



गुरु घासीदास विश्वविद्यालय, बिलासपुर  
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)  
GURU GHASIDAS VISHWAVIDYALAYA, BILASPUR  
(A Central University established under Central University Act, 2009)

चतुर्थ दीक्षांत समारोह

शनिवार, अप्रैल 20, 2013

FOURTH CONVOCATION

Saturday, April 20, 2013



वार्षिक प्रतिवेदन

प्रस्तुतीकरण

**डॉ. लक्ष्मण चतुर्वेदी**

कुलपति

गुरु घासीदास विश्वविद्यालय, बिलासपुर (छ.ग.)

Annual Report

By

**Dr. Lakshman Chaturvedi**

Vice-Chancellor

Guru Ghasidas Vishwavidyalaya, Bilaspur (CG)

Hon'ble Prof. Ved Prakash ji, Chairman, University Grants Commission, Chief Guest of the 4<sup>th</sup> Convocation, Padma Shri Prof. (Dr.) N.R. Madhava Menon, Chancellor of the University, members of the Executive Council, Academic Council, Deans of Schools of Studies and Heads of various Departments, Faculty Members, Staff, Young Graduates, Dear Students, Media Persons, Ladies and Gentlemen.

It is indeed a matter of privilege and great pleasure for me to have an opportunity of welcoming you all on the occasion of the Fourth Convocation and presenting the Annual Report of the University during the short but eventful period of one year.

Guru Ghasidas University was established in 1983 as 9th state University of the then undivided Madhya Pradesh State. **On January 15, 2009, the University was upgraded as a Central University by an act of Parliament, Central Universities Act, 2009.**

To fulfill the long-standing expectations of the people of the state for getting quality higher educational opportunities, university has continued its efforts with an accelerated pace for infrastructural development and better research facilities during the last 4 years.

It is my pleasure to share with you all that our academic programs - teaching & research, conduct of examinations and declaration of results were all achieved, by and large as per schedule. All through the year, University's effort has been on quality improvement in academics and reforming the administration to march towards excellence.

I take this opportunity to present before you a brief summary of some important developments and progress made during the year.

### **Efforts towards improving the Academics:**

Like previous years, our efforts have been to attract the best students in all the programs offered on the campus. Admissions that have been made through Vishwavidyalaya Entrance Test (VET) conducted on all India basis, have attracted a large number of students. This year we have started the VET centre at Raipur and intend to increase the number of centres in other states also to facilitate the applicants. Ph.D. program of the university has been a great success where, against 160 Ph.D. seats available for

admission through Vishwavidyalaya Research Entrance Test (VRET), we received 1700 applications. Fellowship is offered to all Ph.D. students. The course work requirement for Ph.D. students was strictly followed and completed as per UGC guidelines.

University has successfully recruited 144 well qualified faculty in different departments from all parts of the country. Efforts are underway to fill up the remaining faculty positions sanctioned by the UGC. University has now adopted the **Rolling Advertisement Pattern** followed by other premier institutions, providing the opportunities to qualified and aspiring candidates round the year.

Like previous years, special efforts were made for consolidating laboratory infrastructures for various Science/Technology courses. This year, Equipments and softwares worth Rs. 8.00 Crores are added. In addition, creation of 45 E-class Rooms and 05 Smart Class Rooms worth Rs. 6.00 Crores are in process.

### **Establishment of 3.0 MV Pelletron Accelerator Facility for Interdisciplinary Research:**

Establishment of the State of the Art Accelerator based Interdisciplinary Research facility has been taken up on priority basis. Finance Committee and the Executive Council of the University approved Rs. 10.00 Crores for starting to build this facility. Construction work of the Accelerator Building costing about Rs. 5.70 Crores has been awarded to RITES. Rs. 11.00 Crores has been provided by UGC and to extend the research facilities Rs. 8.50 Crores has been approved by Department of Atomic Energy (DAE) under Board of Research in Nuclear Sciences (BRNS) scheme. National Electrostatics Corporation (NEC), USA will deliver the machine in July-August, 2013. It is expected that the facility will become operational before January 2014.

Installation of this facility will not only provide the much needed boost for research and development in the interdisciplinary areas but also be a major skilled human resource development centre for providing the skilled man power for Nuclear Power Plants of the country. **For sustenance of the facility University has created a Corpus Fund of Rs. 5.00 Crores.**

## Reforms in Examination and Evaluation System:

After upgradation of the university in 2009, a number of reforms in examination and evaluation system have been implemented successfully. A switch over from external assessment to hundred percent internal assessment pattern has been adopted for continuous evaluation of students' performance. These practices allow the students to understand their strength and weaknesses, helping them in overcoming their problems and instill confidence in them. The examinations and evaluation are conducted strictly as per the academic calendar. The evaluation system includes class tests, quizzes, seminar, laboratory work, workshop practice, field practices, mid-term, and end semester examination.

