22 events)
- 2012-13: 28th IUNZYF in Guru Nanak Dev University, Amritsar (30 Students participated in 22 events)
- 2013-14: 29th IUNZYF in Baba Bhim Rao Ambedkar University, Lucknow (26 students participated in 22 events). Quiz team of the University Secured Youth 4th Position.

5.3.3 Does the university conduct special drives/ campaigns for students to promote heritage consciousness?

- Different departments of the university, especially of social sciences, regularly conduct programmes to promote consciousness towards our culture and heritage.
- The university organizes educational tours to visit places known for monuments and museums of cultural significance to sensitize the students towards the cultural heritage.
- The departments like History, Archaeology, Folk Performing Arts and Culture assign projects to their students on topics related to various facets of culture and heritage.
- Guest-lectures are organized for the students and faculty members to provide them with physical and intellectual orientation in terms of culture and heritage.
- Drawing and Painting department of the university organises painting exhibitions based on our culture and heritage during the annual cultural week of the university.
- The University also celebrates days of national /international academic and cultural significance, like Teacher's day, Women's day, Hindi Diwas etc. to develop and reinforce values of culture and heritage.
- The university offers courses like Indian classical music, theatre, drama including regional folk to inculcate and enhance cultural awareness.
- The various departments of the University, especially of social sciences, invite NGOs to deliver talks on various aspects of culture and heritage.
- Yoga classes are also organized by the Yoga Department of the University for students and teachers.

5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/

materials brought out by the students during the last four academic sessions.

The university encourages and promotes the students to write, publish and participate in the process of publishing through the Committee organized for the purpose which regularly brings out its annual magazine.

- NIRJHARANI
- HIMBHARTI
- HIMLOKINI

Drawing and painting department of the university publishes its souvenir as well as the catalogue of annual art exhibition regularly which includes the paintings made by their students.

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

Yes, the University has an elected Students Union and Apex Body with the following constitution:

Students Union

- President
- Vice-president
- Secretary
- Joint Secretary
- Treasurer
- University Representative
- Six members of Executive

Apex Body

- President
- General Secretary
- Treasurer
- Six members of Executive

The Student's Union is responsible for bringing up the issues related with the welfare of students before the university authorities. Besides, they actively participate as part of organizing committees of academics, sports and co-curricular activities in the Campus.

Fee collected from the students under the head of Student Union fee (Rs.80 per student) is used for funding the activities of Student Union. Besides, the university also grants funds for organizing various functions/events by the Student Union.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.

- President of the Students Union is a member of IQAC.
- President of the Students Union is a member of Anti Ragging

Committee

- Student representatives are member of the organizing committees of Cultural and Sporting events conducted by the Students' Welfare Board.
- Student representatives are member of Permanent Cell for Combating Sexual Harassment and Violence against Women.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and the mission of the university.

VISION

To achieve excellence by empowering all stakeholders through promotion of innovations in the field of higher education by imparting training and education, and encouraging research for the development of the country with specific attention to the mountain region.

MISSION

To stimulate the academic environment for promotion of holistic learning and research and to contribute to the nation's growth. To inculcate values and impart skills for shaping able and responsible individuals committed towards the intellectual, academic and cultural development of society.

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution's tradition and value orientations, its vision for the future, etc.

Yes, the mission statement of the University truly describes the unique characteristics *vis-a-vis* its duties for the society as envisioned in its vision statement.

6.1.3 How is the leadership involved

* In ensuring the organization's management system development, implementation and continuous improvement?

- The organization structure is as per the Central University Act 2009. The Visitor, the Chancellor, the Vice Chancellor, the members of the Executive Council (EC), Academic Council (AC), Finance Committee (FC), Court and Board of Studies (BoS) constitute management system of the university, which regularly interact to frame suitable policies to lead the university as a team for its all round growth.
- The Vice Chancellor is the Chairman of the EC, AC, FC, Court and all the selection committees of the University.
- The University has a separate Planning and Development Cell to execute its developmental activities catering to the needs of the stakeholders.

- All major financial decisions are approved by the FC of the University under the chairmanship of the Vice-Chancellor. Open tendering process including e-tendering is adopted for purchase thus ensuring transparency.

* **in interacting with its stakeholders?**

- The stakeholders of the university are represented in various statutory bodies and committees constituted under the chairmanship of the Vice-Chancellor, and their views are given due space.
- The students interact directly with the faculty and the Head of Departments. Similarly, all the faculty members have direct access to their Heads, Deans and Vice-Chancellor. All the non-teaching employees have direct access to their superiors.
- Also, the stakeholders' representatives' viz., Students' Union, Teachers' Association, Officers Association, Non-teaching Employees Union and civil society interact with the Vice-Chancellor from time to time.

* **in reinforcing a culture of excellence?**

- Students' feedback, self appraisal reports of teachers and annual confidential reports of non-teaching employees are means for reviewing and reinforcing academic and administrative excellence.
- Nominations of cognate members in committees further ensure the role of leadership in ensuring academic excellence.
- Participation of students, research scholars and faculty conferences and seminars is encouraged.

* **in identifying organizational needs and striving to fulfil them?**

The University identifies the organisational needs and strives to fulfil them. These include introduction of new courses, development of infrastructural requirements and expansion of existing facilities, upgradation of laboratory facilities, recruitment and need based deployment of human resource. The work is facilitated by constitution of sub-committees to address the needs of the institution.

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.

Yes, the posts of Registrar, Finance Officer and Controller of Examinations lay vacant for more than a year. As of now, the Registrar and Finance Officer have joined the university. However, the selection committee held recently found none to be suitable (NFS) for the post of Controller of Examinations.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes, all the positions in various statutory bodies are duly filled in time, and the meetings are held regularly as per schedule. Emergent meeting are also convened as and when necessary.

6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the university uphold the culture of participative management. The faculty participate in various statutory bodies viz., BoS, School Board, AC and EC. Also, collective decisions are taken in agreement of all members thereby facilitating the execution of the tasks. The Students are also members of various boards, council and committees.

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.

The University provides academic and administrative leadership to the affiliated colleges on need based approach basis as required time to time in matters related to syllabi, methodology, examinations, BoS, AC, Governing Bodies etc.

6.1.8 Have any provisions been incorporated/ introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

Yes, under Section 6(1) (xvii) and Section 26(i) of the Central University Act 2009.

6.1.9 How does the university groom leadership at various levels? Give details.

- The University has the provision of rotational headship and deanship to extend the leadership quality among teachers.
- Teachers are nominated to different committees constituted from time to time to facilitate administrative workings, thus providing them administrative exposure and opportunity to participate in decision making.
- Young faculty are encouraged to join programmes like NSS, NCC, ITN, DSW board etc. so as to gain exposure and develop leadership qualities.
- The students are also motivated to join NSS and NCC so as to inculcate camaraderie and discipline besides grooming the leadership qualities in them.
- The students are encouraged to participate in sports, cultural and other co-curricular activities for their all round development.

- The university ensures conduct of free and fair elections of the Students' Union every year. Thus, providing them a forum to democratically raise issues of student's interest. Also, Teachers' Association, Non-teaching Employees Association and Research Scholars' Association discuss concerning issues with the university authorities.

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

Although no formal knowledge management strategy exists, nonetheless, the University had made some initiatives in this regard:

- The Central Library has a repository of all the PhD theses of the University, which is open to access by scholars.
- Providing in-house access to e-publications is available at all campuses through e-resources labs with internet connectivity and downloading facility.
- The library has been receiving several online resources through INFLIBNET to access peer-reviewed e-journals, e-books, e-database (bibliographical and full text etc.). Subscription of more e-resources is on the anvil.
- The university extend administrative and financial support to the faculty to update their knowledge base by participation in seminars, workshops, training programmes etc.
- Departments are supported financially to organize seminars, conferences, workshops etc.

6.1.11 How the following values are reflected in the functioning of the university?

* **Contributing to national development**

- The University faculty are engaged in research in thrust areas identified by major national agencies like DST, DBT, DAE, UGC, ICSSR, ICHR etc.
- In recognition of the research done by the faculty, a 'Nodal Calibration Centre for strengthening studies on Radon in North India' has been set up by BAARC at SRT Campus, Tehri.
- The alumni of the University are/were heading some of the institutes of national repute like Indian Council of Forestry Research & Education (ICFRE), Dehradun; Central Institute of Fisheries Education (CIFE), Mumbai, GB Pant Institute of Himalayan Environment & Development (GBPIHED), Almora etc. Also, some have been Vice-Chancellors of Universities (BHU, DAVV, Bundelkhand). Furthermore, the alumni have attained high positions in their cadres of IAS, IPS and Indian Forest Service

besides many others.

- The faculty serve in important committees and bodies of national importance (Forest Advisory Committee, MoEFCC; Environmental Clearance, State Environment Impact Assessment Authority; Research Policy Committee of ICFRE etc.)
- The University actively participate in NSS and NCC programmes to foster an environment of voluntary service to mankind, the main goal of the education towards nation-building.
- The INSPIRE Science Camps organized by the University has motivated the school students of Uttarakhand to get 2nd highest number of scholarships in higher education in the country.

* **Fostering global competencies among students**

- For facilitating exchange of students the University has signed Memorandum of Understanding (MoUs) with some national and international institutes.
- The university provide opportunities for inter face with the international education and research through collaboration with various international bodies, and exchange programmes.

* **inculcating a sound value system among students**

- The university fosters an environment conducive for the growth and enrichment of moral and spiritual values.
- Value based education is imparted to students, supplemented by lectures/ talks delivered by eminent thinkers, environmental and social icons through various programmes of the special Cells of the University.
- Also, human values like cooperation, dedication, tolerance etc. are instilled by participation in co-curricular activities and sports.

* **Promoting use of technology**

- The University promotes use of ICT in administrative, teaching and learning and evaluation process.

* **Quest for excellence**

- The University promotes a work culture and environment of learning in which excellence is the key to academic success and career advancement.
- The University carry out its academic and administrative activities in accordance to the pre decided schedule.
- It encourages the students to excel by providing need based incentives and facilities.
- Likewise the faculty members are extended administrative and financial support to pursue research.

- Periodic orientation and training programmes are arranged for administrative staff to upgrade their knowledge and skill.

6.2 Strategy Development and Deployment

6.2.1 Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

Yes, the university has a perspective plan for development with the following policies and strategies:

*** Vision and mission**

As the university has the mission to impart the education that distinguishes it at national and international level, its policy and strategies include the following aspects:

- (i) Developing dynamic leadership, socially conscious and innovative skilled human resource by providing them ground for their formation and growth.
- (ii) Efforts to increase the access to education to all the sections of the society.
- (iii) Empowering the students with quality education that promotes the spirit of enquiry and enables them to improve their confidence level to participate in decision making process.
- (iv) Cultivating global competence by updating curricula and pedagogical practices regularly.

*** Teaching and learning**

- (i) Curriculum designed according to the latest trends and revising it according to changing professional needs and contemporary trends. The course content is designed on the guidelines provide by the UGC in model syllabus. Besides, syllabi of many courses incorporate the essentials of NET syllabus, others formulate as per the curricula proposed by governing bodies like AICTE, PCI, NCTE, BCI etc. Also, course curricula of Management and Tourism are designed keeping the requirements of industry and corporate sector in view.
- (ii) In order to enhance teaching-learning process, the University focuses on constant innovations in pedagogical practices.
- (iii) Introducing a new programmes catering to different interests and aptitudes. Introduction of PG programmes in Rural Technology and Himalayan Aquatic Biodiversity are initiatives made in this regard.
- (iv) Organising workshops and seminars to keep the faculty

members updated with the ongoing trends and practices in the area of education and research.

- (v) Periodical assessment and evaluation system to make examination process transparent and more effective under CBCS in all PG programmes.
- (vi) Providing opportunity to the students for holistic development through various extra-curricular and co-curricular activities.
- (vii) Steps towards vocationalization of education through the introduction of various professional and job-oriented courses (e.g. B.Tech., MSW etc.). Setting up of Community College for imparting skill oriented courses (Machining and Welding).

* **Research and development**

The University aims at developing into an excellent seat of research. It has designed its strategies and planned its recurrent expenditure with this vision, keeping in view the following objectives:

- (i) Efforts to increase research outputs while maintaining quality through increased levels of publication in the journals, conference volumes and books of national and international repute.
- (ii) Promoting interdisciplinary research with core commitment to innovation to produce socially relevant research findings for community benefit.
- (iii) Having a sufficiently developed infrastructure for quality research, the University encourages research activities as evident from the large number of research projects taken up by the. Also, faculty members participate regularly in the national as well as international platforms presenting their research findings. Apart from this, theses submitted at M. Phil., Ph.D. and P.G. levels also contribute to the field of knowledge and lead towards the extension of already existing ideas, thus creating potential scope for new areas of research to be taken up by future scholars.
- (iv) Enhancing the level of research by attracting a good number of quality researchers. This is ensured by conducting entrance test at All India level and further selection by interviewing the qualified candidates.
- (v) The university has set up an Innovation Club to sense, explore, identify and spread the innovations of the region including the in-house innovations as well as made elsewhere in the region.
- (vi) Special emphasis is laid to encourage research related to the hill society in general and women, in particular.

