

काशी हिन्दू
विश्वविद्यालय



BANARAS HINDU
UNIVERSITY

An Institution of National Importance established by an Act of Parliament

आतंरिक गुणवत्ता सुनश्चयन प्रकोष्ठ
Internal Quality Assurance Cell (IQAC)

QUALITY SUSTENANCE & ACHIEVEMENTS

(Post Accreditation Initiatives)

Banaras Hindu University is one of the oldest Universities established by the untiring and industrious efforts of great educationists and nationalist leaders. 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. Amongst the Vice-Chancellors who steered this great University are luminaries like Mahamana Malaviyaji, Sir Sunder Lal, Dr. S.Radhakrishnan and Acharya Narendra Dev. Contributions of BHU in extending the frontiers of knowledge in critical areas as also in the regeneration and efflorescence of community values is well manifested through its alumni who form a great chain of distinguished personalities throughout the world occupying key positions in varied professional domains. Endowed with a glorious history, BHU has played a stellar role in India's freedom movement and in post- independence nation building.

COMMITMENT FOR QUALITY AND EXCELLENCE

The ongoing changes in higher education, in the wake of national educational reforms, legislative enactments, the UGC/MHRD directives and the challenges put forth by globalization, necessitate that the universities actively engage themselves in the development and implementation of quality benchmarks in all their key performance areas. Committed to sustain its top ranking position, the Banaras Hindu University has established the *Internal Quality Assurance Cell* (IQAC) to institutionalize the process of quality enhancement and sustenance in all the key areas of its delivery.

The IQAC is the nodal agency entrusted with the responsibility of ensuring total quality management by ushering in innovations leading to achieving excellence and adoption of intervention strategies for monitoring their successful implementation. Ever in quest for excellence, the IQAC functions to assure institutional accountability with probity to all the stakeholders, funding agencies in particular and society as a whole.

Objectives:-

1. To become a hub for disseminating ideas and educational innovations for breeding a culture for excellence in all units of the university.
2. To set quality benchmarks for all units and evolve mechanisms for monitoring and ensuring performance in accordance with them.
3. To evolve and implement strategies for self-evaluation to sensitize all functionaries to be accountable for student and stakeholder satisfaction.
4. To take steps for the periodic internal academic audit of the teaching-learning and research activities of all departments/faculties and institutes.
5. To ensure in-service continuing education and training of all functionaries for enriching the intellectual capital and professional competence of the university.
6. To collaborate with other academic institutions and agencies globally for improvement of quality and brand image of the university.

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 Journals. *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.

Policies of University for Quality Sustenance

Mahamana Malaviya's vision of integrating ethics and human with higher education has been imbibed in the **Value Promotion Policy**. Through its **Quality Policy**, BHU has developed a quality assurance framework that spells out principals, guidelines and procedures for implementing continuous internal and periodic external mechanisms to ensure quality teaching-learning, research, outreach services and nation. In accordance with India's National Environment Policy, BHU is committed to catalyze the protection and amelioration of the local and global environment through its **Environment Policy**. An Environmental Calendar of activities related to environmental conservation was followed.

ABOUT THE UNIVESRITY

The Campus

The University is situated on the western bank of the holy river Ganga in the pious city of Varanasi known as the religious capital of India and also as a centre of Oriental Learning. 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. BHU has the phenomenal distinction of imparting education and conducting research in all academic disciplines from oriental and

classical to modern science and technology – all within one walled campus. A unique feature of the University is that it embraces the Gurukul method of teaching and learning, with students, teachers and supporting staff living together and carrying out their academic pursuits. The University is a township in itself having its own service and support systems to provide, operate and maintain the amenities needed by all concerned and the residents.

Objectives of the University

The objectives of the University are:

- To promote the study of the Hindu Shastras and of Sanskrit literature as means of preserving and popularizing the best thought and culture of the Hindus and all that was good and great in the ancient civilization of India.
- To promote learning and research in arts and science in all branches.
- To advance and diffuse such scientific, technical and professional knowledge as is best calculated to help in promoting indigenous industries and in developing the material resources of the country.
- To promote the building up of character in youth, by making religion and ethics an integral part of education.

