



Reminiscences

OCTOBER 2014

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Marching Towards 20th Year of Academic Excellence 1995-2014

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

CITY GATE



**Guru Jambheshwar University of Science & Technology
Hisar - 125 001, Haryana, India**

ACADEMIC PROGRAMMES

M.Tech (Computer Science and Engineering)	MBA-International Business
M.Tech (Environmental Sciences & Engineering)	M.Com.
M.Tech (Electronics & Communication Engineering)	MBA (Evening)
M.Tech (Mechanical Engineering)	M. Sc. (Advertising Management & Public Relations)
M.Tech (Printing Technology)	M. Sc. (Bio-Technology)
M.Tech (Nano Science & Technology)	M. Sc. (Chemistry)
M.Tech (Optical Engineering)	M. Sc. (Environmental Sciences)
M.Tech (Food Engineering)	M. Sc. (Food Technology)
M.Tech (Geo-Informatics)	M. Sc. (Mass Communications)
M.Tech (Biomedical Engineering)	M. Sc. (Mathematics)
Master of Pharmacy (Pharmaceutical Chemistry)	M. Sc. (Microbiology)
Master of Pharmacy (Pharmaceutics)	M. Sc. (Physics)
Master of Pharmacy (Pharmacology)	M. Sc. (Psychology)
Master of Pharmacy (Pharmacognosy)	Bachelor of Physiotherapy
Master of Physiotherapy (Musculoskeletal Disorders)	Bachelor of Pharmacy (B. PHARMACY)
Master of Physiotherapy (Sports Physiotherapy)	B.Tech. (Biomedical Engineering)
Master of Physiotherapy (Neurological Disorders)	B.Tech. (Computer Science & Engineering)
Master of Physiotherapy (Pediatric Physiotherapy)	B.Tech. (Electronics & Communication Engineering)
Master of Physiotherapy (Cardiothoracic & Pulmonary Disorders)	B.Tech. (Information Technology)
Master of Computer Applications	B.Tech. (Mechanical Engineering)
Master of Business Administration (MBA)	B.Tech. (Printing Technology)
MBA-Finance	B.Tech. (Food Engineering)
MBA-Marketing	



Uploading the RAR for 3rd Cycle of NAAC

EDITORIAL TEAM

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Prof. Kuldeep Bansal, Dean Students' Welfare

Prof. Karam Pal Narwal, Proctor & Director, IQAC

Prof. Yogesh Chaba, Director, Distance Education

Prof. Sonika, Dy. Chief Warden - Girls' Hostels

Prof. Neeraj Dilbagi, Dept. of Bio Nano Technology

Prof. Sandeep Rana, Dy. Chief Warden - Boys' Hostels

Sh. Mukesh Arora, Head, UCIC

Sh. Harnam Singh, Dy. Registrar (Academic)

Er. Ashok Ahlawat, Superintending Engineer

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Our Chancellor
His Excellency

Prof. Kaptan Singh Solanki

Governor, Haryana

From Vice-Chancellor's Desk...



With higher education becoming a globally competitive service, there is an urgent need for every institution to achieve quality benchmarks, standards and recognition. With this in view, the debate is going on as to how to set and accomplish the quality benchmarks in different spheres of academic excellence to ensure the quality delivery of education in this competitive era. The character of an institution can be seen in the context in which its regular functioning reflects concern for quality. Every academic institution evolves its own functional modalities in its efforts towards actualizing its goals. These modalities represent institutional characteristics making it a distinct environment. Though, an academic institution is always functionally autonomous, yet it is circumscribed by a broader framework of a macro academic environment. I am happy to note that Guru Jambheshwar University of Science & Technology, Hisar, an institution providing professional and job oriented technical education, has been working in keeping with this philosophy and vision in mind. The accreditation at 'A' Grade in 2002 and again in 2009 by the NAAC consecutively is an obvious evidence to vouch for this claim. And, the University is now entering its 20th year of academic excellence with honour and prestige earned by its constituents. This publication is a well thought out attempt to put together in abridged form all important activities and achievements of the university since its inception. I wish this tradition to continue in times to come as well. It would be opportune to mention that credit for raising this institution to this level goes to my predecessors who led this University as Vice-Chancellors from time to time. At this occasion, I convey my best wishes to the dedicated faculty members, staff and students of the university.

Dr. R. S. Sharma

Registrar Speaks...



Quality education is an outcome of utmost dedicated and honest efforts aiming at academic excellence. It can be ensured through quality assessment that the institution is doing what it claims to have been doing. It is equally important to mention that an institution needs to establish the internal processes for self-analysis and assessment enabling continuous internal monitoring and external assessment for sustainable quality improvement. Such processes keep the institution academically alive to compete in today's global environment. The Guru Jambheshwar University of Science & Technology, Hisar is thoroughly aware about its role in the nurturing and growth of technical education in this region and the same is evident from its top grading by the NAAC. The whole credit goes to the dedicated team efforts made by the staff and students of this university.

Prof. R. S. Jaglan



PROLOGUE

As an initiative of state government to start a technical university in the state, this University came into being on 20th October 1995 with its initial name Guru Jambheshwar University, Hisar. Prior to its establishment, it was a Regional Centre of Kurukshetra University from which this university inherited 7 UG and PG programmes and a built up area of 7495 Sq. Mtr. In keeping with the spirit ingrained in the preamble of its Act, the University was renamed on May 20, 2006 as Guru Jambheshwar University of Science & Technology, Hisar. This University is acclaimed as first technical University of North India. It is named after 'Guru

Jambheshwar Ji, a saint environmentalist of 15th Century, who in the course of his sermons stressed-on environment, ecology, religion and humanity. The preamble of the University Act ascribes its aim "to facilitate and promote studies and research in emerging areas of higher education with focus on new frontiers of technology, pharmacy, environmental studies, non-conventional energy sources and management studies, and also to achieve excellence in these and connected fields". It was a record of the sort that the UGC approved this University under Section 2(F) within a short span of 3 months and 12(B) within 15 months after its inception.