* **Community engagement**

The University has adopted specific strategy for increasing its participation in community engagement initiatives:

- (i) Motivating students and faculty for participation in community service through community based research projects and organizing workshops.
- (ii) Organize discussions and deliberative public dialogue on the issues of public interest inviting community participation.
- (iii) Community College was set up in 2013 with the objective to expand the skill-based programme in higher education by offering a flexible and open education system. It has initiated two skill oriented courses in Machining and Welding.
- (iv) For holistic development of the rural India, the University has initiated Village adoption programme.
- (v) The Department of Adult, Continuing and Extension Education has been organizing regularly extension programme in literacy awareness, environmental awareness and other socially relevant issues.
- (vi) The university has successfully brought into practice some of the technologies/practices developed by its researchers with active community engagement especially in the field of cultivation of Medicinal and Aromatic Plants.

* **Human resource planning and development**

The perspective plan of the University envisages an effective and efficient human resources system to cater to the needs of the entire institution and its employees in the following manner:

- (i) The University ensures that the faculty and other staff members are taken into confidence to design policies and procedures that directly affect their lives and play a key role in the immediate functioning and governance of the entire institution.
- (ii) Initiatives to incorporate proper practices and effective policies to recruit and retain excellent faculty and staff, and promote an inclusive and non-discriminatory workplace.
- (iii) Provide opportunities to facilitate strategic partnerships with other universities and organizations for realizing the goals of the University through various programmes and initiatives.
- (iv) The University also has a Placement Cell to help and support its students to get better jobs after the completion of their courses and research.

* **Industry interaction**

In the University, interaction with the industry is sought through collaborative programmes like seminars, workshops, internships and

various research projects. The University also invites experts from various industrial organizations to act as resource persons and interact with the students. A formal Academia-Industry Linkage Cell has been set up recently. A beginning has been made by organizing 'AAROHAN'-An Industry Academia Interface event organized by the Department of Business Management.

Centre for Mountain Tourism and Hospitality, Department of Management and University Career Counseling and Placement Service regularly interact with industry/corporate houses for On/ Off Campus recruitment.

Similarly, on job training/ industrial training/ project work are integral part of the curricula of Pharmaceutical Science, Pharmaceutical Chemistry, Biotechnology, Engineering etc. and students regularly visit the industry/ institutes.

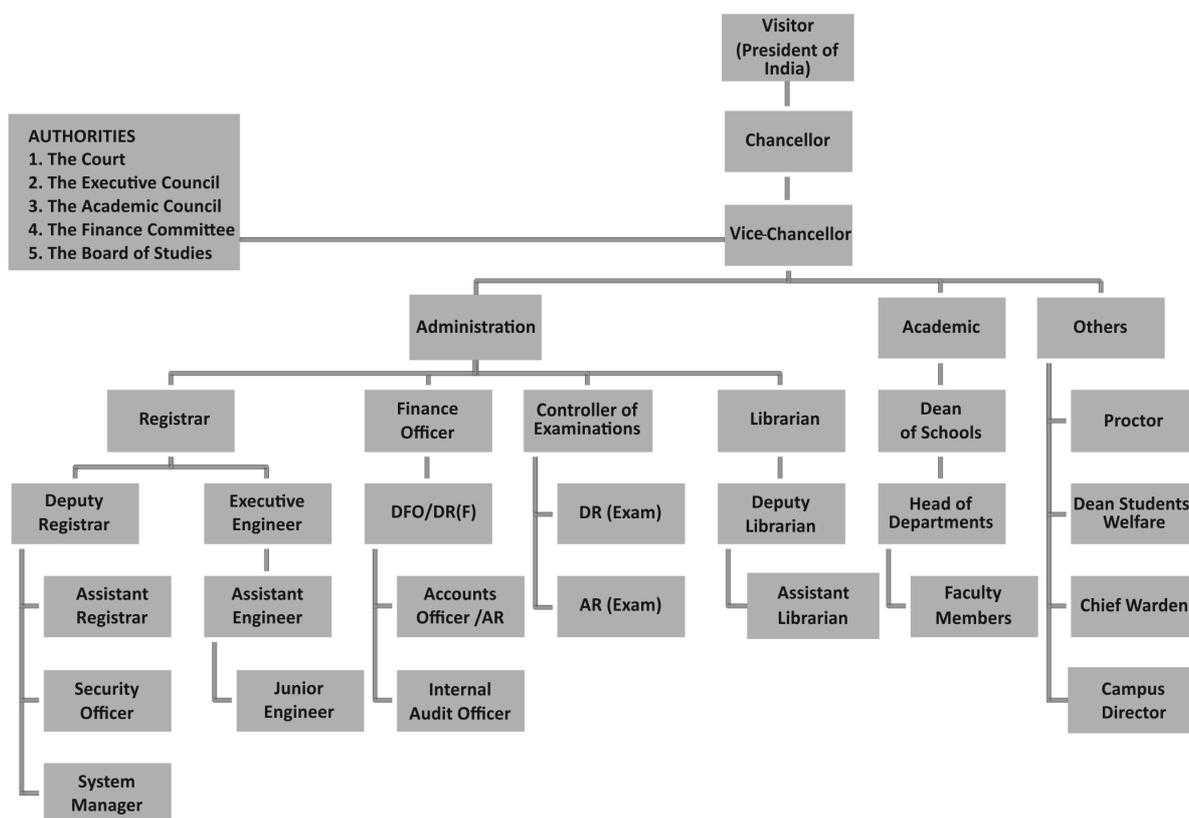
* **Internationalisation**

The University, keeping in view the changing world scenario, has made efforts to introduce and design courses that help the students overcome the barriers they used to face earlier in competing efficiently at global levels. The University envisages strategic plans and schemes for the students with a wider international focus on the following lines:

- (i) Providing opportunities and initiatives for international activities on its campuses for the faculty and students to collaborate across disciplines.
- (ii) Initiatives and efforts to integrate global perspectives and learning experiences of international relevance into courses and research programmes as evident from the MoUs signed by the University.
- (iii) Regular practice to promote greater awareness of global opportunities and engagement across all the campuses of the University through proper communication, networking and coordinating of wider initiatives and international programmes for the students as well as the faculty to enrich and groom their perspectives in global context.
- (iv) Creating and designing the curricula with international focus to prepare the students across different disciplines to quickly adapt to the fast changing world and compete efficiently in the new global economy.
- (v) Open to enrol international students in its programmes of studies as per guidelines of UGC.
- (vi) Some of the faculty members are Fulbright scholars and regularly participate in exchange programme.

6.2.2 Describe the university’s internal organizational structure and decision making processes and their effectiveness.

Organizational Setup of HNB Garhwal University



In addition to this, the University has also set up its Internal Quality Assurance Cell (IQAC) in accordance with the guidelines of the UGC-NACC to develop quality system for achieving academic excellence and expeditious administrative proceedings. It aims build up a progressive and result-oriented work-culture through institutionalization of value-based practices.

Decision Making Process of the University

All the major decisions in the University are taken in accordance with the provisions of Central University Act 2009, Statutes, Ordinances, Rules and Regulations, Administrative Procedures, Fundamental Rules and Supplementary Rules, General Financial Rules, Pension and Gratuity Rules and other directives received from MHRD and UGC. In the matters of formulating policies for the overall development of the University, decisions are taken at the level of the Vice-Chancellor, Executive Council, Academic Council, Finance Committee, School

Board and Board of Studies. All major decisions/ recommendations of statutory bodies are reported to the EC for approval.

6.2.3 Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

The university has a policy of periodic review of the functioning of its constituents by seeking inputs on various attributes related to their work to ensure quality in its overall functioning. The self appraisal reports, annual confidential reports and students' feedback help to facilitate this.

6.2.4 Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes, the university encourages its academic department to function independently and autonomously within its broad policy framework.

The Head of Department (HoD) in consultation with the departmental committee and BoS ensure smooth functioning of all academic activities. The HoD make certain that classes, evaluation and other duties assigned to the faculty are completed within the stipulated time.

6.2.5 During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?

On an average 100 cases are filed each year. Most of these cases are related to affiliation and examination issues. In most of the instances, the University's decisions on affiliations have been upheld, whereas in matters related to examinations the students have been given the benefit.

6.2.6 How does the university ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder-relationship?

The University has Anti-ragging Committee under the chairmanship of the Vice-Chancellor. The committee is assisted by Anti-ragging Squads in all the campuses. Ragging related grievances and complaints of the students are lodged with Chief Proctor, who sets up a fact finding inquiry committee to submit its report. The report is forwarded with suitable recommendation to the Chairman of the Anti-ragging Committee for final verdict. Some specific committees such as Students Grievance Cell and Cell to Combat Sexual Harassment also function at large to solve and resolve the grievances and complaints within the University. At the departmental level, the HoD and the faculty members take care of the grievances and complaints of the

students.

Periodic assessment of the matters related to grievances is made by the DSW, Coordinators of the Special Cells, Proctor and other officials of the University.

6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes, the university has an informal mechanism for analysing student feedback which in turn is reported to the concerned authorities and then the action is taken accordingly. Recently, the University has also reconstituted its Internal Quality Assurance Cell (IQAC) to monitor and review the performance of all the departments. A formal student's feedback mechanism is now in place. The response of students was very positive and the faculty also welcomed the initiative.

6.2.8 Does the university conduct performance audit of the various departments?

The Deans of all the Schools conduct meetings with the Heads of the departments periodically to assess the performance of the departments by seeking inputs from the respective departments. The feedback from the students also helps in assessing the performance of the departments, specifically in terms of teaching output, teaching methodology, syllabus coverage etc. which proves to be a very important tool for auditing.

The University through its recently reconstituted Internal Quality Assurance Cell (IQAC) intends to conduct academic audit of the departments. Also the feedback from students on teachers is to be further analysed by the IQAC

6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?

The University make panel Inspection of all its affiliated colleges/institutes for assessing their infrastructural, human resource and support requirements as per the norms laid down by the UGC and other governing bodies of the courses. The shortcomings are earmarked and time period is stated to add/ improve/rectify them.

Their request for approval of new courses or increase in the intake of students in a course is duly verified and suitable recommendation is made to the University authorities by the inspection panel for approval.

6.2.10 Does the university have a vibrant College Development Council (CDC)/ Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.

No, the university does not have a CDC.

6.3 Faculty Empowerment Strategies

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

The University has been making all possible efforts to enhance the professional development of teaching and non-teaching staff. To ensure enhancement of professional and academic exposure, the University encourages the faculty and staff members to participate in workshops, seminar and conferences organised by other educational institutions and external agencies. The University provides special casual leave to faculty who are invited to present project proposals by several funding agencies. University also has the provision of study leave to pursue post doctoral research. To encourage faculty members for academic enhancement, the university grants them leave like DL, SCL and travel support to facilitate participation in national and international conferences, seminars and symposia etc. the faculty members are also encouraged to go for research collaborations and MoUs with international and national universities and research institutions. Under CAS the teachers going for orientation programmes and refresher courses are treated as on duty.

6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.

Periodic self-appraisals on a pre-designed format containing the desired attributes commensurate to the function of individual functionary help in identifying the attributes that needs improvement. Review of the appraisals has helped in improvement of the functioning at individual and organizational level.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

Employee Welfare Fund extends loan up to Rupees 15,000/- to the non-teaching staff of the university. However, there is no such other scheme for teaching staff.

6.3.4 What are the measures taken by the University for attracting and retaining eminent faculty?

No, such measures are taken by the University.

6.3.5 Has the university conducted a gender audit during the last four years? If yes, mention a few salient findings.

No gender audit has been conducted by the university so far.

6.3.6 Does the university conduct any gender sensitization programmes for its faculty?

Yes, the University conducts gender sensitization programmes from time to time. The Centre for Women Studies and Cell to Combat Sexual Harassment keep organizing various seminars, workshops, lectures of eminent scholars, and discussions for gender sensitization. Although faculty members have major participation in these programmes, however students and local participation is also facilitated so as to strengthen its main objective.

6.3.7 What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?

The University do not have Academic Staff College.

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The objectives of the university are reflected in the academic activities and other services required and the past actual and estimate of future expenditure on these items are worked out in a budget. The budget (plan and non-plan) is a tool for planning and maintaining the financial income and expenditure of the university. It is also a control device. The Budget Estimates of the university is being prepared as per the UGC's prescribed format at the beginning of financial year and submitted for consideration and approval to various authorities like Finance Committee and Executive Council and subsequently submitted to the UGC for approval and release of funds. Apart from UGC, other financial resources are mainly fee collection from the students of university campuses and affiliated colleges and institutional charges of research projects/consultancy work of various funding agencies. Quarterly utilization of university finances are monitored and submitted to the UGC/MHRD regularly.

6.4.2 Does the university have a mechanism for internal and external audit? Give details.

The University has set up an Internal Audit Wing consisting of three officials. One professor has been deputed as Internal Audit Officer and two other staffs have been deputed in the Internal Audit Wing. External Audits are being conducted by the office of the Comptroller & Auditor General on regular basis.

6.4.3 Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?

Yes, the accounts of the university are regularly audited by the C&AG and the audited accounts are submitted to the authorities of the university and subsequently submitted to the MHRD for laying in the Parliament, Govt. of India.

Replies of all audit objections are submitted to the C&AG as per rule.

6.4.4 Provide the audited income and expenditure statement of academic and administrative activities of the last four years.

