

ANNUAL QUALITY ASSURANCE REPORT (AQAR)**FOR THE YEAR 2011-12****1. Details of the Institution**

BANARAS HINDU UNIVERSITY
VARANASI-221005
UTTAR PRADESH

Institution web-site: www.bhu.ac.in

IQAC email: iqac.bhu@gmail.com

Name of the IQAC Co-ordinator:

For the period of report Prof. Lallan Misra, Dept. of Chemistry was IQAC Coordinator.

2. Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	86.05	2006	2011

3. Date of Establishment of IQAC :

05/06/2007

4. Institutional Status

University	CENTRAL UNIVERSITY
Affiliated College	NO
Constituent College	YES
Autonomous college of UGC	NO
Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI)	YES
Type of institution	CO-EDUCATIONAL/URBAN
Financial Status	Grant-in-aid from UGC + Self financing
Type of Faculty /Programme	ARTS, SCIENCE, COMMERCE, LAW, EDUCATION, MANAGEMENT, MEDICINE, AYURVEDA, AGRICULTURE, VISUAL ARTS, PERFORMING ARTS, SANSKRIT VIDYA DHARM VIGNAN, SOCIAL SCIENCE

The Banaras Hindu University (BHU), founded by Mahamana Pandit Madan Mohan Malaviyaji in 1916, is one of the most prestigious Central Universities in the country. An autonomous institution of distinction having the Hon'ble President of India as its Visitor. BHU is the largest residential University in Asia. Being a living embodiment of such visionaries as Mahamana Malaviyaji, Dr. Annie Besant and Dr. S. Radhakrishnan, this seat of learning epitomizes a synthesis of ancient wisdom and modern scientific temper. The holistic model of education, conceived and enriched by its illustrious founder, offers refreshingly new perspectives to young minds and nurtures and facilitates their creative talent.

The picturesque main campus of BHU is spread over 1300 acres of land with its majestic buildings of monumental architectural design, sprawling lush green fields and canopies of magnificent avenues, bearing testimony to the ingenuity and foresight of the founder. The Rajiv Gandhi South Campus of BHU, spread over 2600 acres of land, is located at Barkachha (district Mirzapur) about 80 km from the main campus.

The University comprises of 4 Institutes (Institute of Medical Sciences, Institute of Technology, Institute of Agricultural Science and Institute of Environmental and Sustainable Development) and 16 Faculties.

BHU has successfully equipped itself to meet the challenges of present day education – creating a complete system of knowledge production, processing and dissemination. The University has become a fully wired campus with a highly elaborate internet network ramifying through all Departments, Laboratories and students hostels, efficiently maintained by the Computer Centre. A Central Library having more than a million volumes functions alongwith a chain of Departmental library systems. The University museum of national importance 'Bharat Kala Bhavan' is a treasure-trove of rare art and artifacts. It attracts visitors from all over the world and helps in teaching and research in the subjects like Musiology, History of Arts and Ancient Indian History Culture & Archaeology.

The University provides a very healthy and conducive environment for co-curricular activities and for the all round development of students. It has a large number of Play Grounds, Indoor and Outdoor Stadia, gymnasium, Air/Naval/Infantry wings of NCC, Mountaineering Centre and Hobby Centre. The University Information and Guidance Bureau and Training and Placement Cell in various Faculties help students in the placement for jobs.

a) Curricular Aspects:

- 1) The semester system is operational in all courses except in Diploma and Certificate Courses.
- 2) For bringing reasonable uniformity in the courses/ programmes of the University, a Normalising Committee was constituted to normalize the ordinances across programmes to bring parity, clarity and other features as warranted from a true Choice Based Credit System and to the extent feasible at that stage.

- 3) After under going the aforesaid exercise and after approval of the Academic Council and Executive Council, the semester system clubbed with limited choice, as could be provided at this stage, has been implemented from the academic session 2010-11 in all the programmes run across the Faculties barring the three medical Faculties in the Institute of Medical Sciences where the course/curriculum transactions are controlled by their respective regulatory bodies, such as, MCT, DCI and CCIM.
- 4) The concerned Board of Studies/ Faculty, while undergoing the aforesaid exercise, ensured that the courses contents are adequately revamped, updated practical exposure components such as field survey and projects are introduced and contemporary continuous evaluation tools brought in. It also ensured that, as far as practicable at this stage, the students of a programme are given an opportunity of registering for a course run by other natural affinity department/ faculty to enlarge the scope of inter-disciplinarity in a programme.
- 5) Under the support from Department of Bio-Technology, Govt. of India an Inter-disciplinary School of Life Sciences has been created in collaboration of various life Science departments of the Faculty of Science.
- 6) Under the support from the Department of Science and Technology, Govt. of India, a Centre for Interdisciplinary studies in Mathematical Sciences has been instituted in the Faculty of Science that works by collaborating the expertise of the Mathematical and Physical Sciences departments of the University.
- 7) Under the support from the UGC XI-Plan an Institute of Environment and Sustainable Development has been created as a single Faculty Institute, to start with, for the studies and research in the field of environment and sustainable development by collating the expertise available in the University, on the subject.

b) Teaching, Learning and Evaluation:

- 1) Several interdisciplinary, multidisciplinary and trans-disciplinary courses/programmes, suiting to the needs of the market and without compromising on academic standards, have been started.
- 2) The curriculum has been oriented to have focus on seminars, peer teaching, project work, field oriented exercises. With reduction in the programme credit requirement, the students are being encouraged for self-learning.
- 3) Remedial teaching/coaching for the slow-learners from the weaker socio-economic groups is being organized.
- 4) With the introduction of semester system in all UG/ PG programmes, the faculties have introduced semester based academic calendars. The Ordinances of respective programmes uniformly provide for continuous and transparent evaluation system that permits the examinees to look at their answer books after evaluation and seek redressal in case of genuine disagreement.
- 5) The University is encouraging the Departments/ faculties to invite guest speakers from other Institutions/ Industry to enrich the knowledge base of students through sharing of ideas and good practices.

c) Research, Consultancy and Extension

- 1) The University Research Fellowship is available to all the research scholars registered in the Ph.D. and M.Phil. programme through Common Research Entrance Test (CRET). The duration of fellowship for the Ph.D. scholars is four years.
- 2) The provision of seed money for the new / promising faculty members as research support was in place in some of the Faculties. However, as an institutional policy, a provision for the purpose has been made in the XI Plan block grant received by the University from the UGC.
- 3) To encourage consultancy services in the University and incentive based consultancy scheme has been implemented in some of the Faculties that have scope for consultancy assignment.
- 4) The University-Industry Liaison Centre is functioning in the Institute of Technology for organizing / facilitating consultancy works using the expertise of the faculty. Informal Cells, in other faculties, are functional on similar lines.
- 5) The University, through a high power Committee constituted under the Chairmanship of Rector, has identified areas of strength as thrust areas for research and expansion. Project proposals have been submitted to the UGC for consideration under its scheme on **'University with Potential for Excellence (UPE)'** and **'Centre for Potential for excellence in a Particular Area (CPEPA)'** for consideration of funding. Each faculty member is being encouraged to make conscious effort for designing a project proposal for submission to the external funding agencies, preferably in the identified areas of strength.

d) Infrastructure and Learning Resources:

- 1) The Hospital of the Institute of medical sciences The work entrusted to the Committee constituted for office automation has significantly progressed. The solution requirement study conducted by the Faculty of Management Studies is nearly completion. The presentation of vendors having experience of implementing ERP in educational setup is already over. The University's team has visited the installation sites for assessment of strength of the software from the short-listed vendors. It is expected that the bidding process would commence shortly.
- 2) Under the non-recurring grant received from the UGC for expansion of infrastructure to accommodate OBC reservation, additional hostel capacity to the tune of nearly 5000 students is being created. The construction of hostels is in full swing
- 3) Under the XI Plan block grant received from the UGC, additional residential capacity for the faculty is being created to attract and retain them.
- 4) The University, in the past 4 years, has taken up major renovation effort of the old buildings under the one-time support from the UGC. Most of the renovation work under the said grant is already over. Necessary broadening of roads and other repair works are also going in full swing from other funding support.

- 5) Significant investment has gone into augmentation of power supply infrastructure. With the overhaul of existing sub-stations and erection of new sub-stations and 132 KV Sub-station on the BHU Campus, power situation has significantly improved.
- 6) The current bandwidth availability in the University is around 100 mbps. With the increase of students due to OBC intake, it is planned to further augment it.

e) Student Support and Progression:

- 1) Remedial coaching for helping the poor students is being organized to prepare them for Civil Services and UGC-NET examinations. Simultaneously, the office of the Dean of Students has been entrusted the task of conducting programmes in personality development, communicative English, stress management, etc. to prepare the students handling other competitive examinations leading to their employment.
- 2) Efforts are on to estimate the current value of old endowment awards which have lost their significance. The idea is to pool their current corpus value for a viable student support scheme. Independent of that, the “Earn While Learn Scheme” is in-operation in the University, which provides an opportunity to the poor students earn and support themselves during their stay on the campus by working in some of the areas of the University functioning.
- 3) A central ‘**BHU-Placement Coordination Cell**’ has been constituted with its satellite Cells at the Institute/Faculty level. The terms of reference of the said cell *inter alia* include assistance to students in career planning, developing their potential to match the functional requirement of the corporate world, providing job opportunities etc.
- 4) Provision of funds as Travel grants to partially support the research scholars invited to present their papers abroad has been made. The scheme is to be further enlarged.
- 5) The campus is being made barrier free to make its buildings accessible to the physically challenged. All new buildings under construction have the provision of ramps and necessary additions in the old ones are being made in the phased manner.
- 6) For addressing the grievances of students, Student Grievances Committee has been constituted that comprises of the Students’ Council representatives and Student Advisors of certain faculties.

f) Organisation and management:

- 1) A high power Committee of the University is studying the need and scope of providing autonomy to the institutes, faculties and departments.
- 2) For the efficient management of the University, work of the group constituted to institute e-governance systems has significantly progressed. The solution requirement study conducted by the Faculty of Management Studies is nearly completion. The presentation of vendors having experience of implementing ERP in educational setup is already over. The University’s team has visited the installation sites for assessment of strength of the software from the short-listed vendors. It is expected that the bidding process would commence shortly.
- 3) To bring in efficiency in administrative processes, several measures have been

initiated. These include weeding of obsolete records, developing tools to monitor disposal of priority items, dak management system to monitor pendency etc.

1. **Highlights of academic session 2011-12**

Commemoration of 150th Birth Anniversary of Mahamana Pandit Madan Mohan Malviya

The Inaugural Function, held on December 27, 2011, was chaired by the Prime Minister Dr. Manmohan Singh and Mrs. Sonia Gandhi Chairperson of the NAC and UPA was the Chief Guest. Dr. Karan Singh, Chancellor of BHU and the Chairperson of the National Implementation Committee (NIC), Shri Kapil Sibal, Minister, HRD and Communications and IT, Kumari Selja, Minister of Culture and HUPA, and Dr. Lalji Singh, Vice-Chancellor BHU were present. The function was attended by dignitaries from the Government and foreign embassies, BHU alumni and about 500 students. An yearlong commemoration programme was launched at the function. Two biographies on Mahamana in Hindi and English were released by Mrs. Sonia Gandhi and a special Commemorative Stamp was released by the Prime Minister.

