

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Annual Quality Assurance Report (AQAR)

2014-15



Hemvati Nandan Bahuguna Garhwal University
(A Central University)
Srinagar (Garhwal) - 246 174, Uttarakhand

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
Bengaluru - 560 072

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

I. Details of the Institution

1.1 Name of the Institution

Hemvati Nandan Bahuguna Garhwal University
(A Central University)

1.2 Address Line 1

NH-58, Badrinath Road

Address Line 2

City/Town

Srinagar (District: Pauri Garhwal)

State

Uttarakhand

Pin Code

246174

Institution e-mail address

registrar.hnbggu@gmail.com
registrar@hnbggu.ac.in

Contact Nos.

01346-252143

Name of the Head of the Institution:

Prof. Jawahar Lal Kaul
Vice-Chancellor

Tel. No. with STD Code:

01346-250260

Mobile:

+91 9412079544

Name of the IQAC Co-ordinator:

Prof. Om Prakash Gusain

Mobile:

+91 9412960926

IQAC e-mail address:

iqac.hnbgu@gmail.com
director.iqac@hnbgu.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

UAUNGN10078

1.4 NAAC Executive Committee No. & Date:

Dated 21.03.2003

1.5 Website address:

hnbgu.ac.in

Web-link of the AQAR:

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B ⁺⁺	-	2003	2002-2007
2	2 nd Cycle	-	-	-	-
3	3 rd Cycle	-	-	-	-
4	4 th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC: DD/MM/YYYY

18.02.2010

1.8 AQAR for the year (for example 2010-11)

2014-15

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2013-14: 23.12.2015
- ii. AQAR 2012-13: 23.12.2015
- iii. AQAR 2011-12: 23.12.2015

1.10 Institutional Status

University State ☐ Central ☒ Deemed ☐ ☐ te

Affiliated College Yes ☐ No ☐

Constituent College Yes ☐ No ☐

Autonomous college of UGC Yes ☐ No ☐

Regulatory Agency approved Institution Yes ☒ No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education ☒ Men ☐ Women ☐

Urban ☐ Rural ☒ Tribal ☐

Financial Status Grant-in-aid ☒ UGC 2(f) ☐ UGC 12B ☐

Grant-in-aid + Self Financing ☐ Totally Self-financing ☐

1.11 Type of Faculty/Programme

Arts ☒ Science ☒ Commerce ☒ Law ☒ PEI (Phys Edu) ☒

TEI (Edu) ☒ Engineering ☒ Health Science ☒ Management ☒

Others (Specify)

Agriculture & Allied Science

1.12 Name of the Affiliating University (*for the Colleges*)

Not applicable

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

Central

University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text" value="√"/>	DST-FIST	<input type="text" value="√"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other (<i>Specify</i>)	<input type="text" value="DBT-HRD"/>
UGC-COP Programmes	<input type="text"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="10"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="10"/>
2.3 No. of students	<input type="text" value="01"/>
2.4 No. of Management representatives	<input type="text" value="02"/>
2.5 No. of Alumni	<input type="text" value="01"/>
2. 6 No. of any other stakeholder and community representatives	<input type="text" value="02"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="-"/>
2.8 No. of other External Experts	<input type="text" value="02"/>
2.9 Total No. of members	<input type="text" value="28"/>
2.10 No. of IQAC meetings held	<input type="text" value="01"/>

2.11 No. of meetings with various stakeholders:	No.	<input type="text" value="02"/>	Faculty	<input type="text"/>
Non-Teaching	Staff Students	<input type="text"/>	Alumni	<input type="text"/>
		<input type="text"/>		<input type="text"/>
				Others

2.12 Has IQAC received any funding from UGC during the year? Yes ☐ No ☒

If yes, mention the amount

NA

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. Nil International - National - State - Institution Level -

(ii) Themes

NA

2.14 Significant Activities and contributions made by IQAC

- Obtaining Students' Feedback on Teachers was initiated.
- Constitution of Task Group for achieving the objectives of IQAC.
- Plantation of trees and Celebration of World Environment Day on 5th June, 2015.
- Co-organized 'Gaura Devi Memorial Lecture 2015' (March 21, 2015).
- Co-organized workshop on 'Personality development, Mentoring and Career Options' (April 10-12, 2015).
- Co-ordinating with NAAC steering committee for accreditation by NAAC.
- Green initiatives undertaken: Campus cleanliness drives initiated under *Swacch Bharat Mission*. Dustbins were placed at strategic points and composting pits were created.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
<ul style="list-style-type: none"> • Formation of Tasks Groups • Green initiatives 	<ul style="list-style-type: none"> • Road map for attaining the objectives of IQAC chalked out. • Setting up of Model composting pits and placement of Dustbins. • Replacement of electric bulbs by CFL/LEDs. • Affixing name plates on the road-side trees in the campuses.

