

EXECUTIVE SUMMARY

Jiwaji University, Gwalior, Madhya Pradesh was established in May 1964, by an Act of Legislature of Madhya Pradesh Government. Dr. Sarwapalli Radhakrishnan, the then President of India, laid the foundation stone on 11th December 1964 at asprawling campus of over 225 acres of land at Naulakha Parade ground. This was a generous contribution of Maharaja Shrimant Jiwaji Rao Scindia and Rajmata Shrimati Vijayaraje Scindia. The territorial jurisdiction of the University is spread over the districts of Gwalior, Bhind, Morena, Sheopur Kalan, Datia, Shivpuri, Guna and Ashok Nagar in Gwalior-Chambal Division.

The motto of the University is embedded in its logo ***VidyaPrapyateTejah***.

Following its **motto**, the University has adopted and given to itself the following vision, values and the mission.

VISION

Our ability to enhance the well-being of the people by Educating, Creating Knowledge and Serving the Society by putting the knowledge to work with excellence. To advance the professional competence of youth and inculcate in them the urge to recognize challenges as opportunities.

MISSION

Jiwaji University aims to lead the nation in research and education. We seek to do this in ways which benefit society on a national and a global scale. University strives to create knowledge, to open the minds of students to that knowledge, and to enable students to take best advantage of their educational opportunities. Jiwaji University embodies the spirit of excellence in teaching and research. Value creation through economic, social, and environmental development has been targeted to an increasingly global and multicultural world.

OUR VALUES

- Foster innovation and creativity
- Value excellence, quality and service
- Integrity
- Diversity
- Collaboration
- Respect
- Leadership

ABOUT UNIVERSITY

In the Golden Jubilee Foundation year which has just passed on 23rd May 2014, the Jiwaji University has witnessed a logarithmic phase of growth. It has made long strides to excel in teaching and research in science, arts, humanities, social sciences and physical education.

Jiwaji University has always been a favorite choice for academic pursuits of students aspiring higher education in the state. In the beginning, the University had 25 affiliated colleges but today 449 Government, Government aided and private colleges are catering education to the students under its jurisdiction. These colleges are Medical, Engineering, Science, Education, Nursing, Management, Arts and Commerce .

Presently, Jiwaji University has 31 Schools of Studies (University Teaching Departments, UTD) and 6 Centers that offer post-graduate educational programmes and research.

Arts:

Library & Information Sciences, Journalism and Mass Communication,

Language:

Hindi, English, Sanskrit, French, Jyotirvigyan

Social Sciences:

Ancient Indian History, Culture & Archaeology (AIHCA), Culture and Heritage-History, Economics, Business Economics, Political Science and Public Administration, Psychology

Education:

Life Long Education Extension and Social Work

Physical Sciences:

Chemistry, Environmental Chemistry, Instrumentation & Commercial Methods of Analysis, Pharmaceutical Chemistry, Chemicals Sales and Marketing Management, Industrial Chemistry, Earth Science, Geology, Remote Sensing and GIS, Mathematics and Allied Sciences, Computer Science and Physics

Engineering Sciences:

Institute of Engineering, Electronics, Computer Science and Application, eCommerce, Chemical Engineering

Life Sciences:

Botany, Microbiology, Biochemistry, Zoology, Molecular and Human Genetics, Forensic Science, Neuroscience, Environmental Sciences

Commerce:

Commerce

Management:

Management, MBA (Hospital Administration), Tourism and Travel Management

Law:

Law

Technology:

Pharmaceutical Science, Biomedical Technology, Biotechnology, Food Technology

Physical Education:

Physical Education, Yogic Sciences

Distance Education (UG, PG and Diploma, IGNOU, Bhoj University (Regional centres)

The various programmes have provided a vibrant academic environment with possibilities of interdisciplinary teaching and research. Interestingly, a large majority of students enrolled in the various programmes are women. The University has been assessed and accredited by NAAC with “Four Star” grading (first cycle) in 2002.

Jiwaji University has established collaboration with leading Institutes and R & D laboratories in India and abroad. The University is maintaining high standard in education and research with financial support from various funding agencies: UGC, CSIR, DST, DBT, DRDO, DOE, DAE, ICMR, ICAR, MoEF, MFPI, MoT etc. All faculty members are well qualified and have National and International recognition in their areas of research.