Dr. Manmohan Singh announced the establishment of a Centre for Malaviya Studies at BHU where a digital collection of his writings will be compiled. A series of countrywide seminars, lectures and exhibitions will be organised for spreading message, ideals and vision of Mahamana nationwide.

Implementing the recommendations of the National Implementation Committee, Vice-Chancellor Dr. Lalji Singh has set up a BHU Steering Committee to organize various activities. A high mark has been the approval of BHU proposal by the NIC to formalize and expand the Malaviya Centre of Human Values and Ethics as a resource centre and digital archive to provide impetus to integrate value education with all disciplines of knowledge - keeping in view the aims and objectives as proclaimed at the time of founding of the university in 1916. The NIC has also approved the establishment of Inter-Cultural Studies Centre for promotion of integration of culture at the local and national level. Both these Centres are already functional and have been organizing interdisciplinary academic and cultural activities. The NIC has recommended a grant of Rs. 14.91 crores for building with an auditorium at the Malaviya Bhavan Complex, and a recurring grant for a Malaviya Chair and academic and ministerial staff, to be provided by the MHRD through UGC. The BHU proposal to develop an exclusive website with focus on Malaviyaji has also been approved by the NIC.

The University has undertaken the task of publication of works on Malaviyaji. Two books have already been released at the inaugural ceremony. A biography and its translation in different Indian languages are proposed. The collected works of Malaviyaji are envisaged in 10 volumes. A grand closing ceremony for the year-long 150th Birth Anniversary Celebrations has been approved by the NIC and the Ministry of Culture.

Hallmark of Excellence

According to the India Today-Nielsen Survey published in India Today (May 31, 2010), BHU was ranked as the First amongst Indian Universities. This coveted recognition was based on rigorous analysis of following six parameters : Reputation, Quality of academic input, Quality of Faculty, Research Publications/ Report/ Projects, Infrastructure and Placement opportunities. Continuous endeavors have been made to improve the range and quality of teaching and research at BHU. During the session (2009-10), a 10-year survey published in the prestigious Journal **Current Science** had

placed BHU as the first among top 25 Indian Universities for publishing maximum number of research papers in indexed Journals. Since then the University has maintained its position among the top three Universities of the country in consecutive surveys by the same agencies. Other agencies have also given the University and its various Faculties/Departments similar ratings.

New Initiatives

The year under review has witnessed approval of establishing two Institutes (Institute of Science, Institute of Management Studies); a new Faculty of Veterinary and Animal Sciences with 15 Departments, and three interdisciplinary Centres (Malaviya Moolya Anusheelan Kendra, Centre for Translation Studies, Inter-Cultural Studies Centre). Besides, 3 Departments in Faculty of Dental Science and two Departments in the Faculty of Ayurveda are approved for creation.

Faculty Recruitment

In a phenomenal quality improvement measure, a new Faculty recruitment procedure on the lines of IIT, IISc and IISER, is being prepared. The revised procedure would provide a unique and desired opportunity of interaction of the Department and its students with the prospective faculty with a view to assess as to how the applicant would enrich the community in terms of research, teaching and mentoring.

Research Projects

During the year, 57 new research projects with total grants exceeding 1366 lakhs were sanctioned. Simultaneously 462 ongoing projects (total grants more than 11384 lakhs) were continued.

Research Projects during the session 2011-12				
Funding Agency	New Projects		Ongoing Projects	
	Number	Grants sanctioned (Rs. lakhs)	Number	Grants sanctioned (Rs. lakhs)
Department of Science & Technology	19	744.40	139	5916.07
University Grants Commission	12	95.10	132	786.86
Council of Scientific & Industrial Research	10	188.13	56	660.39
Department of Atomic Energy	5	98.86	16	453.86
Indian Council of Agricultural Research	2	154.17	8	1068.32
Indian Council of Medical Research	2	35.46	14	156.82
Indian Council of Social Science Research	2	9.51	8	36.43
Council of Science & Technology, UP	1	4.37	38	788.27
Central Council for Research in Ayurvedic Sciences	1	20.57		
Indian Space Research Organization (ISRO)	1	5.85	6	49.22
Oil & Natural Gas Corporation	1	7.06	1	2.37
Foreign Agencies	1	2.67	5	40.93
All India Council for Technical Education			6	11.80
Government of India			2	81.78
Ministry of Agricultural Sciences			2	74.97
Ministry of Defence			10	308.20
World Health Organization			3	530.76
Private Agencies			7	396.47
Minor Head Project			3	2.47
Indian National Science Academy			5	17.02
Indian Council of Historical Research			1	1.25
Total	57	1366.15	462	11384.26

Academic Contributions

BHU faculty members have excelled in promoting high quality academic environment. During the period 2011-12, more than 4500 publications emanated from BHU.

Academic contributions of Faculty Members during session 2011-12							
Research Paper		Articles		Books		Monographs	19
-National	1137	-National	410	-National	167	Manuals	13
-International	2071	-International	131	-International	37	Leaflets/Others	602
Total	3208	Total	541	Total	204		

Academic contributions of BHU teachers have been variously recognized. Several teachers have been elected Fellows of reputed Academics (i.e. Indian Academy of Sciences, National Academy of Sciences, Indian National Academy of Sciences). Fellowship/Associateship were awarded to several teachers to undertake advanced research abroad (i.e. Alexander von Humbolt Fellowship, Germany; Boycast Fellowship, DST; J&J Foreign Fellowship, IOA; INSA-DFC Fellowship, Germany; Fellowship to Royal College of Physicians, Ireland). Other recognitions have included many Awards, election as office-bearers of professional organizations, Chairmanship of Conferences, membership of National/ International Committees, Editorship of Journals etc.

Conferences

In order to assess developments in various subject areas and to provide opportunities for academic interaction, many Departments/Faculties organized academic meets which were well attended by outstation participants. In all 131 Conferences were organized at BHU during the session 2011-12 .

BHU teachers have actively participated in Symposia/ Seminars/ Workshops etc held in India and abroad. During 2011-12, deputations of teachers to attend various conferences were: Abroad 93, India 85 . Deputations abroad included several countries, viz. USA, Canada, Argentina, South Africa, China, UK, Japan, Bhutan, Australia, Germany.

Convocation

The 94th Convocation of the University was organized on 17th March, 2012. Smt. Meira Kumar, Speaker, Lok Sabha, addressed the Convocation as the Chief Guest. The Convocation ceremony was presided over by the Chancellor Dr. Karan Singh.

During the year under review following number of candidates were awarded degrees: Under-graduate 5208, Post-graduate 3414, M.Phil 15 and Ph.D. 461. The faculty and course-wise break up of the recipients are given in Chapter 4.

Important Meetings

BHU Court Meeting	26.11. 2011
Executive Council Meeting	15.03.2012
Academic Council Meeting	05.03.2012

Faculty Meetings

Faculty of Dental Sciences	18.04.2011
Faculty of Dental Sciences	15.12.2011
Faculty of Dental Sciences	31.01.2012
Faculty of Arts	07.05.2011
Faculty of Agriculture	04.07.2011
Faculty of Social Science	05.07.2011
Faculty of Performing Arts	18.07.2011
Faculty of Engineering & Tech.	26.09.2011
Faculty of Engineering & Tech.	27.01.2012
Faculty of Ayurveda	17.12.2011
Faculty of Ayurveda	25.02.2012
Faculty of Management	11.02.2012

Academic Composition of the University**A. Institutes**

Institute of Technology
 Institute of Medical Sciences
 Institute of Agricultural Sciences
 Institute of Environment & Sustainable
 Development

B. Faculties

Agriculture Arts
 Ayurveda Commerce Dental Science Education
 Engineering & Technology
 Environment and Sustainable Development

Law
Management
Medicine
Performing Arts
Sanskrit Vidya Dharma Vijnan
Science
Social Sciences
VisualArts

C. University College

Constituent College: Mahila Mahavidyalaya (Women's College, located inside the campus)

D. Inter-Disciplinary Schools

School of Biochemical Engineering
School of Biomedical Engineering
School of Biotechnology
School of Material Science & Technology
School of Life Sciences

E. Centres of Studies

- Food Science & Technology Environmental Science & Technology Genetic Disorders
- DST-Centre for Interdisciplinary Mathematical Sciences
- Nepal Centre
- Women Studies & Development
- Malaviya Centre for Peace Research
- Integrated Rural Development
- Social Exclusion and Inclusive Policy

F.UGC-SAP: CAS & DRS Programmes

Management Studies (DRS)-I
Material Science (DRS)-I
Mathematics (DRS)-II
Biotechnology (DRS)-II
Physics (CAS)-IV
Geography (DRS)-I
Statistics (DRS)-I
Pharmaceutics (DRS)-I
Civil Engg. (DRS)-II
Geology (CAS)-I
Chemistry (CAS)-I
Applied Mathematics (DRS)-I
A.I.H.C. & Arch. (CAS)-I
Chemical Engg. (CAS)-IV
Electronics Engg. (CAS)-III
Zoology (CAS)-V
Psychology (DRS)-I
Botany (CAS)-V

G. Other Centres/Programmes of Specialized Research

1. **Faculty of Science** - DBT-BHU- InterDisciplinary Schools of Live Science; MNRE (Hydrogen Energy Centre), Deptt. of Physics; Strengthening Space Science activities in Universities, Deptt. of Physics
2. **CFST, Institute of Agricultural Sciences** - Network Project R&D Support for process upgradation of Indigenous Milk products for Industrial Applications. Enhancing Research Capacity & initiating Integrated M.Sc./M.Tech. & Ph.D. programme in the area of Food Science & Technology.
3. **IMS** - Centre of Excellence in HIV Care, Faculty of Medicine; Determining factors associated with ART Drug Adherence HIV positives in India (NACO), Faculty of Medicine.
4. **I.T., Science, Dental Science, Ayurveda & Medicine** - DST-Promotion of University Research & Scientific Excellence (PURSE)
5. **Ayurveda** - National Resource Centre on Kshara Sutra Therapy

H. DST-FIST Programme

(Fund for Improvement of Science & Technology Infrastructure Programme (FIST) in University and Higher Educational Institutions)

School of Materials Sc. & Technology Chemistry

Metallurgical Engineering Zoology

Mechanical Engineering.

Biochemistry, IMS Geology

2. Academics

The new academic session started on Monday the 4th July, 2011 and 13,017 new students (male 8986, female 4031) were enrolled in various UG and PG courses. The faculty-wise break-up of male and female students enrolled in various UG/ PG/ Ph.D. courses is given below:

Sl. No.	Name of the Faculties/College	Male	Female	Total
1	Faculty of Agricultural Sciences	417	125	542
2	Fac. of Engg. & Technology	1196	160	1356
3	Faculty of Medicine	218	148	366
4	Faculty of Ayurveda	117	83	200
5	Faculty of Dental Sciences	21	23	44
6	Faculty of Arts	2236	734	2970
7	Faculty of Commerce	489	271	760
8	Faculty of Education	569	183	752
9	Faculty of Law	454	65	519
10	Faculty of Mgt. Studies	148	56	204
11	Faculty of Performing Arts	267	207	474
12	Faculty of Science	1510	639	2149
13	Faculty of Social Sciences	975	362	1337
14	Faculty of SVDV	240	16	256
15	Faculty of Visual Arts	129	86	215
16	Mahila Mahavidyalaya	0	873	873
	TOTAL	8986	4031	13017

During the period, 321 new foreign students male 216, female 105 were admitted in various courses.