Audited Income and Expenditure Statement for the last four years is as follows:

Sr. No.	Item	Year wise details of Income and Expenditure (₹)			
		2010-11	2011-12	2012-13	2013-14
1	Receipts-Non Plan	724137669	778346752	591145615	789161187
2	Receipts-Plan	305914212	1076725210	647637434	518907235
3	Total Receipts	1030051881	1855071962	1238783049	1308068422
4	Expenditure- Non Plan	614874891	830305756	741010731	830685457
5	Expenditure-Plan	255944512	888528974	540557400	552334430
6	Total Expenditure	870819403	1718834730	1281568131	1383019887

*The excess expenditure Meet out from internal receipt

6.4.5 Narrate the efforts taken by the university for resource mobilization. Is there any provision for the university to create a corpus fund? If yes, give details.

Apart from the grants sanctioned by UGC and internal receipt (fee from students), the university is always encouraging and providing support to faculty members to submit project proposals/approach funding agencies for mobilizing resources. It is also encouraging expertise and specific knowledge based faculty members to take consultancy work from external agencies without affecting their teaching and research work. The finances generated through these activities are fairly utilized for the university. The university is also under the process for various collaborative works with industry under academic-industry linkage for resource mobilization.

Establishment of a Corpus Fund in the university is under process.

6.5 Internal Quality Assurance System

6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

As such, the university does not conduct academic audit of its departments. However, academic audit shall be conducted in the 2015-16 session.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

Although no academic audit has been conducted so far nevertheless the university takes appropriate measures to improve teaching, learning and evaluation as suggested by its statutory bodies namely the Board of Studies, Academic Council and Admission Committee.

6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The Academic Council (AC) of the university regularly reviews the teaching learning process as it discusses and approves the recommendations/ proposals of the Board of Studies.

The AC is chaired by the Vice-Chancellor and the members include all Dean of Schools; all Head of the Departments; Dean Students' Welfare; Proctor; Controller of Examinations; University Librarian; 03 Professors, Associate Professors and Assistant Professors by rotation according to seniority; 02 Principals of Affiliated Colleges by rotation according to seniority; 05 members nominated by the Visitor; and Co-opted members. The Registrar is the ex-officio secretary of the AC.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

The IQAC has associated one faculty from each department as representative for implementing its activities to attain its objectives of quality assurance. All communications with the departments are through the representatives who act as a facilitator in initiatives undertaken by the IQAC.

Also, discussions with university administrative officials are held from time to time so as to improve/ facilitate various processes for the stakeholders.

6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the university for implementation?

Two decisions of IQAC that were placed before the Registrar have been implemented by issuing notification. Also, other decisions are discussed for adopting the mode of implementation.

6.5.6 Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.

Yes, the IQAC have external members including 02 external experts, 02 from the Executive Council, 02 from the civil society and 01 alumnus. The external members with their vast experience and expertise guide the university by suggesting ways to achieve the objectives of the IQAC.

6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?

No, the IQAC has not conducted any such study so far. However, it intends to undertake such study in the session 2015-16.

6.5.8 What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?

The university has bodies at different levels to undertake periodic review of the administrative and academic units. Board of Studies, School Board and Academic Council hold periodic meetings to review the academic aspects of the subject areas, research centres and academic departments. The Authorities and Statutory Bodies of the University ensure proper functioning at administrative level.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environmental Consciousness

7.1.1. Does the University conduct a Green Audit of its Campus?

The University does not conduct a comprehensive Green Audit as such. But energy audits have been carried out from time to time. The last was conducted in early 2013 to identify how and where electricity is being wasted. All hostels, residential quarters and canteens have been provided with separate electric meters and a quota is set for each. The University has a policy to ensure “Green and Clean Campus” for which it conducts regular plantation programs and *Safai Abhiyan* (cleanliness drive) in all the campuses.

University has ‘Nature Club’ promoted by WWF-India Nature, dedicated to spreading environmental consciousness among students. It has membership of all students and research scholars of the Department of Environmental Sciences with a faculty member as an incharge. The club regularly conducts activities like plantations, rallies, poster competitions, quiz competitions, celebrations of World Environment Day and renovation of *naulas* and *dharas* (tradition sources of drinking water in the hills) for promoting environmental awareness among the masses.

The University has also a Department of Horticulture, which takes care of the maintenance of the trees, plantation; landscaping and overall greenery in the campuses.

7.1.2. What are the initiatives taken by the University to make the campus eco-friendly?

The University has identified eight priority areas for making the campuses eco-friendly.

* Energy Conservation

- All the mercury and sodium vapour (250 watt; 125 watt) street lights have been changed to energy efficient Light Emitting Diodes sets (LEDs)
- A total of 510 compact fluorescent lamps (CFLs) with a breakup of 150 (9 watt); 100 (5 watt); 260 (14/18/23 watts) have been used replacing all the incandescent bulbs of higher watts in the campuses.
- The faculty members, administrative staff and students are sensitized to use electric power judiciously.
- Provisions of master switch to all the classrooms to enable to switch off all fans/lights at the end of class work have been made in the University

- New buildings in the University have been constructed with more provision of natural lights and ventilation, enabling lower consumption of electrical energy in day time.

* **Use of Renewable Energy**

- Major initiative has already been taken by the University for installing solar water heating systems in most of the hostels (Mandakini; Bhagirathi; Trishul and Forestry hostel) in the year 2011. A total of 72 solar panels (size 1.5m × 2.5m) fitted with photovoltaic cells have been installed.
- The University has Renewable Energy Application Park (REAP) for promotion of public awareness on the use of renewable energy. It was established in the year 1996, sponsored by the Ministry of New and Renewable Energy Sources (MNRES), Govt. of India. The University is in the process of shifting it to a designated planned site for making more accessible to the visitors

* **Rainwater Harvesting**

- Rainwater harvesting systems are in operation in most of the buildings of the University. Both roof water and storm waters are harvested for various uses and recharging the groundwater. Four water harvesting tanks (03 tanks of the size: 13.0m × 7.0m × 2.0m each and 01 tank of size: 4.90m × 2.40m × 2.40m) are in operation in Chauras campus only.
- Three water collection tanks of total capacity of 2.35 lakh litre are also in operation in student hostels compound at the Chauras Campus.
- The stored rainwater is being used extensively in irrigating Horticultural Research Garden and plantation in the Chauras Campus and for recharging the aquifers/ ground water.

* **Check Dams Construction**

The University is located in the mountainous region. The university is aware about the fragility and vulnerability of the site of the campuses. Thus, construction of check dams, retaining walls, toe walls and river fronts for stabilizing the slopes and landslide zones and the eroding river banks of the Alaknanda have been in the planning, development and constructions of the buildings and the internal roads. It is worth mentioning to provide the details of these striders. A protection wall (55.0m × 6.0m) of RCC has been constructed for protecting the building of old Archeology Museum at Srinagar Campus. A retaining wall (48.0m × 6.5m) was also constructed for the protection of the building of High Altitude Plant Physiology Research Centre and Glass House. Two retaining walls (70.0m × 7.0m each) have also been

constructed for the stability of residences of Professors and Associate Professors and the Guest House. Many check dams have been constructed in the vicinity of Vice-Chancellor's residence for controlling landslides and soil erosion in the Chauras Campus. Ten cross dykes wall (15.0m × 8.0m) have been constructed at the bank of River Alaknanda to prevent soil erosion.

A long toe cum retaining wall (length 450 m; width 8.0m (bottom), 2.5m top and height 11.0m) is being constructed for the stability of the stadium at Chauras campus with an investment of Rs 28.71 crore in First Phase. This will also protect the approach road to Chauras Campus which was damaged due to the devastating flood during Kedarnath disaster of June 2013.

* **Efforts for Carbon Neutrality**

Carbon neutrality means the action taken by the individuals and organizations to achieve a zero carbon foot print. It entails removing as much carbon dioxide from the atmosphere as they produce, while going about their work. Sincere efforts have been made by the University for achieving carbon neutrality through planting of more trees and developing several patches of natural mixed forest cover. These forest patches/ green belt serve as a sink for carbon. A forest patch has been preserved in the surroundings of High Altitude Plant Physiology and Research Centre. The centre also maintains an arboretum of 40 multipurpose tree species in its premises. A garden, *Jagdamba Vatika* has been developed in front of the administrative block of the university at Srinagar Garhwal. In addition to these efforts, planting of more trees every year is carried out by the Department of Environmental Sciences, Horticulture, Forestry and Natural Resources, High Altitude Plant Physiology Research Centre and the University Youth Club. There is a complete ban on felling of trees.

* **Plantations**

Plantation is a regular feature of the University. University is set in a green landscaped ambience and every year a good number of trees are planted. The University campuses are covered with a mix of big trees, new young trees, ornamental shrubs and herbs. All roadside trees are properly named with common and botanical names. Already, the roadsides in Chauras Campus have been planted with trees. Further, the University selects sites every year so as to make the entire campus green. Priority is given to the fast growing broad leaved indigenous varieties for plantation.

* **Hazardous Waste Management**

Chemical and biological hazardous waste (both liquid and solid) generated from laboratories of School of Sciences (Chemistry) and Life Sciences (Zoology, Biotechnology, Biochemistry and Biochemistry) are disposed off properly with necessary precautions.

* **E-waste Management**

There is well prescribed procedure to write off the worn out and non repairable items. The University is planning to establish an e-waste management system to ensure that e-waste is properly stored and given to an approved agency for its proper disposal.

* **Promotion of Environmental Awareness**

The University regularly conducts environmental awareness programmes under the National Environmental Campaigns (NEAC) of the Ministry of Environment, Forests and Climate Change, Govt. of India. The University has conducted a number of workshops, symposia, rallies, *padyatras*, poster and quiz competitions on energy conservation, water conservation and saving of food waste. Occasions like World Environment Day, World Water Day, Wildlife Week etc. are celebrated to promote awareness especially among the students. Leading environmentalists are speakers at annual events like Gaura Devi Memorial Lecture Series, Foundation day of the University etc. All such awareness programmes are further propagated in the society through print and visual media as media persons are invited to cover the events.

7.2 **Innovations**

Innovations and best practices are integral to the successful functioning of any university or an institution of higher learning. The governance structure of the University promotes a culture of stimulating interaction and discussions and leads to constructive criticism and creativity. H.N.B. Garhwal University has strived to introduce many innovative actions in teaching, research, administrative (examination and recruitment process) and extension activities during the last four years which have created a positive impact on the functioning of the university. The innovative approaches initiated by the university are given below

- **Examination Reforms:** Reforming examination to ensure reliability, validity and objectivity with transparency has been in the top agenda of the University. Today, the University follows semester systems with continuous and comprehensive internal assessment as an integral part of its system for the formative and summative evaluations in all the postgraduate programmes. In all the course/ programmes, the teacher teaching the course shall give

the assignments, projects and sessional tests regularly at fixed internals as tools for formative evaluation. As an element of openness, the students are shown the evaluated answer sheets/ assignments; and every student has a right to contest his/ her assessment with the teacher or compare their performance with others.

- **Recruitment Process:** The traditional recruitment system based on rigid procedure and strict time limits was proved ineffective and not giving satisfactory results. The University in order to attract good faculty, revamped the recruitment process of advertisement and submission of application forms on-line. All the vacant teaching positions are advertised by the University in the form of a composite rolling advertisement on its website. The rolling advertisement remains alive all the time and it is updated everything when a new vacancy is created or when the advertised positions are filled up by selection. The prospective applicants therefore can apply any time of the year, but the applications will be processed after the cut off dates indicated beforehand on the website.
- **Women Study Centre:** The University has established a women study centre in 2009 for promoting gender-equity, enhancing women empowerment and promoting linkage between academics and society. The Centre regularly conducts programmes on sensitizing the people on gender related issues and personality development of girl students.
- **Innovation Club:** In recognition of the fact that innovation is the key to success in knowledge based economy, the University has established an innovation club. The underlying objective of the club is to sense, explore, identify and spread the innovations of the region and make knowledge creation productive for the society. It is also planned to recognize creative and innovative talent at the grassroots and link it to the formal education system. The innovation club is working on expanding its reach to grassroots at institutional as well as individual level to explore and identify the innovations through various means of communication. To achieve these objectives, the club is tasked to foster and promote innovations in teaching, research, and administration. Two members of the innovative club have also participated in the first meeting of National Innovative Club held at Rastrapati Bhawan, New Delhi on March 10, 2015.
- **Inspired Teachers Network:** The University has created an 'Inspired Teachers Network' (ITN) for improving the Visitor-University interface within the existing statutory framework after the recommendations of the one- day conference of VCs of Central Universities held at Rastrapati Bhawan on February 5, 2013. It will

promote periodic interaction between Visitor and the inspired teachers and innovators. Exceptional students from the University have an opportunity to interact with Hon'ble Visitor (The President of India). The University has been using various tools like invited lectures by inspired teachers themselves in addition to other faculty members and other distinguished speakers to motivate young minds of the University for excelling in their academic endeavours.

7.3 Best Practices

Best Practice - I

Title: ICT for Effective Management of University Affairs

The role of information and communication technology (ICT) is of paramount importance in managing University affairs effectively, efficiently and in transparent manner. In view of the importance of ICT, the University has drawn its priorities on ICT infrastructure and is encouraging the use of ICT in a big way. It has proved as one of the best practices, which has definitely improved the work culture, efficiency and transparency in the interest of the end users.