It is evident from the list of innovative programmes supported by the University Grants Commission (UGC), Department of Biotechnology (DBT), Ministry of Food Processing Industries, and Ministry of Tourism as under:

- UGC Innovative/Emerging Areas Programmes
- UGC Special Assistance Programmes (UGC-SAP)
- Department of Science & Technology-Fund for Improvement on Science & Technology (DST-FIST)
- Department of Biotechnology-Human Resource Development Scheme
- Ministry of Tourism -Skill development program

The Central Library, besides a huge collection of books and manuscript, has the INFIBNET facility that provides free access to more than 750 International Journals. The Bio-informatics Centre supported by DBT is also a great source for different data base.

The University has a student's Counseling & Placement Centre which helps students for better placement.

The School of Studies in Distance Education is an active part of the University which provides education in distance mode in a number of UG and PG programmes. Besides this, the University is also hosting centres of Indira Gandhi National Open University (IGNOU) and M.P. Bhoj Open University.

The students of Jiwaji University and affiliated colleges have been conferred Padama Vibhushan, (Atal Bihari Bajpai) Padam Bhushan (Major Shriram Mehta, Dr. V.K. Saraswat) and Padam Shree (Dr. B.N. Rao, Dr. L.V. Pathak, Dr. M.G. Deo, Dr. RE.S. Dharkar, Dr. L.C. Gupta, Dr. M.N. Passey, Prof. P.B. Buckshey, Dr. Uma Tuli).

The University has witnessed the presence of various dignitaries in the past like Prof. Radha Krishnan, Shri Atal Behari Bajpai, Dr. A.P.J. Abdul Kalam, Dr. Balram Jakhar, Dr. Rameshwar Thakur, Dr. Murli Manohar Joshi, Ustad Amjad Ali Khan, Pandit Kishan Maharaj, Dr. R. Chidambaram.

Various distinguished Scientists and researchers from abroad in different disciplines have been nominated as visiting Professors to keep abreast with latest development.

CRITERIA 1- CURRICULAR ASPECTS

CURRICULAR DESIGN AND DEVELOPMENT :

Jiwaji University has emerged as a premier institution of higher learning by imparting advanced knowledge, skills and values to the aspiring students in the state of Madhya Pradesh Jiwaji University offers programs (51 PG, 11 UG, 20 M.Phil., 02 Diploma, 6 PG.Diploma) with well-designed curriculum on campus in almost all the basic and applied disciplines under the Faculties of Arts, Social Science, Education, Physical Sciences, Life Sciences, Commerce and Management, Engineering, Law, Technology and Physical Education. In addition, other programmes in the Faculties of Medicine, Music, Home Science etc. are

offered in affiliated colleges and institutes. The University reviews and upgrades curriculum of different courses annually. The individual departmental Staff councils propose structures of the programmes, details of courses, infrastructure and facility based on Model curricula of National academic agencies, then the Board of studies and the Academic Council finally reviews making it socially relevant/job oriented/knowledge intensive and meeting emerging needs of students. The University uses the guidelines of the regulatory bodies such as UGC, AICTE, NCTE, MCI, BCI, PCI, DEC for developing and/or restructuring the curricula *in toto* with some modifications as per local requirements.

ACADEMIC FLEXIBILITY:

The institution follows semester system. Academic flexibility is in-built in all the PG programmes with core and elective options. Students are allowed to enroll in language courses while doing their regular PG courses. The University offers integrated course in modules of UG + PG in various courses. Although Choice Based Credit System (CBCS) is under consideration, students may have option to choose from various electives in a subject to their own interest.

CURRICULAR ENRICHMENT:

The systematic multi-stages process of revision of syllabus takes into confidence of all its stake holders including the alumni, parents, industry, students, teachers, external members and other experts. Employability is enabled through knowledge, training, skills and abilities with the help of well-designed curriculum.

FEEDBACK SYSTEM :

Feedback from students both on courses and teachers are integral part of all academic programmes which provide scope for further improvement in design and implementation of curriculum. The distinguished faculty interacts with national and international scientists /academicians for suggestions. The faculty of affiliated colleges are an integral part of various bodies.