Every teacher prepares a Question Bank 40% Objective and 60% Descriptive on the course content he or she teaches. Five different, dissimilar sets of question papers are sorted out from the question bank for the end semester examinations. The teacher concerned prepares the model answers of the question paper served in the examination before evaluating the answer-sheets in order to maintain transparency and uniformity in the evaluation. After evaluation the answer sheets are provided to the students but before that the model answers, which were already prepared, are displayed on the notice board to enable the students to cross check their answers. **The evaluated answer sheets of mid-term and end-semester examinations are immediately shown to the students for their performance assessment before formal declaration of results.** Thus, the process adopted leaves no place for any suspicion at any level.

By adopting internal assessment system, as against the old time-taking external evaluation, we were able to declare the results within a fortnight. Adoption of this system with total transparency, by giving the evaluated copies to students, has enhanced their satisfaction level, confidence and a positive approach for rectifying their mistakes.

**The practice of revaluation and re-totalling has been completely stopped, which is an achievement in the reforms process**

The evaluation of practicals / projects and viva-voce has also been made transparent and rational. The examiner asks viva questions in writing and students answer in the practical answer script in writing. **Both student and examiner put their signatures on the answer scripts. After evaluation the answer scripts are shown to the students. This model evaluation system has been successfully implemented and is appreciated by both students and teachers.**

## Development of Student Feedback Mechanism and Analysis

The University has developed a good feedback mechanism for the evaluation of teachers by the students. The feedback is based on 11 different attributes of effective and good teaching encompassing teaching learning processes, skill levels and mode of delivery. Evaluation forms for each teacher in each course are filled by the students and submitted confidentially in the middle of each semester. The feedback analysis is performance based on standard statistical processes. The teachers are communicated the assessment result for improving upon their deficiencies so as to enhanced the quality of teaching. The Deans and Heads of the departments interact with each individual faculty member and guide them for further improvement in teaching and learning processes. In addition All classrooms are fitted with close circuit television (CCTV) for direct monitoring of class room teaching.

## Efforts towards Information & Communication Technology (ICT) Enabled Campus

University has developed a 8 km long fiber optics based campus network under the National Mission on Education through Information & Communication Technology (NMEICT) scheme of MHRD, Govt. of India with a dedicated 1 GBPS leased line. A total of 603 nodes in star configuration provide internet access to all academic departments and administrative sections of the university. The reliable, fast and uninterrupted NKN based internet connection has changed the whole atmosphere on the campus as almost 12,000 online resources (Journals) under InflightNet along with online Science Direct resources are on the desk of all teachers and are made available to the students.

In order to transform the campus environment from conventional to smart ICT enabled online digital campus, an Integrated University Management System (IUMS) has been executed with all academic and administrative processes being online and automatic. In the first phase of its implementation, modules for Finance, Accounting, Human Resource Management System (HRMS), Academic, Examination, Confidential, Admissions, Students portal, etc. has been completed and the data / server room has been prepared. **IUMS and Smart Class Room will be activated by our Chief Guest Prof. Ved Prakash ji and Chancellor Padma Shri Prof. (Dr.) N.R. Madhava Menon which will start functioning from 20.04.2013 today.** This will be a new feather in the cap as probably ours is the First Central University transforming its entire academic, administrative and financial processes online. We are also working on providing absolute security for data and redundancy for internet connectivity and power.

### **E-Classroom and Smart Classroom**

In order to make the university teaching ICT enabled online and interactive for better utilization of academic resources, we have started constructing facilities for 05 smart class rooms and 45 e-classrooms having all modern multi-media teaching aids like wall-mounted Plasma screen, LCD, OHP, interactive podium, video conferencing , CCD based monitoring and biometric attendance system based on NKN internet connectivity. The first smart class room with video conferencing facility is already constructed and remaining ones will be ready within three months. We have already displayed the launch of NKN series lectures (delivered by Dr. Sam Pitroda) to more than 3000 students on the campus using this facility, and our Executive Council meeting was held interactive with MHRD through video conferencing.

