

BARKATULLAH UNIVERSITY BHOPAL



VISION – 2025

FOREWORD

Barkatullah University is a unique institution that from its inception has charted distinct pathways to academic excellence. It is truly a University for anyone who is qualified and open to study in vocational and classical, practical and scientific areas. It is one of the most distinguished and preeminent institution of higher education in the nation. Its complexity, diversity and comprehensiveness are a fountainhead of creativity and innovation.

This Vision 2025 takes an object of focus required for the academic achievements in the University. Barkatullah University today is specifically characterised as an institution with many affiliated excellent colleges and academic programmes. This vision 2025 affirms the responsibility of academic units to achieve excellence within specific academic disciplines and, moreover, the importance of a dynamic interchange between the responsibilities and capacities of individual academic units and leadership at the centre of the University. The premise of this vision is that amidst the essential, distributed academic strengths of the University. The changing environment for higher education in general and Barkatullah University in particular suggests the need for a greater institutional capacity to act as a unit to become more adoptable, more efficient, and more collaborative to offering effective academic atmosphere.

Through this Vision document short-term and long-term plans have been made that identifies broad directions for the university - wide actions for implementing those directions. It was a response to the changing environment for higher education in general and for Barkatullah University in particular. The strategic plan would serve as a general framework or guide for decisions about where to invest resources like time, effort and money. The University has invested heavily and achieved great success in creating a rich and varied living-learning environment for students, and this should continue. With that success as a backdrop, the Vision 2025 calls for a shift of focus to the excellence of faculty teaching and identification and promotion of advanced academic programmes for the students for the next few years.

Prof. R.J. Rao
Vice-Chancellor

Mission

The University imparts Quality, Vocational and Scientific Education through basic and applied research and improves the quality of Human Value irrespective of gender, caste, religion and nationality. The University ensures innovative, interdisciplinary and global standards towards generation of knowledge among youth.

Vision

Barkatullah University, being a knowledge centre contributes for transformation of society through continual innovation in education, research, creativity and entrepreneurship by providing an opportunity to students for national development.

Perspective

Education, no matter whether it is informal or methodical, is one of the important components of value system. Its social function is to inculcate those values which are must for respectful survival and development of groups, communities and societies. It is an instrument for effective creation and diffusion of scientific spirit. At the collective level it is an effective instrument of social control as well as change and development. This does not mean that education is always independent variable and it is not conditioned by social under currents. Rather there is two way relationship between education and society. Education is restructured and policies are reformulated looking to current and future demands of local and regional level societies. And as society move from tradition to modernity or from simple to complex situation, social requirements of education becomes inevitable.

Scenario in Madhya Pradesh

Madhya Pradesh is the heart of the country. Majority of population belongs to marginal groups such as scheduled castes, scheduled tribes and other backward classes. Of course, steps have been taken to impart education to these population but partly because of historical and partly due to contextual reasons quality education is still far away from most of them.

Barkatullah University

Named after illustrious son of the soil and great freedom fighter and social thinker Barkatullah University Bhopal is situated in the heart of the country and in the center of Madhya Pradesh. Madhya Pradesh is a state with its glorious tradition, natural and cultural heritage, flora and fauna and above all the culture of tolerance, humanity and social justice.

Bhopal is one of the oldest cities with having integration of both traditional and modern institutions pertaining to different aspects of life. It is not only a city of lakes and cultural capital of the country but also it is a place where people from all over the country with their distinct cultural heritage reside and contribute to over all development of Bhopal in particular and Madhya Pradesh in general. Growing number of educational institutions and employment providing centers within and around the city in particular, large number of students and employees from across the country in these institutions is a testimony to tolerance, harmony, quality, opportunity and integration. These are the pool factors which attract people to Bhopal. Environment friendly atmosphere, insignificant amount of pollution and planned nature of city contributes to the pool factors to draw people throughout the country to the city

of Bhopal in particular.