* *Attach the Academic Calendar of the year as Annexure- i*

2.15 Whether the AQAR was placed in statutory body Yes ☐ No ☒

Management ☐ Syndicate ☐ Any other body ☐

Provide the details of the action taken

NA

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	38	-	-	-
PG	53	-	07	-
UG	47	-	05	-
PG Diploma	07	-	-	07
Advanced Diploma	-	-	-	-
Diploma	06	-	06	06
Certificate	05	-	04	05
Others*	03	-	-	03
Total	159	-	22	21**
Interdisciplinary				
Innovative				

*M.Phil. (02), Integrated Programme (01)

**excluding UG/PG Professional Courses

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	72
Trimester	-
Annual	49

1.3 Feedback from stakeholders* Alumni ☐ Parents ☐ Employers ☐ Students ☒

(On all aspects)

Mode of feedback : Online ☐ Manual ☒ Co-operating schools (for PEI) ☐

***Please provide an analysis of the feedback in the Annexure ii**

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Ordinances have been framed and approved in accordance with CBCS in UG programs.
- Syllabi of all UG programs have been adequately revised as per the model syllabus of UGC for CBCS to be adopted from the academic session 2015-16. Also, in some PG programs few modifications were made.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
329	124	59	119	27

2.2 No. of permanent faculty with Ph.D.

293

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
Nil	92	Nil	46	Nil	28	Nil	Nil	Nil	166

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

-

170

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	32	75	21
Presented papers	67	137	18
Resource Persons	14	61	22

2.6 Innovative processes adopted by the institution in Teaching and Learning:

ICT enabled teaching and learning is promoted. Further, beyond classroom approaches like group discussions, quiz, field trips, industrial visits are followed.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Submission of online examination forms.
- The copies of Sessional examinations are distributed to the students in the department and any grievances are redressed.

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

The BoS constitutes 90% of the faculty members.

2.10 Average percentage of attendance of students

80-85%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.A.	929		7.4	56.4	16.1	82
B.Com.	176		19.3	68.1	9.6	98
B.Sc.	772		17.6	55.6	4.7	79
M.A.	343					62
M.Sc.	392					81.3
M.Com.	38					50
LLB	42					100
LLM	12					58
M. Pharma.	8					100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes

- The resolutions of IQAC are notified by the University Officials for action/implementation.
- Faculty participating in the workshops, conferences, etc. submit an abstract of their presentation to the IQAC.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	06
UGC – Faculty Improvement Programme	-
HRD programmes	08
Orientation programmes	29
Faculty exchange programme	06
Staff training conducted by the university	-
Staff training conducted by other institutions	01
Summer / Winter schools, Workshops, etc.	36
Others	08

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff/ Technical Staff	650	210	01	Nil

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Teaching departments were mobilized for achieving quality in their functioning, together with up-gradation of existing syllabus with inputs from faculty members including the affiliated colleges, also the faculty members were encouraged to undertake research projects and consultancy.
- Faculty delivering lectures, presenting papers in seminars, conferences etc. were advised to send a soft copy of the same to IQAC so that it could be uploaded in the University website.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	08	47	-	02
Outlay in Rs. Lakhs	116.37	943.60	-	76.00

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	03	-	-	-
Outlay in Rs. Lakhs	7.47	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	248	190	-
Non-Peer Review Journals	15	5	04
e-Journals	16	04	-
Conference proceedings	07	18	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

MAJOR RESEARCH PROJECTS				
		Duration	Name of funding agency	Total grant sanctioned (Rs. in Lakhs)
Department of Forestry and Natural Resources				
1	Soil seed bank and post-fire regeneration ecology of Pine forest in Garhwal Himalaya. P.I.: S.S. Phartyal (Completed)	2011-2014	UGC, New Delhi	10.34
2	Carbon stock estimation of <i>Pinus roxburghii</i> stands in Garhwal Himalaya P.I: Dr. Munesh Kumar	2014-2016	DST-SERB	12.00
3	Networking Projects on Non Timber Forest Products (NTFP) in Uttarakhand P.I: Dr. D.S. Chauhan	2015-2017	Indian Council of Forestry Research and Education (ICFRE), Dehradun	10.50
4	Income generation for rural communities through cultivation and conservation of medicinal plants P.I: Dr. A.K. Negi	2013-2016	DBT, New Delhi	18. 14
5	<i>Uttarakhand mein Aushdhiy Padapon ke vikas ke liye Anwala evam Sarpgandha ki Adarsh paudhshala</i> PI: Dr. A.K. Negi	2014-2017	HRDI, Gopeshwar, National Medicinal Plant Mission, New Delhi	20.00
6	All India Coordinated Research project on Sacred Grove Ecosystem Service Assessment in Uttarakhand P.I: Prof N.P. Todaria, Co. PI: Dr. A.K. Negi & Dr S. Dasgupta	2012-2017	MOEFCC, Govt of India, New Delhi	32.00
HIGH ALTITUDE PLANT PHYSIOLOGY RESEARCH CENTRE (HAPPRC)				
7	Alpine ecosystem dynamics and impact of climate	2012-2015	Space Application	23.87