### **Enhancement in Library Facilities:**

In 2012-13 the budget allocation for books and Journals has been enhanced from 65.00 lakhs to 200.00 lakhs. More than 12000 new text books have been added in the central library and more than 190 Indian and around 45 International Journals are being subscribed. The number of books in the Central Library has gone up to 1, 11,497, along with 10,000 copies

of thesis and back volumes of journals. In addition, more than 12000 online journals are also made available to our students and faculty via eight databases provided by UGC-INFONET, INDEST and Science Direct Database.

Special budgets have been provided for books to newly created departments of Law and Forensic Science. In order to provide better e-resource access to the students, 25 nodes are added this year to already existing internet facility and plans are approved to increase this by 50 more nodes. Through campus network and wi-fi, these online resources are now available on the campus including boys and girls hostel round the clock

We are in the process of installing advanced surveillance system for the library security through RFID technology.

Feedback is collected from the students through complaint box, telephone, email and personal meeting **for the improvement in library services.**

### **Building Infrastructure:**

Realizing the shortage of space for academic departments, residential accommodation and basic amenities needed for students, special efforts were initiated last year to start the process of construction.

After upgradation the university provided 173 staff quarters for Teaching and Non-teaching staff of the University. This year, the basic facilities such as roads, garden, landscaping, street lighting, etc. were provided to the colony. The greenbelt developed in the colony provides pleasant environment for residents. University is planning to construct 150 new quarters for the newly recruited faculty and proposal for funds have been submitted to UGC under XII Plan.

The construction of incomplete buildings of Forestry and first floor of University Teaching Departments (UTD) has been completed, whereas that of Physics and Rural Technology is nearing completion. Construction of new building for Biotechnology and Institute of Technology workshop is in progress. The new buildings for Cafeteria, Health Centre, University

Guest House and Guest House for academic staff college are also nearing completion. The construction for three new hostels and the buildings of Department of Zoology and Chemistry have also begun. Building committee has also approved the construction of Workshop cum Central Research facility building for Accelerator workshop and Sophisticated Analytical Instrumentation Facility (SAIF). The construction of Humanity Block is also about to start. The total construction works going on currently and those completed this year amounts to nearly Rs. 60.00 Crores.

The ongoing construction of University boundary wall has been accelerated speeded up and is expected to be completed by this summer.

University has also renovated a number of laboratories and seminar halls providing false ceiling and new floorings. Some old barracks were completely renovated for creating new laboratories for civil engineering.

### **New Academic Initiatives:**

University has instituted four new Chairs in different schools: **Homi Jahangir Bhabha Chair in Physical Sciences, Vishweshwariya Chair in Engineering & Technology, Ramanujan Chair in Mathematical & Computational Sciences and Dhanvantari Chair in Pharmaceutical Sciences.** This is aimed at disseminating the seminal contributions of these legendary figures in their respective areas, for furthering their mission and boost the researches in respective fields with contemporary perspectives. **To sustain the scheme, the University has created a Corpus Fund of Rs. 5.00 Crores.**

### **Achievements in Academics: Teaching & Research**

#### **Students Achievements:**

Our continuous efforts of last four years in improving the quality of education and research have now started yielding results. This is reflected through the achievements of students in various examinations conducted by the national bodies. To mention a few, **from our first B.Tech. Batch admitted through AIEEE 111 students have qualified GATE examination, out of which 03 have occupied positions in top 50. Apart from this, 69 students from other disciplines have also qualified in**

**GATE. Similarly, 54 students have quailed NET, 18 with JRF. It is pertinent to mention that 12 students have qualified NET, conducted for the first time for Engineering Disciplines, one student securing 25<sup>th</sup> rank at All India Level.**

**Better academic ambience and growing research facilities have started attracting talented students for joining research in the university. This is evident from the fact that 14 students with national fellowship from DST and UGC joined the research programme in this University, 07 with Inspire Fellowship and 07 Rajiv Gandhi Fellowship this year. In addition, 10 Basic Science Research (BSR) fellowships were sanctioned directly by UGC to two SAP departments.**

### **Major Research & Development Supports Received**

In addition to grants received for Accelerator facility, the following Major Research & Developmental Programs were sanctioned during the year:

#### **1. Department of Science & Technology (DST) Builder program in Life Science:**

Rs. 4.05 Crores have been sanctioned by DST under builder program to boost the laboratory infrastructure for under graduate and post graduate teaching.

#### **2. Departmental Research Support (DRS) under Special Assistance Program (SAP) :**

Department of Pharmacy and Department of Pure & Applied Physics have received grant of Rs. 95.00 Lakhs each under SAP of UGC.

#### **3. Funds for Improvement of Science & Technology Infrastructure (FIST):**

Department of Pure & Applied Physics has been inducted under FIST program of DST second time this year with the Grant of Rs. 80 Lakhs.