* **Objective of the Practices**

- To ensure that the University leverages its ICT resources and capabilities to create an appropriate identity
- To ensure that all the stakeholders have access to timely and updated information.
- To provide an opportunity to all stakeholders (students, faculty, administrative staff and regulatory body) to interact for effective, efficient and better administration and management
- To initiate steps for bringing e-governance in the University's administration for planning, implementation and monitoring of programmes, projects and activities.
- Effective utilization of intellectual resources, minimizing wastage of time in exploring opportunities
- Any- time availability of desired knowledge
- Platform for sharing of ideas and techniques and amalgamating of knowledge resources
- Systematically building a huge database
- Nurturing of scholars and learners
- Support to all the learners or worker for any of their perceived learning needs
- Extensive leveraging of the advancement in the field of ICT for taking the resources to the door step of the learners
- Providing e-books, e-journals, utilizing the repository of the contents

* **The Context**

Multiple programs, expectations of the stakeholders and technology options make management of higher education sites a major challenge. Websites and information management system are high value assets and they should be given priority and actively managed instead of updating it in *ad-hoc* manner. Prospective students, employers, employees, parents, alumni, regulatory bodies and other stakeholders visit the website and it will be their first contact and impression of the University.

* **The Practice**

The University has recently taken several steps in leveraging ICT for University and knowledge management. It has initiated major practices for ensuring most effective management of University's affair

- The entire process of entrance examination (filling of application form, deposition of fees, issue of admit cards, results and mark sheets) is on-line in the University since 2010.
- The examination system of the University (end of semester examination and annual exam) has been fully computerized and the results, mark sheets can be accessed from the University's website
- The University has a Data Processing Centre (DPC), which is one of the best in its functioning. The main DPC has been implementing an efficient and transparent system, utilizing the state of art, information technology resources for effective information storage, retrieval and transfer mainly related with computerization of results, generation of mark sheets, degree *etc* of the various examinations conducted by the University.
- University conducts more than 240 examinations in an academic year and approximately two lakh candidates appear in the examinations. More than 3,000 question papers are set for 240 exams which are conducted at around 250 centres. Total numbers of examiners are around 10,000 and supporting staff of around 7,000. Approximately 40,000 degrees are prepared every year.
- DPC has successfully designed, developed, implemented and maintained computerized application software for Examination and Result Processing System (ERPS) for the University. UNEPS provides the option of scanning of photographs, signatures, students information using intelligent character recognition (ICR) technology, thus eliminating manual entry and ensuring accuracy and speed and a provision to print candidate's photograph and signature on admit card, attendance sheet, mark sheets, degree certificates, *etc*.

* **Evidence of the Success**

The revamped website and establishment of robust data processing centre has helped the University to acquire the following tangible and intangible benefits:

- Students, parents and faculty are benefited in getting every information on-line
- All the results of the University along with the mark sheets have been uploaded on the University's website which has directly benefitted the students. They can download all sorts of information/documents without going to an office
- All faculty members have uploaded their latest CV and resume on the University's website which has created visibility and provided them with a window to the world. Many have been appointed as experts in different committees, resource persons and as examiners of other institutions of National and international repute.
- On-line applications for admissions have resulted in significant saving of resources and have proven to be highly efficient

* **Problems Encountered and Resources Required**

The interface of the website can be further improved by making it more users friendly. A FAQ (frequently asked questions) facility can be provided to answer common questions asked by the users. More details regarding forthcoming conferences, available fellowships, announcements of UGC, DST, CSIR, DST Inspire scholarships. Faculty can be provided with links about calls for projects and research collaboration at national/ international level. More funds are required from the MHRD/ UGC making IT enabled University System more robust, efficient and effective.

Best Practice - II

Title: Strong Interface between University and Society

The University today holds the function of transmitting, discovering and distributing knowledge to society and adopting mechanisms that facilitate the transfer of knowledge. Therefore, one of the larger objectives of the university is to make knowledge a differentiating element within the society and the economy, since this motivates competition, creates wealth and employment and improves well being of the society. The HNB Garhwal University has been using its best practices utilizing the acquired knowledge in transferring it for the well being of the society. Most of the schools/ departments of the university are contributing significantly in strengthening the interface between University and the society.

* **Objectives of the Practice**

The basic objective of education is to have a strong interface between academics and society. The research output of the University should be utilized for the welfare of the society. The Hemvati Nandan Bahuguna Garhwal University is located in mountainous environment of economically backward area of the country. The people of the region are honest, simple, god fearing, economically weak and sustain their life in a harsh environment. The region is very rich in natural resources. Thus, any institution of higher learning has ample opportunity to contribute towards the improvement of the livelihood of the people in sustainable exploitation of the natural resources.

* **The Context**

Keeping in view the ecological setting of the catchment area of the University, faculty of the University identified the priority areas for promoting public awareness for ensuring public participation in addressing the issues faced by the society. These issues were identified as health and hygiene, problem of solid waste disposal, forest fire, climate change, deforestation, natural disasters, frequent earthquakes, disappearance of arts and traditional wisdom, unemployment, male migration, poverty and miserable conditions of under privileged section of the society and gender related issues.

* **The Practice**

The University employed best practices for addressing these burning issues faced by the society. The University conducted several outreach programmes and extended approach of 'Lab to Land' for tapping of natural resources for enhancing the livelihood of the people. These practices have been summarized under the following sectors.

• **Public Awareness of Environmental Issues**

The Department of Environmental Sciences (DOES) of the University conducts programmes on World Environment Day, Earth Day, Wetland Day, Water Day, Earth Hour, and International Ozone Day for promoting public awareness on environmental issues. The DOES has conducted many rallies, plantation programmes, *safai abhiyans*, (cleanliness drives), workshops, symposia, quiz competitions, poster presentations and extension programmes. These programmes have got wide publicity and very high appreciations in the print and electronic media. DOES organized a big *safai abhiyan* for removing plastic waste from the bank of Alaknanda, a parent river of the Holy River Ganga at Srinagar-Garhwal on 22-25 February, 2010.

• **Addressing Global Environmental Issues**

The University has addressed the global issue of climate change and contributed significantly. The Department of Environmental

Sciences organized a workshop for preparation of State Action Plan on climate change on May 07, 2011 at Dehradun with the collaboration of WWF-India and Govt. of Uttarakhand.

A workshop was also organized on Green Economy on June 05, 2012 by DOES. The Department of Adult Continuing Education and Extension conducted workshop on Forest fire: Problems and solutions in rural areas, at Malu Pani (Tehri Garhwal) which was very much appreciated by the people.

Public awareness programmes on adverse impact of global issues of population explosion and adoption of family planning was conducted in the villages of Kundi, Bakroad and Sabdarkhal in Pauri- Garhwal district on July 11, 2012 (World Population Day). The rural folks were sensitized in a big way.

- **Plantations on Community Land**

The Department of Forestry and Natural Resources of the University has undertaken massive plantation work on a 200 ha. of community land in Rudraprayag district during July- August 2009. The department has also conducted 24 awareness camps in the remote areas of districts of Pauri Garhwal and Tehri Garhwal for sensitizing the people for the plantation work and the importance of plantation

- **Lab to Land Programs**

The University has an Alpine Research Station at Tungnath (Rudraprayag district) at an elevation of 3,700 m above msl, and a sub-station Pothibasa (2,200 m above m.sl.). High Altitude Plant Physiology Research Centre of the University has transferred agrotechnology, commercial cultivation of high altitudinal medicinal plants especially *Picrohiza kurroa* (*Kutki*) at villages under the 'Lab to Land' approach. The Centre has also imparted training on conservation and cultivation of selected medicinal plants for farmers of three villages of Deval block of Chamoli district of Uttarakhand during October 8-9, 2012. The Centre has also given on-site training on cultivation of medicinal plants at Kotni village (Rudraprayag) on February 20, 2013.

- **People's Biodiversity Register (PBR)**

The preparation of the People's Biodiversity Register (PBR) at *Gram Panchayat* and block level is an important step under the Biological Diversity Act 2002 and Biodiversity Rules 2004. The rule under section 28, state that every local body shall constitute a Biodiversity Management Committee (BMC) for preparation of PBR within its area of jurisdiction. The PBR shall contain comprehensive information on availability and knowledge of biological resources, their medicinal or any other use. The PBR cannot be made without the technical advice of the experts from the academia. The Department of the Environmental Sciences of

the University extended technical expertise for preparation of 05 People's Biodiversity Registers of Khirsoo, Devalgarh, Sweet, Khola and Sumari gram panchayats of the Khirsoo block of District Pauri Garhwal, Uttarakhand during the period of 2011-12. These PBR were submitted to the office of the State Biodiversity Board of Uttarakhand and Khirsoo block itself. This was one of the most important contributions towards strengthening the interface between the University and the society.

- **Low Cost Earthquake Resistant Buildings**

The entire area of Uttarakhand is prone to seismicity and falls under the seismic zones IV and V. The Department of Rural technology of the University has organized a seven day intensive training programme for masons (*Raj Mistri*) on low cost earthquake resistant building technology in July 2009.

- **Preservation and Promotion of Traditional Arts & Culture**

The University has established a Centre for Folk Performing Arts and Culture for preserving, promoting the folk arts, folk lores, folk music, instrument and culture of Uttarakhand. The Centre regularly conducts programmes on the promotion of traditional arts and culture.

The University has a famous Museum of Himalayan Archeology, Ethnology Cultural Heritage, which was established in 1980. It has 14 galleries for displaying of antiquities, excavation findings, terracotta art, bronze sculptures, coins, painting, inscriptions and rich ethnographic artifacts. The museum has been visited by many distinguished people and the general public. It preserves and show cased the Himalayan cultural heritage, traditional folk and arts from past to present. It has also a rich collection of old manuscripts. Recently, the museum has been shifted to a new building at Chauras campus as unprecedented rain during June 2013 substantially damaged the old building due to mud slide.

The 'Museum of Himalayan Cultural Heritage' in the Department of Anthropology houses artifacts depicting different dimensions of tribal culture of the region.

- **Dialogue with the Society**

The Centre for Journalism and Mass Communication of the University has been doing excellent work in establishing dialogue with the society. The centre also organizes several programmes in environmental communication and reporting and highlighting the burning issues faced by the people of the Uttarakhand. The Centre's major tool of communication with the society is the publication of a monthly journal '*Sanchar Tatva*', which has wide circulation.

- Active Participation of University in Social Works**
 The Department of Sociology and Social Works (DOSSW) of the University has been very active in sensitizing the society on contemporary social issues and promoting public awareness for ensuring their active participation in addressing these social issues. The Department has organized a one-day workshop on the Role of Police, Social workers and Advocates in the control of crimes in the society on October 17, 2012. The DOSSW arranged a big programme on the role of voluntary organizations in the development on November 2012. A programme on the role of Panchayats in the development was also organized on March 11, 2013. DOSSW also organized a public awareness programme on World AIDS Day (Dec. 01, 2013).
 The Department of Sociology and Social Works has organized three major programs in the year 2014. Role of community in the conservation of forests was organized on January 18, 2014. The voters Awareness Program was organized in Bagwan, Tehri Garhwal on February 23, 2014. International Women Day was celebrated in way on March 8, 2014. These programmes have created a strong interface between University and society.
- Orientation for Gram Panchayat Functionaries**
 The Department of Political Sciences of the University regularly conducts orientation programmes for the newly elected members of the Panchayati Raj institution of the Garhwal region. Orientation programme of the newly elected members of Panchayati Raj institution organized by the Department of Political Sciences during 04-05 March 2009 at Rath, Paithani, Pauri district was a great success.
- Imparting Training for Health Workers**
 The Department of Psychology of the University has conducted trainings for FICTC counselors/ANH/staff nurses in counseling the patients suffering from psychological disorders in three years successively, during 2011-2013 (24-28 September 2011, 10-14 September 2012, 5-7 & 12-14 February 2013).
- Community College**
 The University has recently introduced the concept of community colleges of the university. Under this programme, the University has started two skill oriented mechanical engineering programs of 04 Semesters (24 months) in machining and welding. It has a direct relevance to the community.
- Training / Skill Development**
 The University has also used its expertise in skill development of local community for ensuring their livelihood. Centre for Mountain Tourism and Hospitality Studies (CMTHS) has conducted an intensive skill development training of local craftsmen of Ghuttoo

region, of Bhilangna Valley, Uttarakhand during 28-29, June 2011. The Centre also conducted seven-day tourists guide programme for 30 unemployed youths of Chamoli district and issued Tourist's Guide license to them for acting as professional guides. The centre has also organized training programs for managers of guest houses of Badri Kedar Temple Committee during May 11-12, 2013. Department of Business Management has also organized a program on capacity building through packaging for group of farmers on March 10, 2013.

To supplement the livelihood of the hill folks, the Department of Botany under a DBT project has imparted training especially to hill women on 'Modern Aspects of Bee keeping' by organizing camps at Govt. Apiculture Centre, Jyolikot, Nainital (May 16-20, 2013) and Village Dhankot, Rudraprayag (July, 27-29, 2013).

- **Outreach and Training Programmes (Gender Related Issues)**

The Centre for Women Studies of the University has been instrumental in raising gender related issues and sensitizing the community. The Centre has organized a field meeting and interaction with woman representatives and school students at Tharali and Gwaldam. Centre has produced a documentary film in Hindi with English subtitles on the life style of Hill women.

- **Remedial Coaching for Under Privileged**

The University has been running a remedial coaching cell for contributing towards social / equality and socio-economic mobility of the under privileged sections of the society (Scheduled Caste, Scheduled Tribes and Minorities) for bringing them to the main stream. This cell has been assisting them in academics, improving language and communication skills and raising the level of comprehension.