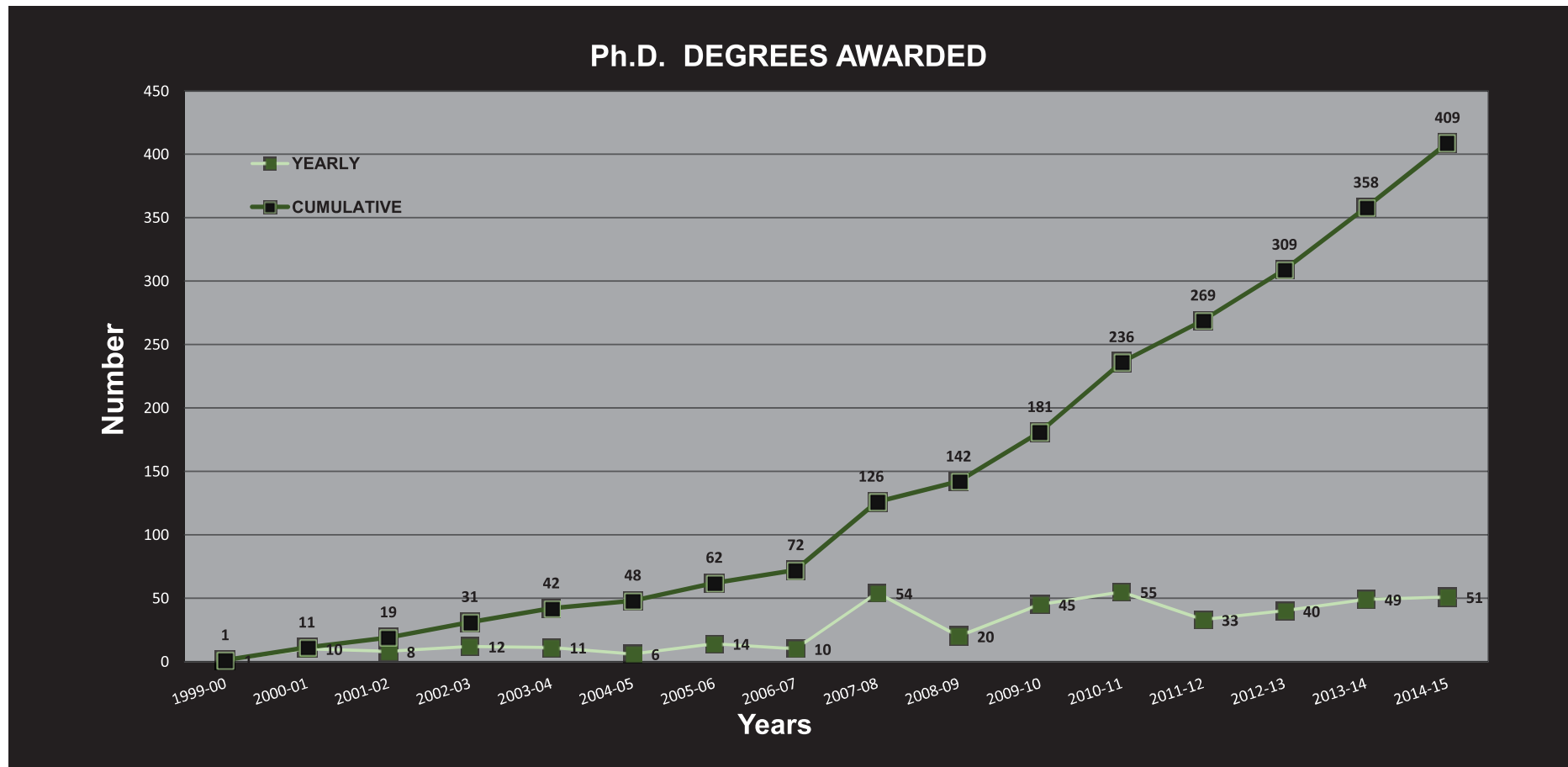
MOVING FORWARD

The advent of the university saw the start of several professional and job oriented UG and PG certificates programmes and PhD programmes in majority of teaching departments. In very first year of its dawn, the University adopted entrance tests for admission to all its programmes, signed an MoU with IGNOU to launch distance learning programmes and got an extension of its jurisdiction to 11 districts to take care of technology, engineering, pharmacy and management education. In a span of little over one year, the University started spreading its wings in outside world

so as to generate synergy through its endeavours. Some such developments include signing MoUs with important institutions and hosting North Zone Vice-Chancellor's conference in 1997-98. In keeping with very spirit of teachings of Guru Jambheshwar Ji, the University took steps to convert its barren land into a lush green campus and therefore created a separate horticulture cell which at present has assured the level of a full-fledged department with elaborate work force.



Academic Procession in Convocation, 2011



To develop integrated personality of students, the University emphasized sportsmanship among the students starting from the initial years. For instance, during 1997-98, 24 students participated in different zonal and national level sports events including All India Cross Country Race, North Zone Inter University Basket Ball and All India Inter-University Athletic Meet. Since then the University has been taking notable strides while strategically circumventing the inherent and foreseeable factors governing its progress. Not only the campus development, received powerful boost, the creation of

facilities aimed at mobilization, development and retention of human capital got simultaneous momentum. Besides starting several construction works, the university established its Health Centre with two Doctors and Sports Department with two Assistant Directors of Sports in March 1997. As an endeavour to provide linkage with society and to instill a sense of social service, the University also started two units of NSS in 1997-98. The NSS volunteers made a mark in the same year by having been acclaimed at National Integration Camp at Bankin Sardar College, Distt.24-Parganas

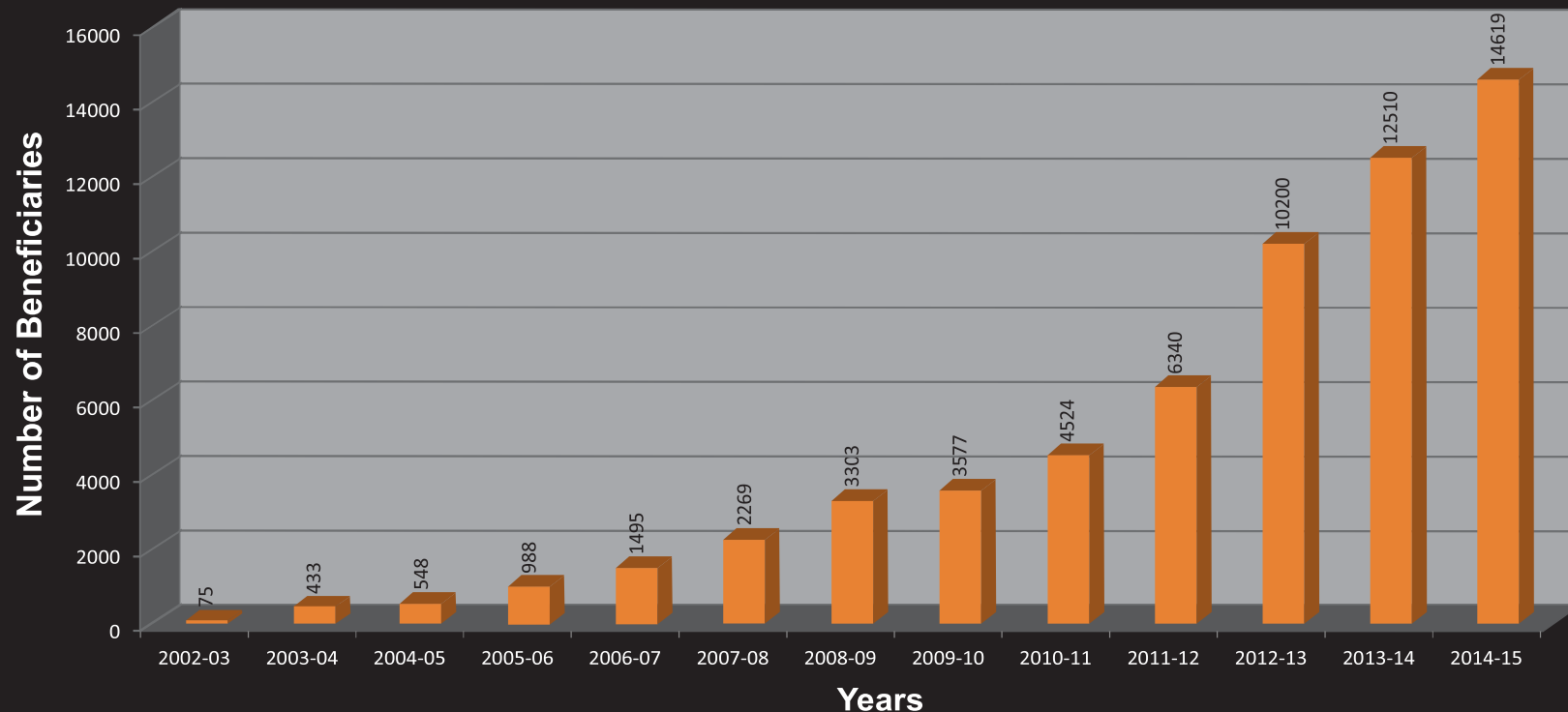


A Cultural Programme during Youth Festival, 2013

during December 22 to 31, 1997. To add to the profile and progression of students, the University introduced a cultural calendar at its very start and organized several cultural activities and events. Now the university has a separate Youth and Cultural Affairs Department headed by Director Youth Welfare under the aegis of this Directorate, the university holds Youth Festivals and other cultural activities every year. The cultural activities now form an essential ingredient of students' activities. The year 1998-99 witnessed several landmarks such as establishment of state of the art (with

V-SAT embedded INTERNET) University Computer Center with a provision of 4 hours per week of computer time to every student and also access to teachers and employees of the University; limiting jurisdiction of the University to its campus programmes and at the then P.G. Regional Center at Sirsa, introduction of part time evening course in MBA, restructuring of several teaching Departments as a result of which the present Department of Computer Science & Engineering and Department of Environmental Science & Engineering came into being, creation of separate Faculty of Media

CUMULATIVE SC/BC STRENGTH OF BENEFICIARIES UNDER WELFARE SCHEMES



Studies, etc. The University Library became member of INFLIBNET sponsored by UGC and received financial aid for hardware and infrastructural facilities. Now, the university is equipped with campus Wide Networking and Wi-Fi facility and served university library resources can be reached via university website in particular and internet and general.