#### **4. Establishment of Sophisticated Analytical Instrumentation Facilities (SAIF):**

Department of Science & Technology (DST), Govt. of India has identified the University for the Establishment of SAIF. The proposal of the university has been screened and approved. Formal sanction letter for annual grant of Rs. 5.00 Crores for this year is awaited.

### **Sponsored Projects & Start up Grants:**

Our faculties in various departments have been actively involved in Research & Development work as evident from the total sponsored research projects grants received from UGC and other funding agencies (nearly Rs. 19.00 Crores), this year. Out of this, Rs. 13.12 Crores has been from UGC, which includes a number of startup grant projects to newly appointed faculty members. Rs. 5.64 Crores have been sanctioned from other funding agencies. **30 faculty members received Major Research Project, 24 new faculty got start up grant by UGC and 05 Departmental Research support were received from various agencies.**

### **Research Publications:**

During last one year more than 250 research papers (International & national) have been published.

### **Conferences & Seminars:**

Various departments organized ten national level conferences / seminars during the year.

### **Enhancement in enrolment:**

The students' enrolment has increased **from 2000 in the year 2009 to now 5008**. The 5 years Integrated UG/PG programmes, with exit option, introduced in 15 disciplines of Science, Humanities, Social Science and Arts have become very popular with large numbers of bright students joining the university. The encouraging results prompted us to enhance the number of seats in all these programme this year.

### **Academic Staf College**

This year, Academic Staff College organized the following programs successfully.

UGC Orientation program	-	<b>03</b>
UGC Refresher Course	-	<b>03</b>
Training programs for employees	-	<b>04</b>
DBT sponsored –Special Training Course (STC)	-	<b>01</b>

### **Other Important Achievements:**

- Full (100%) utilization of the UGC Plan grant has been made.
- Memorandum of Understanding (MoU) with Bilaspur University is signed for Collaborative Quality Research & Teaching.
- Student enrollment on the University campus has **increased significantly from 2000 in the year 2009 to 5008 in the year 2012**.
- Raj Bhasha Cell started functioning and all documents are being made bilingual. Further, the publication of Hindi Magazine “ Akshar” is also started by the cell.
- Water reservoir are being maintained and renovated considering the water crisis especially during summer and to maintain the ground water level.
- Appointments on some key non-teaching sanctioned posts (Deputy Registrar, Accounts Officer, University Engineer, and Assist. University Engineer) have been made.
- To keep the momentum of growth unabated, the university is expanding its areas of specialization by initiating international level interdisciplinary research and development programs.

## Students Council

**Students Council** for the academic session 2012-13 was constituted as per the Lyngdoh Committee recommendations. The council has been working smoothly, interacting with the university administration and helping in organizing different students' activities and suggesting for providing better students amenities. The Council has successfully organized the first annual Technical Festival (TECH-FEST) "EQUILIBRIO" this year having wider participation of all campus students.

## Students Amenities:

### Training and Placement Cell

During the session 2012-13 more than 75 students are selected by different companies such as Pradan NGO, Delhi, Valtech Solutions, Bangalore, Wipro BPO, Kolkata, ICAN Infosoft Ltd, Mid Chem technologies Mumbai, Sriram Finance and Transport, Chennai, Patil Rail Infrastructure, Hyderabad, Devanshi Engineering cons Service, Dlink Pvt. Ltd. through Campus Interview. The training and placement cell for the University is being strengthened by appointing T&P officer at Professor level.

### Students Amenities Centre

A number of creative activities have been initiated by the university for overall personality development and creativity enhancement of students. The university students publish the annual magazine – UDAN, Campus Newsletter- PRAYAS, fortnightly report PARISAR VARTA, and the Girl's hostel students – PAHAL. The university students Band has been strengthened by providing all the musical instruments needed by them.

### Cafeteria

Vishwavidyalaya Cafeteria runs on the campus on cooperative basis by the Canteen Committee that ensures the quality, rates and standards. It operates from 8.00 am to 6.00 pm. on all working days. This year many new items are added on the cafeteria Menu on students demand. The services and seating capacity have also been improved. The new cafeteria building is under construction.

## Strengthening of Medical Services:

The Medical Health Centre of the University has been strengthened with some of the basic facilities including ECG Machine, Blood Analyzer and state of the art ambulance. The full fledged Medical Officer post has been filled. Two paramedical staffs are already appointed for better health services. All hostel students have been provided with insurance cover. Medical facilities on referral basis are provided to all employees and students of the University. The new building for University health Centre is nearing completion.