Academic Structure

The University comprises of 3 Institutes (Institute of Medical Sciences, Institute of Agricultural Sciences and Institute of Environmental and Sustainable Development), 15 Faculties (Modern Medicine, Ayurveda, Dental Sciences, Agriculture, Environment & Sustainable Development, Arts, Commerce, Education, Law, Management, Performing Arts, Sanskrit Vidya Dharma Vijnan, Science, Social Sciences and Visual Arts), 132 Departments, A Mahila Mahavidyalaya (Women's College) and 5 Interdisciplinary Schools (Material Science & Technology, Biomedical Engineering, Biochemical Engineering, Biotechnology and Life Sciences). Several Departments have been upgraded due to their high research attainments; these include UGC Special Assistance Programmes 18 (Centres of Advanced Study 8 and Departmental Research Support 10), UGC recognized centre/programmes 4 others programmes 9 and DST-FIST (Fund for Improvement of Science & Technology) Programmes 7. Four Colleges located in the city are admitted to the privileges of BHU. The University maintains three Schools for children.

Academic Programmes

The University offers a full spectrum of teaching programmes at undergraduate and postgraduate levels, ranging from oriental Indian subjects like Veda, Jyotish, Dharmagama, Ayurveda etc. to modern disciplines like Medicine, Surgery, Biotechnology, Bioinformatics, Biomedical, Biochemical, Computer Science and other subjects in Science, Agriculture, Engineering, Management etc. in its various Departments. Excellent facilities exist for pursuing doctoral and postdoctoral research programmes in various disciplines. A number of diploma programmes in several subjects, such as Vocational subjects, need based and job oriented special subjects are also available.

Staff and Student Strength

The University offers excellent opportunities to young minds and facilitates the accomplishment of their creative talent with emphasis on character building. About 30000 students from all over India and abroad are receiving education in various disciplines under the guidance of about 1700 highly qualified faculty members, assisted by around 5000 dedicated supporting staff. Several Faculty members have been conferred prestigious awards and recognitions including Padmshree Award, Shanti Swarup Bhatnagar Prize and Fellowships of various National Academies of Science, Engineering, Medical Sciences and Agriculture.

Presently foreign students from 60 countries including USA, UK, Canada, France, Germany, Austria, Australia, Iraq, Iran, Chili, Poland, Yeman, Giji, Ukraine, Russian, Bangladesh, Nepal and Estonia etc are studying at the University. An International Students Centre helps the foreign students in choosing appropriate programmes and logistic matters.

Administration

The administrative work of the University is mainly carried out by Executive Council and the Academic Council. Names of the members of these august bodies during 2011-12 are given in Annexure-I. During the period under review (2011-12) the following persons discharged their duties as the statutory officers of the University.

BHU has successfully equipped itself to meet the challenges of present day education-creating a 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. The University is privileged to receive uninterrupted power supply.

Support Services

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 has its own telecommunication setup, a press, a diary, agricultural farms, a swimming pool, Guest House complex, auditoriums, including the Swantantrata Bhavan which has nearly 2000 seats with modern facilities, health centres, cafeterias, four branches of State Bank of India, one branch of Bank of Baroda and three branches of Post Office, a Telegraph office, shopping centre, public relations setup, air field, helipad and the famous Lord Vishwanath Temple. The University runs a 1200- bed (Approximately) Sir Sunderlal Hospital. This hospital is not only used for teaching and training of students. Medical Science, but is also used for catering to the healthcare needs of the vast population of Eastern UP, parts of Bihar, Madhya Pradesh, Jharkhand, Chattisgarh and adjoining Nepal.

The Library

BHU has a Central Library System having more than 15 lacs volumes apart from subscription to more than 13000 online journals, 50000 e-books, databases, and a huge collection of digitalized rare manuscripts, which functions in conjunction with a chain of Departmental, Faculty and Institute Libraries. In addition, BHU has fully air-conditioned **Cyber Library** with Seating capacity of over 200 that functions round the clock. This facility provides a unique opportunity, especially to the economically backward students, who do not reside on the campus, to study till late night. Female students using this facility are provided transport and security to drop them safely to their hostels throughout the night (10 P.M. to 5 A.M.), 7 days a week. Newly created air-conditioned Periodical Hall Provides 60 cabins for the use of faculty members and research scholars.

Central Library has the Internet facility with 22 nodes for. Internet voyaging alongwith facilities for downloading and printouts. The facilities are made available free for browsing and printing of downloading material at nominal charges.