In 1999-2000, the university setup its Computer and Informatics Centre (UCIC) to enhance the use of ICT in academics, research and administration

the University Library was extended by shifting in a bigger building (Guru Jambheshwar Bhawan) to provide adequate reading space to the students. The University organized a National Seminar on "Challenges in Higher Education" in March, 2001 and the same received overwhelming response from the delegates representing academics, research and administration from all over the country. The First Annual Athletic Meet was held on April 7-8, 2000. The University website was inaugurated on 20 May, 2000. With the then Department of Business Management taking lead, the university had its

first alumni meet on 25 February, 2001. The First Convocation at the nascent campus took place in March, 2001 in which the then Vice-President of India, Late Shri Krishan Kant, visited as the Chief Guest. In an attempt to strengthen facilities for interdisciplinary research in the arena of science and technology, the university established Central Instrumentation Laboratory in 2000-01 and this lab has now all state of art apparatus in its possession.

In 2001-02, the University started MCA, MBA, MIB, BCA and PGDEM programmes through distance mode, established GJU Institute of Engineering & Technology with four B.Tech programmes, conducted CEET-2001, three Departments (Business Management, Environmental Science &

Engineering and Communication Management & Technology) received UGC funding under SAP and two Departments (Management and Pharmaceutical Sciences) got AICTE funding under its MODROB scheme. In the same year the university also implemented Career Advancement Scheme of University Grants Commission and facilitated promoted to as many as 32 teachers under the scheme. It was in this year that the university faculty mobilized funding for as many as 54 major and minor projects from UGC and 12 more from other agencies. The participation of 82 universities of All India Chess Championship, is hosted by the university, was another landmark of this year. The Directorate of Distance Education of the University received a grant of Rs. 63 lacs from DEC for the first time to strengthen its students support

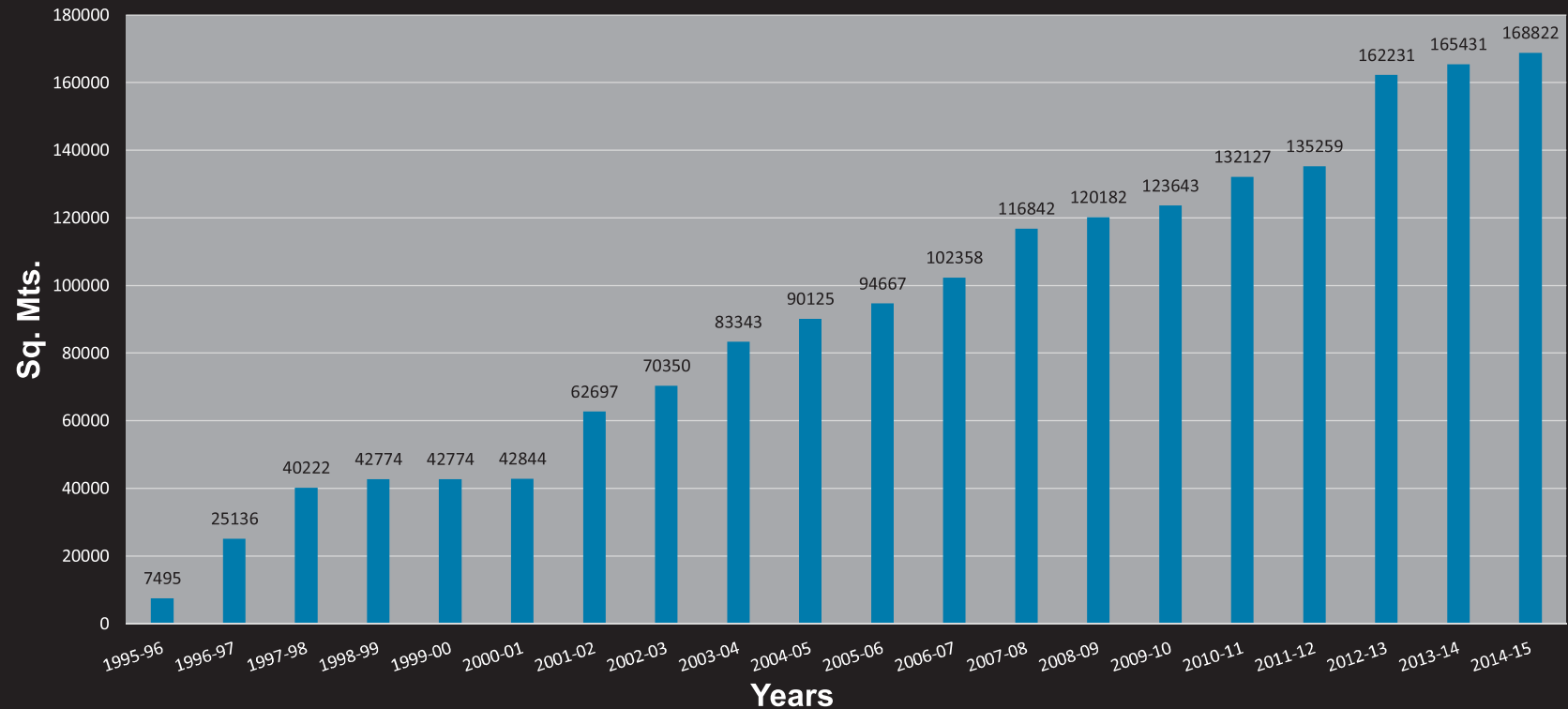


A View of Alumni Meet 2014



Administering Oath on National Voter Day - 2012

CUMULATIVE CONSTRUCTED AREA



services and other infrastructure facilities. The Directorate also organized two days Workshop on "Quality Assurance in Distance Education". The University's efforts to submit proposals also culminated into recognition of as many as 07 Departments by UGC for conducting Refresher Courses for the teachers. These include Business Management, CMT, Environmental Science & Engineering, Business Economics (now merged in HSB), Food Technology, Printing Technology and Pharmaceutical Sciences. As before,

the year remained full of activities such as visits of dignitaries (Chief Minister of State, High Powered Team of James Cook University, Queensland, Australia, Sr. Defence Officers of National Defence College, New Delhi, renowned environmentalist Sh. Sunder Lal Bahuguna).

The University earned the Honour of having been accredited as 'A' Level by National Assessment and Accreditation Council in 2002-03 for a period of 5

years. The completion of ambitious project of automation of University Library was an important achievement of the year 2003-04. A number of new buildings for residence and academic/administrative purposes were completed and construction on several more were started in the year 2003-04. The University was bestowed with the responsibility to conduct prestigious state level tests such as CEET 2004, and State Level Eligibility Test (SLET) for teaching posts, and counseling for admission to Engineering colleges of the State which the University organized successfully. To give an impetus to the patenting of research and its commercialization the university established its IPR Cell and framed IPR Policy in 2004. With an eye on

opportunities of collaborations with other institutions and mobilization of consultancies the university established an independent office named, Business Development Group in December 2005. In 2005, the University redefined its vision statement as "To develop GJU as a center of excellence for quality teaching and consultative research to produce competent technocrats and a knowledge power house capable to support the growth of economy and welfare of society". The university organized its second convocation on 14 February, 2006 in which Sh. Pranab Mukherjee, the then Defence Minister of India and present Hon'ble President of India, delivered the convocation address.