- * **Evidence of the Success**

Evidences of the success for the best practices employed in various sectors for strengthening interface between University and society have reflected in terms of tangible outcomes of the targets/ benchmarks fixed and reviewing the progress / results of the work done by the University

- There is a significant improvement in environmental awareness among the public in and around the catchment area of the University. There is tangible improvement in the cleanliness in the campus and the banks of the Alaknanda river.
- State Action Plan on Climate Change has already been prepared by the Govt. of Uttarakhand
- There is more than 80% survival of the plantations undertaken by the University, which is a clear indicator of the success of the practices

- Lab to Land programme conducted has got a great success in the area and has got acceptability in the society. More than one lakh seedlings of Tejpat (*Cinnamomum tamala*) have been distributed/planted with the help of HRDI/Line departments/Schools/NGOs/ Individual farmers under SMPB/HRDI sponsored R&D project to disseminate research output.
- Several programmes conducted under social works got recognized by the cross section of the society and improved the interface between University and society.
- Students of the University are also attracting for taking up the issue of strengthening interface between University and society. Creation of a separate youth club by the motivated and inspired students is the outcome of this practice. The youth club is conducting mass constructive social activities and making sincere efforts for preserving traditional arts and culture.

* **Problems Encountered and Resources Required**

There have been several problems encountered during the practices of strengthening interface between University and society. These are enumerated as follows:

- It was very difficult to establish communication with the society for convincing them for ensuring their active participation in the programme. It needs extra efforts, resources, man power and time.
- Sensitizing the society for undertaking *safai abhiyan* (cleanliness drive), public awareness on environmental and social issues is a difficult task.
- For conducting outreach programmes at a remote programme needs funds for transportation, food and logistics. Therefore, it was very difficult to generate funds for undertaking the programmes.
- For performing all the above activities, additional resources and funds are required for continuing and maintaining the active and strong interface between the University and society.

ANNEXURES

23226733/ 23239437/23219733 23212701
23237721/ 23237317/23234116/ 23236351UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110002विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली - 110 002All communications should be addressed to
the Secretary by designation and not by name

No.F.65-6/2012 (CU)

14th October, 2014The Director
National Assessment and Accreditation Council
P. O. Box No. 1075, Nagarbhavi
Bangalore -560072, Karnataka, India

14 OCT 2014

Sub: Clarification on requirement of 12B Certificate for applying the NAAC accreditation.

Sir,

As you are aware, UGC (Mandatory Assessment and Accreditation of Higher Educational Institutions) Regulation, 2012, which under Clause 7.1 specifies that financial assistance by the UGC to Institutions of Higher Education shall be given only to those institutions which have undergone assessment and accreditation process stipulated under the Regulations. The matter was considered by the Commission in its 496th meeting held on 29th November, 2013 in which the Commission, after deliberating the matter decided that in the interest of survival and day-to-day functioning of Universities/Institutions dependent on UGC, funds may continue to be disbursed to such Universities/Institutions under the existing schemes. However, all such Universities/Institutions referred to in Regulation 4 of the aforesaid Regulations and received financial assistance from the UGC must apply to the recognized Accreditation Agency latest by 1st June, 2014; failure to do so may lead to discontinuation of financial assistance by the UGC to such Universities/Institutions from 1st April, 2015 onwards.

UGC is receiving requests from Central Universities for 12B Certificate for applying the NAAC accreditation. In this regard, it is to inform that as the Central Universities are created by the Act of Parliament, there is no separate process for inclusion of Central Universities under 12B. Central Universities are 100% funded by Govt. of India. Therefore, it is clarified that there is no need to furnish the copy of 12B Certificate for applying the NAAC accreditation by the Central Universities.

Yours faithfully,

Rathore
14.10.2014
(Sushma Rathore)
Under Secretary

Copy to: Vice-Chancellor, H.N.B. Garhwal University, Srinagar, Garhwal-246 174, Uttrakhand in
reference to letter No.VC/2014/356 dated 01.10.2014.



ole

Rathore
14.10.2014
(Sushma Rathore)
Under Secretary

ANNEXURE - II

DEPARTMENT	COURSES OFFERED	
SCHOOL OF AGRICULTURE AND ALLIED SCIENCES		
Department of Forestry & Natural Resources	1.	B.Sc. in Forestry
	2.	M. Sc in Forestry
High Altitude Plant Physiology Research Center (HAPPRIC)	3.	M.Sc. in Medicinal & Aromatic Plants
	4.	M.Phil. in Environmental Plant Biology
Horticulture	5.	B.Sc. in Horticulture
	6.	M. Sc in Horticulture
Rural Technology	7.	M.Sc. in Rural Technology
Seed Science & Technology	8.	M.Sc. in Seed Science & Technology
SCHOOL OF SCIENCES		
Chemistry	9.	B.Sc. in Chemistry
	10.	M.Sc. in Chemistry
Home Science	11.	B.A. in Home Science
	12.	M.A. in Home Science
Mathematics	13.	B.Sc. in Mathematics
	14.	M.Sc. in Mathematics
	15.	B.A. in Mathematics
	16.	M.A. in Mathematics
Physics	17.	B.Sc. in Physics
	18.	M.Sc. in Physics
Pharmaceutical Science	19.	B. Pharma.
	20.	M. Pharma in Pharmaceutics
Pharmaceutical Chemistry	21.	M.Sc. in Pharm. Chemistry
Statistics	22.	B.Sc. in Statistics
	23.	M.Sc. in Statistics
	24.	B.A. in Statistics
	25.	M.A. in Statistics
SCHOOL OF COMMERCE		
Commerce	26.	B.Com.
	27.	M.Com.
	28.	Diploma in Advertising, Sales Promotion & Sales Management (DASPSM)
	29.	PG Diploma in Business Administration
Secretarial Practices	30.	PG Diploma in Company Administration
SCHOOL OF EARTH SCIENCES		
Defense & Strategic Studies	31.	B.Sc. in Defense & Strategic Studies
	32.	M.Sc. in Defense & Strategic Studies
	33.	B.A. in Defense & Strategic Studies
	34.	M.A. in Defense & Strategic Studies
Geology	35.	B.Sc. in Geology
	36.	M.Sc. in Geology
Geography	37.	B.A. in Geography
	38.	M.A. in Geography
	39.	B.Sc. in Geography
	40.	M.Sc. in Geography
Remote Sensing and GIS	41.	M.Sc. in Remote Sensing & GIS Application
SCHOOL OF EDUCATION		

Adult Continuing Education & Extension	42	Master in Extension Education
Education	43	B.Ed.
	44	M.Ed.
	45	M.A. in Education
Naturopathy & Yoga	46	M.A. Yoga & Alternate Therapies
	47	P.G. Diploma in Yogic Science
Physical Education	48	B. P. Ed.
SCHOOL OF ENGINEERING & TECHNOLOGY		
Computer Science and Engineering	49	B.Sc. Computer Science
	50.	M.C.A.
	51.	B. Tech. in Computer Science & Engineering
Electronics and Communication Engineering	52.	B. Tech. in Electronics & Communication Engineering
Instrumentation Engineering	53.	B. Tech. in Instrumentation Engineering
Mechanical Engineering	54.	B. Tech. in Mechanical Engineering
	55.	Certificate in Machining
	56.	Certificate in Welding
Information Technology	57.	B. Tech. in Information Technology
SCHOOL OF ARTS, COMMUNICATION AND LANGUAGES		
Drawing& Painting	58	B.A. in Drawing & Painting
	59.	M.A. in Drawing & Painting
	60.	Certificate in Screen Painting
	61.	Diploma in Textile Designing & Painting
	62.	Diploma in Photography
	63.	Certificate in Photography
	64.	Diploma in Art Education (Drawing & Painting)
Center for Journalism & Mass Communication	65.	B.A. Journalism & Mass Communication
	66.	M.A. Journalism & Mass Communication
English, Modern European and other Foreign Languages	67.	B.A. in English
	68.	M.A. in English
	69.	M. Phil. In English
	70.	Certificate in Spoken English
Centre For Folk Performing Arts and Culture	71.	M.A. in Theatre
	72	Diploma in Folk Music of Uttarakhand
	73.	Diploma in Folk Dance of Uttarakhand
Hindi and Modern Indian Languages	74.	B.A. in Hindi
	75.	M.A. in Hindi
Library & Information Science	76.	B. Lib. & Information Science
Music	77.	B.A. in Music
	78.	M.A. Music Classical (Vocal)
	79.	M.A. Music Instrumentation (Tabla)
Sanskrit	80.	B.A. in Sanskrit
	81.	M.A. in Sanskrit
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES		
Anthropology	82	B.Sc. in Anthropology
	83.	M.Sc. in Anthropology
	84.	B.A. in Anthropology
	85.	M.A. in Anthropology
Economics	86.	B.A. in Economics
	87.	B.Sc. in Economics
	88.	M.A. in Economics

History including Ancient Indian History Culture & Archaeology	89.	B.A. in History
	90.	M.A. in History
	91.	M.A. in Archaeology
Philosophy	92.	B.A in Philosophy
	93.	M.A. in Philosophy
Political Science	94.	B.A. in Political Science
	95.	M.A. in Political Science
	96.	PG Diploma in Human Rights & Val. Ed.
Psychology	97.	B.A. in Psychology
	98.	M.A. in Psychology
Sociology & Social Work	99.	B.A. in Sociology & Social Work
	100.	M.A. in Sociology
	101.	Master in Social Work (MSW)
SCHOOL OF LAW		
Law	102.	L.L.B.
	103.	L.L.M.
SCHOOL OF LIFE SCIENCES		
Botany & Microbiology	104.	B. Sc. in Botany
	105.	M.Sc. in Botany
	106.	B.Sc. in Microbiology
	107.	M.Sc. in Microbiology
Biochemistry	108.	B.Sc. in Environmental Science
Environment Science	109.	M.Sc. in Environmental Science
	110.	Advance PG Diploma in Environmental Economics
Zoology and Biotechnology	111.	B.Sc. in Zoology
	112.	M.Sc. in Zoology
	113.	Integrated 5 years Program M.Sc. Biotech.
	114.	M.Sc. in Biotechnology
	115.	M.Sc. Himalayan Aquatic Biodiversity
SCHOOL OF MANAGEMENT		
Business Management	116.	B.B.A
	117.	M.B.A.
Center for Mountain Tourism & Hospitality Studies	118.	M.B.A (Tourism & Travel Management)
	119.	PG Diploma in Tourism & Hoteliering
	120.	B.H.M.
SPECIAL CELLS AND CENTRES		
Women's Studies Centre	121.	P.G. Diploma in Women Studies

LIST OF DEPARTMENTS OFFERING PH.D.

SCHOOL OF AGRICULTURE AND ALLIED SCIENCES		
Department of Forestry & Natural Resources	1.	Ph.D. in Forestry
High Altitude Plant Physiology Research Center (HAPPRC)	2.	Ph.D. in Plant Physiology
Horticulture	3.	Ph.D. in Horticulture
Rural Technology	4.	Ph.D. in Rural Technology
Seed Science & Technology	5.	Ph.D. in Seed Science & Technology
SCHOOL OF EARTH SCIENCES		
Defense & Strategic Studies	6.	Ph.D. in Defense & Strategic Studies
Geology	7.	Ph.D. in Geology
Geography	8.	Ph.D. in Geography
SCHOOL OF LIFE SCIENCES		
Botany & Microbiology	9.	Ph.D. in Botany Microbiology
	10.	Ph.D. in Microbiology
Environment Science	11.	Ph.D. in Environment Science
Zoology and Biotechnology	12.	Ph.D. in Zoology and Biotechnology
	13.	Ph.D. in Biotechnology
SCHOOL OF SCIENCES		
Chemistry	14.	Ph.D. in Chemistry
Home Science	15.	Ph.D. in Home Science
Mathematics	16.	Ph.D. in Mathematics
Physics	17.	Ph.D. in Physics
Statistics	18.	Ph.D. in Statistics
SCHOOL OF ENGINEERING & TECHNOLOGY		
Computer Science and Engineering	19.	Ph.D. in Computer Science and Application
SCHOOL OF ARTS, COMMUNICATION AND LANGUAGES		
Drawing & Painting	20.	Ph.D. in Drawing & Painting
Center for Journalism & Mass Communication	21.	Ph.D. in Mass Communication
English, Modern European & other Foreign Lang.	22.	Ph.D. in English
Hindi and Modern Indian Languages	23.	Ph.D. in Hindi
Sanskrit	24.	Ph.D. in Sanskrit
SCHOOL OF HUMANITIES AND SOCIAL SCIENCES		
Anthropology	25.	Ph.D. in Anthropology
Economics	26.	Ph.D. in Economics
History including Ancient Indian History Culture & Archaeology	27.	Ph.D. in History
	28.	Ph.D. in Archaeology
Philosophy	29.	Ph.D. in Philosophy
Political Science	30.	Ph.D. in Political Science
Psychology	31.	Ph.D. in Psychology
Sociology & Social Work	32.	Ph.D. in Sociology
	33.	Ph.D. in Social Work
SCHOOL OF COMMERCE		
Commerce	34.	Ph.D. in Commerce
SCHOOL OF EDUCATION		
Adult Continuing Education & Extension	35.	Ph.D. in Extension Education
Education	36.	Ph.D. in Education
SCHOOL OF MANAGEMENT		
Business Management	37.	Ph.D. in Business Management

PHARMACY COUNCIL OF INDIA

(Constituted under the Pharmacy Act, 1948)

TELEGRAM : 'FARM COUNCIL'

TELEPHONE : 23239184,

23231348

FAX No. : 011-23239184

Combined Councils' Building,

Temple Lane, Kotla Road

Aiwan-E-Ghalib Marg

Post Box No.7020

NEW DELHI - 110 002

Ref.No.32-198/2012-PCI

Regd./Confidential

The Principal
 Department of Pharmaceutical
 Sciences H.N.B Garhwal University,
 Srinagar
Garhwal - 246 174 (Uttarakhand)

1, JUN 2015

Sub: PCI-Observations on the 6th Inspection Report (May, 2015) of the Degree Course and exam. in Pharmacy.

