

# *Annual Quality Assurance Report*

*(A.Q.A.R)*

**Internal Quality Assurance Cell (IQAC)**

**2009-2010**



**Guru Nanak Dev University**

**Amritsar**

## FOREWORD

The Act of Guru Nanak Dev University, established in 1969, laid major emphasis on teaching and research in humanities, learned professions, sciences, especially of applied nature and technology and to provide service to mankind. The other commitments include research on life and teachings of Guru Nanak and promotion of research in Punjabi language and literature. In pursuance of achieving these targets, university, since its inception, has offered platform for professional growth of its students, by undertaking teaching and providing research facilities in almost all disciplines - Agriculture and Forestry, Arts and Social Sciences, Applied Sciences, Economics and Business, Education, Engineering & Technology, Humanities and Religious Studies, Languages, Laws, Life Sciences, Physical education, Physical Planning and Architecture, Sciences, Sports Medicine & Physiotherapy and Visual & Performing Arts. The university is equipped with state-of-the-art infrastructure and laboratory facilities to promote research and teaching in all Departments.

The university has played pivotal role in promoting education and the upliftment of underprivileged classes in the border belt adjoining Pakistan as well as rural areas within its jurisdiction.

At the instance of National Assessment and Accreditation Council (NAAC), GNDU established an Internal Quality Assurance Centre (IQAC), which started functioning w.e.f November 2009. The first Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters defined under IQAC has been compiled. I am happy to note that the Departments, Centres, Administration are actively engaged in various activities related to their disciplines and hope that more and more efforts would be made to further improve the functioning of the university and to achieve academic excellence for which the university has already been short-listed as “University with potential for excellence”.

(Ajaib Singh Brar)

Vice-Chancellor

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## PREFACE

The need to assure quality and minimum acceptable standards in higher education to various stake holders, has necessitated formulating, adopting and monitoring quality assurance parameters, relevant to higher education and research. The design of a common platform to undertake such an exercise is a complex regimen since it involves integration of not only the current educational needs of the society but also anticipated needs arising out of the fast changing national and international education scenario.

To monitor the standards of the Higher Education Institutions (HEIs), University Grants Commission (UGC) had established The National Assessment and Accreditation Council (NAAC) as an autonomous body under section 12(ccc) of its Act in September 1994. NAAC is entrusted with the task of performance evaluation, assessment and accreditation of universities and colleges in the country. In year 2000, NAAC accredited Guru Nanak Dev University (GNDU) at the “Five Star” level, and later in 2007, university was rated at highest “A” grade with Cumulative Grade Point Average (CGPA) 3.5 on a four point scale on the basis of track record of the university in teaching, research and other related activities. It has also been shortlisted among other universities as “University with potential for excellence”.

At the instance of NAAC, GNDU has established the Internal Quality assurance Cell (IQAC) as a post accreditation quality sustenance activity.

I am glad to inform that IQAC has started its functioning and the first report on the activities of GNDU for the session 2009-10 is being presented. I take this opportunity to express my deep gratitude to worthy Vice-Chancellor, Professor Dr. Ajaib Singh Brar, Chairman, IQAC and other members for providing direction for formulating Quality objectives of GNDU as well as other feed-back forms. I am also thankful to colleagues from GNDU and associated campuses for their cooperation.

Date: December 2010  
Amritsar

(Professor Kamaljit Singh)  
Director, IQAC

## **Guru Nanak Dev University**

The Guru Nanak Dev University, Amritsar was established on November 24, 1969 to mark the 500<sup>th</sup> birth anniversary of Sri Guru Nanak Dev Ji. In a short duration of its existence, the university has carved out a niche for itself in the academic world by way of promoting education in diverse fields and spreading the ideals of the great Gurus.

In line with the provisions of the university act that University would make provision for imparting education and promoting research in the humanities, learned professions, sciences, especially of applied nature and technology, the University offers a variety of courses in these disciplines with syllabi of international standards. It has emerged as one of the prominent centres for basic, professional and technical programmes in teaching and research. Admission to courses at all levels is made strictly on the basis of merit in entrance/qualifying examinations, without any regional, religious or any other bias. The University has contributed creditably in providing higher education to women in otherwise educationally backward areas.

Spread over a stretch of 500 acres towards the west of the City, Guru Nanak Dev University has a picturesque green campus with 37 full-fledged teaching Departments at Amritsar, two Regional Centres (at Jalandhar and Gurdaspur), constituent colleges and a score of support services departments. The University also performs the parenting role for over 140 affiliated colleges, some of which have a long and creditable history of imparting higher education since the late nineteenth century.

Besides teaching Departments, the University maintains well stocked computerised library, state-of-the-art laboratories, Academic Staff College, All India Services Training Centre, University Scientific Instrumentation Centre, Physiotherapy Centre, Centre with Potential for Excellence in Sports Sciences, Heritage Centre, Botanical Garden, Language lab, Multimedia Centre, Green House, Internet connectivity, NSS, Adult and Distance Education, Youth Welfare Department, Placement Cell, Faculty Sports club, Gyms, Swimming pool, Velodrome, shooting range, health centre, day care centre, holiday homes in Dalhousie, both for students and faculty, high tech sports facilities, Guest houses, working women hostel, Administrative block, Central library, Residential houses both for faculty as well as non-teaching staff, faculty house etc. To initiate research in the University, the young teachers are offered optimal research grants and Sophisticated Advanced Centre of Research equipments is shortly coming up.

The Campus with its lush green environment, swaying fields, blossom-laden lanes provides a highly conducive environment for academics. The University takes pride in the fact that its community over the years has developed the spirit of participative work culture.

