

# **1. EXECUTIVE SUMMARY**

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## **1.1 INTRODUCTION**

Guru Ghasidas Vishwavidyalaya (GGV), Bilaspur, Chhattisgarh, India, established as a State University under Madhya Pradesh Vishwavidyalaya Adhiniyam - 1973 was upgraded to Central University on 15th January 2009 by the Central Universities Act, 2009 (No. 25 of 2009). It is one of the leading institutions of higher education in the country situated in the Schedule – V area of Central Tribal Belt in Chhattisgarh.

It is a residential University spread over 655.76 acres of land with a buildup area of approximately 201450.97 Sq m. The lush green campus, having a wide variety of flora and fauna, wild life, microbes, etc., exhibits an enriched biodiversity.

The University has been imparting quality higher education through its 32 academic departments under 11 Schools of Studies.

The University offers 114 academic programmes with 9417 enrolled students. Our efforts for sustaining the Research and Development has resulted into research funding of more than Rs. 2900.00 lakhs emanating from both governmental as well as non-governmental sources. The concerted efforts resulted into 3600 outcomes with excellent pass out percentage, placement, progression, publications, patents, and collaborations.

In addition, the learners are engaged in effective societal transformation through Unnat Bharat Abhiyan (UBA), NSS, NCC, Ek Bharat Shreshtha Bharat (EBSB) and On-Campus initiatives such as GGV Swabhiman Thali (GST), Swablambi Chhattisgarh, GGV Shravan Line (GSL), GGV Jal Pyau Service (GPS), Vrudhashram and Day Care Centre (Kilkari).

The University, in pursuit of contributions towards national development, has successfully supported 20 startups.

The University has emerged as a leader in the effective implementation of NEP-2020. We have attained significant achievements including 100% registration on Academic Bank of Credits (ABC) portal and incorporating ABC with multiple entry and exit options, Multidisciplinary, Flexible and Holistic education, incorporating Indian Knowledge System (IKS) components and extra-curricular elements into four years Under Graduate Programmes. This is in line with the NEP vision of evolving learners deep rooted with Indian traditions and bearing the flags of advanced 21st century skills. In addition, flexibility is also provided by offering maximum 40% choice of the courses in the curriculum through MOOCs and blended mode learning opportunities from other institutions including ABC.

### **Vision**

Motivated by the thoughts and teachings of Guru Ghasidas, a great Satnami Saint of the 18th Century, Guru

Ghasidas Vishwavidyalaya, Bilaspur is committed to social empowerment, particularly of the weaker sections of the society, with the help of quality higher education and training. The focus of the University is on offering and strengthening innovative academic programs in emerging interdisciplinary areas of Science, Social Science, Engineering and Technology, Management, Commerce, Law, Pharmacy and Humanities with quality assurance so as to contribute to the growth of the knowledge base of the University in particular and of academia in general. The University aims to provide a value-based holistic education which will lead to the growth and development of a community better equipped to serve mankind.

### **Mission**

The mission of Guru Ghasidas Vishwavidyalaya is to provide equitable, affordable and professionally relevant, quality higher education in a continuously changing global scenario. The aim is to develop citizens with knowledge, skills, and character who can contribute to national development meaningfully. The University endeavours to promote the concept of inclusive growth in higher education.

### **Objectives**

The objectives of the university are:

- To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit;
- To make special provisions for integrated courses in Humanities, Social Sciences, Science & Technology in its educational programs;
- To take appropriate measures for promoting innovations in the teaching-learning process and interdisciplinary studies and research;
- To educate and train manpower for the development of the country;
- To establish linkages with industries for the promotion of science and technology; and
- To pay special attention to the improvement of the social and economic conditions and welfare of the people, and their intellectual, academic and cultural development.

### **Institutional Core Values**

1. Developing character, ability, and creativity through adherence to academic integrity and human dignity
2. Striving for wisdom and excellence through knowledge and innovation with a specific thrust upon promoting regional/traditional knowledge and ethnic values
3. Instilling a spirit of entrepreneurship and innovation
4. Inculcating scientific ethos and democratic values

5. Promoting values such as tolerance, truth, forgiveness and Vasudhaiva Kutumbakam
6. Inculcating respect for cultural and social diversity
7. Encouraging expression of thoughts and ideas
8. Promoting access, equity and inclusiveness and developing a learner-centric academic ambience
9. Infusing national values and integration among learners
10. Promoting educational endeavours for achieving national developmental goals