	change in Indian Himalaya (PRACRITI-II) PI- Prof. M.C. Nautiyal		Centre, ISRO, Ahmedabad, India	
8	Establishment of Model Nursery of Tgar and Pushkarmool under Rastriya Jari-Buti Mission PI- Prof. A.R. Nautiyal/ Dr. Vijay Kant Purohit (Completed)	2012-2014	Rashtriya Aushdhiy Padap Mission (RAPM), Herbal Research and Development Institute, Gopeshwar, Chamoli	20.00
9	Occurrence of Aflatoxin producing fungi and aflatoxin in Raw Herbal Materials used for Ayurvedic drug preparation PI- Dr. Harish Chandra	2014-2016	UGC-FRPS Grant	6.00
10	Biofortification of rice grains with Zinc by the application of plant growth promoting Rhizobacteria as Zinc solubilising agents PI- Dr. Babita Patni	2014-2016	UGC-FRPS Grant	6.00
DEPARTMENT OF GEOLOGY				
11	Glaciers of Upper Alaknanda-Saraswati Basin and Climate Change (Collaborative project of HNBGU, IMSc Chennai and IISER Kolkata) PI- Prof. HC Nainwal	2014-2017	Institute of Mathematical Sciences (DAE-GOI), Chennai	20.00
12	Tectono Geomorphic Evolution of Alaknanda valley between Alaknanda Fault and Main Central Thrust PI- Prof. YP Sundriyal	2012-2015	DST, New Delhi	
13	Geological documentation of the damages in Alaknanda and Mandakini Valley during the flash flood of 17th June, 2013 and to suggest geological, geo-morphological and geo-technical remedial measures to minimize the losses in future PI- Prof. YP Sundriyal	2013-2015	DST, New Delhi	13.00
14	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 PI- Prof. YP Sundriyal	2013-2016	DST, New Delhi	38.84
15	Map the Neighbourhood in Uttarakhand (MANU): Study area Mandakini Valley PI- Prof. YP Sundriyal	2013-2015	DST, New Delhi	24.40
16	Strain Budget Plate Convergence And Earthquake Occurrence Processes In The Garhwal Kumoan Himalaya Using Permanent Campaign Mode Crustal Deformation Measurements. (Collaborative project of HNBGU and NGRI Hyderabad) PI- Dr. SP Sati	2011-2016	MoES, New Delhi	61.00
17	Deformation across the Karakoram fault and Kaurik Chango rift & its implications on the NW. (Collaborative project of HNBGU, NGRI Chennai and SASE Chandigarh) PI- Dr. SP Sati	2014-2018	MoES, New Delhi	57.00
18	Map the Neighbourhood in Uttarakhand (MANU): Study area Alaknanda Valley PI- Prof. Y.P.Sundriyal; Prof. R.C. Ramola (Co-PI) (Completed)	2013-2014	DST, New Delhi	24.40
19	Estimation of Ice depth or surface velocity using GPR & DGPS of Satopanth glacier PI- Prof. H.C. Nainwal	2015-2018	SERB-DST, New Delhi	56.00