CRITERIA 2 - TEACHING-LEARNING AND EVALUATION

STUDENT ENROLMENT AND PROFILE:

The admission process of the University has been made accessible on-line. The admissions are made through common entrance test (CET) for professional courses and on merit for traditional courses. Reservation policy of State for SC, ST, OBC, women, physically handicapped, freedom fighters ward, J & K migrants is followed. The UTDs have at present 5,500 students enrolled in the courses. The overall enrollment of students in the affiliated colleges is over 1,97,000. IQAC cell has become more vibrant and student feedback and other department related information is collected online.

CATERING TO STUDENT DIVERSITY:

The institution organizes orientation programmes, Group discussions for assessing and improving the learning levels of the students. Differently abled students and slow learners are provided extra study material and tutorials. Students have training programmes, project work, industrial visits etc. They also get

exposure in cultural, sports, alumni activities and feedback mechanism. Students from weaker section have remedial classes. Advanced learners are offered enrichment courses and useful suggestions for UGC/CSIR/GATE examinations

TEACHING LEARNING PROCESS:

The University has taken several initiatives in teaching-learning and evaluation processes since its last accreditation in 2002. Faculties are encouraged to use modern methods of teaching and learning using free and open resources available on the internet. Smart classes are introduced in all Departments. Weekly seminars are conducted by students and participation of students in evaluation process is encouraged.

TEACHER QUALITY:

The faculty of the university is very well qualified and experienced with diverse specializations and are appointed as per UGC norms. The faculty regularly participates in various seminars, conferences and workshops in India and abroad. The university regularly appoints visiting and guest faculty organizes extension lectures from faculty coming from other institutions. Contract teaching positions are also advertised and necessary steps have been taken to fill all the vacant positions through open interviews and also through CAS based promotions.

EVALUATION PROCESS AND REFORMS:

Evaluation processes are fully transparent with internal evaluation and provision for showing answer books to students. Reopening and reevaluation along with the review of results is apart of examination. Academic calendar is followed. The results are declared in time and degrees are awarded, with convocation which is held every year. The University has good track record of declaration of results in time. The University disseminates information regarding evaluation processes and results to all its stakeholders through website. The University follows UGC Regulation 2009 for admission to Ph.D. and M.Phil. programmes in all the subjects. After qualifying the Entrance tests, students have to complete course work as per UGC guidelines and then get registered for Ph.D.

STUDENT PERFORMANCE AND LEARNING OUTCOMES:

Counseling service is being provided to the students on campus related to education and personal problems. Placement service, which had been in operation with professional courses, has been formalized through a Campus Placement Cell. Counseling is done from time to time.

CRITERIA 3 - RESEARCH, CONSULTANCY AND EXTENSION

PROMOTION OF RESEARCH:

The University formulated a sound 'Research and Innovation policy' with the sole objective of accomplishing academic excellence by fostering interdisciplinary approaches in research. Most of the faculty has been able to establish several research collaboration with external Institutions/Laboratories and has succeeded in earning significant sponsored projects from various government agencies. Research seminars, workshops are regularly organized. University provides seed money as an when required to

organized such activities. Research committees are formed to encourage projects and publications. Most of the faculty members are internationally recognized.

RESOURCE MOBILIZATION FOR RESEARCH:

Several Schools of Studies have been supported by DST-FIST, UGC-SAP and by DBT. Two Schools of Studies have been identified for Department of Excellence by State Government during the assessment period from 2009-2013, 28 research projects worth over Rs. 3.5 crores were completed and many new projects are in the progress. During the last four years, the University has organized over 60 conferences/seminar of national importance which clearly shows the commitment of Jiwaji University towards knowledge dissemination and research.

RESEARCH FACILITIES:

The infrastructural requirements for research is facilitated by the University through UGC Plan grant, DST-FIST programme, UGC-SAP programme, DBT grant, and major research projects. The University is equipped with UGC INFLIBNET facility and over 4500 online journals are available to the students. The University has Science Instrumentation Centre (USIC) with man power in electronics. There is one Trace Element Research Centre supported by UNESCO in the School of Studies in Zoology. A Bioinformatics centre supported by DBT is functioning actively and meeting the requirements of students of life **sciences**.