## **1.2 Strength, Weakness, Opportunity and Challenges(SWOC)**

### **Institutional Strength**

- 32 academic departments housed in independent buildings, classrooms 142, smart classrooms 66, laboratories 124, Training & Placement Cell, Wi-Fi enabled campus, lecture hall complex.
- Excellent research facilities including Central Research Facility, Computer Centre, national Centre for Accelerator based Research, Animal House.
- Students amenities include Boys' hostels, Girls' hostels, Research scholars' hostels, Cafeterias, Auditorium, Psychological Counseling, Health Centre, Central Library, play grounds, gymnasium, yoga center, tennis courts, volleyball courts.
- Strong extension and innovative initiatives.
- Guest Houses, ATM, Ambulance, staff quarters, high mast floodlights, pedestrian pathways, walled campus, 24-hour campus security, public lavatories.
- Integrated e-governance and management through SAMARTH Portal.
- All programmes have components of field works/research projects/ internship.
- Mentor-mentee provision for career progression.
- Effective implementation of NEP, 2020.
- Restructured curriculum with Outcome Based Education.
- Annual curricular review with feedback from students, alumni, and employers.
- Growing number of scholarship and free-ships provisions.
- Dedicated Equal Opportunity Cell, DACE, SC/ST Cell and Remedial Cell for effective implementation

of Equity, Access and Inclusion.

- Active students' participation in organizational management including IQAC, Grievance Redressal Cell, Anti-ragging Committee, Hostel Mess and Library Committee, Young Mangers' Club, Gender Sensitization Committee, Innovation Club, Uddan Magazine, Urchins theater group, GGV News Letter, Tarang Band and Abhinartan.
- Research Promotion through Seed Money and financial support to faculty.
- Over 450 scholars (JRFs, SRFs, Post-Doctoral Fellows, Research Associates).
- Teachers receiving National/International fellowship/financial support.
- Research grant of Rs. 2965 lakhs generated through 318 research projects.
- Excellent IPR outcome: 190 patents published, 66 granted.
- 62 functional MoUs with National/International academic institutions and industries.
- 3200 publications in peer reviewed International/National Journals with high impact factor including 40% in Scopus indexed journals.
- Average h-index (Scopus/Web of Science) – 43.5, citation index (Scopus/Web of Science)- 8.06.
- Vibrant and robust Alumni Cell.
- Consultancy of more than Rs. 2.60 crores.
- Innovative initiatives for social service oriented practices – Swawlambi Chhattisgarh, Guru Ghasidas Sravan Line (GSL) and Guru Ghasidas Swabhiman Thali (GST).
- Emphasis on biodiversity preservation, water harvesting and renewable energy resource utilization.
- Internal Audit based on latest GFR and directions issued by UGC, MHRD and other funding agencies.

### **Institutional Weakness**

- Need to strengthen state-of-the-art facilities for translational research and opportunities for transforming Entrepreneurship into economic ventures.
- Need to provide strong hand-holding, career guidance and financial support through endowment to students coming from economically challenging background.
- Need to enhance the involvement of alumni and other stake-holders in University governance and quality assurance plan.

- Need for more number of hostel commensurate with the existing students' strength.
- Need to transform the existing primary health centre in to a 20 bedded full-fledged hospital.
- Need to transform existing athletics and sports facilities to international standard.

### **Institutional Opportunity**

- Establishing Centres of Excellence for synergizing teaching with innovation and technology.
- Establishing Technology Park in emerging areas such as Food Technology (Sri Anna), Forest Minor Produce, Drone Technology, Agriculture Technology and Financial Technology.
- Incorporating multidisciplinary approach in professional education for holistic professional higher education in Indian context.
- Enhancing internship opportunities and experiential learning up-to 50 %.
- To become a National role model in strategic implementation of National Education Policy-2020.
- To enhance international connect, collaboration and networking for research & teaching especially for implementing dual degree programs in niche areas.
- Enhancing cluster based interdisciplinary/multidisciplinary programs.
- Creating synergy between school education and higher education for bridging the gap between national school curriculum framework and higher education framework.
- GGV in its four decades of existence has got a diverse alumni base. This provides tremendous potentialities to be tapped for the benefit and progress of the university and students. The university can also explore possibility of seeking contribution from society for an endowment fund.
- Creating a strong entrepreneurial and start-up ecosystem.