Central Library has the Visually Impaired Section and we are providing facilities to the Visually Impaired Students through a soft copy of course materials. The Library provided facilities to 59 visually impaired users and 62 GB information in the year 2010-2011.

ONLINE JOURNALS, ONLINE BOOKS & DATABASES

BHU Library is a part of UGC-INFONET and INDEST Consortia for e-journals subscription. BHU is having access to more than 6000 full-text online journals and bibliographic databases and subscribed 2619 online journals. It includes publications of American Chemical Society, Royal Society of Chemistry, Nature, Science, Science Direct (Elsevier Science full-text journals), Project Muse (Social Science & Humanities), Emerald (Library Science), Emerald Management xtra, Institute of Physics (IOP), American Institute of Physics/ American Physical Society (AIP/APS), Cambridge University Press, SpringerVerlag, Kluwer online publications, Sage e-books and e-journals etc. BHU is having access to databases like Chemical Abstracts and Biological Abstracts, MathSciNet, Manupatra (Law) etc. The access is available to all users through campus network.

DOCUMENT DELIVERY SERVICE

Under the INFLIBNET Programme, Banaras Hindu University Library has been recognized as Document Delivery Centre alongwith 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 which will in turn raise the level of information need satisfaction with economy in expenditure on information resources.

COMPUTERIZATION OF LIBRARY HOLDINGS

Library purchased a New Library Software (LibSys). The software has been installed in the Central Library, Main Library IT, Institute of Agriculture Sciences, Institute of Medical Sciences, Mahila Maha Vidyalayaya, Law Faculty, Rajiv Gandhi South Campus Library, Barkachha, Mirzapur and all the Departmental Libraries managed by Central Library. This software is having the Web OPAC facility. The Central Library established 14 OPAC for searching library holdings in place of Card Catalogue. During the last financial year 20102011 the Central Library prepared database for about 12181 volumes of books.

DIGITIZATION OF RARE MATERIALS

Central Library has been recognized as a Manuscript Conservation Centre (MCC) by National Mission for Manuscripts, Ministry of

Culture, Government of India. We have initiated the task of digitization of individual pages of rare materials. In the year 2010-2011, around 54 rare documents covering 17165 pages have been digitized.

Commemorating 150th Birth Anniversary of Mahamana

To Commemorate 150th Birth Anniversary of Mahamana Pt Madan Mohan Malaviya ji a Committee having Hon'ble Prime Minister of India as the Chairperson was constituted under the auspices of the Ministry of Culture, Government of India. The Inaugural Function, held on December 27, 2011, was chaired by the Prime Minister Dr. Manmohan Singh and Mrs. Soniya 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 Dr. Lalji Singh, Vice-Chancellor BHU were present. The function was attended by dignitaries 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.

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.

ENSURING ACCESS, EXPANSION, EQUITY INCLUSION AND EXCELLENCE

Access, Expansion & Outreach

Banaras Hindu University has been following the vision of founder, Pt. Malaviya ji, meeting the aspirations of poor sections of the society for higher education. Besides keeping the fee structure under reasonable limits, the University has undertaken several initiatives to benefit the poorest of the poor students. Once admitted on the basis of merit, such students receive support through '**Earn-while-Learn**' scheme, free meal in Vishwanath Temple, scholarships etc. It has extended its outreach in order to cater to educational needs of an underdeveloped and marginalized part of the country by establishing

its South Campus (RGSC), named after Late Prime Minister Shri Rajiv Gandhi at Barkachha, Mirzapur of Uttar Pradesh. The vision behind its establishment was to develop a centre of professional and interdisciplinary studies and research that can serve the underprivileged masses of the *Vindhyan* region. With its location at the northern tip of the *Vindhyan* Uplands, it touches not only part of the tribal region of Mirzapur and Sonbhadra districts of Uttar Pradesh but also the adjoining similar underdeveloped regions of Bihar, Madhya Pradesh and Chhattisgarh. Taking care of the special needs of this undeveloped area, the new RGSC is catering to the education, research and training needs of this tribal belt.