It is worthwhile to narrate some of the social and demographic profile of the districts covered under the jurisdiction of the university. All the districts are rural in nature and are under developed in the field of literacy and education. They are mainly engaged in agriculture, wage work for their survival and livelihood. It is high time to associate them with knowledge society because today and tomorrow every course of action is likely to be determined by modern knowledge. Those who will lack modern knowledge as a resource they will move downward in status hierarchy and they will face number of visible and invisible problems. In contrary to this those who will avail and possess modern education they will link themselves with the outer world in a massive way resulting thereby improvement in their social and economic status. Once their social and economic status improve it will influence political processes, rural power structure, economic relations, schooling pattern of children, women's status and so on. Economic development caused by education will be relatively durable. It can also influence inter-personal relations, social institutions and practices status of women and so on. Education is not only supposed to capacitate people, increase bargaining power and their status but it also needs to promote cohesion and harmony between different social groups and communities which are competing among themselves for the possessions of scarce resources. Higher education needs to incorporate these issues in its course agenda.

Academic Progress

A number of conventional and modern courses are conducted by the University. Most of the teaching departments are futuristic in nature. It is high time to strengthen these departments keep in view the emerging situation and its nature in the globalized scenario.

No society is static. The rate and magnitude of change and development may differ from situation to situation or within the same situation at different point of time but change is inevitable. Barkatullah University is trying its best to ensure productive change by adapting two techniques:

1. It is trying to make its teaching and research relevant and fruitful by modifying its syllabus and course content every now and then in the light of (a) feedback received from students (b) feedback from research findings, and (c) feedback and comments from different stakeholders.
2. It is also trying to adjust with the forces of globalization in order to reap benefits of globalization process by introducing new courses and the contents which can capacitate students in such a way that they can easily fulfill requirements of globalization and can become part and parcel of this process.

In the light of this newly created opportunity by globalization process in different walks of life and at different levels it is high time not only to continue modification in the existing syllabus and courses every now and then but also to introduce some new courses.

It is observed that even after more than 60 years of independence the marginalized groups specially SCs and STs are still marginalized and under represented in the field of higher education. To ensure the development of inclusive society in the interest of democracy and to strengthen globalization process, there is need to bring the left out under the umbrella of higher education. For this purpose special classes or tutorial classes with respectable inducement to both teacher and taught is the need of the hour. During the coming years Barkatullah University also plans to initiate this exercise in a massive manner.

Today, there is a strong feeling that the education imparted at the college level does not match the needs and expectations of the employment sector. Therefore, there is need for a comprehensive programme for college improvement. The college improvement programme should be based solely on the efforts of Management, Principal, Teaching, Non-teaching staff and Students.

In view of the ever - increasing number of colleges, and the ever-increasing student populace, the problem of providing students with quality education has assumed a serious dimension. Until and unless sufficient infrastructure and the best teaching learning facilities are provided, the aim and objectives of higher education suffer a setback. So, the need of the hour is to provide quality education in the University. The traditional rigid approach to planning and implementing will not work anymore. The aim and purpose of imparting education must change in response to economic and social changes. To achieve these objectives, experts within and without the system are to be mobilized for working out higher education programmes.

Research directly contributes to the educational goal of all students, particularly the post – graduates. Research at Barkatullah University forms an important component of leading activities in a variety of disciplines. The University has always promoted excellence in research, scholarship and teaching that has attracted most funding institutions to support our research pursuits. We have more than 40 research projects in progress. The details are available in the Departmental/ Center profiles obtainable directly from the respective School of Studies/ Centers.

Barkatullah University has established collaboration with leading institutes and R&D laboratories in India and abroad. With the efforts of the faculty and support from various agencies like UGC, DBT, DST, CSIR, DOE, DAE, ICMR, ICSSR, MPCOST, etc. we have been able to develop world class research laboratories equipped with sophisticated instrumentation that provides a strong base for excellent research.

Our faculty members are well qualified and have national and international recognition in their areas of specialization. Most faculty members have research projects in hand and guide Ph.D. scholars. Several of our faculty members have been awarded nationally and internationally for their contributions and are publishing in leading journals with high impact factor. Using all the facilities/ Training available many students have recently cleared the NET/ GATE/ BET and are holding fellowships. The university has its own scholarship for research.

The University has a strong desire to keep the syllabi of various courses up to date. Most of the syllabi are revised every year to meet the emerging trends of the subjects being taught. The University follows semester system to continually evaluate the students that keeps them active throughout the year. Now the affiliated colleges too are implementing semester system at PG level.