20	Spatial and temporal changes in the incision rates during the late Quaternary in the Alakhnanda and Yamuna river valleys, Uttarakhand Himalaya, India PI- Dr. Naresh Rana	2012-2016	DST, Young Scientist Project	31.50
DEPARTMENT OF BOTANY & MICROBIOLOGY				
21	Identifying the changes in vegetation on ridge tops to predict climate impact and assisted migration PI- Prof. C.M. Sharma	2013-2016	DST, New Delhi	40.43
22	Capacity Building of Hill Women in Uttarakhand Through Bee Farming: A Melissopalynological approach PI- Dr. P. Tiwari and Dr. J.K. Tiwari (Co-PI) (Completed)	2010-2014	DBT, New Delhi	15.78
23	Screening of thermophilic cyanobacteria containing non ribosomal peptide synthetase gene clusters for their antimicrobial activity PI- Dr. Rahul K. Singh	2014-2016	UGC-BSR Start-Up-Grant	6.00
24	Diversity of microalgae and cyanobacteria across the thermal and chemical-gradients in geothermal fields of Uttarakhand Himalaya PI- Dr. Dhananjay Kumar	2014-2016	UGC-BSR Start-Up-Grant	6.00
25	Bacterial diversity and community succession in sulfur springs and caves around Sahastradhara PI- Dr. Seema Rawat	2014-2016	UGC-BSR Start-Up-Grant	6.00
26	Preparing chromosomal atlas of medicinal plants of Uttarakhand PI-Dr. Asha	2015-2017	UGC-BSR Start-Up-Grant	6.00
DEPARTMENT OF ENVIRONMENTAL SCIENCES				
27	EIA of Hydropower Projects on Alakhnanda and Bhagirathi River Basin (Collaborative Project with IIT Roorkee) PI- Prof. Ramesh C. Sharma (Completed)	2013-2014	Govt. of Uttarakhand	7.00
DEPARTMENT OF ZOOLOGY & BIOTECHNOLOGY				
28	Hydraulic habitat requirement of invertebrates PI- Prof. P.N. Nautiyal	2014-2015	WWF India	10.87
29	Characterization of psychrophilic bacterial diversity of Himalaya region in Uttarakhand PI- Dr. G.K. Joshi	2012-2015	USBD, Govt. of Uttarakhand	9.30
30	Monitoring the self-purification capacity of river Alakhnanda implementing physical, chemical and biological approaches PI- Dr. J.S. Chauhan	2015-2017	UGC-FRPS Grant	6.00
31	To study the oxidative stress response on enzymatic, non-enzymatic antioxidants and analysis of Physio-morphological change of <i>Cicer arietinum</i> , under the Heat-stress PI- Dr. Saurabh Yadav	2015-2017	UGC-FRPS Grant	6.00
32	Biochemical and structural characterization of the peroxiredoxins(s) involved in antioxidative defense in protozoan parasites <i>Entamoeba histolytica</i> and <i>Trichomonas vaginalis</i> PI- Dr. Sudhir Kumar	2015-2017	UGC-FRPS Grant	6.00
33	Evaluation of hormone induced gonadal differentiation in adult gold fish <i>Carassius auratus</i> PI- Dr. Indrashis Bhattacharya	2015-2017	UGC-FRPS Grant	6.00
DEPARTMENT OF BIOCHEMISTRY				
34	Influence of the Ageing on Biochemical and Physiological changes in Plants: Insight into the interlinking of Redox Regulation PI- Dr. Manisha Nigam	2015-2017	UGC-BSR Start-Up-Grant	6.00

35	Identification of Phylloquinone role on L. donovani inhibition PI- Dr. Nisha Singh	2015-2017	UGC-BSR Start-Up-Grant	6.00
DEPARTMENT OF CHEMISTRY				
36	Search for herbal antidiabetic leads from medicinal plants PI- Prof. D. S. Negi (Completed)	2011-2014	CSIR, New Delhi	28.00
37	Antifeedant constituents from Verbenaceae species PI- Prof. D. S. Negi	2014-2016	UCOST, Dehradun	11.7
38	Optical properties of heterocyclic and aryl based donor-acceptor conjugated systems PI- Dr. P. K. Hota	2015-2017	UGC-FRPS Grant	6.00
39	Development of ion sensors for the determination of toxic metals in environmental samples PI- Dr. Jitendra	2015-2017	UGC-FRPS Grant	6.00
DEPARTMENT OF MATHEMATICS				
40	Linear Estability of buoyancy assisted mixed connective flow in vertical pipe filled with porous medium PI- Dr. Ashok Kumar	2014-2016	UGC- BSR Start-up grant	6.00
41	Fuzzy reliability analysis of industrial system with components following different membership functions for their failure/repair using Te (weakest t- norms) based on fuzzy arithmetic operations Dr. Komal	2014-2016	UGC-BSR, Start-up grant	6.00
DEPARTMENT OF PHYSICS				
42	MoU to Establish Radon Calibration Centre at Department of Physics and to strengthen radon studies in state of Delhi, Uttar Pradesh Uttarakhand, Himachal Pardesh and Jammu & Kashmir PI- Prof. R.C. Ramola	2011-2016	Bhabha Atomic Research Centre, Mumbai	48.93
43	A Comparative Study Among Different Techniques for Radon/Thoron Progeny Measurements in the Normal and High Background Radiation Areas PI-Prof. R.C. Ramola	2011-2016	Board of Research in Nuclear Science (BRNS), Department of Atomic Energy, Mumbai	33.78
44	Modeling of radon Exhalation into soil Chambers for continuous flux and soil Gas Measurement and its validation through Multiparametric measurements: A case study at Garhwal Himalaya region PI- Dr. A.A. Baurai, Co-PI- Dr. Veena Joshi	2011-2016	BRNS, Mumbai	21.56
45	A comprehensive study of natural radiation level in Pauri and Udham Singh Nagar District of Uttarakhand PI- Dr. Veena Joshi	2012-2015	BRNS	33.43
46	Strengthening the infra structural facility at Nodal centre at HNB Garhwal University to persue radon/thoron studies in Northern India PI- Prof. R.C. Ramola, PI- Dr. Veena Joshi	2014-2017	BRNS	84.00
DEPARTMENT OF PHARMACEUTICAL SCIENCES				
47	Preparation and evaluation of effective herbal formulations for alopecia (baldness) and identification of chief constituent(s), PI- Dr Mona Semalty/ Dr Ajay Semalty	2014-2016	UGC, New Delhi	10.95
48	Studies on high altitude antioxidant herbs used by tribes of Garhwal region,	2012-2015	UGC, New Delhi	9.40