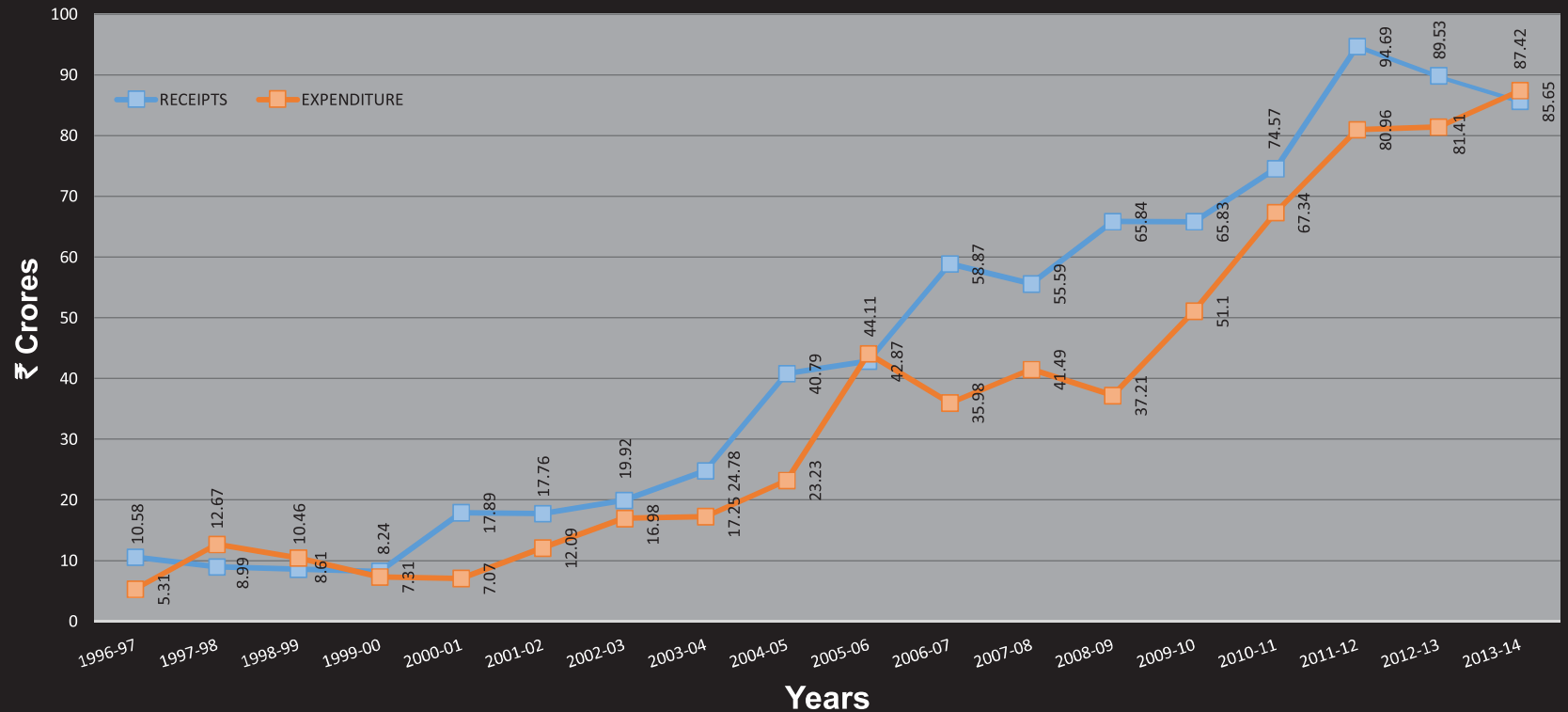


A view of UGC-NET Examination, 2013



A Glimpse of Nano Laboratory

UNIVERSITY INCOME AND EXPENDITURE



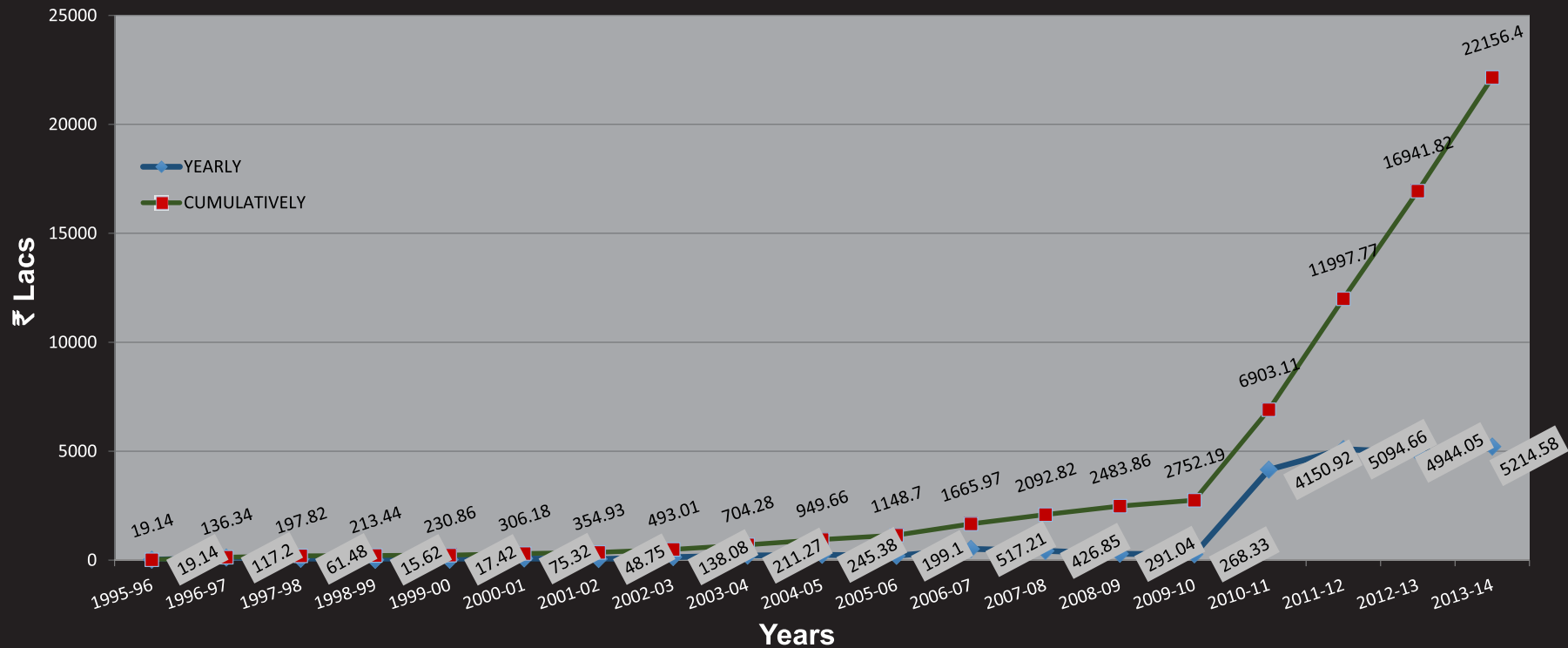
To give further fillip to the research activities, the University Library subscribed to 'PROWESS' database of CMIE in 2006. A large number of On-line Research Journals were also subscribed. As a sequel to accreditation of University by NAAC, the two Departments, namely Business Management and Environmental Science & Engineering received the honour of having their MBA and M.Tech. programmes accredited from National Board of Accreditation (NBA) for a period of three years starting 16 January, 2007.