The central library besides a huge collection of books and manuscripts has the INFLIBNET facility that provides free access to 500 international journals through the UGC-INFONET. Computers and Internet facilities are available to students in all the teaching departments. The Bio-informatics infrastructure facility of DBT has enabled us to develop a bioinformatics center that provides facilities for teaching biosciences through the internet in addition to training in bioinformatics.

The University Scientific Instrumentation Center (USIC) has various workshops like Mechanical, electrical, electronics, glass-blowing/ cutting, etc. and efficiently takes care of repairing, maintenance

and fabrication of various instruments being used in various laboratories.

The play ground of the University is well laid, maintained to international standards. The Department of Physical Education besides imparting training also organizes National and International sports activities, Championships meets as well as summer training camps for children, residents of the University and Yoga classes for young and elderly alike. The Dean, Student 's Welfare office is the hub of students' cultural and social activities. The Dean is also the advisor to the University student's Union that includes representatives from all the Departments. The student welfare office and NSS also organize the youth festivals, social awareness events, on health and social issues like in HIV – AIDS etc.

The University has a glorious tradition of holding convocation in which students are conferred the degrees and awarded gold medals. The future perspective of the University has been laid. Soon the University will have more inter departmental academic and cultural programmes based on the national and global needs.

Future Plan (Vision 2025)

Bhopal, although developed as educational hub, areas surrounding Bhopal are still educationally backward which need qualitative improvement.

In order to promote higher education it is needed that Barkatullah University must grow in following ways:

- a) The education system should be based on cafeteria system of education. In this base departments can float modules of courses / credit per semester. It will help the students to choose courses as per their future needs and will help the university in minimizing the duplication of same courses and papers being taught in different departments to smaller number of students.
- b) The examination pattern needs urgent attention. Present education system is mainly based on clearing examination and not building knowledge and skills. More emphasis be given on continuous evaluation.
- c) The university teachers must develop study material for industry oriented courses so that the students can get quality study material. For lab courses manuals be written and for graduate students books in local languages but with scientific terms in English be written.
- d) The audio visual research center has to be developed to record and circulate lectures of eminent scientist and professors which can be listened by the students in department libraries.
- e) The universities and colleges should be provided with adequate teachers as without teacher no vision is going to be successful.
- f) Industry participation has to be increased by signing more number of M.O.U.s with them.
- g) The future of the University lies with the quality of research work, in collaboration with Industries. This will help in developing entrepreneurship in Barkatullah University jurisdiction and surrounding states.
- h) It is the responsibility of education system to make a students capable of earning their bread and butter at the end of education. All the students cannot be put at the top ladder of job market. We need to train students for every level. Hence there is a need of increasing vocationalization of education.

To meet out the problems and issues stated above the Barkatullah University has designed its future plan - Vision-2015.

The Vision-2025 document proposes activities through a phase-wise approach towards a futuristic vision for the next 5 years in the following manner:

Intermediate Goals	Short Term Now to 2 Years	Long Term Vision 2025
- Academic and Skill Development Programmes - Student Facilitation Center - Campus Facelift	- International Participation - Public Private Partnership	- University of Excellence - National and International Ranking

Phases of the Future Plan

The University Plan 2025 document envisages a three-phase approach as follows:

Phase	Specific Nomenclature	Academic and Financial Year/s
1	Immediate Goals	2019 – 2020
2	Short Term	2020 – 2022
3	Long Term Vision 2025	2022 - 2025

It is also envisaged that the Future Plan 2025 document will be reviewed every year during January-February in order to enable mid-course corrections, changes and /or enhancements and budget corrections, if required. It is proposed through this Future Plan 2025 document that the Barkatullah University Future Plan Committee, as constituted by the Vice Chancellor, from time to time, would monitor the progress of the implementation of the plan, and would be the delegated body to conduct the mid-course review and propose project and financial corrections timely. The mid-course review and corrections should be presented for perusal and approval of the Executive Council by the last week of February of every year. The Plan should be allowed an uninterrupted period of two years in order to be implemented efficiently.