Sir

With reference to the correspondence on the subject cited above, please find enclosed herewith a copy of the 6th Inspection Report of the Degree Course in Pharmacy of your institution conducted by Shubhini A. Saraf & Sh. T.S. Easwari on behalf of this Council on 20th & 21st May, 2015.

Kindly rectify the shortcomings reflected in the enclosed Inspection Report and submit compliance with documentary evidence within 20 days of the issuance of this letter in the following format -

**PROFORMA FOR SUBMISSION OF COMPLIANCE TO
 THE PHARMACY COUNCIL OF INDIA**

Deficiencies to be rectified as per the enclosed Inspection Report.	Action taken by the instt. to rectify the deficiencies.
1.	
2.	
3.	
and so on.	

Please note that the compliance submitted in the format other than prescribed above will not be entertained by the Council. Hence please ensure to submit compliance in the above prescribed format only.

Kindly acknowledge its receipt.

Yours faithfully

Rani Swz

(ARCHNA MUDGAL)
 Registrar-cum-Secretary

Encl: as above

Copy with a copy of the Inspection Report is forwarded for information and necessary action, as above to -

The Registrar
 HNB Garhwal University,
 (A Central University) Srinagar,
Garhwal - 246 174 (Uttarakhand).

(ARCHNA MUDGAL)
 Registrar-cum-Secretary

D.O.P.S / 2690 / 8.7.15

To
Mrs. Archana Mudgal
Registrar-cum- Secretary
Pharmacy Council of India,
Combined Councils Building, Kotla Road
Awain-E-ghalib Marg, Post Box No. 7020,
New Delhi-110002

Subject: Compliance report as per PCI-Observations on the 6th inspection report (May, 2015)

Your reference letter no. 32-198/2012-PCI/7112-13 dated 01.06.2015

Respected Madam,

With reference to matter cited in the subject, here is the compliance report as per the standard format of your good office.

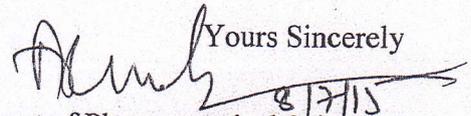
Deficiencies to be rectified as per the enclosed inspection report	Action taken by the Institute to rectify the deficiencies.
1. Five labs to be furnished (only construction complete)	Construction of five labs are complete in separate block of Pharmaceutical Sciences building. It is to be formally handed to the Department by the construction company (UP Rajaya Nirman Nigam, Lucknow). After the process is over all labs shall be furnished at the earliest. (Instruments, Chemicals and Glassware for furnishing the labs has already been procured). (Annexure-I)
2. Computer lab to be furnished and computers installed	We are in Central University System, having multi disciplinary departments. Over here centralized computer facilities having more than 100 terminals are available for students use. Even then the Department of Pharmaceutical Sciences has one big computer lab of seating capacity of 60 students exclusively for B. Pharm students are available and for furnishing the same work order is placed to UP Rajaya Nirman Nigam, Lucknow. After it is completed new computer of latest configuration shall be installed. Right now the department has 20 Computers. (Annexure II)

<p>3. Deficiency of equipments in numbers</p>	<ol style="list-style-type: none"> 1. Refrigerated Centrifuge, Muffle Furnace, Sonicator (Order placed) 2. Orbital shaker, Mechanical stirrer (purchased) 3. Plethysmograph (Old instrument got repaired and request the competent authority for new one) 4. Fluorimeter (requested the competent authority for new one) 5. Laminar Air flow (Old Laminar Air flow unit got repaired and installed at proper place and request the competent authority for new one for installing at new building) 6. Brookefield viscometer, HPLC (Requested the competent authority for the purchase) <p>(Approval for the purchase of the items are granted by the competent authority of the university)</p> <p style="text-align: right;">(Annexure III)</p>
<p>4. For B. Pharm., 04 faculty are short</p>	<p>The department is having 22 posts for the permanent faculty (03 professors, 06 Associate Professors, 13 Assistant Professors). After the existence of this University as Central University, all efforts are made by the university to fill permanent all vacant post of the Department of Pharmaceutical Sciences. (Copy of the advertisement is enclosed as Annexure IV).</p> <p>This time the department of Pharmaceutical Sciences have 14 + 04 (others) faculty members to teach various courses of B. Pharm.</p>
<p>5. Application for CPCSEA for registration to be sent.</p>	<p>For practical purposes at B. Pharm. level use of animal for experimentation are banned (letter enclosed as Annexure V). However, department wishes to make better practical exposure among the UG students for good knowledge. For this all facilities varying from the procurement to the end use of animals for practical purposes, state-of-art animal house are designed and</p>

one floor of the same have been constructed (designed lay out is enclosed as **Annexure VI**). Before this the process is initiated to apply to the CPCSEA for the registration.

It is submitted to your good office for kind consideration and necessary action please.

Thanking You

 Yours Sincerely

Head, Department of Pharmaceutical Sciences,
HNB Garhwal University (A Central University),
Srinagar- Garhwal Pin-246174, Uttarakhand



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Hemwati Nandan Bahuguna Garhwal University
Srinagar (Garhwal) Uttaranchal as*

Accredited¹

at the B⁺⁺ level².

(among the Universities)

Date: March 21, 2003



Unalrai
Director

1. This certification is valid for a period of *Five* years with effect from the academic year 2002 - 2003.
2. An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C^{*} grade, 65-70 - C^{**} grade, 70-75 - B grade, 75-80 - B^{*} grade, 80-85 - B^{**} grade, 85-90 - A grade, 90-95 - A^{*} grade, 95-100 - A^{**} grade (upper limits exclusive).

DRAFT REPORT
ON
INSTITUTIONAL ACCREDITATION

OF

**HEMWATI NANDAN BAHUGUNA GARHWAL
UNIVERSITY**

Srinagar (Garhwal)
Uttaranchal

Visit dates
December 10th-13th, 2002

National Assessment and Accreditation Council
Bangalore

**REPORT ON INSTITUTIONAL ACCREDITATION OF
H.N.B. GARHWAL UNIVERSITY , SRINAGAR (GARHWAL)**

1. Introduction

Hemwati Nandan Bahuguna Garhwal University was established as a State University in November, 1973, at Srinagar in the Garhwal Himalayan region which forms a major part of the newly created state of Uttaranchal. A College that was established in 1962 and affiliated to Agra University was developed as a University in response to a long-standing popular demand by all sections of the people of Garhwal for higher educational facilities. Besides the main campus at Srinagar, there are 2 satellite campuses, one each at Tehri and Pouri. A new campus is now being developed at Chauras.

The H.N.B. Garhwal University was established with the objective of social, economic, and cultural growth of the Himalayan region. The main thrust of the University is "to gear up its teaching and research activities for the developmental needs and to protect the fragile Himalayan ecosystem and traditional cultural practices".

In pursuance of its goals and mission, the University has established over the years, 37 academic departments under 7 Faculties with a total of 78 courses (UG, PG, Diploma & Certificate, Doctoral & Post-doctoral) in various disciplines in humanities, social sciences, commerce, performing arts, agricultural sciences, natural and biological sciences etc.. 47 Government-aided colleges and 28 private professional institutions are affiliated to the University. 9 Research Institutes / Centers are also recognized by the University .

The University has 251 'permanent' teachers, 15 'temporary' teachers and about 100 part-time teachers. The total number of students in all courses is about 7900 including 500 from other states. The number of female students is about 3% higher than that of male students. There is no student in the NRI and overseas categories. The

average teacher-student ratio (including temporary and part-time teachers) comes to 1:21.6. There are 490 administrative staff and 67 technical staff in the University .

Located in a region characterized by a number of economic-geographic factors not always favorable for economic development, the University, during the three decades of its existence, has played a very crucial role in imparting quality and vocational education to the youth of the region to help them earn their livelihood mainly through self-employment. The University has also been aware of its responsibility in matters of preservation and promotion of the cultural heritage of the region.

The University submitted its Self-Study Report (SSR) to the National Assessment and Accreditation Council (NAAC), Bangalore, and offered itself for assessment and accreditation. The Council then constituted a Peer Team consisting of Prof. (Dr.) Bharati Mukherjee, Vice-Chancellor, Rabindra Bharati University, Kolkata as Chairperson, and Prof. Bhupinder Brar, Department of Political Science, Punjab University, Chandigarh, Prof. Pulak Lahiri, Department of Zoology, Calcutta University, Prof. P. S. N. Reddy, Department of Chemistry, Osmania University, Hyderabad, Prof. Lalit Mangotra, Department of Physics, University of Jammu, and Prof. A.K. Sarala, University College for Women, Osmania University, Hyderabad as Members for on-site visit to the University and validation of the SSR. The visit was coordinated by Mr. B.R. Manjunath, Academic Consultant, NAAC.

The Peer Team visited the University during 10th – 13th December, 2002 to validate the Self-Study Report submitted by the University. Besides the main campus at Srinagar, the Peer Team visited the other two satellite campuses at Tehri and Pauri and also the new campus under construction at Chauras. Prior to the institutional visit, the Team went through and analyzed carefully the Self-Study Report submitted by the University. During the visit, the Team went through all the relevant documents, visited all the departments, academic as well as administrative. The Team also examined the support facilities, the academic, co-curricular, extra-curricular, sports, and extension facilities, medical and hostel facilities as offered by the institution. The Team interacted extensively with the Hon'ble Vice-Chancellor, the Deans, the members of the Executive Council, the faculty, the officers, non-teaching staff, students, parents, and the

Principals of affiliated colleges of the University. Based on the above exercise and keeping in mind the location and cultural specialties of the region where the University campuses are situated, the Peer Team assessed the institution in terms of the seven criteria identified by NAAC in order to ascertain the quality of education offered by it.

2. CRITERION – WISE ANALYSIS

Criterion I : Curricular Aspects

The Peer Team found that the University offers a very wide range of undergraduate, postgraduate and research as well as diploma programs. There are 44 Departments in the seven Faculties of Agriculture, Arts, Commerce, Education, Law, Non-Formal and Continuing Education and Science. While the University has retained a large number of traditional courses in the subjects, for which there continues to be considerable demand, it is commendable that the University has laid increasing emphasis on professional and job-oriented training by introducing new courses in fields such as Tourism, Business Management, Computers and Information Technology, Biotechnology, Forestry, Horticulture and Agriculture. What is to be particularly appreciated is the fact that most of these new courses seem to have been designed keeping in mind the specificity of the region and the potential therein for generation of employment.

The Peer Team took note of the fact that regular institutional mechanisms such as the Board of Studies monitor and update/ upgrade courses from time to time. However, the Team feels that the period of five years for undertaking thorough review is perhaps a little too long in a fast changing world of science, technologies and ideas. The University may be well advised to undertake this exercise at least once every two years, as is indeed the practice in most of the leading Universities of the country.

The Team found that most Departments of the University are in the process of incorporating the course contents suggested by the UGC expert committees. While a small number of Departments have shown exceptional initiative and have already

implemented the changes, others are in the process of implementing them from the coming academic session, 2002-2003.

The Team found that some Departments were paying somewhat inadequate attention to the need for including complete and updated lists of readings and reference materials. It found that in these cases, while the courses had been ostensibly revised in the last two or three years, the lists of readings made no reference to the literature produced in the field in the last two decades and more.

The Team found that the number of options and non-elective courses, actually in operation, is rather low. This is a result obviously of the fact that the number of faculty in most Departments is inadequate and burdened with the teaching of unmanageably large set of undergraduate and postgraduate courses.

The Team also felt that with a large number of new areas that are now being incorporated as a result of UGC guidelines, the expertise of the existing teaching staff has to be augmented, and perhaps avenues found for making additional appointments.

The Team also felt that the present collection of the University Library is clearly inadequate for running the new courses. The University will have to find resources to make substantial additions to its existing collection.

Criterion II : Teaching – Learning and Evaluation

Established in the hilly and remote area, the HNB Garhwal University is catering to educational, developmental, cultural and ecological needs of the area and is rendering yeomen service to the people of the region for the last 30 years. Some of its commendable features are mentioned below.

Student admission is based on combined consideration of academic records, special entrance tests and interviews. Examination system is computerized. The academic sessions of the University are regular and University has been honored twice by the State Government for its overall performance including timely admission, examination and publication of results. Some of the Science departments have good collection of books and journals on various subjects. Sixty two percent of the faculty have at least one step

higher qualification than the mandatory minimum level. Some of the faculty have participated in refresher courses, national and international seminars and conferences. The syllabus is updated every 5 years by many departments; however, the updating of syllabus in the Department of Education is long overdue. The Department of Zoology is offering two PG courses (advanced zoology and biotechnology), standards of which are very high. The self-financed PG course in biomedical laboratory technology, offered by this department is quite popular and the placement record is very good. Indeed, in many departments, the Peer Team found highly qualified and dedicated teachers who are active in both quality teaching and research. The university may feel proud of them.