### **Institutional Challenge**

- Having over 9000 students in 114 programmes across 32 departments, and being situated in a socially challenged and economically emerging state like Chhattisgarh, the University requires adequate and sustained financial support.
- So many departments like History, Political Science, Library Science, JMC, Forensic Science, Anthropology & Tribal Studies, etc. are running with sanctioned strength of six or less faculty members. Getting teaching positions sanctioned shall remain a key challenge for the university. Right-sizing teacher-pupil ratio across departments will remain a critical challenge for holistic growth of the

institution.

- Enrolling foreign students and global linkages, ensuring University-Industry linkage, establishing Centre of Entrepreneurship and Innovation, and Technology Park, Women Polytechnic Centre, Endowment fund for students, Building of hostels, providing congenial accommodation for faculty and staff on campus, strengthening ICT infrastructure, enhancing use of renewable energy, alumni connect remain key challenges for the university.

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

The University offers 37 UG, 39 PG, 33 PhD, 01 PG Diploma, 03 Diploma and 01 Certificate programmes in different disciplines. The Curriculum Development process is strategically planned as and when required to incorporate the contemporary understanding and the discipline requirements as per the orientations provided in the policy documents / National Education Policy. In order to design curriculum framework incorporating skills, innovations, research, experiential learning, hands on training, vocational experience, the concerned Boards of Studies are restructured to include external expert members from Industries, Professionals, Alumni etc. to share their inputs in designing the curriculum.

While formulating the curriculum, the vision and mission of the University, skills, research & innovation for sustainable local, regional and national development, emerging technologies, environmental concerns, gender equity and ethical considerations have been given due weightage.

Curriculum restructuring has focused on multidisciplinary, vocationalization, Indian Knowledge System, 21st century skills, extra-curricular activities to provide holistic, flexible and experiential learning. The quality education being imparted in the University primarily emphasizes on individual attainments, societal engagements, and value addition towards national economy. To achieve this, the University offers ample opportunities and facilitates young minds to accomplish their creative talents providing unique innovative experiential learning through Swawlambi Chhattisgarh , Guru Ghasidas Sravan Line (GSL) and Guru Ghasidas Swabhimani Thali (GST).

The curriculum framework includes Ability Enhancement Courses (AEC) and Skill Enhancement Courses (SEC), Value-Based Courses along with Core Courses (50%), minor(32%), value based (12%) and compulsory apprenticeship is included in all UG programmes. Similarly, in PG programmes Core Courses (50%), General Elective from other departments and provision for Open Elective Courses has been kept. The ABC facility long with multiple entry and exit system is incorporated in the curriculum providing the choice to the learners by opting 40% courses from MOOCs/ABC

The University has adopted the Choice Based Credit System (CBCS) from 2018-2019 and revised Learning Outcome Based Curriculum Framework (LOCF) under the framework of NEP-2020, with Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs).

### Teaching-learning and Evaluation

The University is located in Central tribal belt having dominant SC/ST and OBC population. Despite of Covid-19 pandemic, University filled 81.59% of total sanctioned seats whereas more than 82.25% of seats belong to SC/ST & OBC are filled. This University has effectively contributed in social-economic development of these classes.

Being a Central University, we attract pan Indian learners and are sensitive towards learning level of students. The mechanism developed ensures that learner's level is measured and differential learning is reduced using remedial classes, doubt clearing, tutoring along with special focus on learner through mentorship. Despite having 28:1 student teacher ratio, University maintains it to the ideal level of 20:1 by engaging guest faculty, contact faculty, Adjunct Professors and registered Ph.D. scholars in teaching learning process. University has transformed itself as a learner centric University and enhanced experiential learning up to 40-50% in various programs. Innovative teaching learning pedagogies including flipped classroom for improving participatory learning, internship and real-life experience to learners through innovative schemes like Swavlambi Chhattisgarh and Shraavan Line are implemented. Faculty capacity building and ICT infrastructure has been enhanced manifolds so as to enable the learners to opt and effectively use technology enabled learning tools. Currently, nearly 72% sanctioned teaching posts are filled with more than 80% faculty having Ph.D. degree. Efforts are being made to improve this number significantly by speeding up the appointment process which is underway. The examination process is almost 100% online through Samarth Portal and is made grievance free. The end semester results are on the average declared within 20 days. The average outcome is 97%.