3. Innovations in curricular design and transaction:

- a) The University campus has an extensive Local Area Network (LAN). Even the hostels of the University have a mini-computer lab of 04 PCs in each hostel connected to the network. Nearly 100 mbps of bandwidth connectivity is available across University. Therefore, the teachers are equipped with resources to tap the web resources and make it available to the students. The facility is being extensively used. Besides, the students as part of self-study can make use of the rich resources made available to them through the network.
- b) For the visually disabled students, talking books/ resource material has been developed by the Central Library.
- c) The faculties have undertaken externally funded research projects for development of e-material to be hosted on the server for easy teaching-learning.
- d) The curricula is being regularly updated and revamped with inputs on fresh reading material, resource material to provide contemporary exposure to the students.
- e) Most of the programmes extensively deploy guest speakers to enrich the experience of the students.
- f) The Department of Library and Information Sciences has included paid internship as optional component of its M.Lib. programme.
- g) Industry experts enrolled as part-time research scholars are required to deliver open house seminars to evidence their progress as also to conduct condensed one-credit open elective courses for the UG/PG students of the university.
- h) The Faculty of Law organises Moot Court for their LLB students.

4. Inter-disciplinary programmes started:

During the past 04 years, the University has instituted 33 inter-disciplinary programmes, at various levels.

5. Examination reforms implemented:

The admission to all the programmes of the University is through a national level entrance test. With the shift to the semester system, the University has completely adopted continuous evaluation process. The Ordinances of respective programmes uniformly provide for continuous and transparent evaluation system that permits the examinees to look at their answer books after evaluation and seek redressal in case of genuine disagreement. With the system in place, the procedure for revaluation has now been discontinued. Necessary measures were taken to prevent delays in declaration of results resulting in 100% on-time performance.

6. Initiative towards faculty development programme:

Following efforts have been made under the faculty development programme:

- a) Seed money for setting up research facility.
- b) Funding for organising workshops/ conference/ seminars
- c) Funding for participation in national and international workshops/ conference/ seminars.
- d) Encouragement to attend refresher/ orientation programmes organised by the Academic Staff Colleges
- e) Encouragement for submitting externally funded projects. An incentive driven project handling guidelines.
- f) Incentive driven consultancy rules.

7. Total number of seminars/workshops conducted:

National: 112

International: 21

8. Research projects:

The list of new Research projects sanctioned during 2011-12 by various funding agencies is placed below.

BANARAS HINDU UNIVERSITY

Name of the Funding Agency		
Name of Instt/ Faculty/Deptt.	No. of Projects	Amount Sanctioned
UNIVERSITY GRANTS COMMISSION		
Faculty of Science		
Chemistry	3	16,92,600.00
Physics	3	21,65,600.00
Zoology	3	24,51,600.00
Geography	1	10,21,800.00
Botany	2	21,78,800.00
DEPTT. OF SC. & TECHNOLOGY (DST)		
Faculty of Agriculture		
Myco.& Plant Path.	1	8,81,000.00
Plant Physiology	1	33,56,000.00
Faculty of Engg. & Tech.		
School of Material Sc.	1	24,61,440.00
Faculty of Medicine		
Biochemistry (Med.)	2	81,33,500.00
Centre of Experimental Medicine Surgery	1	46,59,000.00
Faculty of Science		
Zoology	5	1,35,11,400.00
Physics	3	2,50,86,188.00
Botany	1	28,13,672.00
Chemistry	3	98,52,520.00
Geology	1	36,85,400.00
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH		
Faculty of Agriculture		
Myco.& Plant Path.	1	21,50,280.00
Faculty of Science		
Zoology	3	59,50,000.00
Botany	2	46,99,400.00
Chemistry	2	39,57,300.00
Physics	1	17,76,000.00
Biochemistry (SC)	1	2,81,000.00
COUNCIL OF SCIENCE & TECHNOLOGY (UP)		
Faculty of Agriculture		
Agronomy	1	4,37,000.00
INDIAN COUNCIL OF AGRICULTURAL RESEARCH		
Faculty of Agriculture		
Soil Sc. & Agril. Chemistry	1	16,17,000.00
Gen. & Plant Breeding	1	1,38,00,000.00
FOREIGN AGENCY		
Faculty of Agriculture		
Agronomy	1	2,67,850.00
INDIAN COUNCIL OF MEDICAL RESEARCH (I.C.M.R.)		
Faculty of Medicine		
Medicine	1	14,25,400.00
Faculty of Science		
Zoology	1	21,21,076.00
DEPARTMENT OF ATOMIC ENERGY		
Faculty of Engg. & Tech.		
School of Material Sc.	1	1,50,200.00

Faculty of Science		
Geology	1	18,57,000.00
Physics	2	72,49,750.00
Zoology	1	6,30,000.00
INDIAN SPACE RESEARCH ORGANIZATION (SPACE)		
Faculty of Engg. & Tech.		
Electronics Engineering	1	5,85,600.00
INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH		
Faculty of Social Science		
Political Science	1	5,26,750.00
Psychology	1	4,24,625.00
OIL & NATURAL GAS CORPORATION		
Faculty of Engg. & Tech.		
Name of the Funding Agency		
Name of Instt/ Faculty/Deptt.	No. of Projects	Amount Sanctioned
Chemical Engineering	1	7,06,000.00

Ongoing Research Projects (2011-12)

UNIVERSITY GRANTS COMMISSION		
Faculty of Ayurveda		
Medicinal Chemistry	2	13,01,800.00
Faculty of Agriculture		
Myco.& Plant Path.	2	12,72,900.00
Plant Physiology	1	10,32,700.00
Agronomy	2	15,35,600.00
Agricultural Economics	1	2,90,000.00
Gen. & Plant Breeding	1	7,87,800.00
Extension Education	1	7,67,800.00
Faculty of Arts		
English	5	23,68,200.00
Hindi	3	12,19,200.00
French	1	2,90,000.00
Urdu	2	9,72,200.00
Persian	1	4,68,700.00
Bengali	1	0.00
Faculty of Commerce		
Dean's Office	4	20,64,700.00
Faculty of Engg. & Tech.		
School of Material Sc.	1	75,000.00
Mechanical Engineering	3	18,11,500.00
School of Biochem. Engg.	2	15,18,400.00
Ceramic Engineering	1	7,43,400.00
Chemical Engineering	1	7,36,800.00
Faculty of Medicine		
Endocrinology & Metab.	1	10,12,000.00
Faculty of Science		
Physics	13	58,83,100.00
Chemistry	13	75,91,300.00
Geology	5	30,59,300.00
Botany	13	1,00,14,800.00
Zoology	17	1,37,08,100.00
Mathematics	3	11,67,100.00
Computer Science	1	80,000.00
Geography	3	23,63,800.00
Statistics	1	7,26,800.00

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Faculty of SVDV		
Dharmagam	2	13,57,000.00
Jyotish	3	17,10,200.00
Faculty of Social Science		
Psychology	6	25,41,500.00
Economics	6	30,28,400.00
Political Science	4	21,54,080.00
Vyakaran	3	14,76,000.00
Sociology	2	10,96,300.00
History	1	4,57,000.00
DEPTT. OF SC. & TECHNOLOGY (DST)		
Faculty of Ayurveda		
Dravya Guna	1	3,00,000.00
Faculty of Agriculture		
Myco.& Plant Path.	7	1,35,32,400.00
Gen.& Plant Breeding	5	2,65,59,400.00
Extension Education	1	40,09,360.00
Plant Physiology	1	33,56,000.00
Faculty of Engg. & Tech.		
Ceramic Engineering	1	71,85,600.00
School of Material Sc.	2	65,33,440.00
Chemical Engineering	4	1,11,98,490.00
Name of the Funding Agency		
Name of Instt/ Faculty/Deptt.	No. of Projects	Amount Sanctioned
School of Biochem. Engg.	1	20,51,200.00
Civil Engineering	2	50,59,400.00
Mechanical Engineering	1	10,09,400.00
Faculty of Medicine		
Biochemistry (Med.)	4	2,16,37,000.00
Surgery	2	44,18,000.00
Microbiology	3	75,23,400.00
Nephrology	1	7,56,18,418.00
C.E.M.S.	2	64,54,000.00
Faculty of Science		
Physics	24	18,35,30,122.00
Zoology	32	9,26,08,614.00
Botany	13	3,67,40,472.00
Chemistry	10	2,09,57,120.00
School of Biotechnology	8	2,87,59,800.00
Geology	6	1,45,35,700.00
Geophysics	2	35,62,825.00
Biochemistry (SC)	2	69,10,000.00
Geography	1	15,80,900.00
Centre for Gen. Disorders	1	23,54,800.00
Mathematics	1	15,59,200.00
Mol. & Human Genetics	1	20,62,000.00
CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCES		
Faculty of Ayurveda		
Shalakya Tantra	1	20,57,000.00
COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH		
Faculty of Ayurveda		
Medicinal Chemistry	1	7,32,000.00
Faculty of Agriculture		
Myco.& Plant Path.	1	21,50,280.00
Gen.& Plant Breeding	1	17,15,501.00
Faculty of Engg. & Tech.		
Ceramic Engineering	1	19,00,800.00
Mining Engineering	1	10,88,000.00

Faculty of Medicine		
Biochemistry (Med.)	1	19,76,000.00
Faculty of Science		
Zoology	8	1,33,87,000.00
Physics	8	78,51,667.00
Botany	6	74,69,750.00
Chemistry	21	2,11,05,500.00
Geology	3	29,49,000.00
School of Biotechnology	1	5,38,000.00
Biochemistry (SC)	2	21,77,000.00
Computer Science	1	9,99,000.00
DEPARTMENT OF ATOMIC ENERGY		
Faculty of Ayurveda		
Medicinal Chemistry	1	20,80,750.00
Faculty of Engg. & Tech.		
School of Material Sc.	1	0.00
Mechanical Engineering	1	12,59,400.00
Faculty of Science		
Physics	5	2,94,48,725.00
Chemistry	2	34,14,450.00
Geology	1	18,57,000.00
Botany	1	23,28,250.00
Zoology	4	49,98,125.00
INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH		
Faculty of Agriculture		
Agricultural Economics	1	4,22,000.00
Faculty of Social Science		
Economics	3	14,51,025.00
Psychology	3	12,44,125.00
Political Science	1	5,26,750.00
COUNCIL OF SCIENCE & TECHNOLOGY (UP)		
Faculty of Agriculture		
Myco.& Plant Path.	7	3,06,87,000.00
Name of the Funding Agency		
Name of Instt/ Faculty/Deptt.	No. of Projects	Amount Sanctioned
Agronomy	6	52,38,370.00
Plant Physiology	2	24,50,000.00
Gen.& Plant Breeding	6	1,74,06,680.00
Soil Sc. & Agril. Chemistry	5	36,46,850.00
Entom. & Agril. Zoology	1	1,11,00,000.00
Farm Engineering	1	1,48,809.00
A.H. & Dairying	1	14,76,640.00
Horticulture	3	32,53,000.00
Faculty of Medicine		
Biochemistry (Med.)	1	6,96,000.00
Paediatrics	1	4,88,000.00
Faculty of Science		
Botany	2	13,08,000.00
Biochemistry (SC)	2	9,28,000.00
INDIAN COUNCIL OF AGRICULTURAL RESEARCH		
Faculty of Agriculture		
Agronomy	1	5,72,21,200.00
Entom. & Agril. Zoology	1	10,16,400.00
Myco. & Plant Pathology	1	35,60,000.00
Farm Engineering	1	2,93,00,000.00
Gen.& Plant Breeding	2	1,40,30,000.00
Soil Sc. & Agril. Chemistry	2	17,05,000.00