Plan for 5 years:

The University needs plan to maintain and improve its leadership position in higher education, to enhance its tradition of scholarship, societal commitment, innovation and role in nation building. The University needs to plan appropriately and futuristically, to meet the changing demands of a growing knowledge-based economy and aspirations of students, faculty, civil society and economy. The University needs to grow beyond its geographical limitations across an intellectual and social matrix, learn and teach on a world-wide frame, and become a catalyst to enable sustainable development for India. The University needs to challenge the very concepts and definitions of studentship, teaching, classroom learning and exam-based recognitions.

The challenges include to:

- **Secure** the University's position as the premier academic institution in India and carve a roadmap for securing its place in the top 100 universities in the country as per NIRF.
- **Increase** the University's contributions to new academic programs, research, innovation, human resources to the industry and national development.
- **Extend** the University's commitment to excellence in teaching and its focus on creativity, entrepreneurship, environmental planning, ethics and value systems, and commitment to social

equity and justice along with empowerment to its various departments, affiliated colleges and institutions.

- **Ensure** improvement of classroom conditions and enable better infrastructure facilities for laboratories, multiple-use areas, faculty offices, research support and aesthetic user areas for support staff, such as attendants and office assistants.
- **Provide** policy innovations and intervene through proactive facilitation to allow the University, its affiliated colleges and institutions, to continue to attract and retain faculty who combine the finest scholarship in spite of a demanding teaching schedule because of a sincere concern for their students.
- **Employ** an inclusive planning process to develop and design academic and research programs that meet the needs of students, faculty, staff and alumni as well as civil society and governments.
- **Offer** thoughtful planning guidelines that would be sensitive to the historic character and intimate nature of the campus for enabling future development with sufficient flexibility to respond to the changing academic, environmental, financial resources and policies and regulatory requirements.

The Campus Plan

The Campus Plan revolves around different initiatives. There is a need to recognize and consider a holistic plan within the campus to provide financial commitment to departmental requirements for enhancements of classrooms, laboratories and faculty and student utilities or recreational space. Beyond the walls, and within the Campus, this Future Plan 2025 document is also about guaranteeing that the Barkatullah University campus can be more meaningful to its natural and academic environments that surround it. The Future Plan 2025 document proposes to establish new, better, larger, aesthetic and eco-friendly standards for buildings that would be proposed within the Campus. This document therefore, proposes establishing a harmony between ecology, accommodating people and academic needs, the classrooms, laboratories, libraries, play grounds, recreational and leisure areas, public conveniences, the knowledge creating and nurturing incubators where industry and academia meet and knowledge and economics would coexist.

The Initiatives for the Campus are to:

1. Establish a futuristic, 100% computer-enabled, **student-friendly facilitation center** to ensure automation and immediate response to requests for statutory processes, such as admissions and examinations, easy-to-use library and ID cards. Ensure ease of facilitation for these processes by establishing networks throughout the campus.
2. Ensure conservation of the historical water management principles and facilities existing within the Campus. Support local water drainage, seepage and underground storage of water by undertaking massive plantation of evergreen trees through an Environment policy.
3. Ensure energy conservation through an Energy Audit and generation of at least 40% of outdoor campus electricity from alternative sources. Development of large parking areas near the exit doors from the Campus to the City, and thereafter, in a phased manner, prevent polluting vehicles from entering the Campus.
4. On the theme of Smart Campus facilities will be generated with internal road systems, eco-friendly internal transport systems, internet cafes, subject-specific libraries and e-libraries, eating places, hostels, shopping areas and recreational facilities.
5. Construct additional facilities for boys' hostels, and ensure open integration with the rest of the

- Campus. In addition, provision for to develop multi-location cafeteria.
6. Expand and enhance the Library facility, by creation of new reading halls, exclusive multi-use internet-enabled computer-supported cubicles within existing reading halls for students and faculty within a guaranteed 200 workstation capacity. Similarly, provision to establish subject-specific specialized libraries, reading halls and computer-based cubicles in all academic departments.
 7. Establish a convention facility with exclusive conference halls, seminar rooms, yoga and meditation halls, high-value cafeteria and dining facilities, and a State-of-the-Art Convention Center of 1000 capacity along with neighboring exhibition centers and display areas.
 8. Plan, create and establish a holistic Sports complex, around the current sports grounds by constructing athletic and other games facilities of Olympic standards including swimming pools, outdoor and indoor sports and traditional Indian games.
 9. Propose academic and institutional collaboration with the local self-governments. This Master Plan 2025 document hopes to identify projects within the City limits, to be developed in collaboration with Corporate sector.