### **Research, Innovations and Extension**

**The University has a policy for the promotion of research and innovation. Accordingly, University promotes research infrastructure, upgrades the instrumentation and provides IPR protection support. In addition, the Seed Money research grant of the tune of Rs. 2.96 crores has been provided for carrying out various minor research projects. The University also has several incentives and awards to promote research and innovation among the faculties. The overall research ecosystem is maintained by the Research & Development Cell of the University and in the last five years the quality of research has improved tremendously due to integration of translational research, innovation and start-up ecosystem. During the assessment period 340 research projects (including one UGC sanctioned "Chair") worth Rs. 2980 lakhs were received by various departments from various governmental and non-governmental agencies.**

**More than 30% faculty members have been granted with various national and International Fellowships/research grants for advanced studies and research. The institute has a fully functional animal house, media laboratory, forestry museum and moot court to support academic activities. Six science departments are covered under schemes like UGC-SAP, DST-FIST, DBT etc.**

**The University has developed an integrated R&D ecosystem that encourages start-up culture integrating, Innovation, Incubation Center, TEC, Skill development cell & IPR Cell leading to more than 10 start-ups, 66 patents, 3278 research publications (h-index 43.5), 3200 books/chapters and a number of consultancies which has generated Rs. 3.0 Crore.**

**The Research & Development Cell (RDC), Technology Enabling Centre (TEC), Incubation Center, Innovation Council, IPR Cell, Industry Interface Cell and Skill Development Cell are working in tandem to provide an ecosystem in which transnational researches are incubated and successful start-ups are sustained.**

**Research ethics are strictly adhered to by adopting research policy that includes code of ethics. The Institutional Ethical committee takes care of experimentation on animals. Mandatory plagiarism checks are incorporated through URKUND software.**

**The networking and collaboration efforts have resulted into 64 MoUs. The University has rendered extension and outreach services through NSS/NCC/UBA/EBSB/Swachha Bharat Abhiyan and conducted more than 170 such programs in which more than 7000 students have participated.**

### **Infrastructure and Learning Resources**

The University has a lush green campus spreading over 655.76 acres of land with a built up area of around 201450.97 sq.mts. It is covered with a number of water bodies, shady trees, and lush vegetation with diverse flora and fauna. The University as an upgraded Central University has made excellent efforts in the last five years to enhance the infrastructure and learning resources including ICT facilities, computer labs, seminar halls, Library and other facilities to support the teaching and learning process of the University. Every teaching department has been provided with adequate ICT facilities including Smart/Semi-smart classrooms, computational resources, laboratories etc. in addition to 66 smart classrooms/seminar halls for academic usages. The University has well established Central Library housed with 183698 numbers of text and reference books excluding e-resources. In order to access 11454+ E-books and 6005+ E- Journals, the Central library of the University houses 220 computers. The University has Wi-Fi enabled campus. An E-content development facility MOOCs and Media Lab (MMM Lab) has been created to encourage the faculty members to develop online courses. The University has excellent infrastructure for sports and games with running tracks, Football, Hockey and Cricket grounds, Handball Court, Volleyball Court, Basketball and Badminton Court equipped with floodlights. In addition to these, Gymnasium, Archery facility and a sophisticated sports science laboratory adds to the sports infrastructure. The University also has a well-furnished International Guesthouse, Health Centre, Students' Cafeteria, Provision Store, Creche, Hostels, multipurpose state-of-art Auditorium with mini conference halls. The University assigns budget for infrastructure, library and maintenance of physical, academic facilities and has a system for the maintenance of these facilities.

### **Student Support and Progression**

- The University has entrenched student support system for financial assistance, capability enhancement, progression and alumni engagement. The University has well-placed provisions for annual awards for meritorious students, library fee waiver for all girl students of the University, scholarships for students belonging to economically weaker sections and students participating in national / international sports and cultural activities. The University has been providing non-NET fellowships to the Ph.D. research scholars admitted through an all-India entrance test conducted by the University for the promotion of research and innovation. University has a robust student support and progression system to provide support to students for placements, skill development, career counselling, free coaching for higher education and competitive examinations through the Training and Placement Cell, Skill Development Cell and Equal Opportunity Cell of the University. From the academic year 2022, Dr. B R Ambedkar Center for Excellence (DACE) is also providing quality UPSC coaching for selected SC students. Placement Cell maintains a strong relationship with the industry and supports students in placement. During the last five years 751 students have qualified UGC/CSIR/NET/JRF/SET/GATE/State Govt./Central Govt. Exams. 5768 students got benefitted from the teaching, learning, guidance and counselling of the Equal Opportunity Cell and the Placement Cell of the University. During the last five



years, 3051 students progressed for higher education and 3646 students got placement/employment. The students from the University have won 123 medals/prizes in sports and cultural activities in Inter-University / National events. The GGV has the provision of the Students Council (GGV-SC). In addition, students are also actively involved in several academic and administrative bodies including IQAC. The university regularly engages with its alumni through alumni meetings.