	PI- Dr. Nitin Sati			
DEPARTMENT OF ECONOMICS				
49	Problems in Socio-Economic Empowerment of hill rural women in Uttarakhand; A Study of Pauri district PI- Dr. Prashant Kandari and Co-PI- Prof. T.P. Pant (Completed)	2012-2014	UGC, New Delhi	5.85
50	Problems and minimum economic need assessment of BPL households in hill rural areas: A Study of district Pauri in Uttarakhand PI- Dr. Prashant Kandari (Completed)	2013-2014	ICSSR, New Delhi	5.00
DEPARTMENT OF POLITICAL SCIENCE				
51	UGC-SAP-DRS-II, UGC PI- Prof. Annpurna Nautiyal	2012-2018	UGC, New Delhi	47.00
52	Gap Between Environmental Policies and Human Action: A Study of the Impact of Natural Disaster In Garhwal Himalayas on the Women PI- Prof. Annpurna Nautiyal	2014-2016	ICSSR, New Delhi	48.00
Department of Psychology				
53	GFATM – 7 Project PI- Prof. Lata Gairola	2009-2015	Tata Institute Social Sciences (TISS)	10.00
CENTRE FOR MOUNTAIN TOURISM & HOSPITALITY STUDIES (CMTHS)				
54	Planning for community based ecotourism through integrated value chain development in Jaunsar region of Uttarakhand: an analytical and strategic framework PI- Dr. S.K. Gupta	2015-2017	ICSSR, New Delhi	5.00
55	Strategies, Planning & Tourist Perspective for Tourism Development in Bhilangana Valley of Garhwal Himalayas PI- Dr. Rashmi Dhodi	2015-2017	ICSSR, New Delhi	5.00
SUBMITTED PROJECTS				
DEPARTMENT OF MATHEMATICS				
1	Numerical Investigation of Instability of Poiseuille Flow in Vertical Pipe Filled with Porous Medium. PI- Dr Ashok Kumar		DST (SERB)	36.00
DEPARTMENT OF BOTANY & MICROBIOLOGY				
2	Diagnostic utility of different inhibitor combinations along with carbapenem against Gram negative isolates expressing metallo beta-lactamase gene activity PI- Dr. Rahul K. Singh		ICMR, New Delhi	40.00
MINOR RESEARCH PROJECTS				
DEPARTMENT OF HOME SCIENCE				
1	Educating adolescent girls and young woman on health and hygiene related issues in district Pauri of Uttarakhand PI- Dr. Rekha Naithani (Completed)	2012-2014	UCOST, Dehradun	3.00
DEPARTMENT OF BOTANY				
2	Conservation of Threatened Medicinal Plants in Montane Zone of Tehri Garhwal, Uttarakhand PI- Dr. L. R. Dangwal (Completed)	2012-2014	USBD, Govt. of Uttarakhand	3.09
DEPARTMENT OF HISTORY				
3	Public Movements of Tehri State PI-Dr. Suresh Kumar Chandola (Completed)	2013-2014	ICHR, New Delhi	1.38

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	01	08	01	06	-
Sponsoring agencies	Self-financed	HNBGU, ICSSR, MEA, UGC-SAP-DRS	HNBGU	HNBGU, ICSSR, MEA	

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College
Total

3.16 No. of patents received this year

Type of Patent	Number
----------------	--------

National	Applied	Nil
	Granted	Nil
International	Applied	Nil
	Granted	Nil
Commercialised	Applied	Nil