In an earnest to achieve its envisaged objectives, the University added three more programmes namely, M.Tech. (Food Engineering), B.Tech. (Food Engineering) and B.Tech. (Packaging Technology) in 2007. In the same year, the Department of Business Management and the Department of Business Economics were merged to form the Haryana School of Business (HSB) with the goal of achieving an organization structure akin to the IIMs. To facilitate preparing computer aided teaching-learning material and providing a powerful tool for emulating virtual class room, EDUSAT was installed in the



Visiting Team of Senior Afgan Dignitaries

CAPITAL EXPENDITURE ON RESEARCH AND DEVELOPMENT

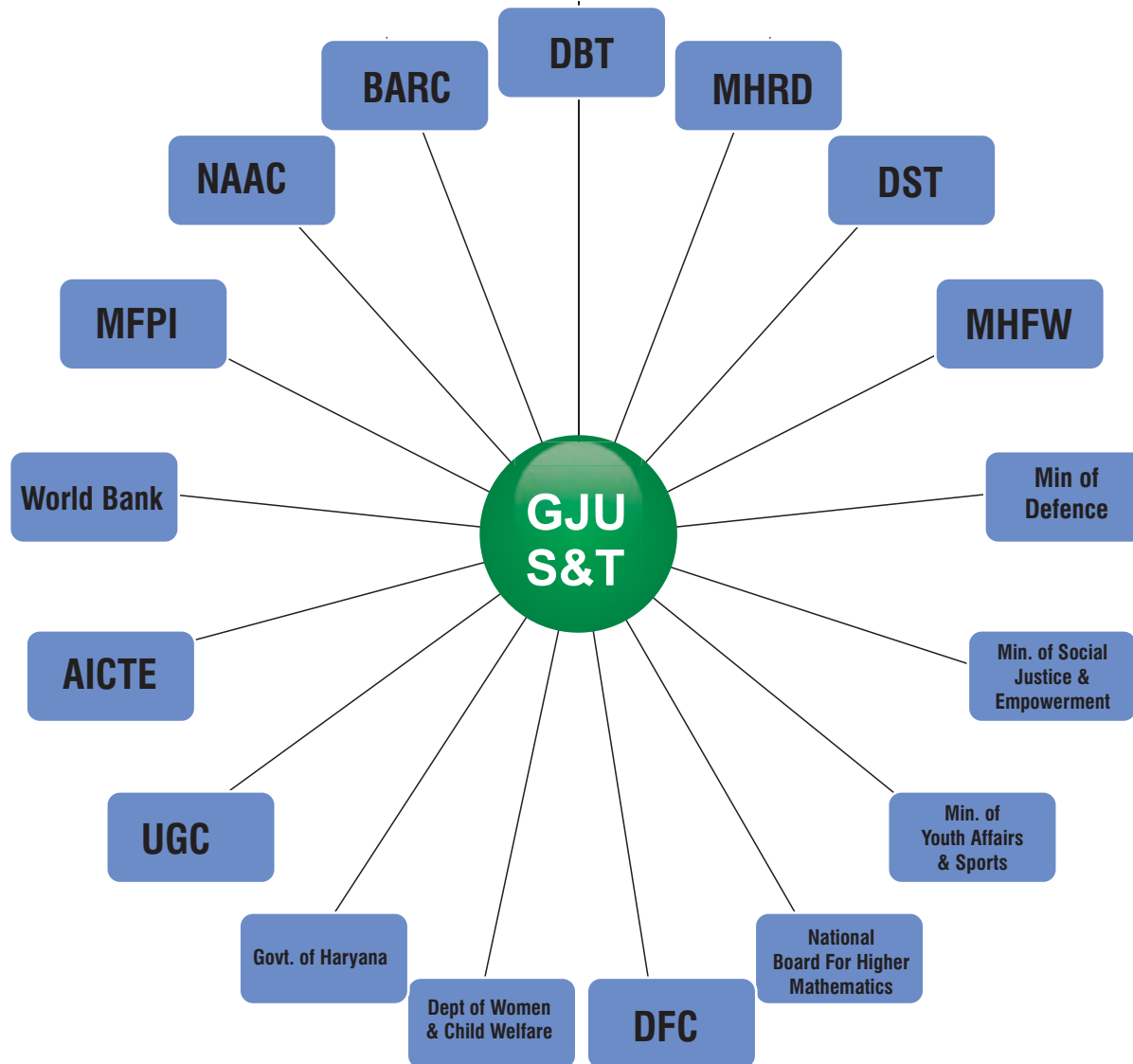


UCIC. Besides these and other computing facilities to the students, the UCIC has also been organizing training programmes on computer awareness for employees of the University and conducting on line tests for different employment and admission agencies. The media remained agog with news relating to this University. Prominent among such news were: starting of working women hostel, recognition of the Department of Physiotherapy from Indian Association of Physiotherapists, establishment of knowledge park, innovating students' stock exchange in HSB, opening of T.V. studio, release

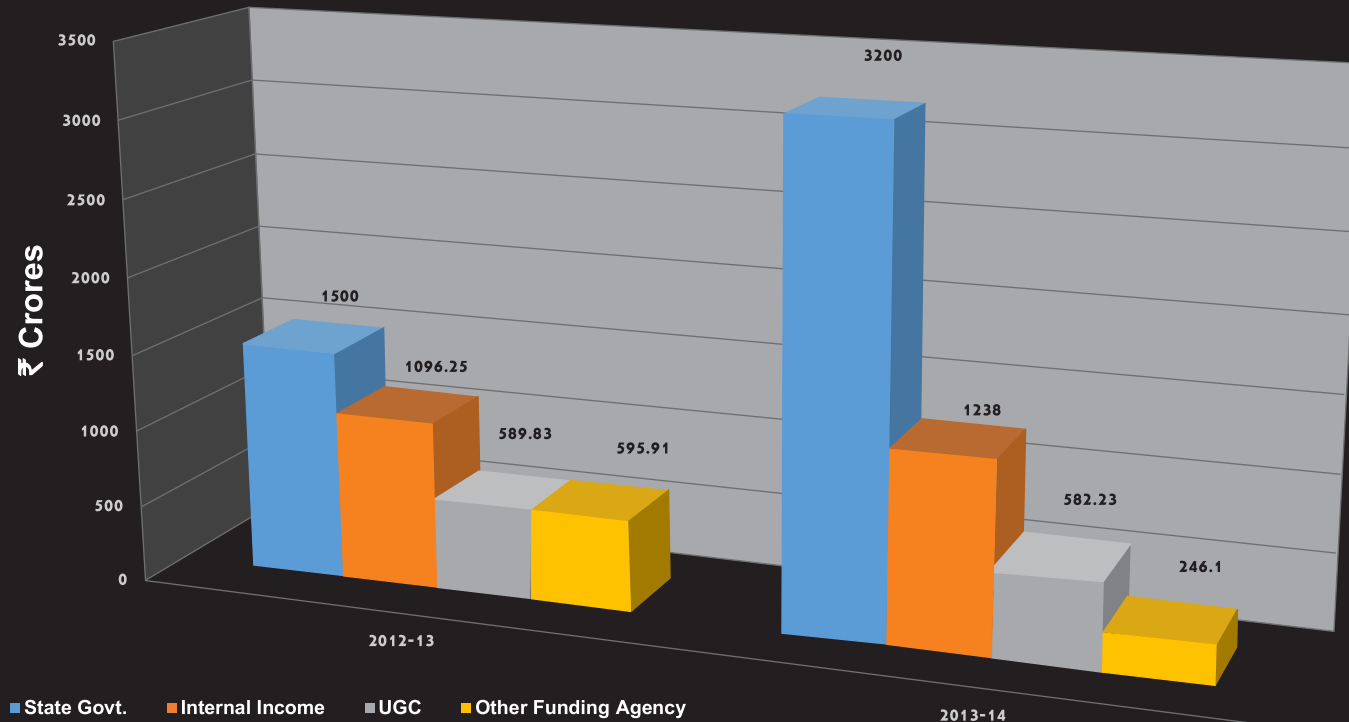
of Alumni Association Directory during alumni meet organized by Department of Food Technology on World Food Day, organization of National Pharmacy week and the like.

In the year 2008-09, the university received support from the Board of Research and Nuclear Sciences, Department of Atomic Energy, GOI, to establish the Radio Ecology Centre in the university in collaboration with BARC and NPCIL. By this time, the number of regular technical and

Our Funding Agencies



SOURCES OF UNIVERSITY FUNDING



professional courses reached 33 and through distance mode 17, while intensified research leading to PhD degree continued at the same pace. To impart orientation and refresher course facility to the university and college teachers, a full-fledged ASC was setup in this session with UGC sponsorship. Though department level efforts for students' placement were made right since the inception of the university a separate cell called Training and Placement Cell was also established in this session.