In addition, the University provides tertiary level medical facilities to the poorest of the poor masses of parts of Uttar Pradesh, Bihar, Madhya Pradesh, Chhatisgrah and Jharkhand states at affordable levels through its 1200 bed Sir Sundarlal Hospital. The new Trauma Centre, established through the PMSSY, is expected to further expand its medical outreach activities besides providing learning experience to the MBBS and MD students. In the XII Plan, the University proposes to expand the activities at RGSC, modernise the S.S. Hospital and make the Trauma Centre functional by providing adequate staff and other logistic support.

Equity & Inclusion

During previous years the University had paid special attention to the needs of women students and employees. The male to female student ratio has improved impressively to 2.58 to 1 and is bound to grow to even more impressive ratio in future with expansion of our efforts in XII Plan for attracting more talented girl students by providing hostel facility and other amenities. It is also envisaged to construct a multi-storeyed, multi-flat residential complex for teachers and employees of the University with at least 40% accommodation reserved for female teachers and employees.

Imparting inclusive education has been a priority area for the University. University follows reservation policy of the Government of India in admissions with equal opportunity to students coming from socially backward regions. Equity is also envisaged by having contemporary equivalent courses in Rajiv Gandhi South Campus at Barkachha giving opportunities to downtrodden and remote area (Adivasi) students for whom taking admissions in urban area institutions is not financially feasible. It is proposed to introduce more job-oriented and vocational courses at RGSC, Barkachha with emphasis on producing self-reliant youths.

A mandatory provision for reservation for SC/ST as notified by UGC/GOI has been adopted by the University for (i) Admission in various courses (ii) Allotment of rooms in hostels (iii) Allotment of quarters for Teaching and Nonteaching staff (iv) Recruitment of teaching staff (upto lecturer level) and (v) recruitment of Non-teaching staff. Similarly OBC reservation has also been implemented in i) Admission in various courses (ii) Allotment of rooms in hostels and (iii) recruitment of Non-teaching staff.

University has taken care of needs of differently-able students by ensuring adequate infrastructural facilities in academic departments. It includes provision of ramps, availability of writers, and special learning software for visually-handicapped students, library facilities with recorded material and subsidized mess. These facilities shall be further augmented in the XII-Plan period.

Quality and Excellence

The University believes that the quality of teaching will largely depend upon the extent to which the University is able to strengthen its research programmes, both in quality and quantity (i.e., number of Ph.D. degrees awarded, publications in quality journals etc.). For this to happen, at any instant of time, the University should have about 3000 high quality Ph.D. scholars and a large number (~1000) of postdoctoral researchers. Newly recruited faculty members were provided a start-up grant in the XI Plan for preparing research proposal and submitting it to external agencies for attracting good support. The budget for research journals and books has also been enhanced by an order of magnitude.

QUALITY INITIATIVES AND ACHIEVEMENTS

During the past six years or so the University has witnessed tremendous growth in terms of numbers of UG/PG students, Research Scholars, expansion of infrastructural facilities and upward swing in the output of qualitative research.

Some of the major quality initiatives and achievements are highlighted as under:

1. The Institute of Medical Sciences & Hospital

The University provides tertiary medical facilities to the poorest of the poor masses of parts of Uttar Pradesh, Bihar, Madhya Pradesh, Chhattisgarh and Jharkhand states at an affordable cost through its 1200 bedded Sir Sunderlal Hospital. The upcoming **Trauma Centre, established through the PMSSY** with an investment of more than

Rs. 150 Crores, is expected to further expand the institute's outreach, besides providing unparalleled research and learning facility.

Some of the major patient care initiatives taken by the University during past few years are as under:

- Coronary Angiography has started in the Department of Cardiology.
- An additional Head Injury Ward with 10 beds has been created.
- An additional 10 beds stroke-ward has been created for Brain stroke patients.
- Complete Endocrinology Lab has been set up.
- Equipped with Radio Frequency Disectomy and CRRT under Anesthesiology.
- New Hospital is equipped with HD-11, 3D Colour Dopler, 64 Slice CT Scan and Digital Radiography, 1.5 Tesla MRI, etc.
- Special Clinics-Menopausal Clinic, Adolescent Clinic and Infertility Clinic have started.
- New independent building of OPD, 6 bedded Pediatric Emergency Ward, 15 bedded ICU in Pediatrics has been established.
- De-addiction centre, Computerized Sleep Lab, Computerized Stress Lab and Lithium Auto Analyzer established in Psychiatry.
- Kerala Ayurvedic Centre in PPP mode established.
- ART Centre of Excellence has been shifted to new building.
- Physiotherapy Unit has been renovated with modern facilities.
- 15 Hemo-dialysis Unit has been built under Public-Private Partnership.
- Liquid Oxygen Plant with the capacity of 10,000 Ltr. has been built.
- National Facility for Tribal & Herbal Medicine is being created.
- Foundation Stone of Bone Marrow Transplant & Stem Cell Research Centre was laid on 21.01.2013 which will start functioning within a year. This will help in cure of damaged heart muscles, spinal code surgery, damage liver recovery etc.
- Recently basement of about 5,000 sq. ft. has been converted into facilities for attendants of the patients and this has been named as "**Ashraya**".