The teaching-learning and evaluation system as practiced in the University is satisfactory. The University has a modern outlook and adopts new curricula and activities as and when needed. It promotes a number of social and interactive processes. Its program of Adult Continuing Education and Extension maintains a meaningful linkage between the University and the community representing especially the economically backward and weaker sections of the society including women. The Department of Zoology is also rendering good diagnostic service related to thyroid functions and reproductive hormone assay at quite low cost for the people of this area. However, there are certain areas which need to be initiated and strengthened. The University does not have an Academic Staff College. There is no bridge course for students studying interdisciplinary subjects. The presently prevailing system of backpaper examinations may be discontinued as it leads to tremendous loss of academic days with no commensurate meaningful gains, and in its place system of revaluation of answer scripts may be considered. The satellite campuses at Pauri and Tehri may be strengthened in regard to both manpower and infrastructure.

Thirty percent of the allotted teaching posts are vacant till date, mostly in the Science and Agricultural faculties. The student-teacher ratio in many departments is not very favorable. The University may consider approaching the State Government authorities to remedy the situation. In this regard, the Peer Team strongly feels that in the interest of healthy academic growth the practice of appointing adhoc teachers may be discouraged, and essential steps expedited to appoint regular staff.

Though in spite of a clear mention in the University statute, the medical and engineering faculties are yet to be established. Priority should be given in establishing departments like biotechnology/molecular biology, microbiology and biodiversity. Being in an earthquake prone area, there is a need in the University for creation of crisis and disaster management cells.

Criterion III : Research, Consultancy & Extension:

The research activity in some of the University departments at Srinagar, Tehri and Pauri Campuses is quite impressive, in spite of the circumstances in which they are forced to work and the constraints experienced in terms of space, equipment, access to literature etc.. The Peer Team is happy to note that all the 7 faculties – Agriculture, Arts, Commerce, Education, Law, Non-Formal and Continuing Education, and Science - are contributing to this research culture, though in different degrees. The faculties have identified several thrust areas for research, which have relevance to the regional development and contemporary scientific advancement.

Among the 37 departments spread over seven faculties, the departments like History, Zoology, Physics, Forestry and Agriculture, Geology, Chemistry, Botany and Environmental Science are doing quality research whereas the contributions of mathematics, Home Science, Computer Science, Business Management, Music, Drawing & Painting, Statistics, Pharmaceutical Science, do not match the same standards.

The two departments – Zoology and History have been recognized for DSA under UGC-SAP program and COSIST. The department of Physics participates in the FIST program. While the Peer Team congratulates these departments for their achievements, it is of the opinion that others also have the potential to qualify for such recognition, and may be encouraged to apply. The Peer Team opines that a Dean (research)/senior faculty member may be appointed to monitor research matters exclusively and for liaison between the Postgraduate Departments and the funding agencies.

The Peer Team appreciates the good work being carried out in the High Altitude Plant Physiology Research Centre (HAPPRC), an autonomous centre of the University.

The Center's mission of studying the eco-physiology of high altitude medicinal plants and mountain trees and collection of their germ-plasm, is being translated into action. The Centre has established the country's first Alpine garden for the medicinal plants. This work has social relevance and helps the farmers of the region.

In the past two years, 42 research projects (Agriculture 5, Arts 15, Commerce 5, Adult Continuing Education and Extension 1, Science 16) with a total outlay of Rs 190 lakhs were completed. The projects from Science and Agriculture faculties together account for Rs 155 lakhs. At the moment, there are 56 ongoing research projects in the University (Agriculture 117, Arts 22, Commerce 3, Education 1, Adult and Continuing Education 1, Science – 18) with a total outlay of nearly Rs 350 lakhs. Some departments do not have a single project at the moment. Such departments need to improve their participation in research. Wherever there is a provision for overheads in the sanctioned projects by the funding agencies, the same may be utilized for the University services that facilitate implementation of these projects.

The number of research students currently registered for Ph.D. is about 250. Of these, some are NET qualified. In the past two years, 136 students received the Ph.D. degree. The average ratio of research scholars to faculty is 1:1, which is good. In the past five years, about 900 papers/books/articles were published in national and international journals. This amounts to less than one paper per teacher per year. This needs to be improved..

The University departments have some peripheral collaboration with institutes in India and Abroad, and signed two memoranda of understanding under NSFP program. The University offers consultancy on a very informal basis in a few areas, but no revenue has been generated so far from these activities. It may immediately formulate norms for consultancy and encourage its staff to focus attention on this important aspect of University research. The University may create a cell for this purpose and organize a workshop on the patents and intellectual property rights in order to create awareness among the faculty.

The University has been engaged in several extension activities. The department of Adult Continuing Education and Extension is doing some commendable job to

sensitize the rural people by conducting education/literacy campaign, and by continuing education courses, population education, training, and celebration of special days. This department is in fact acting as an interface between the University and the community in Garhwal region. The department of Agriculture organizes workshops for villages to educate them in various plantation technologies. Plantation has been established in community/private lands to serve as demonstration units. Medicinal plant demonstration units have also been established. HAPPRC has taken up, through transfer of technology approach, a major initiative for large-scale cultivation of the high altitude medicinal plants by farmers. A mechanism on grower-to-trader has been devised for ensured marketing of the raw material. The department of History has established a good archeological museum that is visited by students and public as well.

Criterion IV : Infrastructure and Learning Resources:

The University has three Campuses – The Birla Campus at Srinagar, Dr BGR Campus at Pauri and SRT Campus at Tehri - with headquarters located at Srinagar (Garhwal). A new Campus is under construction at Chauras as an extension to the one at Srinagar. A few PG Departments have already shifted there.

The physical facilities and infrastructure available at each of these three campuses are not adequate to meet the academic requirements of the courses offered and the large number of students enrolled at UG and PG level. The classrooms are inadequate and the teaching laboratories in the science subjects are over-crowded. This problem has been adequately redressed at the new campus at Chauras by providing ample space for classrooms and laboratories with adequate infrastructure. The Peer Team concluded that several of the academic and administrative compulsions in the past have led to this situation. Though the University has a Cell to maintain the infrastructure, its functional face is not very much visible in the old campuses.

Each of the three campuses has a central library, and an advisory committee monitors its functioning. The library at Srinagar Campus has 1,08,897 books, 1801 theses, 175 maps, and 1807 journals. The library is kept opened between 8 am – 8 pm.

everyday, and the reading room facility is adequate. It also has book-bank facility with 4650 books, but the Peer Team was informed that this facility is dysfunctional for several years for reasons other than academic. This facility should be revived. Some effort was initiated to computerize the data, but the pace is slow. There is no Internet facility in the library. At Tehri, the library has about 7,000 books and is not subscribing to any journals now. The library functions between 10 a.m. – 5 p.m. and is closed during holidays. It is a similar case at Pauri.

There is a Central Computer facility at Srinagar Campus, established in 1986. The same is not available at other campuses. The Centre is providing software support to accounts, administration and the examination sections. The Peer Team expects this Centre to play a bigger role in spreading computer culture to all teaching and non-teaching departments in the University, and also amongst the students and administrators. It is heartening to note that steps have been initiated for INFLIBNET connectivity in the campus.

Health care facilities in the campuses need to be strengthened. There is a “Health Centre” at the Srinagar Campus, with a medical practitioner working on part time basis at Srinagar campus. Similar facilities may be made available at other campuses as well. The Peer Team suggests that the University may initiate immediate steps to extend the facility of medical insurance to all the students in the three campuses.

The facilities and infrastructure for sports and physical education are fairly good at Srinagar Campus, but are restricted to indoor games at Tehri and Pauri Campuses. However, in the new campus at Chauras, there is one outdoor and two indoor stadia with all standard facilities. The students of this University are doing reasonably well in sports activities and winning prizes at Regional, State and National level competitions. The University may evolve, and adopt, a defined policy to encourage sports and games in all the three campuses.

There are a total of 8 hostels, 3 for boys (with an intake of 360) and 5 for girls (with an intake of 400). The boys’ hostels have no mess facility. They either cook in their rooms or eat out side. The Girls hostels have mess facility. If the University provides

good canteen facility in the campus, this problem will be minimized. At Chauras campus, a well furnished and adequately equipped hostel for girls has been constructed.

The University has a University Science Instrumentation Centre headed by a Professor.

The Peer Team understands that Heads, Deans, Vice-Chancellor, Executive Council and Chancellor of the University will look into the grievances of various constituents of the University. However, a formal 'Grievance redressal cell' constituted separately for teachers, non-teaching employees, women and students is desirable for speedy redress. The Teachers Welfare Fund meets the urgent needs of the teachers by loaning money at a nominal interest rate of 2 per cent.

Criterion V: Student support and progression

In order to provide full information to the prospective students, the university publishes its updated prospectus annually, which contains educational calendar, admission rules, eligibility, hostel facilities, details of courses offered, scholarships etc. To meet the vocational needs of the students and to generate finances the university is also running self-financing courses, the information of which is provided through pamphlets, leaflets and news papers.

The Peer Team appreciates the effort of the University in establishing employment cell with an employment officer to cater to the needs of career counseling and placement of students belonging to this University situated in a remote area.

The University offers financial aid to needy students and also to students belonging SC/ST/OBC categories. It is commendable that about 1000 students received financial aid last year under this program. The Team has been informed that efforts are on to provide employment to SC/ST candidates in compliance with norms.

The forum created in the University for promotion of cultural activities appears to be serving its purpose well as the University, in the year 2001 obtained 1st position in four competitions at the North Zone Youth Festival.

The absence of the mechanism for regularly collecting student feed back and having no Alumni Association is a handicap in planning the academic programs of the University, in addition to difficulties in creating reliable data base on the employment status of the ex-students. The University must create mechanism for collecting student feed back. Formation of an Alumni Association will not only help in the creation of a useful data base but may also help in raising funds for the development of the University.

Criterion VI : Organisation and Management

The management of the University is done by the various bodies and functionaries as per the University Act and Statues. The Peer Team appreciates the efforts of the University to improve the organisation and management through various measures, like introduction of the system of maintaining work-diary, surprise checking and imparting of computer training to the staff members.

The Peer Team noted that the University is taking appropriate care to ensure that the academic programmes are carried out in a time bound manner by preparing and including the Academic Calendar in the updated prospectus annually.

It is worth appreciating that there has not been even a single case of violation of code of conduct in the University in last three years, which speaks high of the sense of discipline and dedication on the part of the staff of the University.

The Peer Team commends the effort of the University in generating funds to the tune of Rs. 10 crore in the last year through initiating fund raising drives and introducing self financing courses.

However the Peer Team is concerned about a large number of the pending audit objections raised by the external Audit pertaining to the last year. Having no system of internal audit is also a matter of concern. The practice of internal audit should be activated.

The practice of maintenance of teacher diary may be introduced to regulate and improve academic programs. The University may put in more effort to monitor the academic functioning of the affiliated colleges on a regular basis to ensure that all

conditions and norms laid down by the University for according affiliation are being followed by the colleges. This function may be carried out by specially constituted inspection committees of senior academicians of the University through an appropriate mechanism to co-ordinate all such efforts and maintain the relevant records. The non-teaching staff should be exposed to regular administrative training programs in addition to appropriate computer training.

The University should seriously consider the provision of granting house building advance and medical reimbursement facility to its employees.

Criterion VII : Healthy practices

The self -study report and the visits indicate that the academic and a few extra curricular activities are conducted in a routine manner. Some of the features mentioned in the report viz. Team work, computerization, twinning program, weekly questions answer sessions, regular research presentations are to be strengthened. The university needs to have a mechanism for internal quality checks.

Regarding interactions with the industry & outside institutions, the university has established linkages through some of it's Departments like the Departments of Tourism, History and Zoology. The university has also been encouraging socially relevant activities to help the community through the following :

- 1- Adult Continuing Education and Extension, which educates and creates an awareness in the rural folk on various socially relevant issues.
- 2- The High Altitude Plant Physiology Centre, which educates the local farmers on certain aspects of rural farming.
- 3- The Department of Zoology, which offers specialized diagnostic facilities to individuals in the community.
- 4- The able and dynamic leadership of the Head of the Institution contributing to improvement of interpersonal relationships and harmonious atmosphere on the campus.

Keeping in view the importance of both mental and physical well being, the university offers a Diploma Course in Yoga for the benefit of students.

Section 3: Over all analysis

After going through the report prepared by the University and visit to various academic and support facilities, for a close interaction with different sections of the University, the Peer Team is impressed that the University under the able leadership of the Vice-Chancellor and his colleagues is clearly on the path of academic growth. The Peer Team fully endorses the perspective plan of action as presented by the Vice-Chancellor and firmly believes that the University will succeed in translating its vision and goals of teaching and research, (job orientation and value orientation, as mentioned by the Vice-Chancellor in the first meeting) into practice.