The University got re-accreditation at 'Grade 'A' with CGPA 3.26 in October 2009. The visiting peer team of NAAC noted, "in keeping with the philosophy of Guru Jambheshwar in whose name the University has been created, a green and environment friendly campus has been developed". The peer team further observed that the University is characterized by continuous expansion of infrastructure and academic facilities, pre-ponderance of young faculty (average age 37 years) and NBA accreditation". National Board of Accreditation accredited five more programmes (B.Tech. in C.S.E.,



Cultural Programme during the NBA Visit

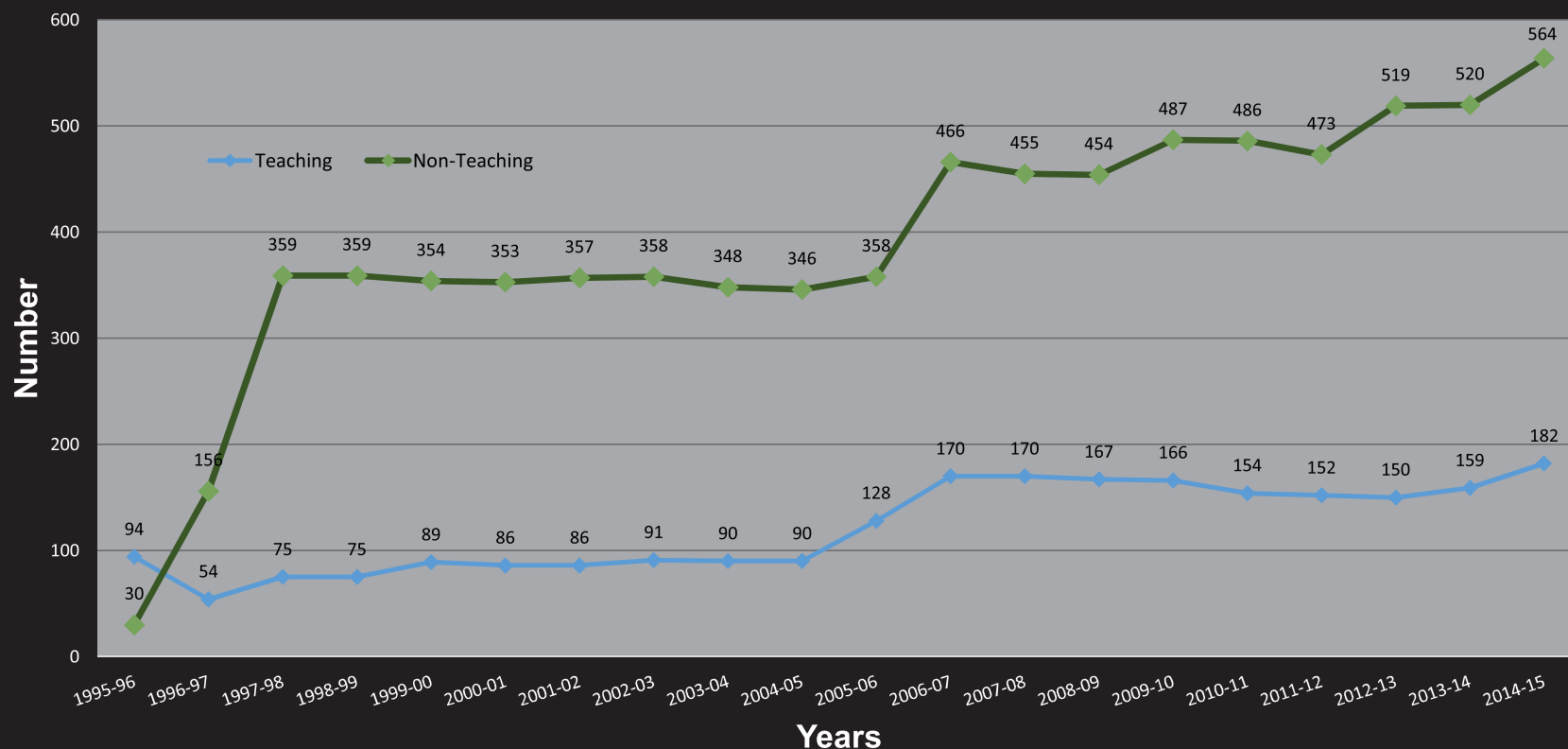


Hawan on Janmashtmi in Campus : An Annual Feature



New Year Celebration : An Annual Feature

STAFF POSITION- TEACHING/NON-TEACHING IN UNIVERSITY



I.T., Printing Technology and M.Tech in Environmental Science & Engineering and M.C.A.) for a period of three years commencing February, 2009. On the recommendation of Joint Committee of UGC-AICTE-DEC the distance learning programmes got approval from Distance Education Council w.e.f. 2009-10. In view of the strengths and vigour of the academic and research culture built over the years since its inception, the University received research funding to the tune of Rs.8 crores from different funding agencies in 2009-10. The Department of Food Technology filed two patents through the

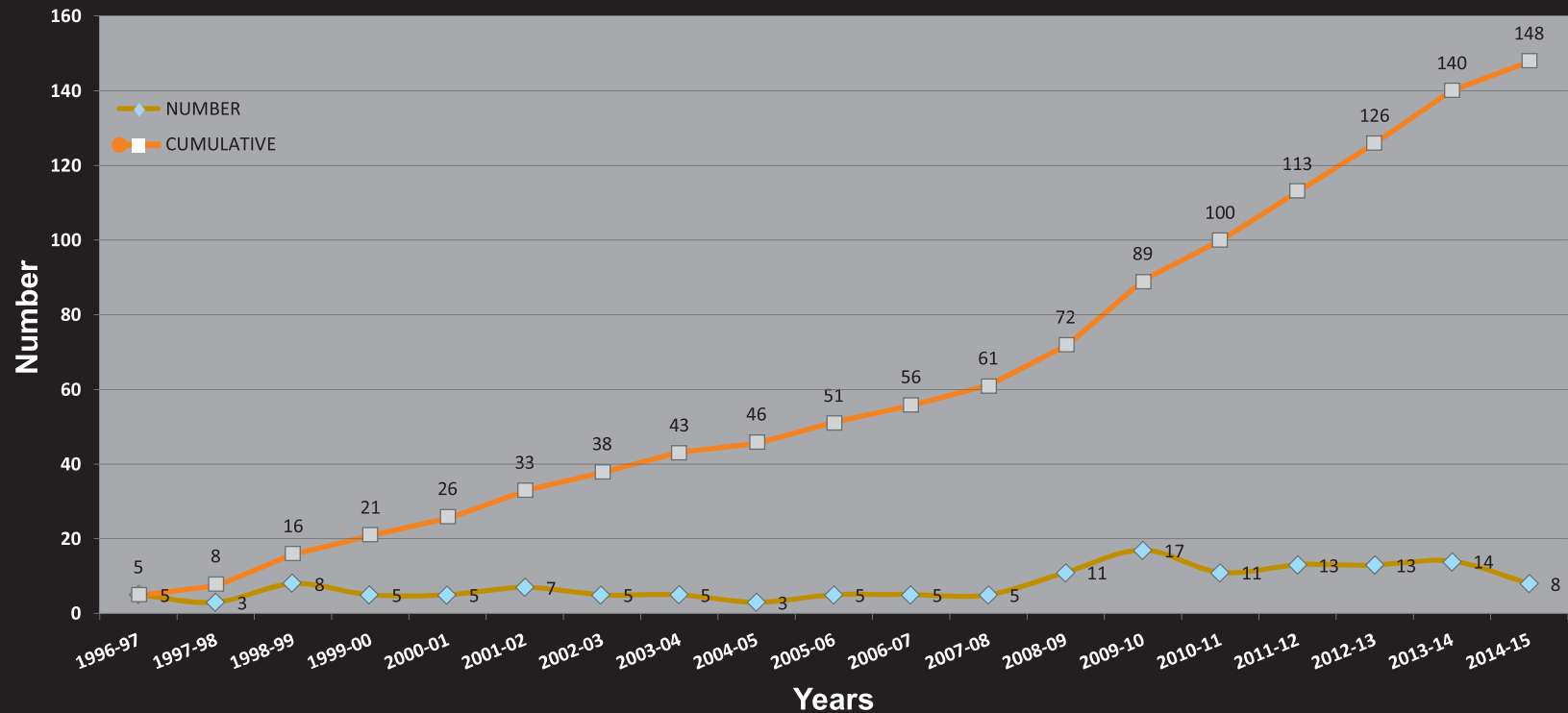
IPR & TC Cell of the University. In sports side, the University hosted All India Zonal Inter University Tennis Championship at the campus during January, 2010.