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FOREIGN AGENCY		
Faculty of Agriculture		
Agronomy	1	2,67,850.00
Gen.& Plant Breeding	2	6,59,164.00
Faculty of Science		
Biochemistry (SC)	1	29,09,568.00
Botany	1	2,56,883.00
MINISTRY OF DEFENCE		
Faculty of Agriculture		
Soil Sc. & Agril. Chemistry	1	30,05,400.00
Faculty of Engg. & Tech.		
Electronics Engineering	1	11,16,000.00
School of Biochem.Engg.	1	14,90,000.00
Faculty of Science		
Physics	4	2,09,06,200.00
Chemistry	3	43,02,800.00
MINISTRY OF AGRICULTURAL SCIENCES		
Faculty of Agriculture		
Gen.& Plant Breeding	1	5,90,000.00
Agronomy	1	69,07,500.00
PRIVATE AGENCY		
Faculty of Agriculture		
Soil Sc. & Agril. Chemistry	1	8,42,820.00
Faculty of Engg. & Tech.		
School of Material Sc.	1	1,84,80,600.00
Electrical Engineering	1	19,53,000.00
Faculty of Science		
Botany	2	83,67,000.00
Physics	2	1,00,04,000.00
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)		
Faculty of Agriculture		
Farm Engineering	1	1,50,000.00
Faculty of Engg. & Tech.		
Mining Engineering	1	2,90,000.00
Ceramic Engineering	1	1,50,000.00
Electronics Engineering	1	1,50,000.00
School of Material Science	1	2,90,000.00
Faculty of Science		
Physics	1	1,50,000.00
MINOR HEAD PROJECT		
Faculty of Engg. & Tech.		
Mechanical Engineering	1	1,20,000.00
Faculty of Science		
Geology	1	27,500.00

Name of the Funding Agency		
Name of Instt./ Faculty/Deptt.	No. of Projects	Amount Sanctioned
Mathematics	1	1,00,000.00
IS.R.O. (SPACE)		
Faculty of Engg. & Tech.		
Chemical Engineering	1	18,00,000.00
Electronics Engineering	1	5,85,600.00
Faculty of Science		
Geophysics	1	6,00,000.00
Geology	1	7,34,000.00
Physics	2	12,02,900.00
INDIAN COUNCIL OF MEDICAL RESEARCH (I.C.M.R.)		
Faculty of Medicine		
Obst &Gynaecology	1	0.00
Biochemistry (Med.)	1	42,88,320.00
Surgery	2	12,89,585.00
Medicine	2	25,61,544.00
Pathology	1	10,07,397.00
Physiology	1	6,03,984.00
Endocrinology & Metab.	1	11,99,880.00
Faculty of Science		
Botany	1	6,31,684.00
Zoology	4	41,00,234.00

Name of the Funding Agency		
Name of Instt./ Faculty/Deptt.	No. of Projects	Amount Sanctioned
GOVERNMENT OF INDIA		
Faculty of Ayurveda		
Dravya Guna	1	60,00,000.00
Faculty of Medicine		
Pharmacology	1	21,78,550.00
W.H.O.		
Faculty of Medicine		
Medicine	2	4,83,81,251.00
Faculty of Science		
Statistics	1	46,95,744.00
O.N.G.C.		
Faculty of Science		
School of Biotechnology	1	2,37,820.00
I.N.S.A.		
Faculty of Science		
Botany	3	13,82,419.00
Physics	1	1,70,000.00
Faculty of Social Science		
Economics	1	1,50,000.00
I.C.H.R.		
Faculty of Social Science		
History	1	1,25,000.00

9. Patents

1.	Effect of Surface Nanocrystallization on Osseointegration of Cp-Titanium; Indian Patent Application filed on 25.05.2011 & published in Journal No. 33/2011 on 19.08.2011; Prof. Vakil Singh, Department of Metallurgical Engineering, IT, BHU
2.	A Chemically Standardized Composition Containing Plant Essential Oils Efficacious as Anti-Fungal, Aflatoxin Suppressor, Insecticidal and Anti-Oxidant; Modified Title: A Novel Plant Essential Oil Synergistic Composition and its Preparation; Indian Patent Application filed through TIFAC, DST, New Delhi No. 233/DEL/2011 d ated 01.02.2011; Prof. N. K. Dubey, Department of Botany, Faculty of Science,
3.	Invention on Asteraceae and Papavereae Plants Extracts as Efficient Corrosion Inhibitors, Calcium Ion-Sensor Comprising Ionophore/Carrier Ion-Free Polyindole-Camphor Sulphonic Acid Composite; Indian Patent Application/National patent Filed CBR No. 8378 d ated 04.10.2010; Dr. Rajeev Prakash, Coordinator, School of Material Science & Technology, Institute of Technology, BHU
4.	A Novel Architecture for Very Sensitive Pressure Sensor ; Indian Patent Application No.67/DEL/2011; Dr. B. S. Chaurasia, Guest Faculty & Ph. D. Scholar, Department of Electronics Engineering, Institute of Technology, BHU
5.	Novel Pseudomonas Aeruginosa Bacteriophages and their Usage in Septicaemia; Application under process-Draft patent is in process to be sent to Examiner; Prof. Gopal Nath, Department of Microbiology, Institute of Medical Sciences, BHU
6.	Therapeutic Uses of Piper Longum Root Powder for Prevention and Treatment of Mild Intermittent Stress Induces Psychopathology; Patent Application under process; Dr. Vikas Kumar, Associate Professor, Department of Pharmaceutics, Institute of Technology, BHU
7.	A Novel Poly-Herbal Preparation for the Prevention of Atherosclerosis and Hyper Lipidemia; Patent Application under process; Prof. Yamini Bhushan Tripathi, Department of Medicinal Chemistry, Institute of Medical Sciences, BHU
8.	Novel Anti-Platelet and Anti-Thrombotic Properties of Nano Silver with Potential Therapeutic Applications; Patent Application under process; Prof. D. Dash, Head, Department of Bio-chemistry, Institute of Medical Sciences, BHU
9.	Phenomenon of Humidity Controlled Regaining of Mobile Ionic Charge Carriers in Starch based Electrolyte; Patent Application under process; Dr. Neelam Srivastva, Ass istant Professor, Department of Physics, Mahila Maha Vidyalaya, BHU
10.	Diagnosis of Indian Visceral Leishmainiasis (VL) by Nucleic Acid detection using PCR Identification and Characterization of L.Donovani Specific Antigen, Patent Application under process; Dr. Shyam Sunder, Professor, Department of Medicine, Institute of Medical Sciences, BHU
11.	Iron Alumina based Metal Matrix Composite Material; Patent Application under process; Prof. Devendra Kumar, Department of Ceramic Engineering, Institute of Technology, BHU
12.	Removal of Arsenic (iii) from Waste Water using Lactobacillus Acidophilus; Patent Application under process; Dr. (Mrs) Asha Lata Singh, Ass istant Professor, Enviornmental Science, Department of Botany, Faculty of Science, BHU

13.	Reactive Compatibilization of Polycarbonate and Poly (Methyl Methacrylate) with novel catalysts ($\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$, $[\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{COO}]_3\text{Sn}(\text{CH}_2)_3\text{CH}_3$) and $[[\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{C}_2\text{H}_5)\text{COO}]_2\text{Sn}]$: Evidence for Homogeneous Blend Formation; Miscible Polycarbonate–Polyacrylate Blends through Reactive Extrusion Compatible Blend of Polycarbonate with Acrylate Polymer Patent Application under process; Prof. Dhananjay Pandey, School of Material Sciences Technology, Institute of Technology, BHU
14.	Patenting of an Innovative Idea in the Field of Pharmaceutical Engineering; Patent Application under process; Prof. Sanjay Singh, Department of Pharmaceutics, Institute of Technology, BHU
15.	A Neural Net Implementation of SPCA Pre-Processor for Gas/ Odor classification using the responses of thick film Gas sensor array; Patent Application under process; Dr. N. S. Rajput, Department of Electronics Engineering, Institute of Technology, BHU
16.	Pharmaceutical Study and Pharmacological Evaluation of Brahmi Ghrita: A Preclinical Study; Patent Application under process; Dr. K. R. C. Reddy, Associate Professor, Department of Rasa-Shastra, Faculty of Ayurveda, Institute of Medical Sciences, BHU
17.	Hearing Aid along with Wireless Doorbell Vibrator System and Electronic Door Bell Vibrator and Electronic Troche Light Facility; Patent Application under process; Shri Sudip Paul, Sr. Research Fellow, School of Bio Medical Engineering, Institute of Technology, BHU
18.	Synthesis of Promising Novel Binary Organic White Light Emitting Material; Patent Application under process; Dr. R.N. Rai, Associate Professor, Department of Chemistry, Faculty of Science
19.	Desulfurization of Coal with <i>Ralstonia</i> sp. And <i>Pseudoxanthomonas</i> sp.; Patent Application under process; Dr. (Mrs) Asha Lata Singh, Assistant Professor, Environmental Science, Department of Botany, Faculty of Science, BHU
20.	Hepatoprotective Effect of <i>Phyllanthus Fraternalis</i> against Cyclophosphamide Potent Anticancer Drug; Patent Application under process; Dr. Swarn Lata, Associate Professor, Department of Zoology, M.M.V., BHU
21.	Process for Isolation and Purification of Peroxidase Enzyme from Rice and Application; Patent Application under process; Dr. Kavita Shah, Associate Professor, Institute of Environment and Sustainable Development, BHU
22.	Piezoelectric Bone Cement for Bio-Medical Application; Patent Application under process; Sri Govind Kapusetti, Sr. Research Fellow, Department of Bio-Medical Engineering, Institute of Technology, BHU
23.	Development of Nanogold–based Diagnostic Marker for Cardiovascular Disorders; Patent Application under process; Prof. D. Dash, Head, Department of Bio-chemistry, Institute of Medical Sciences, BHU
24.	Removal of Toxic Trace Metals from Coal with Mixed Bacterial Consortia; Patent Application under process; Dr. P. K. Singh, Associate Professor, Department of Geology, BHU
25.	Carbon Paste Electrode Modified with Peroxidases from Rice Plants and its Application; Patent Application under process; Dr. Kavita Shah, Associate Professor, Institute of Environment and Sustainable Development, BHU