RESEARCH PUBLICATIONS AND AWARDS:

The publication record of the University is impressive with increase in number of high quality publications during the last four years. The range of impact factor of all the publications is 0.5-6.5. The cumulative impact factor of several faculty members are high with good h-index and i10-index.

CONSULTANCY:

The University has worked out a policy for consultancy and two Schools of Studies have consultancy project, one from M/s Deendayal Aushadhi Pvt. Ltd. and other from Rajiv Gandhi Watershed Management Programme of M.P. Various teachers have developed and transferred technologies to small scale industries. The School of Studies in Zoology and Environment Science giving consultancy to MP Forest Department and also to various industries.

EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY:

The University has National Social Service (NSS) wing to look into the extension activities of the students in the campus. The University is also running master programme on extension education and social work. A Diabetic check-up camp is organized on every Sunday in Biochemistry department and is running very successfully for more than ten years. The University has a regional centre for Culture and Heritage where students are educated on aspects of culture and heritage. Legal literacy camps, legal aid clinics are promoted.

COLLABORATION:

The University advocates interdisciplinary research and specific collaborative research projects among different Schools/ Centres of the University. The University developed Memoranda of Understanding (MOU) with different National laboratories for strengthening teaching and collaborative research.

CRITERIA 4 - INFRASTRUCTURE AND LEARNING RESOURCES:

PHYSICAL FACILITIES:

Jiwaji University has created sufficient physical infrastructure through proper planning supported from UGC/ State assistance, grants under UGC-SAP, DST-FIST, MFPI and DBT. The University also provides research infrastructure in most of the Schools of Studies. The Schools of Studies have well furnished classrooms, computers with internet facility. Very recently, smart classes have been introduced in UTD's. The University proposed to set up a Sophisticated Instrument Facility (SIF) and a proposal in this regard is under active consideration by the State Government.

LIBRARY AS A LEARNING RESOURCE:

University Central Library and Computer Centre provide diverse learning resources. The library is equipped with books, periodicals, latest national and international e-Journals. Adequate Internet facility with computers under UGC-INFLIBNET services are available to faculty as well as students. All the Schools of Studies are connected with the main server of central library for INFLIBNET services.

The University is planning to develop student - teacher interaction through Open Access System under ICT facility. The University is also contributing for database "*Vidwan*" for inflibnet. This will help in educating the students of the affiliated colleges with subject experts available on campus. Students are also using "*e-Pathshala*" portal provided by UGC.

Hostel facility for boys and girls, health centre and Day care-cum-health centres are valuable supporting facilities on the campus. Sports infrastructure facilities are near adequate for all students. The School of Studies in Physical Education nurtures sporting talents. All the common facilities are available to the faculty and students.

IT INFRASTRUCTURE :

The University plans for upgrading its IT facility with latest computing facilities connecting the examination, accounts, academy and development sections. The University takes measures to update IT infrastructure time to time and is also proposing students Bar code system. The university has executed a plan to develop university management software system a part of which has already been implemented in the account section of the university. Various database packages are available on Internet and many of them are used by the faculty members in the class room teaching on regular basis. The student are using e-library for their preparation, searching literature and generating knowledge.

MAINTENANCE OF CAMPUS FACILITIES:

A Campus development committee is constituted which plans for the maintenance of the campus. A

special budget provision is also created for maintaining and upgrading the campus facilities.

CRITERIA 5 - STUDENT SUPPORT AND PROGRESSION.

STUDENT MENTORING AND SUPPORT:

The University gives considerable importance for student support and progression. During the last four years, students are supported for their mentoring in academic studies, cultural and sports events, career guidance, grant for scholarships /fellowships, coaching for NET/GATE/SLET examinations and placement opportunities. They are also mentored to develop ethics, human values, sense of social responsibility and environment consciousness. The University has SHAW Cell, Anti Ragging Committee, Dean for Student Welfare, Placement cell, Entrepreneur cell etc. The DSW and School of Studies in Physical Education provide opportunities to students for participation in different cultural activities. Alumni Association has contributed fellowship to the best students. Redressal and student grievances cell is very active. Special care of the students is also taken during '*Jan sunvai*' every week.