The Academic Plan

The goals of the University under Academic Plan define the broad areas within which this Vision document develops specific strategies and initiatives. The initiatives under each strategy identify a few key areas to make significant progress on these initiatives over the next five years. It is important to recognize that university is currently making significant efforts and achieving success in several of these areas. By including an initiative related to ongoing efforts, this plan affirms the importance of such activities and proposed to focus more energy on that area and push it higher on the university's agenda.

The Strategies are:

Enforce enhancement programs to strengthen the quality of teaching faculty by providing out-of-the-box remuneration and infrastructure support to the very best within each department to enable peer recognition and global appreciation.

Encourage full autonomy to selected Departments and Colleges/ Institutions to seek innovation from within these bodies, proactively invite proposals for new academic and research programs and enable networking on a national and international arena of knowledge development and management.

Attract best students through a process of competitive national merit and provide fast-track or high achievement programs to enable development of knowledge leaders for the nation with specific emphasis for students from rural areas.

Develop futuristic academic programs with an emphasis on social and gender equity in an extremely proactive manner throughout the University jurisdiction by seeking out the illiterate and bringing them into the mainstream of education through direct-contact or training-the-teacher programs.

Improve the Quality of the Teaching and Learning Environment by promoting foundation-level knowledge in basic disciplines to help faculty revisit fundamental principles, understand the extent of changes and awareness in their subject areas and grow towards the realities of global competitiveness in education management

Use the very best of education technology, electronic and non-electronic, optimally in teaching methods, by providing the facilities equally amongst all departments and encourage new inter-

disciplinary research programmes that help connect teaching and research, including applied and action research projects.

Enhance teaching and research methodologies, support systems and enhance infrastructure to better serve the students by encouraging new ways of learning, understanding and pedagogy, through a consultative process within the academic community and peer review through every three years.

Strengthen the common library, and provide department-specific specialist libraries, along with modernization, such as e-journals, computer network etc., and provide for campus-wide, district-campuses and multi-institutional borrowing and lending networks while not neglecting the need to provide the facilities beyond daylight hours and during holidays and vacations.

Encourage industry-academia interaction and promote entrepreneurship through a more diverse university community, making the University as a reliable and logical geographical location for high quality education.

The Initiatives are:

1. Recruit faculties in different departments immediately. Most of the departments are functioning with subcritical human resources for the past five to ten years and have pointed out urgent need for filling up these posts.

2. Implement academic, administrative and financial autonomy to ensure that decisions (regarding matters that affect teaching and research programs) are taken immediately. The Heads of Departments in consultation with the Departmental Committee must be empowered to take appropriate decisions (within the rules and regulations) by delegating authority to them.

3. Establish at least ten Chairs for eminent scientists including Noble Laureates, international and national award-winners, and such who might like to work within the University on Sabbatical Fellowships. However, ensure that the high value visiting Academic resource persons are provided with the best of infrastructure and remuneration support.

4. Provide special status and privileges to those teachers who publish in peer review Journals with high Impact Factor. Similarly, encourage the development of department-specific journals and research monographs, to establish a leadership role for the University through high-visibility publications along with strengthening of the University Press.

5. Enhance interdisciplinary teaching programme by institutionalising the credit and semester system. Review and convert current academic evaluation systems and provide for global convergence by establishing a relative grading system that would be compatible across sciences and humanities.

6. Introduce teacher assessment by students and develop a feedback system for ensuring quality of teaching programs. Similarly, provide for peer-to-peer, inter and intra-departmental reviews in a scientifically designed evaluation process, through external academically proficient systems auditors.

7. Evolve quality assessment systems and provide for academic quality assessment standards for the admissions, research, course-work and thesis writing and evaluation processes for doctoral research in the University. Ensure transparency in the selection processes, awarding of fellowships, provide public information about the duration of studentships, and the previous history of Guide-Student time periods for completion of the doctoral research.