10. Honours/Awards to the faculty:

Awards

Award & Awarding Body	Recipient & Department
Lifetime Achievement Award , Bio Spectrum Awards 2011	Dr. Lalji Singh, Vice -Chancellor, BHU
Bhumi Nirman Award, for Outstanding Contribution in Dairy Technology, Bhumi Nirman, Bhopal, Madhya Pradesh (2011)	Dr. D. C. Rai Deptt. of Animal Husbandry & Dairying
Life time achievement award for contribution in Acarology, International Congress on Acarology Taylor & Francis Group, London	Prof. Janardan Singh Deptt. of Entomology & Agricultural Zoology
Distinguish Scientist Award, Society for Research Development	Prof. H.B. Singh Deptt. of Mycology and Plant Pathology
Prof. Panchanan Maheshwari Medal, Indian Botanical Society	Prof. H.B. Singh Deptt. of Mycology and Plant Pathology
Rashtriya Shiksha Samman Puraskar and Gold Medal in a Seminar on Individual Achievements & Intellectual Excellence & National Development, Indian Society for Industry and Intellectual Development on 4th Nov. 04, 2011 at New Delhi	Prof. B. Bose Deptt. of Plant Physiology
Award for Excellence in Food Biotechnology, Society of Applied Biotechnology	Dr. Alok Jha, Coordinator Centre of Food Sc. & Technology
MNAMS, National Academy of Medical Sciences	Dr. Royana Singh, Deptt. of Anatomy
FAMS, National Academy of Medical Sciences	Prof. M.K. Agarwal Deptt. of ENT
FAADV, Asian Academy of Dermatology & Venerology (AADV)	Prof. S.S. Pandey, Deptt. of Dermatology & Venerology
Bharat Vidya Siromani Award for outstanding achievements in chosen field of activity, Indian Solidarity Council, New Delhi	Prof. S.K. Singh, Head & Dean Faculty of Management Studies received the Award for the Faculty
Rashtriya Vidya Gaurav Gold Medal for contributing to Management Education, International Institute of Education and Management, Delhi	Prof. S.K. Singh, Head & Dean Faculty of Management Studies received the Award for the Faculty
Asia-Pacific International Award for Management Education, Global Achievers' Foundation, Delhi	Prof. S.K. Singh, Head & Dean Faculty of Management Studies received the Award for the Faculty
Dewang Mehta B-School Award 2011 Best Academic Input (syllabus) in International Business. Business School Affairs, Mumbai	Faculty of Management Studies
Innovation Leadership Award, DNA & Stars of Industry Groups	Faculty of Management Studies

Indian Solidarity Council Award, Jewel of India, New Delhi, Indian Solidarity Council New Delhi	Dr. S.R. Sonni Deptt. of Vocal Music
National Mahila Ratna, International Institute of Education Management, New Delhi	Dr. S.R. Sonni Deptt. of Vocal Music
Shiksha Ratna Puraskar, Indian Internal Friendship Society, New Delhi	Dr. S.R. Sonni Deptt. of Vocal Music
Best Citizen of India Award, International Publishing House, New Delhi	Dr. S.R. Sonni Deptt. of Vocal Music
Eminent Edicationalist Award, International Ins titute of Educational Management, New Delhi	Dr. S.R. Sonni Deptt. of Vocal Music
Global Achievers Award, New Delhi	Dr. S.R. Sonni Deptt. of Vocal Music
Prof. C.N. Rao education foundation Award for excellence in science research, 2012, Banaras Hindu University	Prof. A.M. Kayastha School of Biotechnology
Prof. C.N. Rao education foundation Award for excellence in science research, 2011, Banaras Hindu University	Prof. L.C. Rai Deptt. of Botany
Prof. S.B. Saxena memorial award, 2011, Indian National Science Academy, New Delhi	Prof. L.C. Rai Deptt. of Botany
Shiksha Rattan Puruskar, 2011, India International Friendship Society, New Delhi	Prof. L.C. Rai Deptt. of Botany
Dr. Shome Memorial Lecture Award, Mycological Society of India, Chennai	Dr. R.N. Kharwar Deptt. of Botany
Prof. R.C. Shah Memorial Award, Indian Science Congress Association	Dr. V.K. Tiwari Deptt. of Chemistry
Enrichment Fund Award, The Association of American Geographers, Washington (USA)	Dr. Ravi S. Singh Deptt. of Geography
Recipient of UGC-BSR Faculty Award, 2011, UGC	Prof. B. N. Singh Deptt. of Zoology
UGC BSR Award (2011), Indian Science Congress	Prof. C. Haldar Deptt. of Zoology
A.v. Humboldt Instrument subvention Award (3 rd phase) 2011, AvH foundation, Germany	Prof. C. Haldar Deptt. of Zoology
AIFACS Award, All India Fine Arts & Craft Society, New Delhi, 2011	Mr. Sanjeev Kishor Goutam, Deptt. of Painting
Akademi Award -2012, Lalit Kala Academy, Lucknow,	Mr. Sanjeev Kishor Goutam, Deptt. of Painting
Young Engineers Award , Institute of Engineers (India)	Dr. S.K. Palei, Deptt. of Mining Engg.
Best Paper, Indian Journal of Pharmaceutical Sciences	Dr. D.N.S. Gautam, Deptt. of Rasashastra, RGSC
On Best Res earch Paper in Metaphysics Section (Dr. Vijayshri Smriti -Yuva-Puraskar), Akhil Bhartiya Barshan Parishad	Dr. Rajesh Kumar Chaurasia (Philosophy) Vasanta College for Women

11. Community services:

The University renders the Community Services through field trips, workshops, community meets, Department of Preventive & Social Medicine, Rural and Urban Health Centres, Centre for Women's Study and Development, NSS, Department of Agricultural Extension Education, Krishi Vigyan Kendra etc.

Every year the N.S.S. organizes a number of special camps in the adopted villages and slums of the city. Following types of Programmes are undertaken during the camps.

- (a) Adopted village and slums areas of city are visited by students of concerned faculties/colleges and their lanes and areas around ponds are cleaned by the students, specially wells, ponds and Ghats of Ganges, etc.
- (b) A Special camps of AIDS awareness/water conservation and communal harmony Rallies are organized by MMV, BKM, VKM, Arya Mahila College, DAV Degree College, Science, Social Sciences and Faculty of Arts.
- (c) Girls campers teach village women cutting and sewing of cloths and doing embroidery in off hours. They also explain to the women the benefits of family planning, importance of child care hygiene and environmental sanitations.
- (d) Socio economic survey is carried out in the adopted villages by the campers.
- (e) Education, Health, sanitation awareness and other several programmes are undertaken on the campus itself.

Apart from the above, various departments of the Institutes/Faculties are carried out following Community Services during the period under report:

1. The **Institute of Agricultural Sciences** organized several training programmes for farmers and agricultural officers. Especially, Women farmers of Mirzapur and Sonbhadra district trained for the formation of SHG and nutritional garden. Farmers training were organized in their villages under NAIP component.

2. **Krishi Vigyan Kendra:** Conducted (i) 40 On-farm trials (ii) 559 FLDs (iii) 87 Trainings on Crop Production, Horticulture, Soil Health and Fertility Management, Livestock Production and Management, Plant Protection, Agric. Engineering, and Rural Craft with 1795 participants (iv) 15 Field days with 275 participants (v) 5 Kisan Goshthis with 118 participants (vi) 1 Kisan Melas with 1567 participants (vii) Had 2 Farmers-Scientists interactions (viii) Delivered 15 Radio-TV talks (ix) Published 27 Popular articles; Centre Visited by 1571 farmers.

3. Institute of Medical Sciences

- **Cardiothoracic Surgery:** Conducted public education programme on "Prevention of tobacco related cancers - Cancer Lung & Cancer Oesophagus".
- **Endocrinology:** Organized weekly patient education programmes
- **General Surgery:** Organized Health Camp at Sitamarhi.
- **Neurology:** Organized Epilepsy Awareness Programme in schools of Varanasi.
- **Ophthalmology:** Organized different Eye Camps.
- **Urology:** Conducted Urology clinic and held live demonstrations of various open and endourology procedures at Nehru Hospital, Singrauli.
- **Kayachikitsa-** Collaborated with Kerala Ayurveda Limited for Panchakarma services.

- **Swasthviritta & Yoga**- Organized health camp at school to provide yoga training to enhance memory power and reduce stress in children.
- **Shalakya Tantra** - Organized eye check-up and ocular hygiene awareness camp in Malviya Shishu Vihar School.

4. TEPP Innovation Centre, Institute of Technology

Technopreneur Promotion Programme (TEPP) works in a network mode with several outreach centres spread across the country. TEPP along with its network partners provides grants, technical guidance and mentoring to independent innovators to emerge as entrepreneurs by incubation of their idea and enterprise in two phases.

■

12 Teachers and Officers newly recruited (during 2011-12):

Teaching appointment

Name of the Post	General	SC	ST	OBC	Minority	Total
Professor	-	-	-	-	-	-
Associate Professor	-	-	-	-	-	-
Assistant Professor	01 (VI)	-	-	-	-	01

Non-Teaching appointment

Name of the Post	General	SC	ST	OBC	Minority	Total
Group – ‘A’	-	-	-	-	-	-
Group – ‘B’	-	-	-	-	-	-
Group – ‘C’	5	-	-	-	-	5
Group – ‘D’	33	4	3	16	1	57

13. Teaching-Non-teaching staff ratio:

Sanctioned Post Teachers: 2395

Non-Teaching : 5116

Teaching-Non Teaching Ratio: 1 : 2.2

14. LIBRARY

The Banaras Hindu University Library, one of the largest university libraries in the country, had its germ seed in a small but precious collection donated in the memory of Late Justice Kashinath Trimbak Telang by his son Prof. P.K. Telang and housed in the Telang Hall of the Central Hindu College, Kamachha. It is one of the largest University Library Systems in the country. The Banaras Hindu University with 15 faculties comprising 130 subject departments and 4 Interdisciplinary Schools has a library system with the Central Library at the apex, three Institute Libraries, namely, Institute of Agricultural Sciences, Institute of Technology, and Institute of Medical Sciences, 8 Faculty Libraries, 25 Departmental Libraries.

The Central Library has been a Depository Library for publications of the United Nations and its agencies. After the scheme of depositing (free of cost) ceased in 1973, the library continued to obtain U.N. publications by way of depository library subscription scheme and select purchases. BHU Library is a part of UGC-INFONET and INDEST Consortia for e-journals subscription. BHU is having access to above 6000 full-text online journals and databases.

BHU library is the only university library in India which has access facility to the Web of Science and Journals Citations Report. Under the INFLIBNET Programme, Banaras Hindu University Library has been recognized as Document Delivery Centre along with the five libraries of the country, to provide electronic delivery of documents to ensure speedy and quick delivery of documents to the outside users and to encourage and facilitate the resource sharing Central Library has been recognized as a Manuscript conservation Centre (MCC) by National Mission for Manuscripts, Ministry of Culture, Govt. of India.