### **Governance, Leadership and Management**

All academic, administrative, financial and other procedures of GGV are conducted as per the provisions laid down by the Act, Statutes, Ordinances, Regulations and Executive orders of the university notified from time to time as per the guidelines of MoE and UGC.

In order to effectively actualize the vision and mission of the university, the system of e-governance is implemented in all areas of operations, namely, Administration, Finance, Admission and Examinations through the SAMARTH portal. University adopts zero tolerance policy against any kind of discrimination or injustice. Code of conducts for stakeholders are published and adhered to strictly.

The university also focuses on the capacity and capability enhancement of faculty members. For this purpose, HRDC of the University organizes need based Guru Dakshata Program, capacity enhancement program for blended mode learning and encourages faculty to participate in QIPs and FDPs. As a result of this a total of 417 teachers of the University attended various faculty development programmes during last five years. The University also encourages and provides financial assistance to the faculty to participate in International and National academic events. During last five years University has provided the financial assistance to 1021 faculty members for attending the academic activities.

To sustain the financial governance of the university, a well-defined Financial Resource Mobilization policy has been evolved. The University follows GFR-2017 for all purchases and financial transactions. Internal audit is mandatory before any payment. CAG audit is done annually with minimal pending objections.

IQAC has been instrumental in effective planning and implementation of policies, procedures and activities. It is also proactive in initiating various measures and programs for providing quality assurance in teaching and implementation of NEP-2020 and monitors its effective implementation including Outcome Based Education (OBE) and carries Academic and Administrative Audit to ensure transparency and accountability. Accordingly, research, innovation, and entrepreneurship have been integrated with curriculum framework. IQAC is also participating in getting international ranking and recognition such as Green Metric University Ranking, QS Ranking, Times Higher Ranking and ISO 14001:2015 AND ISO 9001:2015

### **Institutional Values and Best Practices**

University is committed to ensure gender equity and provides equal opportunities for all genders in various activities. It conducts annual Gender Audit to analyze gender equity status. University is equally conscious towards environmental sustainability and has taken initiatives for utilizing renewable energy and conservation of natural resources. 2 MW Roof top solar power plant, Solar & sensor-based street lights, LED lights, Power efficient equipments and Biogas plants are installed for efficient energy usage.

University has adopted sustainable waste management practices including conversion of food waste to biogas, vermin compost production, liquid wastes disposal through septic tank/soak pits/STPs connected to buildings. E-waste, toxic, radioactive wastes disposal is done as per the hazardous waste disposal policy enacted by the University.

Water conservation is ensured through rain water harvesting system installed in all the buildings, anicuts and water bodies so as to utilize the rain water to maximum extent

More than 74% of the campus is covered with lush green forest, including 11% area covered with plantation resulting into pollution free green-clean campus. University promotes use of bicycles, pedestrian friendly pathways, e-rickshaws, no-vehicle zones, and ban on single-use plastic. The institutional environment and energy initiatives are validated through green, energy & environmental audit.

All buildings on the campus are differently-abled persons friendly. Assistive technology and facilities for differently-abled persons are also provided.

Tolerance, cultural awareness and community service is encouraged with the spirit of inclusiveness. Programs are organized regularly to support social, socio-economic, linguistic diversity and promote physical, spiritual and mental well being of students, faculty and staff.

University different initiatives to sensitize the students and employees to sensitize students and staff as responsible citizens, including but not limited to celebration of constitution day, voter awareness programs, pledge, workshops, essay writing competitions etc. Social inclusion is stimulated through various extra-curricular activities and extension programs organised by NCC, NSS, Ek Bharat Shrestha Bharat, Unnat Bharat Abhiyaan

Code of Conducts are uploaded on university website & displayed in the campus. University organizes professional ethics and awareness programmes.

The University adopted best practices including “Sustainable Environment Practice” and “Swawalambi Chhattisgarh”.