8. Establish Scholarships and or Fee waivers by designing a transparent, socially sensitive- merit-driven system with a variable approach comprising

9. Review and amalgamate if necessary the current academic departments, disciplines and programs to remove any duplication and encourage at least 25% of credit transfers from other disciplines and Remove rigidity of time bound credit programs to create fast or slow tracks for students based on counseling processes.

10. Create virtual classrooms on campus and colleges through the establishment of State-of-the-Art electronically-enabled dedicated auditorium, studios, recording facilities and dissemination networks amongst all departments. Encourage affiliated colleges and institutions to develop similar infrastructure, and review need of and provide financial support for establishment if required to use SWAYAM programmes of UGC/MHRD.

11. Develop an academic and research network with other Universities/Institutions in the region, to encourage collaboration, common teaching and research programs.

12. Attract students from other States and other Nations and to make the student population more diverse. Create appropriate secure and aesthetic facilities for students from other regions, including specific international student's facilities.

13. Involve industry and voluntary organizations in curricula design, teaching and research through the strengthening of the Science and Technology Park and establishment of internships for students in local industry, developing entrepreneurial incubator facilities, electronic networking server farms to provide external studentships, industrial campus classrooms, net based studentships and evening and night schools.

14. Establish Centre of Excellence (COE) in different Departments under World Bank Project. Permit Departments desirous of running advanced academic programme leading to Master's degree in a major and a minor discipline as well as in Interdisciplinary subjects. For this purpose, necessary infrastructure and teaching position may be created. **Plan** and prepare self-financed certificate, diploma, short term, vocational and online courses and programmes for each department. Faculty and non-teaching staff should be provided for on contractual and /or project-based employment based on common policy interventions within the University. Project funds or specifically available financial support on a need-by-need basis should be made available to Heads of Department to catalyze such programmes.

15. Ensure academic, administrative and financial autonomy to allow Departments to initiate self-financing programmes, with delegated powers of administration and finance management to the Heads of Department (including hiring of maintenance and secretarial services, and development of infrastructure etc.).

Short-term planning:

- Syllabus to be reviewed and revised every two years/completion of the batch
- Preparing annual academic calendar including teaching, examinations, Scientific programmes like seminars, conferences, workshops, training etc.
- Digital mode of teaching (SWAYAM, MOOCs). Identifying Digital materials that can be legally shared without copyright restrictions or cost to the user.
- Establishment of Audio-visual studio
- Planning for National Institute Ranking Framework (NIRF)

Long-term planning:

- NAAC Accreditation
- World Class University status
- Establishing Study Centres
- Strengthening Student Help Centre/Student Grievance Cell
- International level Sports Complex

- University Management System
- MOU with International/Foreign Universities/Institutes

Courses to be started:

- Tourism management – PG, Diploma & Certificate
- Translation Studies – PG, Diploma
- M.Sc. Mathematics
- M.Sc. Chemistry
- M.Sc. Botany
- M.A. History
- Certificate and Diploma courses in Commerce and Management

Academic development Programmes:

- New Centres proposed:
- Centre for ecological sciences
- Centre for tribal studies
- Centre for entrepreneurship development
- Centre for advanced information technology
- Centre for library studies

New building construction:

- Central Instrumentation Facility with all modern Instruments
- Examination building
- Sports complex with stadium

Campus development

- Environmental enrichment- Lake development
- Solar Energy
- Solid waste management
- Plantation
- Pollution free campus

Fellowships:

- Student fellowships
- Women fellowships
- Research Projects
- Incubation fellowships

The rationale of Barkatullah University is that the University must function in a manner that ensures, on an ongoing basis, that all its operations align with and support its core academic missions. Principles must be understood and followed at all levels of the University. These principles include commitment to protect and enhance the reputation of the university, an understanding of priorities and responsibilities at an organisational and individual level, an appropriate respect for and use of shared governance and collaborative decision making, and a commitment to open communication and transparency within planning priority setting and decision making. All members of community are stewards of the university, and they should understand their obligations to act in ways that are responsive to the interests and needs of the University.

We are confident that by 2025 Barkatullah University will become a more vibrant centre of excellence to address all challenges. It will show path for prosperity, cohesion, development and brotherhood at different levels.