The University Library got further enrichment in 2010-11 by establishing internet lab for SC/ST students and extending access of library catalogue to desktops of teachers through campus wide networking. It is not only research and academics which comprise the hallmark of its achievements;



Our NSS Volunteers Creating Awareness against AIDS

SEMINARS/WORKSHOPS/CONFERENCES ORGANIZED



the social aspect of the University is equally strong. The Centre for Behavioral Research and Intervention of the University developed a first of its kind Psychological Test on HIV risk perception which was released on 20 August 2010. NSS, the social arm of the University, created a record of collecting more than one thousand units of blood in one day state level blood donation camp held on 28 Sept., 2010. As a part of its green campus development policy, the university started converting its unused land into lawns. Once of such efforts was the completion of fragrance garden

adjacent to University Health Center in April 2011. In the following year, 2011-12, the university hosted Haryana State Inter-Technical University Basketball Championship for Boys & Girls in 2011. In the same session, NAAC placed ASC of this University in 'performers' category by awarding 71 out of 100 marks, which was the higher among all ASCs' of the country in 2012. Followed by a flurry of on campus construction activities, several construction projects were completed given finishing touch up to 2014. Having added 16 numbers of married teachers flat in December 2010-11, the



All India Inter University Football Championship Hosted in 2014

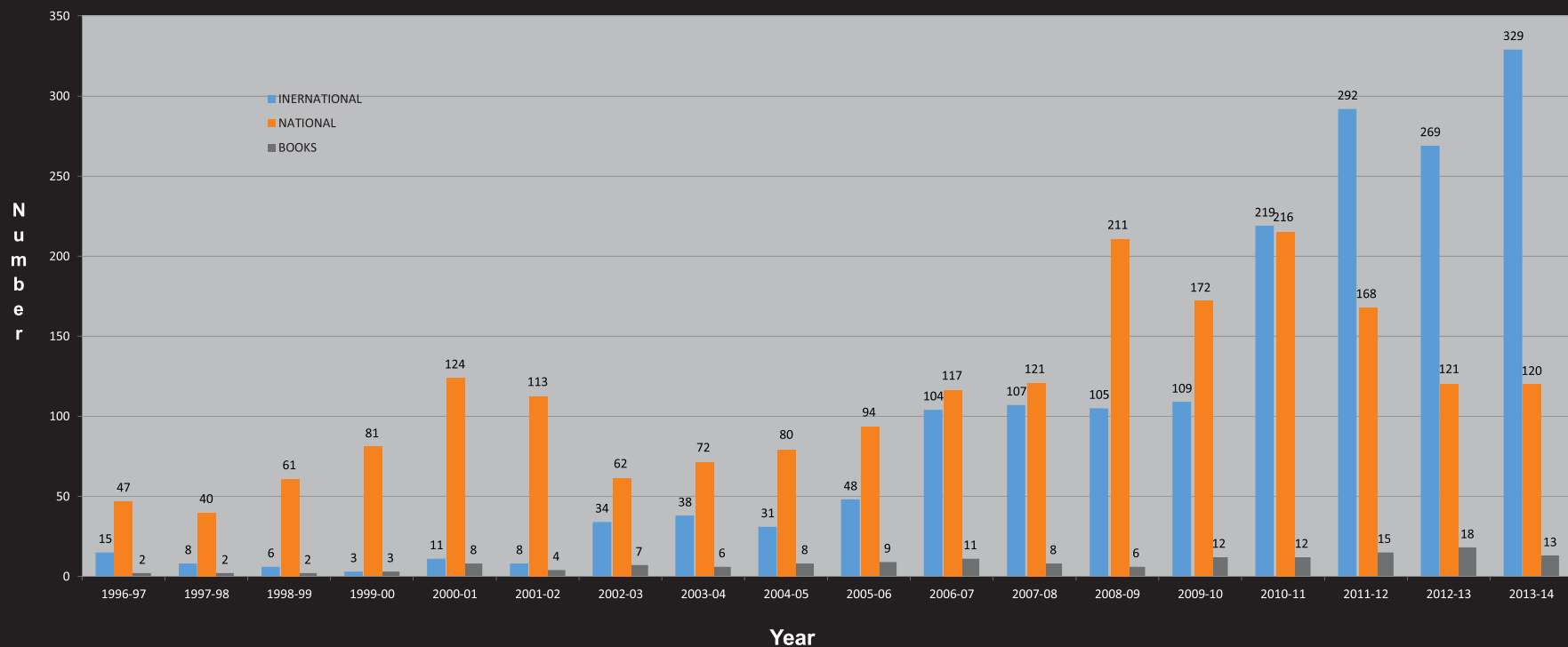


University Information and Reception Centre



Inside View of University Library

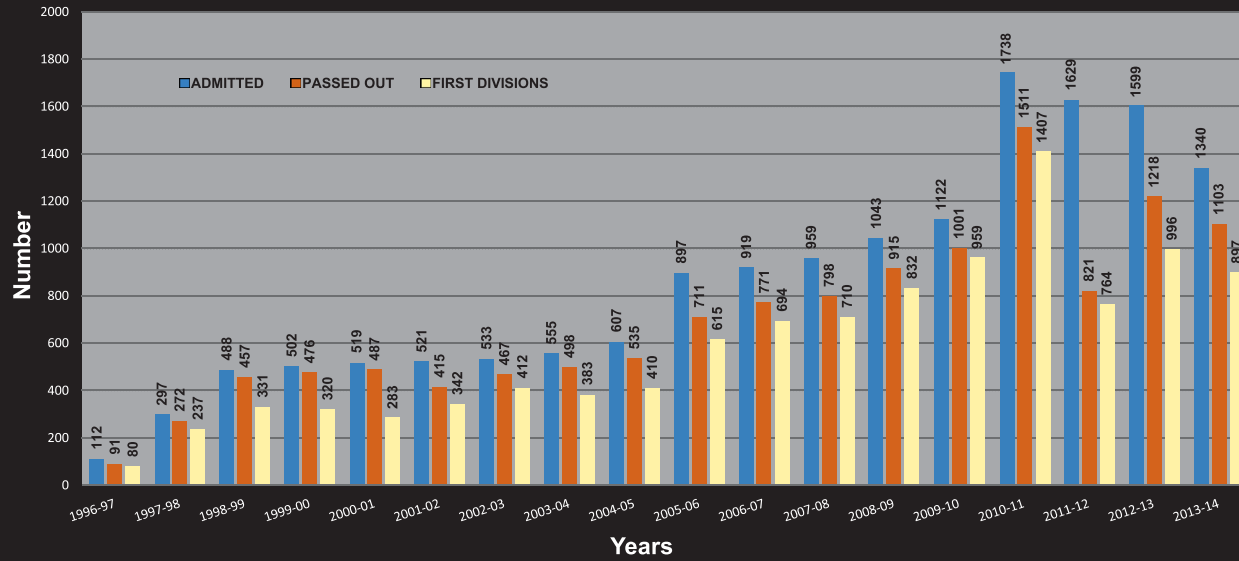
RESEARCH PUBLICATIONS OF FACULTY



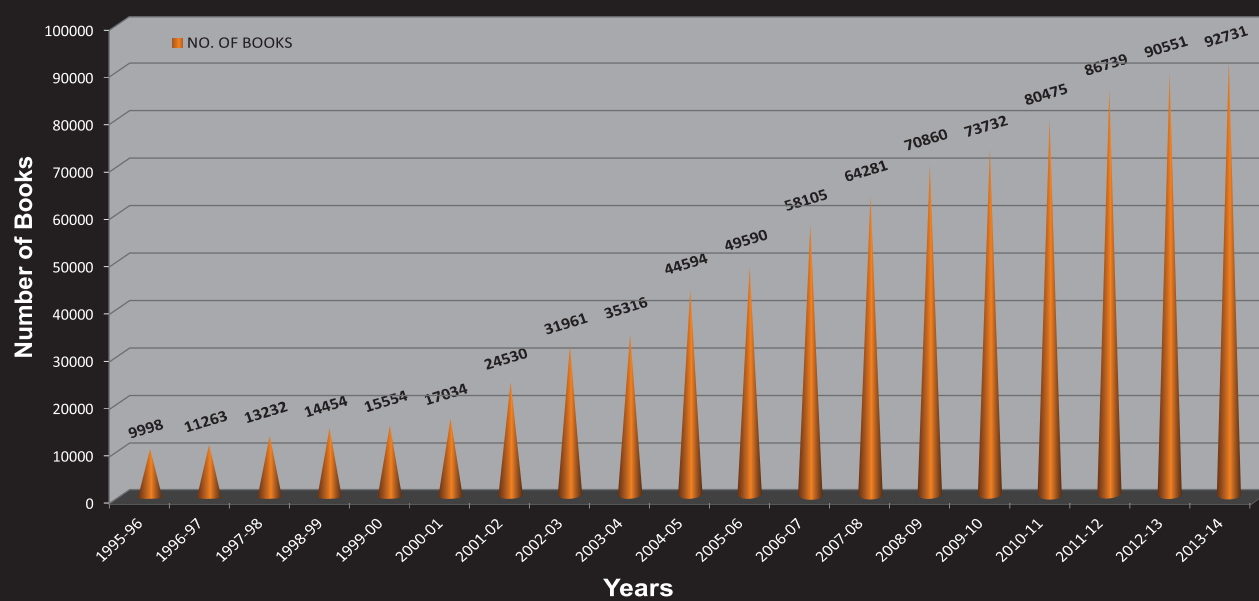
following session (2011-12) saw the completion of four construction projects including extension of Boys Hostels, 48 houses (A & C type houses), and prestigious auditorium with adjacent three seminar halls and cafeteria. In 2012-13 the university completed six construction projects including Nano Science Research & Technology Centre, HSB building 12 B-type houses, reception cum information centre, cyber café, and extension of multipurpose hall. In the session 2013-14, a finishing touch was given to another three projects including phase-1 of Girls hostel number 4, a small

canteen cum Kiosk and extension of dining hall in Boys hostel number 2. As before, in this session too, the university remained abuzz with activities like organisation of All India Inter-University Women Football Championship, Science Conclave on the theme "Challenges in Science: Inspiring Youth", First Flower Show, and celebration of International Women's Day. In recognition of the aura and greenery at the campus, the CMAI, Delhi bestowed 'Best Infrastructure and Green Campus University' award in February 2014.