STATISTICAL STATEMENT

1. Books and Periodicals

A. Total number of books and periodicals (bound volumes) at the beginning of the year 2011-2012	10,78,400
B. Total number of books added during the year 2011-2012	16,781
C. Number of periodicals (print version) added during the year 2011-2012	
(i) Print version	Nil
(ii) E-books databases with total no. of book	20,268
D. Number of Journals Citations available through Web of Science	16,600
E. Number of volumes accessioned	16,781
F. Number of current periodicals received (1st January to 31st December 2011)	
(a) Subscribed (Hard Copy)	610
(b) Subscribed Online Journals	3,607
(c) Free (Irregular)	986
(d) Free online journals	8,000
G. Number of volumes bound	6,413

2. Technical (English)	
A. Number of books processed	21,941
B. Number of bound volumes of periodicals processed	619
C. Number of theses processed	243
D. Rebound Books	1,166
2A. Technical (Hindi)	
A. Number of books processed	8,691
B. Number of bound volumes of periodicals processed	43
C. Number of theses processed	Nil
D. Rebound Books	771
3. Services	
A. Working hours	
(a) Weekdays	9.00 a.m. to 9.00 p.m.
(b) Sundays and holidays	10.00 a.m. to 5.00 p.m.
(c) Number of days library opened	359
B. Membership and Circulation of Books	
(a) Membership	
(1) Students	15,097
(2) Staff (as on 31-3-2012)	4,599
(3) Consultation Facility	574
(b) Circulation of books (Issue)	
(1) Students	1,01,507
(2) Staff	10,495
(3) Sectional Library	12,505
C. Reference Section	
a) Registration of Outsider	
i) Number of outsider registered	574
ii) Total Registration Fees received	27,440
b) Readers Consultation	
i) Number of reference books consulted	8,000
ii) Number of queries and correspondence	7,500
D. Text Books Section	
Number of volumes consulted	45,560
E. Stacks	
(a) Number of volumes served (Books & Periodicals)	2,75,512
(b) Number of volumes replaced(Books & Periodicals)	3,14,487
F. Periodicals Section	
(a) Number of readers served	62,850
(b) Number of issues of journals, magazines and dailies Consulted	75,380

G. U.N. & Government Publications Section	
(a) Number of readers served	477
(b) Number of documents consulted	860
(c) Number of documents added (including mimeographed)	72
H. Manuscripts Section	
(a) Number of readers served	314
(b) Number of documents consulted	578
(c) Number of Rare Documents Digitized	285
I. Reprographic Unit	
Number of pages photocopied (Including official)	3,07,025
J. Computer and Network Services Division	
(a) Data Sheets preparation	Nil
(b) Data Entry in Computer	31,537
(c) Delnet Services	4
(d) Material received from Delnet	2
K. Internet facilities	
(a) Number of readers served	14,932
(b) Number of printout provided	6,798
L. Theses Section	
(a) Number of readers served	15,504
(b) Number of thesis consulted	16,116
M. Online Services	
(a) Full text online journals	6600
(b) On line data bases	11
N. Rajiv Gandhi South Campus Library	
(a) Total number of books as on 31.03.2011	10,293
(b) Total number of books added during the year	1,282
(c) Book Issued	35,400
(d) Book Consulted	1,34,660
4. Finance	
(1 st April, 2011 to 31 st March, 2012)	
A. Expenditure	
(a) Books and periodicals	
Maintenance Grant	4,79,64,375.00
Merged Grant	17,65,875.00
(b) Binding	3,06,000.00
(c) Reprography	1,19,000.00
B. Receipt	
(a) Overdue	3,16,656.00
(b) Replacement cost of lost books	1,14,746.00
(c) Loss token	245.00
(d) Reprography	1,74,274.00
(e) Internet Services: Print outs	3,791.00
(f) Library consultation fees	27,440.00
(g) Other	35,152.00

15. Computer Centre

Computer Centre is imparting a vital role in the development of academic knowledge in Banaras Hindu University, Varanasi. The centre is providing computing facility, internet facility and web service facility to the students, research scholars, and faculty members in the development of education and research. The University has nearly 40,000 net users including all the Institutes, Faculties. Departments, Schools, offices and Hostels. The Centre is providing mail facility to the university community for sharing of information and communication using open source software.

Computerization of administration and the process of admissions and examination results, issue of certificates:

- a) Efforts to computerise administrative process has been initiated.
- b) The pre-entrance test processes, evaluation of answer sheets, declaration of entrance test results, admission, collection of admission fee are totally computerised.
- c) The tabulation registers are computer generated.
- d) The marks sheet and degrees are also computer generated.

16. Increase in the infrastructural facilities:

The UGC has sanctioned a grant of Rs.4,455.00 lakhs towards construction of Building under XI-Plan Grant and Rs.274.00 crores under OBC Expansion plan. The details are:

- Under the non-recurring grant received from the UGC for expansion of infrastructure to accommodate OBC reservation, additional hostel capacity to the tune of nearly 5000 students is being created. The construction of hostels is in full swing and additional capacity is expected to be available prior to the commencement of Academic Session 2011-12.
- Under the XI Plan block grant received from the UGC, additional residential capacity for the faculty is being created to attract and retain them.
- The University, in the past 4 years, has taken up major renovation effort of the old buildings under the one-time support from the UGC. Most of the renovation work under the said grant is already over. Necessary broadening of roads and other repair works are also going in full swing from other funding support.
- Significant investment has gone into augmentation of power supply infrastructure. With the overhaul of existing sub-stations and erection of new sub-stations and 132 KV Sub-station on the BHU Campus, power situation has significantly improved.

17. Computer and internet access and training to teachers and students:

The University campus has an extensive Local Area Network (LAN) with nearly 400 kms of wiring. Almost all the units are wired and connected to servers of Computer centre and central Library. Even the hostels of the University have a mini-computer lab of 04 PCs in each hostel connected to the network. Nearly 100 mbps of bandwidth connectivity is available across University. Therefore, the teachers and students are equipped with resources to tap the web resources and make it available to the students. The facility is being extensively used. Besides, the students as part of self-study can make use of the rich resources made available to them through the network.

18. Financial aid to students:

Sl. No.	Name of the Scholarship	Number
1.	UGC Research fellowship @ Rs.5000/-p.m. with contingency @ Rs.8000/-p.a. for Humanities & Social Sc. And @ Rs.10000/-p.a. for Science including I.T., I.M.S. & Agril. Sciences under XI Plan Scheme No. 4027	1373
2.	UGC (AT any one given time basis Scheme) NET JRF in Science @ Rs.16000/ - p.m. grant of @ Rs.12,000/- p.a., SRF @ Rs.18000/- p.m. with contingency grant of @ Rs.25000/- p.a. and NET JRF in Science and @ Rs.16000/- p.m. with contingency grant of @ Rs.10000/- p.a. SRF @ Rs.18000/- p.m. with contingency grant of @ Rs.20,500/- p.a. in Humanities & Social Sciences	600
3.	CSIR NET JRF in Science @ Rs.16000/- p.m. with contingency grant of Rs.20000/- p.a. SRF @ Rs.18000/- p.m. with contingency Rs.20000/- p.a.	326
4.	Senior Research Fellowship for Institute of Technology @ Rs.20000/ - p.m. with contingency @ Rs.25000/- p.a.	67
5.	JRF Post M.Sc. Research Fellowships @ Rs.12000/- p.m. Institute of Technology with contingency Rs.12000/- p.a.	14
6.	CAS/SAP merged Junior Research Fellowship @ Rs.16000/- p.m. and Research Associateships with contingency Rs.12000/- p.a. in the Department of Zoology, Botany & Electronics Engg.	18
7.	Ayurveda Junior Research Fellowship in I.M.S. @ Rs.16000/- p.m. with contingency grant of Rs.10000/- p.a. to Humanities P.G.'s and Rs.16000/ - p.a. to Science and Ayurveda.	13
8.	Junior and Senior Research Fellowships in Centre of Experimental Medicine and Surgery Research Laboratory in IMS @ Rs.16000/- p.m. and Rs.18000/- p.m. with contingency Rs.12000/- to Science P.G.'s.	15
9.	Rajiv Gandhi National Fellowship JRF @ Rs.16000/- p.m. SRF @ Rs.18000/- p.m. with contingency @ Rs.10000/- & Rs.20,500/- p.m. in Humanities & Social Sciences and @ Rs.12000/- p.a. & Rs.25000/- p.a. in Science.	241
10.	UGC Research Fellowship in Science for Meritorious students under IX Plan RFSMS Scheme to the identified SAP departments @ Rs.14000/- p.m. with contingency @ Rs.6000/- p.a.	70
11.	Research Fellowship @ Rs.16000/- p.m. with contingency @ Rs.10000/- p.a. in the Centre for the Study of Nepal	04
12.	DBT – JRF @ Rs.16000/- p.m. with contingency @ Rs.30,000/- p.a. awarded by the Deptt. of Biotechnology, University of Pune.	16
13.	Indira Gandhi P.G. Scholarship for single girl child	10
14.	Govt. of India scholarship under Beureo of Police Research & Dev., Ministry of Home affairs	01
15.	UGC-P.G. Scholarship for Professional Course for SC/ST	00
16.	UGC-Dr. D.S. Kothari (Post Doctoral Fellowship @ Rs.22000/ - p.m. and Rs. 28,000/- with contingency @ Rs.50000/- per year.	22

Besides offering various scholarships/fellowships to the meritorious and needy students from University's own resources as well as various other funding agencies, following other students welfare activities were also undertaken:

- 21 blind students and 22 physically challenged students were given free meal for 7 months

w.e.f. 2nd Oct. 2009 to 30th April 2010.

- Tricycles were given to 22 handicapped students.
- Under Anna Dan Yojana of Shri Vishwanath mandir, 60 students were given free meal.
- A number of students were provided free medical aid (unforeseen situation) during the session 2009-10.
- 75 financially weak students were provided with financial assistance @ Rs. 2000/- per student.
- 17 Research Scholars were provided help to the tune of Rs. 8000/- to attend various conferences overseas.
- Cash award of Rs. 4000/- and Rs. 3000/- were given to 1st and 2nd rank holders respectively of all UG and PG students of the University.

19. Alumni Cell

The Alumni Cell, BHU was constituted by the orders of the Hon'ble Vice-Chancellor in February, 2006 to take up all those activities which will cement Alumni-Alma interactions. This includes the preparation and updating of Alumni database, publication of works on and by Mahamana, organization of national, international and regional level Alumni Meets and the publication of the bilingual BHU Alumni Newsletter.

In December 2011, it was decided by the Alumni Cell to hold an "International BHU Alumni Meet" (IBAM 2012) and Seminar on 23-24 December 2012 under the patronage of our Hon'ble Vice-Chancellor. The topic of the seminar is "Mahamana's Vision of Nation Building". The Brochure of the meet has been sent to all the alumni available in our database and the preparation in this direction is going well. Different committees dealing with different aspects have been constituted to make this event a grand success.

This international meet has special significance as it is being organized as a part of the 150th Birth Anniversary Celebrations of our illustrious founder Mahamana Madan Mohan Malaviya.

20. Health services:

University has set up various health centres with adequate staffs and infrastructural facilities. These centres are regularly in service of the students and employees of the University. A student health centre has also been set up in the Rajiv Gandhi South Campus. Besides above health centres, students and employees of the University have also access to the University's Sir Sunderlal Hospital which is a 1200 bedded tertiary care hospital having both modern as well as well Indian medical facilities.