3.17 No. of research awards/

recognitions
faculty and
fellows of the
year

Total	International	National	State	University	Dist	College
13	01	03	02	07		

received by
research
institute in the

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

220

391

3.19 No. of Ph.D. awarded by faculty from the Institution

112

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF/SRF

30

Project Fellows

28

Any other

433

3.21 No. of students Participated in NSS events:

University level

1460

State level

08

National level

-

International level

-

3.22 No. of students participated in NCC events:

University level

532

State level

195

National level

73

International level

01

3.23 No. of Awards won in NSS:

University level

--

State level

National level

International level

3.24 No. of Awards won in NCC:

University level

10

State level

02

National level

01

International level

-

3.25 No. of Extension activities organized

University forum

07

College forum

-

NCC

14

NSS

26

Any other

-

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Cleanliness drive and rally organized under *Swachh Bharat Abhiyan*.
- Run for Unity organized successfully.
- Voluntary Blood donation camp and free Dental Check up camp organized at Srinagar Campus.
- Tree plantation at Kandolia, Mesmour and Pauri Campus in addition to Chauras Campus.
- NSS and NCC volunteers organized Rallies for awareness on HIV AIDS, Cancer, Anti-Tobacco, Save female child, PNDT Act and blood donation camp.
- During *Baikunth Chaturdashi* festival, the NCC/ NSS volunteers actively assist the organizers in maintaining order at various events.
- Creation of Red Ribbon Club during the year 2014-15 at SRT Campus.
- INSPIRE: 810 students of Uttarakhand got scholarship for higher education as an outcome of the DST sponsored INSPIRE Science camps organized by the University. Uttarakhand was 2nd in attaining scholarships for education in the country.
- The Department of Naturopathy & Yoga organized First International Yoga Day on 21st June, 2015 at Birla Campus, Srinagar.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	267.93 acres	-		267.93 acres
Class rooms	154	25	UGC	179
Laboratories	131	01	UGC	132
Seminar Halls	49	01	UGC	50
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-`	60	UGC	183
Value of the equipment purchased during the year (Rs. in Lakhs)	213.097	122.34	UGC	314.5
Others				

4.2 Computerization of administration and library

Computerization of administration and library is under process in a phased manner.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	419255	-	24235	133.45	449255	436.03

Reference Books	15279	17.6	5634	30.25	15279	47.31
e-Books	127	-	12	-	139	-
Journals	183	5.54	11	0.20	194	5.74
e-Journals	450	-	-	-	450	-
Digital Database	-	-	-	-	-	-
CD & Video	501	-	-	-	501	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1000	44	20	03	02	15	36	
Added	40	03	02	-	02	01	04	
Total	1040	47	22	03	04	16	40	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Computer literacy Program (CLP) is being used to train UG students in Computerized Accounting and imparting practical training to B.Com. and B.Sc. Computer Science students.
- Online submission of PG entrance and PG examination forms along with recruitment application forms is being facilitated by the e-Governance cell of the University.

4.6 Amount spent on maintenance in lakhs:

i) ICT	46.77
ii) Campus Infrastructure and facilities	159.11
iii) Equipments	12.67
iv) Others	-
Total:	218.55

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC advised the Student's Welfare Board functioning under the Dean Students' Welfare to undertake programs related to student's support. These includes display and dissemination of various notifications related to scholarships, freeships etc.

5.2 Efforts made by the institution for tracking the progression

The academic departments of the University have been entrusted with the task of tracking the progression of the students.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
8230	2005	281	92

(b) No. of students outside the state

884

(c) No. of international students

-

No	%
5039	47.5

Men

Women

No	%
5569	52.5

Last Year						This Year					
Gen	SC	ST	OBC	Physically Challenged	Total	Gen	SC	ST	OBC	Physically Challenged	Total
7333	1340	442	1389	09	10513	8153	1597	272	556	30	10608

Demand ratio: -

Dropout %: < 5%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

The University has a UGC supported SC, ST and Minorities Remedial Coaching Cell that contributes towards social equity and mobility of the under privileged sections of the society through various schemes. In addition, the students of general category also avail the facility of the Cell. However, due to non release of the annual grant by the UGC during 2014-15, no activity was conducted by the Cell.

No. of students beneficiaries

Nil

5.5 No. of students qualified in these examinations

NET	60	SET/SLET	34	GATE	16	CAT	
IAS/IPS etc	07	State PSC		UPSC		Others	50

5.6 Details of student counselling and career guidance

The University Career Counselling and Placement Service and the Admission Committee guide the students towards subject selection. Further, final year students are guided by their respective departments in selection of their prospective career. In addition, Employment Information and Guidance Bureau also extend support in this regard.