STUDENTS ADMITTED AND PASSED OUT



BOOKS IN UNIVERSITY LIBRARY



OUR VICE-CHANCELLORS DURING THIS JOURNEY...



Dr. K. L. Johar



Sh. Dharam Vir



Dr. K. C. Bangar



Sh. Bhagwati Parshad



Dr. R. K. Chauhan



Sh. A. N. Mathur



Sh. Vishnu Bhagwan



Sh. R. R. Fulia



Dr. R. P. Bajpai



Dr. DDS Sandhu



Dr. M. L. Ranga



Dr. R. S. Sharma

EPILOGUE

Going along its wealthy reminiscences, the University has always been making strides in the areas of academics, research, sports, cultural activities, students' services, out reach and consultancy, religion and environment, infrastructure development and the like. The university has the honor of having well qualified faculty of whom 72 percent hold Ph.D. degrees, good representation of teachers on Editorial Advisory Boards of Research Journals of International and national repute, high demand ratio of

its academic programmes (PG: 6:1 to 8:1 & UG: 8:1 to 14:1), well stocked library (books to student ratio: 12:1), good number of faculty publications (avg. 11.65 papers per teacher), organized seminars/conferences/workshops (avg. 7 per year since inception) and several state-of-art teaching-learning aids. This script provides only a few narratives and visual glimpses of the rich academic legacy of this University. In this context, only "seeing is believing", may not be construed as an over-statement.

ALUMNI CORNER...



Dr. K. K. Khandelwal, IAS
Principal Secretary to Chief Minister
Govt. of Haryana, Chandigarh



Ms. Sangeeta Tanwar
Head, Content & Communication
Reliance Broadcast Network Ltd., Mumbai



Dr S.D. Attri
Director
India Meteorological Department
Government of India, New Delhi



Wg. Com. Surender Singh
Joint Director
Air Force Head Quarter, New Delhi



Mr. Sanjeev Chauhan
Director, Enterprise Architect
Oracle India Private Ltd., Gurgaon



Mr. Sushant Condil
Manager, Product Supply
Procter & Gamble, Bhopal



Dr Sudhir Dahiya
Sr. Manager (EMG)
Super Thermal Power Project, NTPC Ltd.
Sipat, Bilaspur, Chhattisgarh



Mr. Sourabh
Manager, Printing
The Hindu, Noida



Mr. Perjesh Mohan
Sr. Research Scientist
Ranbaxy Laboratories Ltd., Kolkata



Ms. Shalini Dua
Project Manager, IBM
Bangaluru



Dr. Pardeep Kumar Bhardwaj
Scientist, Plant Molecular Biology,
Institute of Bioresources and Sustainable
Development, Gangtok, Sikkim



Mr. Vinay Bishnoi
Sr. Manager Food Safety & Quality
Bharti Retail Pvt. Ltd., Mumbai

THIS IS SYMBOLIC – THE SACRED PREMISE, LIKE AN EMBLEM OF THE UNIVERSITY – THE INSPIRATION OF A GREAT SOUL – WHICH SENT VIBRATIONS ACROSS TIME TO MOVE THE PRESENT GENERATION TO DRAW INSPIRATION AND TO ESTABLISH THIS VISHVAVIDYALAYA.



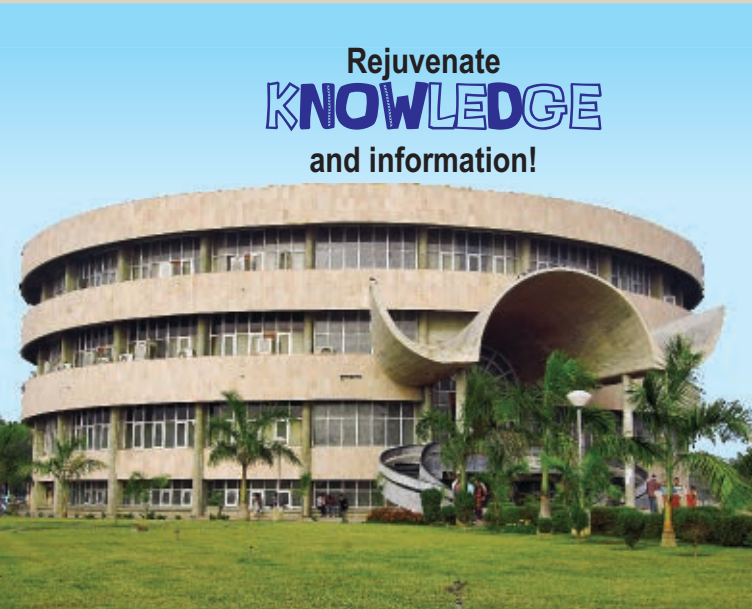
Discover
iNNOVATIVE
seating solutions !



Enabling
**NANO
DEVICE**
fabrication!



Rejuvenate
KNOWLEDGE
and information!



Discover the
**NEW
HORIZON**
in Business !