2. Environmental Awareness And Beautification

- 575.75 Acres of area of BHU is covered by beautiful lawns and lavish gardens.

- 33.5 kms of hedges and edging.
- 142800 nos. of shrubs planted all around the institutes, faculties, fields and Residential quarters.
- 11 Acres of area is under Nursery which manages 40,500 plants of various fruits, 20,000 forestry plants, 15,000 ornamental plants, 15 lac seasonal flower plants and 5000 other plants.

3. The ICT Infrastructure

The University has 100 kilometer long Fiber Optic backbone of Campus wide LAN, connecting all academic and administrative buildings as well as hostels with a well-equipped Computer Centre, providing high end computing and training facilities. The University has been provided three 1 Gbps nodes of National Knowledge Network (NKN) under NME-ICT.

4. The Graphic Identity Programme Of Brand BHU

BHU is the first Central University in India which has implemented a '**Graphic Identity Programme**'. Through this programme BHU has standardized it's seal, Logo, Bilingual Logotypes, Tagline, Colour Identity etc.. This programme also includes standardization of office stationery and signage system of the campus through it's Design Studio, Souvenir shop, Electronic, Web & Social media.

5. Faculty Recruitment

- The traditional recruitment system based on rigid procedures and strict time-limits was proving ineffective and not giving satisfactory results. The University, in order to *attract and retain eminent faculty* revamped the recruitment process. Now, the complete process of advertisement and submission of application is online. All the vacant teaching posts of permanent nature, plan posts and the temporary posts likely to continue, carrying pay scales of Rs.15600-39100 and above are advertised by the University in the form of a **composite rolling advertisement on its website**. The composite rolling advertisement remains alive all the time and is updated every time when a new vacancy is created or when the earlier advertised positions are filled up by selection. The prospective applicants, therefore, **can apply anytime of the year**, but the applications will be processed after the cutoff dates indicated beforehand on the website. **There is no application fee.**

- To hire best talent of the country and promote International quality of research and teaching to compete the best Universities in the world, BHU has advertised about 698 (Assistant Professor: 333, Associate Professor: 195 and Professor: 170) posts of Teachers through Rolling Advertisement in all important national dailies and BHU website. Teachers will be selected with high academic input by inviting them in the Department and Faculty for Seminar and interaction followed by interview by high level committee chaired by Vice-Chancellor. The system is being made transparent, which is being followed by leading Universities of world.

6. Examination Reforms

Reforming examinations to ensure reliability, validity and objectivity with transparency has been on the top agenda of the university for last 10 years. **The University has a Standing Committee on Examination Reforms** which meets periodically to review the examination system in its minutest details.

Today the university follows semester system with continuous and comprehensive internal assessment as an integral part its system for the formative and summative evaluation and certification of student's performance. In all the courses, the teacher teaching the course shall give the assignments, projects and tests regularly at fixed intervals as tools for FORMATIVE EVALUATION. Even the end semester examination (SUMMATIVE EVALUATION) test paper is prepared by the teachers teaching that paper and the evaluation is done by the teacher itself. The BEAUTY of the whole system is that the student is shown the evaluated answers-sheets/assignments and that every student has a possibility to contest his/her assessment with the teacher or compare their performance with others.

To ensure that all the stakeholders are aware of the evaluation processes, the complete syllabuses, including examination and evaluation details are available on the website of the University. It provides elements of evaluation system, credits, calculation of Grade Points, letter grade and promotion rules.