STUDENT PROGRESSION:

The progression of the students in various programmes is regularly monitored, special efforts are taken to increase the performance of the students by providing assignments. The institution has a successful track of students appearing and qualifying in competitive examination. The institution monitors timely submission of M.Phil. and Ph.D.

STUDENT PARTICIPATION AND ACTIVITIES:

All round development of students, both physical and mental, is targeted as a prime objective. Inter-University competition and youth festivals are organized by the University every year. Large numbers of students are enrolled for research leading to M.Phil. and Ph.D. degree, some students after completing the course join various research organizations and Universities abroad. The University organizes environmental awareness programme every year on World Environment Day. The University also promotes heritage consciousness among students. Every year, the Science Day is organized to develop scientific temperament among the students with the help of MPCST cell. Every year food day is also organized in campus. Ancient History and Cultural Heritage and Tourism Department conduct awareness programmes on heritage of Gwalior in Madhya Pradesh and surrounding states. Practical Newspaper '*Lakshya*' (monthly) is released by students of Journalism and Mass Communication department. '*Panorama*' official Newsletter of Jiwaji University has student corner and Sports Magazine (Half-yearly) is also released by the university.

CRITERIA 6 - GOVERNANCE, LEADERSHIP AND MANAGEMENT.

INSTITUTIONAL VISION AND LEADERSHIP:

The vision and goals of the institution reflects the objectives of higher education. We firmly believe in enhancing the well-being of the people by Educating, Creating Knowledge and Serving the Society by putting the knowledge to work with excellence. The University runs as per Act, Statutes, Ordinances and Regulations. The Rector, Registrar, Controller of Examinations and Finance Controller assist the Vice-

Chancellor in administrative, examinations and financial matters. The Court, Academic Council and the Executive Council are the Statutory Bodies where decisions are taken for the overall development of the University. The governance structure and functions are broad enough to allow creative approaches and innovative ways to enhance the University' academic endeavors. The Schools of Studies enjoy academic autonomy to develop their own curriculum, teaching schedule and examinations. Decisions pertaining to the operations within each Schools are made by the Departmental Staff Council. For academic programmes, the relevant Board of Studies consider revisions/modifications to the syllabi at the undergraduate and postgraduate levels.

STRATEGY DEVELOPMENT AND DEPLOYMENT:

The University has generated a good plan for its future growth through Vision Document 2025. A full-fledged Internal Quality Assurance Cell (IQAC) has been established with Vice-Chancellor as its Chairperson to work towards sustained quality enhancement and target-fulfillment in the Jiwaji University. The decisions and deliberations of various committees facilitate the overall development and continuous improvement of the University management system.

FACULTY EMPOWERMENT STRATEGIES:

The Institution adheres to the State Government policy for the recruitment of subordinate staff. The student ensures that they participate in programmes to enhance their competencies.

FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION:

The University is rich in conducting various academic and administrative activities. Financial management practices are very sound with internal and external audit. A corpus fund is available with the institution for various activities. All the expenditures incurred by the University are dully audited by the team Resident Auditor deputed by the State Government.

INTERNAL QUALITY ASSURANCE SYSTEM:

All the teachers are motivated to seek grants in the form of research projects from various funding agencies including International Agency. Academic activities are assessed by Annual Self-Appraisal Report of each faculty. The Career Advancement Scheme (CAS) ensures continuous enhancement of the research and academic output of the faculty. The University also monitors and encourages the Affiliated Colleges to upgrade and maintain the quality of their programmes and infrastructure. The University teachers are encouraged to attend and present their research work in International Conferences. Jiwaji University is the first University in the State of Madhya Pradesh to adopt the UGC regulations 2009 for maintaining quality in admission and award of Ph.D. degree.

CRITERIA 7 - INNOVATION AND BEST PRACTICES

The University is dedicated to spread awareness towards energy conservation, use of renewable energy and environment responsibility. The University has adopted different policies such as 'research and innovation policy, ethics policy and environment policy' in addition to 2025 vision document 2025 for future growth.