## Welfare Schemes :

### Incentives for students

1. Merit Scholarship: Scoring maximum mark in examination in all faculty
2. Research Scholarship for Ph. D. Students
3. Weaker section Scholarship: Provided on the basis of merit position
4. Incentive: Cash prize awarded in different co- curricular activities.
5. **Chancellor Gold Medal:** Student having best overall performance in the whole University.

### Incentives for Teachers

The University provides incentives to those faculty members who receive recognition and projects. If the faculty is granted a project of more than Rs. 50.00 Lakhs, then one advance increment is awarded and for a project of more than Rs. 1.00 Crore, two advance increments are awarded.

## Facilities for Differently abled Persons:

Under welfare scheme instruments / vehicles are provided to the students according to their needs. Special health care facilities are also provided by the university. Free meal facility is extended to all blind students residing in the hostel of university. A sum of Rs. 5000/- per annum per student in the form of cash is provided to all blind students of the University

as financial assistance to purchase “Teaching Aid” on the occasion of Gandhi Jayanti every year. Hand driven Tricycle is provided to the physically handicapped students for their movement on the campus during education in the University.

## **Quality Improvement through Inclusive Growth:**

### **Reservation:**

The mandatory provisions for reservation @ 15% for Scheduled Castes, 7.5% for Scheduled Tribes, and 27% reservation under the OBC category (under staggered implementation plan) as notified by the UGC/GOI has been adopted by the University for admissions, allotment of rooms in hostels, allotment of residential accommodation for teaching & non – teaching staff, recruitment of teaching & non – teaching staff.

### **Special Cell for SC/ST and OBC:**

University has already established SC/ST Cell for assisting the students in getting various advantages offered by State/Central Government including the scholarships/ fellowships. University has also developed a Grievance Redressal Mechanism for the students belonging to these groups as per the Government of India, Ministry of Tribal Welfare’s Citizen Charter.

### **Equal Opportunity Cell:**

Three different coaching schemes - NET Coaching, Remedial Coaching, and In-service Coaching are run successfully with more than 476 beneficiaries belonging to SC, ST, OBC, Minorities as well as general categories.

### **Gender Sensitivity Cell:**

As per the guidelines of MHRD & UGC, and according to the direction of Apex Court of the country, a Gender Sensitivity Cell is constituted and is made functional. University is committed to provide academic ambience where all can grow with self-respect.

## **Other Important Activities:**

University celebrated **Kul-Utsav** to commemorate the birth day of Guru Ghasidasji (18<sup>th</sup> December) and pledged to follow the path shown by him.

Republic Day, Independence Day, Gandhi Jayanti, Lal Bahadur Shastri Jayanti, Teachers’ Day, National Education Day, World Environment Day, and Khel Diwas etc. were organized with the active participation of students and the faculty.

University has commemorated 150th anniversaries of Swami Vivekanand and Motilal Nehru with intense fervor in which students participated actively.

University participated in **State Rajyotsava (26 October - 01 November)** showcasing its activities to motivate young students to pursue higher education. University stall was awarded the second prize in the category of educational stalls. University also participated in the **Rajyotsava** at Bilaspur. University stall attracted a large number of visitors and was awarded First Prize under the category of Non-State Govt. Institutions

## **Conservation of Biodiversity and Water Bodies:**

Systematic efforts have been made to conserve the rich biodiversity through dense plantation, repairing and maintaining the water reservoirs. Anicuts have been constructed to conserve the rain water from the catchment areas. Efforts have been made so that no rain water can now spill away from the campus. In the teachers’ colony, heavy plantation has been done along with landscaping for two new gardens.

## **Campus Security:**

Considering the large area (658 acres) of the campus, boundary wall construction with approx. 8 Km length has already started. University security has been tightened by outsourcing of security to agency having staff selected from ex-army personnel’s. In addition, proctorial board members and other disciplinary committees are also active and keep vigil.



This has been a brief account of the progress made by the University during last one year. This, I am sure is an indication that University is marching ahead in the right direction to realize its goals.

Before I conclude, I would like to say that never in the past have there been so much hope and expectation for the future of India. For the young graduates, the road ahead is long but the journey promises to be exciting. Have a constructive and positive attitude and think in terms of solutions, not in terms of problems. As you move ahead in life, you will have to find new strengths to realize your dreams. Carry with you the courage of your convictions and the determination to succeed.

I congratulate all those who are receiving degrees and medals today, and wish them success in their future endeavors.

Thank you all.