The Peer Team is happy to note that there are a number of commendable features in the approach and functioning of the University denoting a definite commitment to quality assurance in higher education. The Peer Team has identified certain commendable features of the institution as well as the issues of concern, for which the Peer Team has also offered some suggestions in the following pages for future development of the University:

Commendable features:

1. The Peer Team has noted that the University has the basic infrastructure and central facilities. Including computer facilities with INTERNET in some departments, sports facilities (indoor and outdoors), hostels (both for boys and girls) guest house, conference room, teaching aids like OHPs and slide projectors, staff quarters (both for teaching and non-teaching), canteen etc.
2. Extension activities carried by Adult and Continuing Education and Extension are really praiseworthy.
3. Performance of students in sports at state, regional and national levels is commendable

4. Welfare Fund for teachers is appreciated.
5. Special mention must be made of the cultural heritage museum maintained by the Department of History. Its standards are comparable to any modern National Museum.
6. The Peer Team also appreciates the excellent academic potential of the HAPPRC Departments of Tourism & Hospitality studies, History, Zoology, Botany, Physics, Environmental Science, Anthropology and Geology. The functioning of the Department of Business Management is noteworthy. The departments of History and Zoology are the two departments that have been sanctioned SAP & COSIST programs.
7. The academic and research activities and the publications by the teachers of some departments like Zoology, Physics, Geography, and Hindi at Tehri and Pouri campuses deserve special mention.
8. The Peer Team appreciates the fact that most of the new courses seem to have been designed keeping in mind the specificity of the region and the potential therein for generation of employment.
9. The Peer Team appreciates the sincerity and dedication of some faculty members who, despite inadequate infrastructure and staff are involved in research, supervision of Ph.D. students, publication of papers and other academic activities. The University authority may consider providing necessary infrastructure and staff to enable them to develop their departments further.
10. The Team wishes to place on record the fact that in the backdrop of geographical and social conditions of the region, the Vice-Chancellor, who was appointed only six months ago, is performing his role excellently, strictly following the Act, Statute, Rules & Regulations governing the University administration.

Suggestions by the Peer Team for consideration by the University –

Keeping in view the geographical location of the area and the distance of the satellite campuses, the reorganization of departments in the university is an imperative need.

- The Peer Team observes that several of the departments in the two satellite campuses are single person departments and are suffering from inadequate infrastructure. Therefore, the Peer Team suggests that while all undergraduate teaching may continue in the three campuses, the postgraduate courses may be reorganized in one of the following three manners:
 - a) All PG teaching is concentrated in one campus.
 - b) Each campus is allotted one or more faculty, not to be repeated in the other two campuses.
 - c) Each campus is allotted specific subject from within the faculty, not be repeated in the other two campuses.
- The Peer Team feels that a close liaison between all the three campuses is needed. The University authorities are requested to find out some effective mechanism for passing on information regularly to the departments, particularly to those that are situated in satellite campuses. The team further recommends sharing of resources, manpower and joint collaborative projects among all campuses so that all can grow in unison.
- Most departments are suffering from dearth of teachers. There are around 63 vacant teaching posts. The University authorities may take necessary steps to fill up vacancies as soon as possible instead of engaging part-time teacher on contract basis.
- For optimal utilization of available faculty strength, the Peer Team recommends setting up different schools of allied subjects so, that the expertise of teachers of various subjects are available and used by related departments.
- The “Department of Secretarial Practice”, offering a diploma course, may be brought under the commerce department. Also the departments of Mathematics

and Statistics may be combined. The Home Science Department, distributed on three campuses, may be combined and housed at one campus. In the absence of adequate infrastructure and faculty strength, the department of Home Science may be engaged only in UG teaching.

- Improvement of infrastructure including space, instruments etc. in certain departments like Home Science, Pharmaceutical Science, Statistics, Sanskrit etc. is essential. The Peer Team is also of the view that establishment of any new department without adequate number of teachers and proper infrastructure should be discouraged. Certain Departments have introduced electives for Post-Graduate course without adequate infrastructure and expertise. This practice needs to be discouraged. In the Chemistry Department, specialization in Physical & Inorganic Chemistry is not being offered due to the non-availability of teachers in these fields. This will result in a dearth of teachers with expertise in Physical & Inorganic Chemistry which are equally essential especially at the Under Graduate level.
- The university authority can find out some mechanism to offer minimum administrative autonomy to the satellite campuses. However, all decisions taken by the authorities of those campuses must be submitted to the University within a definite time period for approval and ratification.
- Participation of only those students who are meritorious and have required percentage of attendance may be encouraged in the student-related activities in the interest of student welfare and discipline on the campus. Such a practice will lead to effective involvement of the students in realizing the goals and objectives of the University.
- The system of backpaper examination may be abolished forthwith and in its place a suitable mechanism may be evolved by the University for revaluation of answer scripts.
- Considering the special characteristics of the region the Peer Team feels that a Department of folk culture and studies may be opened. It may include study of folk culture, folk song, dance and other tradition and practices which are relevant

to this area and which will help in furthering the goals of the University to preserve and promote the local Himalayan culture and traditions. The Department of Drawing, Painting and Music may be integrated with this department.

- The Peer Team feels that management of library may be improved so as to help the students meaningfully. Book bank facility, which is not provided at present, may be revived for the weaker sections of the student community. Penalty charge for late return of books to the library may be enhanced. This will ensure availability of books to all students. Also, well organized departmental libraries are needed for all departments.
- The University needs to explore possibilities of earning more revenue through consultancy services. The Departments/Centers that hold promise in this connection include those of forestry, horticulture, HAPPRC, Adult continuing education and extension, Centre for Mountain Tourism and Hospitality studies, Pharmaceutical science etc..
- Departments may be encouraged to introduce more self-financing courses. The areas identified are environmental science, fishery, horticulture, plant tissue culture, fruit preservation, spoken English, secretarial practice, basics in Computers etc. .
- University – Industry linkage is to be further explored for promoting research and earning more financial resources.
- Medical facilities available for students are not adequate. A medical officer/doctor is essential for Tehri and Pauri campuses. The team suggests that University may consider medical insurance for students by collecting a nominal fee from the students at the beginning of each session. This will not create any financial liability for the University .
- There is one civil services coaching centre for the SC/ST students. The team feels that this facility may further be extended to the general students also, if necessary, by charging some fee. A counseling centre for helping the students in choosing the subjects/stream at the time of admission is vitally necessary.

- The Peer Team expects the DSW to play a more tangible and effective role.
- The University may take measures to expedite raising a girls battalion sanctioned by the NCC group Head Quarters of this region.
- In the student hostels, telephone connection is needed.
- The University should devise some mechanism/procedure to collect a feed back from students regarding teacher performance. Student evaluation (by the final year students before appearing in their examination) should be for the consumption of the concerned teacher only so that he/she can improve his/her performance. This is not meant to be public. The Peer Team is happy to note that in the affiliated colleges offering professional courses, such practice of student evaluation exists. This system is to be extended to other affiliated colleges also.
- The University may strictly enforce adherence to affiliating conditions for colleges. Regular monitoring of academic performance, admission norms and schedule and admission of students as per the sanctioned strength of the affiliated colleges by the University is absolutely necessary. This is more important in the context of admission criteria and number of seats in the affiliated institutions.
- College Development Council may be made more effective.
- Non-professional PG teaching in affiliated colleges may be discontinued.
- The University may consider setting up an Academic Staff College. This is necessary for career development of in-service faculty members.
- Chauras campus has two stadiums having facilities for different types of outdoor games. Coaches are to be appointed when the students represent the university at the National level.
- Welfare Fund may be created for non-teaching employees too.
- The teachers & non-teaching may be covered under medical insurance.
- The system of internal audit may be activated.
- The University may consider creating a grievance redressal cell for women staff and students of the University.

- In view of the inadequacy in teaching staff, the University may consider engaging Research Scholars (without fellowships) on a part time basis for limited workload/week. Research scholars with fellowships may be involved in teaching as per the UGC-CSIR norms.
- USIC may undertake the responsibility of service and maintenance of the entire scientific instruments in the Science departments.

The Peer Team wishes to record its appreciation for the enormous amount of co-operation and hospitality extended by the University. The Peer Team believes that the University authorities will take care of the minor weak points and in the near future it will become one of the best institutions in the country. The Peer Team extends heartfelt thanks to the University and wishes the institution all success.

Bharati Mukherjee 13/12/02

Prof. Bharati Mukherjee
(Chair Person)

Bhupinder Brar
Prof. Bhupinder Brar
(Member)

Pulak Lahiri 13/12/02
Prof. Pulak Lahiri
(Member)

(P.S.N. Reddy)
Prof. P.S.N. Reddy
(Member)

Lalit Mangotra
Prof. Lalit Mangotra
(Member)

A.K. Sarala
Prof. A.K. Sarala
(Member)

I concur with the Report

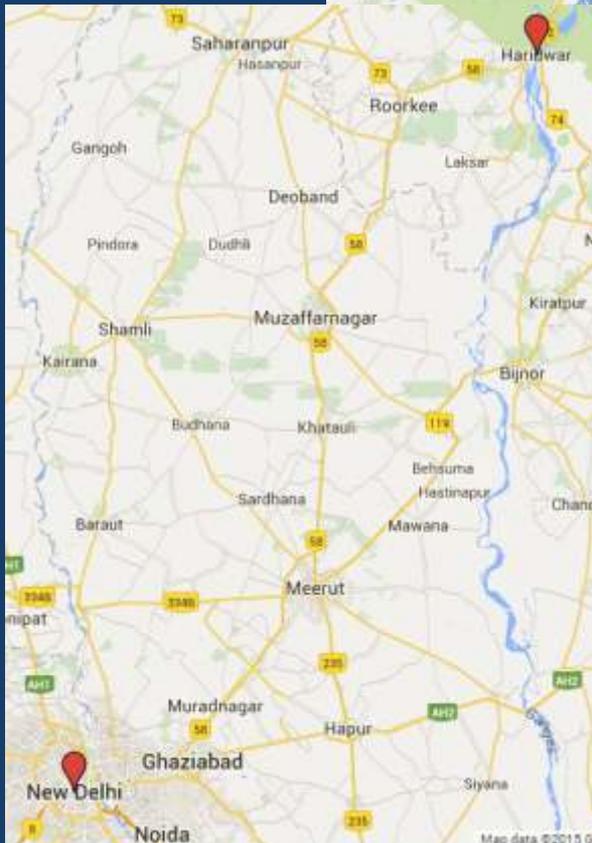
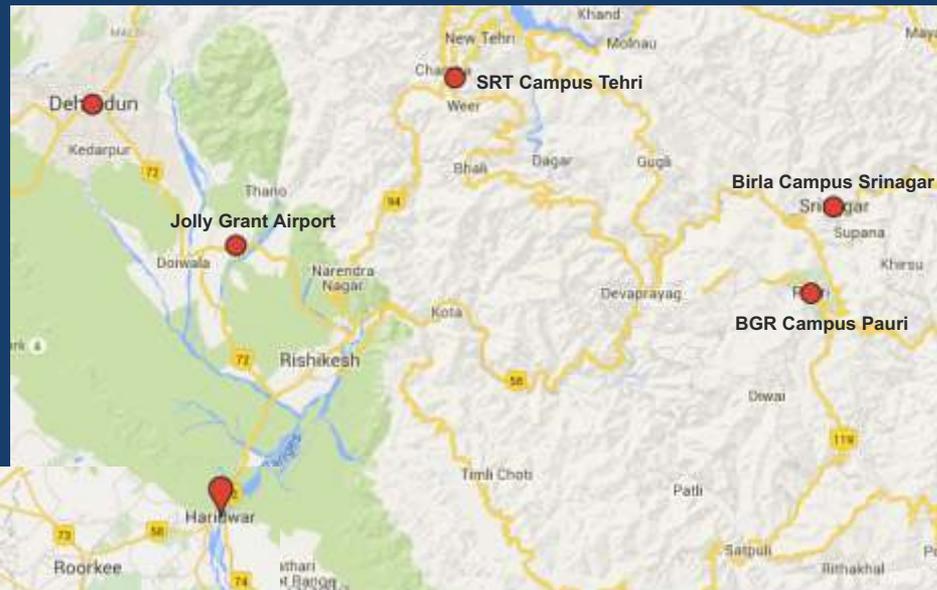
Natarajan 13 Dec 2002

Air Vice Marshal (Retd.) Dr. N. Natarajan
Vice-Chancellor

ANNEXURE - V

NAAC ACCREDITED AFFILIATED COLLEGES/INSTITUTES

1. Govt PG College, Talwari, District Chamoli
2. Govt PG College, Tehri
3. Anusuya Prasad Bahuguna, Govt PG College, Agastyamuni, Rudraprayag
4. Ram Chandra Uniyal PG College, Uttarkashi
5. Dr. PDB Govt PG College, Kotdwar, Pauri Garhwal
6. Dr. PDB Govt PG College (B.Ed.), Kotdwar, Pauri Garhwal
7. Pt. LMS Govt. PG College Rishikesh, Dehradun
8. DBS PG College, Dehradun
9. SGRR PG College, Dehradun
10. MKP PG College, Dehradun
11. RMP PG College, Gurukul Narsan, Haridwar
12. SBS PG Institute of Biomedical Sciences and Research, Balawala, Dehradun
13. Sita Devi Memorial Institute of Education and Technology, Jwalapur, Haridwar
14. Uttaranchal College of Education, Sevla Khurd, Saharanpur Road, Dehradun
15. Pestle Weed College of Information Technology, Technological Park, Oak Hill Estate, Mussoorie Diversion Road, Dehradun
16. Dolphin PG Institute of Biomedical and Natural Sciences, Manduwala, Dehradun
17. Kukreja Institute of Teachers Education, Ganesh Vihar, Dehradun
18. SP Memorial B.Ed. College, Bhaktiyana, Srinagar
19. Nalanda College of Education, Miyanwala, Haridwar Road, Dehradun
20. Patrician College of Education, St. Joseph Academy, Rajpur Road, Dehradun



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