No. of students benefitted

526

5.7 Details of campus placement

	<i>On campus</i>			<i>Off Campus</i>
	Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
• Department level	13	100	28	149
• University Career Counselling and Placement Services	07	421	19	-

5.8 Details of gender sensitization programmes

The Women Cell and Permanent Cell for combating sexual harassment and violence against women conduct gender sensitization programmes.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level

248

National level

26

International level

-

No. of students participated in cultural events

State/ University level

85

National level

30

International level

-

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level

61

National level

04

International level

-

Cultural: State/ University level

65

National level

30

International level

-

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	40	124500
Financial support from government	39	148580
Financial support from other sources	5	49925
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

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.

6.2 Does the Institution has a management Information System

The University do not have a MIS.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Regular feedback from faculty members and students is put before the BoS for incorporating in the syllabi after due deliberations in presence of external experts.

6.3.2 Teaching and Learning

- Use of ICT is encouraged amongst the faculty members.
- The faculty members are encouraged to attend faculty recharge programs viz. Orientation and Refresher Courses.
- The students are informed about the various open learning e-resources available, further relevant assignments are also given to students.
- Course related documentaries/audio visuals are shown to the students for better understanding.
- Field/Industrial visits for the students are organized to gain hands on experience.
- For improving soft skills and confidence building, the students are encouraged to participate in class seminars, group discussions etc.

6.3.3 Examination and Evaluation

Online submission of examination forms by PG and UG students under CBCS is being done.

6.3.4 Research and Development

- The faculty members are encouraged to participate in Workshops, Seminars, Conferences etc. so as to update themselves with the developments in their respective field of research.
- Newly recruited faculty members are encouraged to avail the start up grants for research by the funding agencies.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- The departments provide list of relevant reference books, journals etc. on a yearly basis and thereafter the purchase is made by Central Purchase Committee. This ensures availability of recent and good quality books in the library.
- Library automation is under process.
- Regular upgradation of ICT and physical infrastructure is being done.
- The USIC serves as a common facility and is regularly strengthened by procuring instruments. Besides, the departments submit their respective requirements to the University for approval and subsequent purchase.

6.3.6 Human Resource Management

- The faculty members are encouraged to take various assignments besides teaching to enhance their overall qualities so as to benefit the institution and the society.
- The young faculty members are assigned relevant administrative works so as to expose them to the functioning of the University.
- The personality development, decision making and stress management workshops are organized for students and support staff.

6.3.7 Faculty and Staff recruitment

- The advertisements for recruitment of faculty and staff are widely published in national dailies and employment news.
- Online submission of application forms for recruitment.

6.3.8 Industry Interaction / Collaboration

Academia-Industry linkage cell has been established in the University, besides interaction with the industry is sought through collaborative programmes like seminars, workshops, internships and research projects. University also encourages inviting experts/resource persons from industries to interact with students.

6.3.9 Admission of Students

Admission of students to all PG courses, PhD programmes and Professional courses is done through an entrance test conducted on All India Basis. Further, the final selection for PhD programmes is made after interview of the shortlisted candidates. Admissions to UG courses are on merit basis of qualifying examination.

6.4 Welfare schemes for

Teaching	Contributory health scheme in the pattern of CGHS is in place for employees.
Non teaching	Employee Welfare fund
Students	Scholarships, Freeships etc.

6.5 Total corpus fund generated

Establishment of Corpus Fund is under process.

6.6 Whether annual financial audit has been done Yes ☐ No ☒

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	NA	No	NA
Administrative	No	NA	No	NA

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes

Yes

☒

No

☐

For PG Programmes

Yes

☒

No

☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Continuous evaluation of students is in place in all PG programs under CBCS.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

The University extends support to the affiliated colleges for academic purposes.

6.11 Activities and support from the Alumni Association

The University is under process of formal registration of Alumni Association. However, some of the departments have active Alumni associations.

6.12 Activities and support from the Parent – Teacher Association

A formal Parent – Teacher Association do not exists in the University. However, the Dean Students' Welfare interacts with parents whenever required.

6.13 Development programmes for support staff

Workshops, meeting and discussions are held for the development of support staff.

6.14 Initiatives taken by the institution to make the campus eco-friendly

The University has done plantation, adopted energy efficient measures and established rain water harvesting system in pursuit of making the campus eco-friendly.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Online submission of examination form for PG programmes have expedited the process of verification, roll list and admit card generation. Further this has resolved the errors occurring due to anomalies with regard to the previous semester data.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

The University is in the process of adopting e-governance in a phased manner. For now, online submission of examination forms by PG students, online submission of student's feedback, online submission of application form in the recruitment process and online generation of pay slip for the employees has already started.