The University has good habitat for peacocks. The University's *Charak Uddyan* is dedicated for medicinal plants. The whole green campus is maintained by Vermi Composting. The University has also made efforts to set up a rainwater harvesting facility. Under the best practices, the University has adopted 'Jansunvai' (Public Hearing) held on every Tuesday and grievances from students are redressed on the spot. 'Public hearing' is one of the unique practices being followed by Jiwaji University. Besides public hearing, one day in a week 'Thursday' is designated 'File clearance day' where in all officers including Registrar and Vice Chancellor sit at one place and administrative processes are completed on the spot. **MOUs signed with National laboratories** which facilitates exchange of Scientists and Students to each other's laboratory contributes significantly to the strengthening and teaching as well as research. Scientists deliver lectures in their areas of specialization and students spend 12- 16 weeks in National laboratory and thus get exposure to State-of –the art facilities and research atmosphere. The University has been running self-supported courses successfully since 1994 despite of limitations in resources.

STRENGTHS

- Admission and examination process including deposition of fees are online, results are declared on time following the Academic calendar.
- Every year convocation is held and degrees are awarded on time.
- In the beginning the University had 25 affiliated colleges but today 449 Government, Government aided and Private colleges are imparting education to the students under its jurisdiction of Gwalior and Chambal Division.
- The University is pioneer in starting self supported courses, currently we have 49 self supported courses for enhancing employment opportunities for the students in India and abroad.
- Research Projects are of high scientific, social and regional relevance.
- Publications in National and International level journals with good impact factors.
- Dedicated faculty with diversified research specializations, with externally funded major research projects, faculty alliances with various National and International Institutions/Laboratories.
- Well-established Central and departmental libraries with e-resources based on optical fibre Organization of National level sports events.
 - Well established students feedback system, redressal of student grievances through weekly held 'Jan Sunwai' (Public Hearing), Student helpline (toll free number).
 - Sufficient laboratory spaces with state of art technology based lab facility.
- Promotion of cultural activities through Youth festivals at National level.
- Wi-fi facilities available.

WEAKNESSES

- Inadequate faculty strengths to meet the student-teacher ratio.
- Inadequate administrative and supportive staff for implementation of e-governance.
- Limited financial support from the State Government for expansion programmes and maintenance of existing infrastructure.
- Dependency on State Government for several policy decisions.
- Lack of complete autonomy.
- Inadequate infrastructural facilities in affiliated colleges for achieving academic excellence.
- Insufficient research avenues in Arts, Humanities and Social Sciences.

OPPORTUNITIES

- Getting Funds from '*Rashtriya Uchha Shiksha Abhiyan*' (RUSA).
- Creating University with Potential of Excellence (UPE) and creating Centres for Advanced Studies.
Introduce Choice Based Credit System (CBCS) with modular courses in PG programmes.
- Attract students from other parts of India and abroad, establish International Collaboration.
- Establishment of more skill oriented programmes.
- Establishment of community college.
- Construction of Convention Center (Auditorium Complex), Students facility Center, International Student Hostel, Sophisticated Instrumentation Facility (SIF).and Visiting Scholar Complex.
- Buildings for Interdisciplinary School in Arts, Social Sciences and Technology.
- Scope for expansion of infrastructure towards establishing new departments in emerging disciplines like pharmacy, law, engineering and technology.
- Promote multidisciplinary research and issues related to local community.
- Scope for strong linkages with local industries for skilled human resource.
- Up-gradation of documentation and digitalization and other academic activities.
- To offer new job oriented, postgraduate and diploma courses to integrate the above disciplines and programmes.
- Extension of Health Care services.
- Promotion of Eco-friendly services on campus.

CHALLENGES

- Recruitment of regular faculty in different disciplines to meet student-teacher ratio.
- To overcome difficulty in roping leading industries for manpower development, training and consultancy projects.
- To bring the various disciplines under one roof for promotion of collaborative and inter disciplinary research.
- To establish world class infrastructural facilities for academic research.
- To attract international students to the campus.
- Strengthening of Alumni Association for helping hand in institution building.
- Ensure academic and administrative and academic quality in affiliated colleges.
- Placements.
- Strengthening of research centre for arts, social sciences, Law and humanities.
- Social transformation and sensitization of local community towards academic growth.