After completion of the each semester examination, **one month's time is required for declaration of results.** Since, there is internal evaluation therefore the measure such as reminders for submission of awards is used. Initiation for collection of awards after evaluation

is also taken up simultaneously. Generally results are published in the daily news papers as well as University website.

For transparency in the evaluation process answer scripts are shown to students after evaluation and before declaration of result. If a student is not satisfied with the marks awarded to him/her, he/she can contest and make a request for re-evaluation in the concerned department free of cost.

The university has introduced very significant reforms in its Ph.D. evaluation process. The Clause- XIII “Submission of thesis” and the Clause- XIV “Examination” are the two important Clauses of the Ph.D. ordinances of the University which deal with the evaluation process. Some of the important aspect of the evaluation process include: (i) appointment of a panel of examiner including one examiner from abroad; (ii) fixed time-frame for evaluation of thesis; (iii) strict monitoring and adherence of schedule of evaluation; (iv) specific parameters of evaluation; (v) clear procedure of review and resubmission for evaluation of thesis; and (vi) ensuring un-ambiguity in the recommendations by examiners.

A major recent reform to tackle delay in the process of evaluation of Ph.D. thesis has been the amendment wherein now the power to appoint Ph.D. examiners has been delegated to the Deans.

7. The Research and Education

Research Priority Areas

The University has identified various research priority areas. It is expected that the respective faculties will direct their resources in these priority areas on a differentiated basis. There are special flagship areas with credible eminence such as : *Materials Science and Technology, Theoretical Condensed Matter Physics, Genetics and Biotechnology, Molecular Biology, Infectious Diseases, Environment & Ecology, Women Studies, Psychology, Conflict Resolution, Ayurveda, Indian Classical Music, Sanskrit and Dharm Vidya Vigyan.* These areas are to be nurtured to help them maintain international competitiveness.

R & D Projects

The Vice-Chancellor has taken personal interest in encouraging the faculty members to generate additional resources for research

activities through sponsored research projects. As a result of this initiative, there is a substantial change in the mindset and it is expected that more faculty members would have funding through sponsored research projects. The University has introduced several reforms in existing rules for smooth management of the research projects.

Industrial Collaborations

The improvements in the infrastructure of the University in general and the research laboratories in particular are expected to attract more industrial collaborations opening ways for additional funds. The University will provide all possible support for such collaborations.

Patenting and IPR

The University has already formed an IPR Cell to encourage the patenting culture. The University is already making provisions for meeting all the expenses related to filing of patents and it is proposed to enhance the budget of the IPR Cell further during XII-Plan.

BHU has always encouraged the spirit of quality research coupled with quality teaching. Some of the unique milestones achieved by the University during past years are as under:

- BHU received “**University with Potential for Excellence**” status from UGC.
- BHU is the only University of India which has **Indian Institute of Technology- I.I.T.(BHU)** on its campus.
- **Faculty of Veterinary Sciences** has been approved by the Academic Council as well as the Executive Council to be established at R.G.S.C.
- Center for Interdisciplinary Mathematical Sciences supported by DST.
- Center for Genetic Disorders supported by DBT.
- Interdisciplinary School of Life Sciences supported by DBT.
- Establishment of **Trauma Centre under PMSSY**.
- Institute of Agricultural Sciences as Nodal Centre for Agricultural Innovation Partnership under USAID programme with several US Universities- Cornell, Georgia, Buffalo, UC Davis, Ohio, Tuskegee, Purdue and Illinois.
- Separate building for the Faculty of Dental Sciences.
- Strengthening & Development of Agricultural Education by ICAR, New Delhi.

- Experimental learning through the **establishment of Bio-control lab, Tissue Culture lab, Fisheries and Hi-tech laboratories** at Institute of Agricultural Sciences by ICAR.
- Sanction of Accelerator facility to the Department of Physics.
- Strengthening of Space Science teaching and research in BHU by ISRO.
- Assistance for creation/seed infrastructure facilities at Institute of Agricultural Sciences, BHU by ICAR.
- Malaviya centre for Human Values and Ethics supported by Ministry of Culture.
- A unique **Bhojpuri Adhyayan Kendra** along with a **Lok-Kala Sangrahalaya**.