Sir Sunderlal Hospital, Clinical teaching and training Hospital of the Institute of Medical Sciences was established in the year 1926 initially with a small bed strength of 96 beds only. It derives its name after Sir Sunderlal Ji, the first Vice-Chancellor of the Banaras Hindu University. To start a Hospital in the campus for alleviation of human suffering due to illnesses in the society was the dream of Mahamana Pandit Madan Mohan Malaviyaji, the great visionary and founder of Banaras Hindu University which came true when his highness late Prabhu Narain Singh Ji, the then Kashi Naresh laid down the foundation of the Hospital in 1924. Ever since the Hospital has been growing steadily and now stands as a nearly 1200 bedded Modern Hospital and the only tertiary care referral centre for the entire eastern UP, Western Bihar, Chhatisgarh, Jharkhand, MP & neighbouring country Nepal. The Hospital runs on the regular maintenance as well as ad-hoc grants from University Grants Commission.

Besides, it also generates a part of its own financial support in the form of revolving fund through its earnings from the realization of the cost of some of its services.

MILESTONES OF SSH

- Foundation stone of S. S. Hospital was laid by Maharaja Prabhu Narain Singh in 1924.
- In 1926 the Hospital started functioning with 96 beds.
- In 1963, MBBS training was recognized by General Medical Council, U.K. and Medical Council of India.
- Super speciality courses started in 1976.
- Commissioning of 550 bedded indoor building in 1978.
- Grant regularisation of 200 beds of super-speciality services in 2006.
- Inauguration of Trauma Centre in 2008 with 324 beds in pipeline project likely to be completed by 2010.

CLINICAL COMPONENTS OF SSH

- Number of OPD 44
- Number of Wards 51
- Number of Beds 1173
- *Modern Medicine* 987 (including ICU 16, Emergency 40)
- *Indian Medicine* 186
- Number of O. T. 22

SPECIALISED SERVICES IN SSH

- Cobalt Therapy – Full fledged Radiotherapy service for cancer patients.
- Haemodialysis – For Renal Failure patients.
- Lithotripsy (ESWL) For Kidney stones therapy.
- Renal transplant unit For Kidney transplant.
- 16 Bedded Modern ICU.
- Cardiac Pace Maker Lab.
- Neonatology / Neo Natal Surgery ICU.
- Laser O. T. in Surgical Oncology.
- Neuro Endoscopy & Navigation system.
- Eye Transplant unit & Eye Bank.
- ART Centre upgraded to Centre of Excellence.
- Physiotherapy & rehabilitation unit.
- Post Partum Programme.
- Dental services.
- Ayurvedic Panchkarma Therapy and Leech Therapy.
- Kshar Sutra Therapy.

SERVICES AVAILABLE THROUGH OUTSOURCING :

Certain services have been running on Public Private Partnership or outsourcing. They are as

follows:-

- 24 Hrs. Medicine & Chemists Shop
- 24 Hrs. 64 Slice C. T. Scan Centre
- Annapurna Bhojanalaya
- Swachchha Rasoyee Ghar
- Nestle Coffee Corners
- Public conveniences (Sauchalaya & Bathrooms)
- PCO booth
- 24 Hrs. refreshment services in Casualty OPD
- Centralised Chlorination plant for safe drinking water

STRONG POINTS OF S.S.HOSPITAL :-

- ❖ Very rich in clinical materials for teaching & training and quality services for treatment of patients.
- ❖ The only tertiary care super speciality hospital between Delhi and Kolkata besides SGPGI, Lucknow catering to the health needs of a vast population.
- ❖ An unique institution in the country to have both Modern Medicine and Ayurveda (Indian Medicine) disciplines together with interdisciplinary interactions.
- ❖ Well qualified and experienced team of consultants.
- ❖ Equipped with contemporary diagnostic facilities.
- ❖ Specialised treatment viz. Renal Transplantation, Lithotripsy (ESWL), Eye Bank and modern Blood Bank having component separation and cell separator facility.
- ❖ Super speciality services in all medical and surgical disciplines.
- ❖ Round the clock Casualty services.
- ❖ Round the clock investigative facilities.
- ❖ Round the clock availability of genuine medicines at discounted rates.
- ❖ Round the clock State of Art 64 Slice C. T. Scan facility, the only one of its kind in Northern India.

HOSPITAL STATISTICS

During the Calendar Year 2011-12, the Hospital Statistics is as follows :-

Total No. of OPD Patients = 1029995,
Total No. of Admissions = 49765,
Total No. of Surgical Operations (Major, Minor & other procedures) = 27141,
Total No. of Births = 2454, Total No. of Deaths = 2800,
Emergency OPD Attendance = 83804,
Total No. of Investigations = 1021059,
Total Voluntary Blood Donation = 11689,
Total Replacement Blood Donation = 4380,
Total No. of MLC = 687,
Total No. of admission in ICU = 1008.

Developmental Works in 2011-12:

1. Separate building for Cash Collection and Registration Counter.,
2. Construction of Shri Shyamlal Bhuwalka Eye Operation Theatre.,
3. Repair and renovation of rooms of Special Ward A & B wings.,

4. Construction of ART Centre of Excellence.,
5. Creation of Reception and Enquiry Centre.,
6. Renovation of floors of Indian Medicine Building.,
7. Renovation and extension of Dental OPD.,
8. Creation of new Mortuary Room.,
9. Construction of new Emergency Ward & MDR T.B. ward.,
10. International standard mortuary for Departments of Forensic Medicine & Anatomy.,
11. Renovation of the basement of S.S. Hospital for patient's attendants.

Health Care facilities being extended to the University students by the University Students Health Care Complex

Services/Facilities available

(I) Clinical Services : 7.30 a.m. to 6.00 p.m.

- (i) General Out-patient consultation
- (ii) Day Care Centre
- (iii) Surgical consultation
- (iv) Orthopedic services
- (v) Respiratory clinic
- (vi) Specialized medical consultation
- (vii) Operation theatre services
- (viii) Pharmacy services
- (ix) Dressing services
- (x) Injection & vaccination services
- (xi) Medical certificates
- (xii) Local purchase of emergency medicines
- (xiii) Medical claim reimbursement (Indoor)
- (xiv) Clinical coverage of exams other Inter-University events/sports

(II) Students Health Welfare Scheme

This scheme is to ensure almost total free health care to the University students including indoor treatment and hi-tech investigations. For this facility a token annual fee of Rs.280/- is charged.

(III) Annual OPD attendance = 1.4 lac (April 08 to March 2009)

SCHOOL OF NURSING

Besides all these, the Hospital also runs a School of Nursing. It was first started in 1963 with initial intake of 12 Students, which has been presently raised from 23 to 40 students per year on the recommendation of Indian Nursing Council from year 2008. The School of Nursing, BHU offers

“Three and a Half Year General Nursing & Midwifery Course” to all the eligible candidates selected through All India Entrance Test. This Course is recognized by the Indian Nursing Council, New Delhi and UP State Medical Faculty, Lucknow. The training is carried out as per the syllabus of the Indian Nursing Council, New Delhi. The Diploma Course commences on 1st September each year. The students after completion of the said Course are registered with the UP State Medical Faculty, Lucknow. The objective of *“Three & Half Year Diploma in General Nursing & Midwifery Course”*, besides giving employment opportunity to trained nurses for this noble profession and also to enable them to serve as Staff Nurses at the first level position in the Hospital and function as members of the health team for the benefit and service of the suffering humanity. This School has been upgraded to College of Nursing for B.Sc. (Nursing) from the year 2009-2010.

The performance of the School of Nursing has been excellent for past many years. In last year (2007-08), the performance has been as follows:-

- (a) In First Year General Nursing Diploma Examination the pass percentage was 100 (24 students appeared in the examination). Six among them had distinctions.
- (b) In Second Year Examination again all the 24 Students appeared and passed out with 11 distinctions to their credit.
- (c) Similarly, in Third Year Class, the pass percentage was 100 (24 Students appeared) & 5 had distinctions.
- (d) Among the Interns, the pass percentage was 100 (24 students appeared) and 19 had distinctions.

21. Performance in sports activities:

University Sports Board

University Sport Board (USB) was established in its present form in 1975 by upgrading the University Athletics Association, with the objectives of promoting sportsmanship and team spirit among the University students, organizing such games and sports activities that are recognized by the Board and promoting Inter University fellowship by organizing and taking part in tournaments and extending assistance to constituent units.

The University Sports Board is an important unit of Banaras Hindu University which coordinates sports activities among different units of the University, selects and coaches sportsmen in different games and sends teams for participation in different Inter University Tournaments organized by AIU, New Delhi. Besides inter University tournaments, University teams also take part in other tournament organized by different sports organizations. In addition to this, the University Sports Boards hosts different games/sports. Inter University level Tournaments and coaching camps as and when entrusted by the Association of Indian Universities, New Delhi.

The University Sports Board organizes training/coaching camps of various games and sports teams of the University through Dy. Directors/Asstt. Directors/Coaches.

Games/ Sports Associated with USB

1. Archery (Men & Women)
2. Athletic (Men & Women)
3. Badminton (Men & Women)
4. Basketball (Men & Women)
5. Boxing (Men)
6. Chess (Men & Women)
7. Cricket (Men)
8. Cycling (Men & Women)
9. Football (Men)
10. Gymnastic & Malkhambh (Men & Women)
11. Hand Ball (Men & Women)
12. Hockey (Men)
13. Kabaddi (Men & Women)
14. Kho-Kho (Men & Women)
15. Power Lifting (Men & Women) & Wt. Lifting & Best Physique (Men)
16. Rowing (Men & Women)
17. Shooting
18. Squash Racket (Men)
19. Swimming (Men & Women)
20. Table-Tennis (Men & Women)
21. Tennis (Men & Women)
22. Volleyball (Men & Women)
23. Wrestling (Men)

Facilities/Sports/Games Complex of USB**(1) Amphitheater Ground**

1. Athletics (Men and Women)
2. Basketball (Men and Women)
3. Boxing (Men)
4. Cricket (Men)
5. Football (Men)
6. Handball (Men and Women)
7. Hockey (Men)
8. Kabaddi (Men and Women)
9. Kho-Kho (Men and Women)
10. Squash Racket (Men)

11. Table Tennis (Men and Women)
12. Tennis (Men and Women)
13. Volleyball (Men and Women)

(2) Shivaji Hall

1. Gymnastic and Malkhambh (M & W)
2. Power Lifting (Men & Women), Wt. Lifting and Best Physique (M)
3. Wrestling (Men)

(3) J.K. Badminton Hall

Badminton (Men & Women)

(4) Swimming Pool

Swimming and Diving (Men and Women) & Water Polo (Men)

(5) Maharaja Dr. Vibhuti Narain Singh Indoor Stadium (Multipurpose),

To care the health of student, teaching and non- teaching staff of BHU, the University Sports Board has established 'Mahamana Health Fitness Centre in the Indoor Stadium'. Four Badminton Courts are also located in this stadium.