7.3 Give two Best Practices of the institution

- **University Society Interface:** The University has continued its outreach initiatives by organizing workshops for farmers to disseminate knowledge regarding plantation of medicinal plants, horticultural crops etc. Likewise, the Department of Adult Continuing and Extension Education has been organizing literacy, post-literacy, continuing education and science for masses, environmental education, legal literacy and technology transfer by involving students and teachers. The NSS volunteers held camps in villages and participated in rural health and hygiene related works.
- **ICT enabled functioning:** In the ongoing programme of making the functioning of University ICT enabled, already examination forms are being received, and subsequently admit cards are generated online. Also, the pay slips of the employees are available online. Likewise, library automation is in under process.

7.4 Contribution to environmental awareness / protection

- Plantation of trees and celebration of World Environment Day on 5th June, 2015 was organized by IQAC in collaboration with Department of Zoology and Biotechnology.
- In addition, programmes were organized on occasion of International Ozone day, Earth Day, World Forestry Day, World Population Day etc. by different departments of the University.
- Environmental Awareness Campaigns were organized by the NSS Volunteers.

7.5 Whether environmental audit was conducted? Yes ☐ No ☒

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

The University being located in the pristine Himalaya offers immense scope for research on natural resources and the same is being done too. However, at times the relative remoteness of the region with connectivity by road only, limits frequent visits by external experts. Nevertheless, the dedicated faculty members and inspired students of the University strive hard to achieve excellence in all spheres of academic life.

8. Plans of institution for next year

- The University is committed to implement the CBCS in UG programmes in letter and spirit.
- The departments shall be encouraged to organize Seminars, Workshops, Summer Schools etc.
- New job oriented certificate, diploma courses shall be introduced.
- Impetus will be given to extension activities so as to fulfil the institution's social responsibility.
- More linkages shall be developed with the industry for facilitating student placement.

Name (Prof. O.P. Gusain)

Omprakash Gusain
30.12.15

Signature of the Director, IQAC

Name (Prof. J.L. Kaul)

JL Kaul 30/12/15

Signature of the Chairperson, IQAC



PROSPECTUS 2014-2015

Annexure I

1. Academic Calendar Session 2014-15

(Approved by the Admission Committee held on 22-05-2014)

1. Commencement of the sale of Admission-Forms July 07, 2014
2. Commencement of the Academic Session July 21, 2014
- 3.a. Last date for submitting Admission-Forms for admission to B.A./B.Sc./B.Com.
All UG & PG Courses(Semester System) Ist Sem. July 26, 2014
- b. Last date of Admission for all classes August 30, 2014
- c. Last date for admission (payment of prescribed Admission-Fees) to
B.A./B.Sc./B.Com. (Parts II & III) August 30, 2014
- OR
- With in twenty (20) days of the issuance of Marks-Sheet of the preceding Class by the University,
which ever is Later;
- d. Commencement of classes August 05, 2014
- 4.a. Despatch of Examination-Forms to Campuses/Affiliated Colleges/Institutions (Annual) Sep. 30, 2014
- b. Last date for the receipt in the University of the duly completed Examination-Forms/Enrollment-
Forms / Migration-Certificates from Campuses/Affiliated Colleges / Institutions Nov. 01, 2014
- c. Last date for submission of Examination-Form by Regular Students to their respective Colleges/
Institutions upon payment of Late Fees of Rs.500/- Nov. 11, 2014
- d. Last date for the receipt in the University of the Duly Completed Examination-Forms along with
Late-Fees from Affiliated Colleges / Institutions Nov. 29, 2014
- e. Conduct of Written Examinations March 30, 2015 to May 30, 2015
5. Course duration (including Examinations) for Courses with Semester System of Examinations
including Professional and Vocational Courses.
- (a) Odd Semester 05-08-2014 to 24.12.2014
- (b) Even Semester 06-01-2015 to 04-06-2015
6. Winter Vacations Dec. 26, 2014 to Jan 05, 2015
7. Summer Vacations June 05, 2015 to July 15, 2015
8. Important dates for courses with Semester System of Examinations:
- (a) All U.G. & P.G./P.G. Diploma Courses (odd Semester)
- a. Last date of Admission Aug. 30, 2014
- a. Commencement of classes Aug. 05, 2014
- a. Last date for submitting Examination Forms Sept. 20, 2014
- a. Commencement of Theory Examinations Dec. 08, 2014
- (b) All U.G. & P.G./P.G. Diploma Courses (even Semester)
- a. Commencement of the Academic Session Jan. 06, 2015
- a. Last date of submission of Admission forms/registration Jan. 12, 2015
- a. Commencement of classes Jan. 06, 2015
- a. Last date for submitting Examination Forms March 05, 2015
- a. Commencement of Theory Examinations May. 15, 2015
9. University foundation day celebration Dec. 01, 2014
10. Birthday celebration of late Shri Hemwati Nandan Bahuguna April 25, 2015

STUDENT'S FEEDBACK ON TEACHERS ANALYSIS