International Chairs in BHU

- UNESCO Chair for Peace & Inter-cultural Understanding
- Nepal Chair
- Proposed UNICEF Chair for Child Rights

International Memoranda of Understanding

BHU has signed 42 International MoU between 2005 to Dec. 2012. During last one year, BHU has signed 8 International MoUs. Some of the important MoUs are as follows:

- Brigham Young University, UTAH, USA (Nov. 2012)
- Ministry of Education, Govt. of Nepal (Oct. 2012)
- Tony Blair Faith Foundation, English, UK (Sept. 2012)
- Kansai University, Osaka, Japan (Aug. 2012)
- Govt. of Republic of Mozambique (June 2012)
- Wilkes University, P.A. USA (Dec. 2011)
- Chonnam National University, Korea (Oct. 2011)
- Rheinmain University of Applied Sciences, Germany (Sept. 2011)

Social Outreach Programmes

A number of social outreach programmes and deliberations take place on a regular basis in which students and faculty participate. The following are some of the activities:

- The faculty members and students are involved in social activities such as the NSS, NCC , Yoga classes, religious discourse at Malaviya Bhawan;

- Students of Social Work engage in action research, grass root development activities;
- Course on environment education sensitize students about environment
- Annual and periodic sports meet
- Cultural programmes such as *Abhikalpan* and *Spandan*
- Some faculty members are involved in various activities in collaboration with NGO and other academic agencies.
- One of the Centers in the Faculty of Social Sciences works closely with various civil society organizations to elicit, and analyze data on various types of conflict both intra-state and inter-state and trajectories of conflict resolutions drawing on various disciplines of social sciences. It explores and highlights the potentials of cultural and, in particular religious diversity as a resource for peace rather than a barrier. It has organized field work on sensitive issues such as neighborhood studies, Saraswati Puja, Muhalla in Varanasi, pollution on the Ghats of River Ganga.

Banaras Hindu University is fully aware of its social obligations and it constantly strives for providing the best of its services to the neighboring regions. Some of the important activities are as under:

1. **Health:** A team of 6-8 doctors from Sir Sundarlal Hospital, BHU visits and holds camp in the village of nearby Jaunpur district every alternate Sunday. In these camps thousands of rural patients from neighboring districts come and get free medical advice.
2. **Agriculture:** Kisan Melas are organized in villages which good quality seeds developed and produced in BHU are distributed. It has increased productivity.
3. **Ashraya:** BHU has gainfully utilized the basement in SS Hospital. This basement remained flooded with rain/ground water for a very long time. However, the University Works Department pumped out the water and reinforced the walls with water resistant material. Now this space is being used for providing resting place (*Ashraya*) to attendants of poor patients.
4. In the Rajiv Gandhi South Campus a voluntary scheme of teaching of poor children is going on. In this scheme children of tribal region of Mirzapur district are benefited.

The National Service Scheme has become an important tool in sensitizing students and ensuring their direct participation in various social activities in and around the campus. NSS has more

than 8000 students on its roll. Out of which approximately 3000 students participated in various programmes. Some of the major activities of NSS were:

- Adoption of 23 villages/Slums
- Orientation of NSS volunteers
- Organizing public meetings in villages and slums and creating awareness about social ills like dowry, child marriage, casteism, untouchability, alcoholism and drug addiction.
- More than 1000 trees were planted in adjoining localities.

The Future Vision

University has always had a forward looking approach assimilating the best practices and innovations all around. The University is committed to bring about every change required for fostering the culture of research transcending the boundaries of departments, faculties and Institution. Some of the ambitious plans for the coming years are as under:

- The Institute of Tribal and Genomic Medicine is planned to be established at R.G.S.C.
- Establishment of Biosafety Level IV (BSL-4) facility for research on highly infectious diseases.
- Establishment of Center for Translational Research.
- Establishment of Center for Bone Marrow Transplant and Stem Cell Research.
- Establishment of Center for Advanced Functional Materials.
- Promotion of research on Genomics and Proteomics.
- Establishment of Anusandhan Bhawan, housing modern facilities like Computer Centre, Electronic Media Centre, Design Studio, Sophisticated Instrumentation Centre etc.
- Promotion of studies on Indian Cultural Heritage.
- Creation of Unified Sports Complex having World class sports facilities.
- Multi-storied buildings of residential apartments.
- Convention Centre of 10000 seating capacity.
- International Hostel with 500 rooms capacity.