Participation of University team in East Zone Inter University Tournaments:

Sl. No.	Name of Sports Event	Section	Venue of Competition	Achievements
1.	Basketball	M	Bardawan University	IV th Position
2.	Basketball	W	V.B.S. Purvanchal University, Jaunpur	Winner
3.	Cricket	M	BHU	Winner
4.	Football	M	Sambalpur University	Participation
5.	Hockey	M	M.G. Kashi Vidyapeeth, Varanasi	III rd Position
6.	Kabaddi	M	M.G. Kashi Vidyapeeth, Varanasi	Participation
7.	Kho-Kho	M	Utkal University, Bhubaneshwar	Participation
8.	Kho-Kho	W	Guru Ghasidas University, Bilaspur	Participation
9.	Table-Tennis	M	Vishwa Bharati University, Shantiniketan	Participation
10.	Tennis	M & W	K.I.I.T., Bhubaneshwar	II nd Position
11.	Volleyball	M	M.G. Gramoday University, Chitrakoot	Winner

Participation of University teams in All India Inter University Tournaments

1.	Archery	M	Panjabi University Patiala	Participation
2.	Athletics	M & W	Rajiv Gandhi University	Participation
3.	Basketball	M	University of Rajasthan, Jaipur	Participation
4.	Basketball	W	Kurukshetra University	Participation
5.	Boxing	M	Lovely University, Jalandhar	Participation
6.	Cricket	M	BHU	Silver Medal
7.	Cross Country	M & W	M.D.U. Rohtak	Participation
8.	Gymnastics	M & W	G.N.D.U. Amritsar	1 Silver Medal
9.	Hockey	M	Jamia Milia Islamia University	Participation
10.	Judo	M	Tilak Maharashtra, Pune	Participation
11.	Swimming	M & W	University of Calcutta	1 Silver Medal
12.	Squash Racket	M	University of Pune	Participation
13.	Tennis	M	Manipal University	Participation
14.	Volleyball	M	Dr. Hri Singh Gaur University, Sagar	Participation
15.	Wrestling	M & W	Ch. D.L. University, Sirsa	Participation

22. Activities of the Guidance and Counselling Cell:

University Employment information and Guidance Bureau is probably first bureau of the country, which is known and popular as **Model Bureau**, which has been established in June 1959 at Ruiya Hostel of Medical Block in Banaras Hindu University. National Employment Service scheme is working in around 66 Universities of the country at present. University Grant Commission and Ministry of Human Resources Govt. of India have made efforts to establish Employment Information and Guidance Bureau in all the Universities. The role of Bureau in University life is extremely important and full of challenges to give proper suggestion and direction for education to youth and to create their future, University students may get educational and vocational guidance right here in the campus for their purpose this bureau is situated here. The bureau is always giving service to those unemployed according to ancient tradition of university. Therefore, the main function of this Bureau is to provide information to the students, teachers, employment seekers, and others for higher studies, financial assistance, job opportunities, and self-employment prospects available in India and abroad. It also provides services for career counselling psychological testing and campus recruitment for the campus student. There are following main point of this Bureau:

- (a) Vocational guidance and career counselling
- (b) Registration, Submission and Placement
- (c) Career studies and occupational research
- (d) Employment and Self-employment.
- (e) Psychological Testing & assistance
- (f) Vocational Guidance to Individuals and Group
- (g) Campus Recruitment
- (h) Release of Vocational Patrika and Rozgar Bulletin

It has evolved a network of services with a view to cater optimum career needs. A perusal of the appended statistical record reveals the area of the activities.

The Career Information Centre has been established in a big hall. This is like backbone of information services of the bureau. There are 80 folders which have been divided in faculties, industries, organization, institutional and other different part, like women department, employment department, medical and competitive educational department National development and defence, employment area information etc. these are quite popular among the students, regarding the information of education, training employment scholarship/fellowship etc. of country and abroad is available here.

Collection of career information, study classification, analysis, demonstration, and to protect this are liabilities of bureau. All the information and direction service of bureau are provided on the basis of suitable information literature. Informations are collected according to personal and public requirement of students. Unavailability of particular information bureau manages some how or other and it provides to particular person who need this.

Vocational Guidance Unit is being done in various affiliated schools, colleges and various University departments under the direction of bureau. This type of unit provides informative services to students. Bureau is making a good and strong effort to provide more and more information and guidance to small children also to help them out in making good and solid vocational planning for career.

In the Library of Bureau related to the various kinds of valuable and useful books are available besides letters and magazine, courses of University, rules and regulation, guidance for competitive examination, self planning, trade development etc. All books are useful and helpful for students for preparation of competitive examination and admission for higher education, scholarship/fellowship etc.

Occupational Research : Works are being done for studies, creation of literature and published work. In three series of publications “Plan a career series”, “Know your subject series” and “Guidance leaflet series” more than 51 books have been published so far. Time to time bureau also publishes application for employment and its publication which are better than any other publication. The popularity of publication is proved by receiving demand of publications from every corner of the country.

‘Plan a career series’ This published literature is more clear and meaningful. These books give information about many courses of study related with higher education, scholarship/fellowship, training, employment and self-employment as well as the information of Career Opportunity in foreign. On the occasion of personal direction these books are provided to students and candidates. All the publications of this bureau are sent to many libraries and organizations without any cost.. “Students Vocational Guide” a popular fortnight bulletin regularly issued on the date of 10th and 25th of every month. The main purpose of this bulletin to give information about admission in various institutions (educational, vocational and training), scholarship/fellowship and present availability of employment. This bulletin is being distributed free of cost among the students of university and visiting guest.

Guidance via correspondence is one of the most important services of this bureau. This Bureau has been providing information and guidance to the students, applicants, institution and

guardians for guidance and information against letter from them. In this way there remains a continuous relation between bureau and students via correspondence.

Study and Employment opportunity in abroad : Great attraction is found in students and teachers for study abroad. The Bureau provides information regarding higher education, scholarship/fellowship, admission, entrance regulation etc. in America, Canada, England, Germany, France, Russia, Japan etc. It is systematically organized in our career room of the bureau.

Employment Information Assistance : Employment Information assistance is given to all those candidates who are willing to participate all through and only post-graduate and professional graduate are permitted to get registration in Employment Bureau. Bureau send the details alongwith application form of registered candidates to the employer. Bureau get the information regarding employment direct from Employer, Regional Employment Exchanges and Central Employment Exchange, New Delhi.

Placement Cell and Psychological Testing Centre : Bureau has established a Placement and Psychological Testing Centre. Under the supervision of this placement cell Bureau has been organizing several campus interview program in this Bureau. In the year of 2009-10 there were **50** students were selected out of **250** candidates for different companies/institution through campus interview program.

23. Placement services provided to students:

Placement Service:

Institute of Agricultural Sciences

Five students from the Institute of Agricultural Sciences have been finally selected for the Agricultural Research Service through ICAR competitive examination. Another lot of five students have been successful in achieving jobs through the U.P. Provincial Services Examination. This Institute has had an exampleary record of placement through campus interviews during last many years with a large number of private and public sector companies, banks, MNCs and NGOs visiting this campus and recruiting a large number of students.

Institute of Technology

The Training and Placement Cell (TPO) of the Institute started functioning in 1977-78. Since its inception the Cell is coordinating placement of final year students in various industries and research organizations and making arrangements for the summer internship of B. Tech./ B.Pharm./IDD/IMD students every year as a part of their curriculum. Till date more than 13,250 B.Tech./M.Tech. and B.Pharm/M.Pharm. students have been placed through this cell with lucrative pay packages in leading industries of the country and abroad. Several prestigious public and private companies have visited our institute and their number has greatly increased from mere 16 in 1977 to 94 in 2011-12. The main emphasis of this cell has been to impart industrial training and to place students in core sector industries as per their competence. However consultancy organizations from financial sectors and supply chain management have also been major recruiters of our students.

For the current academic session the recruitment process started on August 17,2011. A large

number of companies such as Microsoft, Adobe, Goldman Sachs, Morgan Stanley, Oracle, Netapp, CISCO, Mentor Graphics, DE Shaw, nVidia, Samsung, Atrenta, LG, Hindustan Unilever, IOCL, BPCL, Tata Motora, Maruti, Ashok Leyland, L&T, DRDO, Reliance Energy, Coal India, BEML, ACC, NMDC, SAIL, BHEL, NTPC, MECON, Jindal Stainless, Visa Steel, TCIL, HZL, NOMURA, ONGC-OPAL, Surya Roshni etc. who have been regular visitors to the Institute, continued to show their faith in our students' performance and made large number of recruitments.

Faculty of Management Studies

The students of Faculty of Management Studies, Banaras Hindu University have again proved their worth. As many as 30 top recruiters visited FMS-BHU in the session 2011-2012. Last year we were able to maintain an average salary of 7 lakhs. This year the average pay, bagged by our students is around 7.5 lakhs. The profiles offered varied in their diversity, encompassing Corporate Finance, Equity Research, Investment Banking, Marketing, Sales and Distribution, Supply Chain Management, Business Consulting, IT consulting, Agri-Business, Industrial Relations and Corporate HR.

Faculty of Science

The Post-Graduate students of different Departments of the faculty, particularly of the Computer Science (38), Geology (19), Chemistry (7), Geophysics (6), Geography (5), and Statistics (1) were placed in the leading private, multinational and public sector companies (Hindustan Zinc Limited, O.N.G.C. Ltd., Coal India Limited, Impetus Technology, Congnigent Technical Solutions, Samsung Software India Operations, IBM Global Services, Rio-Tinto, Geomysore Services (India) Pvt. Ltd., Mylan Pharmaceuticals Ltd., Tata Steel, Akash Educational Services Ltd., M/S Pradan, Dr. Reddy's Laboratories Ltd.,

24. The Students Council

Students' Council was established on 24th October 2011. Several programmes were organized by Students' Council in session 2011-12 in the university campus.

- 1. Plantation:** Students' Council marked the beginning of its new session on the auspicious day of Kartik Purnima dated on 10-11-2012 by planting 50 new plants in the premises of Students' Welfare Building.
- 2. Sangeetanjali:** A cultural event was organized by Students' Council on the occasion of 150th birth anniversary of Pt. Madan Mohan Malviya ji on 25.12.2011 at Pt. Omkar Nath Thakur auditorium for the students' cultural development in which approximately 400 students participated.
- 3. Subhash Chandra Bose Jayanti:** A workshop was organized on 23.01.2012 at Arts Faculty auditorium to enlighten the students about Subhash Chandra Bose's thoughts and his character.
- 4. Essay Competition:** An essay competition was conducted at the Law Faculty auditorium on 22.01.2012. About 80 students participated in this competition.
- 5. Debate Competition:** Adebate competition was conducted at the Law Faculty auditorium on 04.02.2012. A large number of students participated in this competition.
- 6. Yoga Shivir Programme:** A yoga shivir was organized by Students' Council for the entire development of the students in the university campus.
- 7. Earn While Learn Programme:** Earn While Learn Programme was carried out by students' council for needy poor and scholar students. The number of seats was increased from 500 to 800 students.

25. Linkages developed with National/International, academic/research bodies:

- Multi-disciplinary Research Programmes are promoted by Ph.D. Ordinances.
- The Committee to review the progress (Research Progress Committee) of each of the Ph.D. Programme constitutes of the supervisor, teachers of the concerned Departments an expert related to the discipline from another Department.
- Provisions in the Ordinance of the University for conducting Ph.D. in collaboration other Institutes and appointment of Adjunct Faculties are to encourage inter-disciplinary research, both for the Faculty members as well was the students.