The university is first in this region to implement Credit Based Evaluation System and reformed its examination system to bring in transparency in both evaluation as well as conduct of examinations. The university has also excelled in the field of Sports as it bagged the prestigious Maulana Abul Kalam Azad (MAKA) trophy for record 21 times since its inception. In the field of cultural activities, the university got overall second position this year.

## **Internal Quality Assurance Cell (IQAC)**

### **Creation of IQAC in GNDU**

IQAC was established in GNDU on 17.9.2009 and notified vide endst no. 25548-647 dated 13.11.09.

### **Objectives of IQAC**

1. To develop a system for conscious, consistent and catalytic programmed action to improve the academic and administrative performance of the University.
2. To promote measures for the functioning of the University towards quality enhancement through initialization of quality culture and institutionalization of best practices.

### **Functions of IQAC**

1. Development and application of quality benchmarks/ parameters for the various academic and administrative activities of the University.
2. Arrangement for feedback responses from students, parents and other stakeholders on quality-related processes of the university.
3. Dissemination of information on the various quality parameters of higher education.
4. Documentation of the various programmes/activities leading to quality improvement.
5. Organisation of workshops, seminars on quality related themes and promotion of quality circles.
6. Preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters.

### Composition of IQAC of GNDU

<b>1.</b>	<b>Chairperson</b>	Prof. Dr. A. S. Brar, Vice-Chancellor
<b>2.</b>	<b>Members (eight):</b>	Prof. Raghbir Singh, Business & Comm.  Prof. T. S. Lobana, Chemistry  Prof. Surinder Singh, Physics  Prof. R. K. Bedi, Physics  Prof. A. K. Thukral, Botanical Sciences  Prof. Paramjit Singh, Sociology  Prof. Paramjit Kaur, Economics  Prof. N. S. Tung, Psychology
<b>3.</b>	<b>Members from the local Society (3):</b>	Prof. H. M. Chawla, IIT Delhi  Dr. Hardas Singh, Amritsar  S. Gunbir Singh, CII, Amritsar
<b>4.</b>	<b>Director of IQAC:</b>	Prof. Kamaljit Singh, Applied Chem. Sci. & Tech.

### Composition of Annual Internal Quality Audit committee

Sr. no.	Name	Department	Additional Assignment
1.	Prof. Surinder Singh	Physics	Dean Academic Affairs
2.	Prof. Gurupdes Singh	English	Director, Centre for Distance Education
3.	Prof. Maninder Singh Hundal	Chemistry	Dean, College Development Council
4.	Prof. Vikram Chadha	Punjab School of Economics	Head of the Department
5.	Prof. (Mrs.) Suninder Tung	Psychology	--
6.	Prof. (Mrs.) Rajinder Pawar	Laws	Director, Adult Education
7.	Prof. Paramjit Singh Sidhu	School of Punjabi Studies	--

## Section A

### **Plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement.**

In its first meeting, held on November 9<sup>th</sup> 2009, the IQAC approved a set of quality objectives for Guru Nanak Dev University. Subsequent meetings held on July 9<sup>th</sup> 2010, and August 6<sup>th</sup> 2010 saw compilation and discussion on feed back forms for gathering information from different stake holders including Alumni, parents, retired teachers, supporting staff in addition to formats for Department academic performance index, mid semester feedback from students and report on faculty performance, the latter two formats were approved by the Syndicate and adopted w.e.f the current semester (2010). The other feed-back forms shall be circulated to various stakeholders in the next semester, after due approval from The Syndicate. While the quality objectives of GNDU are presented (Table 1), the feedback forms of other stake holders are available with Director, IQAC

**Quality Objectives of Guru Nanak Dev University (Table 1)**

Sr. no.	Quality objectives	Achievement parameters/ indicators	Person responsible/ assessor	Unit measurement	
				Present	Target
1.	(i) To impart education as defined in university act <i>“to make provision for imparting education and for promoting research in learned professions, sciences, especially of applied nature, technology and such other branches of learning and courses of study as it may think fit.”</i> and to  (ii) To produce world class competent professionals	Design of new curriculum based on the needs of industry and society	Board of control/ Board of studies		
		Frequent revision of course curriculum and syllabus	Faculty of a Department		
		Invitation to experts to departments for interaction with students/faculty	Head of the department/ Principals of colleges		
		Industrial visits (where needed)	Head of the Department/Principals of colleges		
		Visit of industries for placements	Director, Placements		
		Number of student seminars conducted in a semester	Faculty members in association with HOD/Principals of colleges		
		Number of student events conducted in a year	Dean student welfare and Director, Youth welfare		
2.	To promote research	Number of projects obtained from funding agencies	Faculty members/Director research		
		Number of research papers/reviews published in high impact SCI journals	Faculty members		
		Number of conferences/symposia workshops attended/conducted and papers presented	Faculty members		
		Number of patents filed/obtained	Faculty members		
		Number of book chapters/books published	Faculty members		
		Number of students got research degrees	Faculty members		
3.	To promote consultancy	No. of consultancy projects accomplished	Faculty member/coordinator UILP/consultancy		
		Amount of funds generated	-do-		
		Type of facility created/objective achieved	-do-		

4.	To promote synergistic relationship with industry and society	No. of university-industry interaction programmes conducted	Director UILP		
		Number of joint ventures achieved/MoUs signed	Director UILP		
		Other achievements related to society	Director UILP		
5.	To appoint well endowed faculty and to upgrade their acumen	Achievements of the faculty/contribution in education/research	Vice-Chancellor/DAA/Principals in case of colleges/DCDC		
		Number of faculty members sponsored for conferences/workshops etc.	Vice-Chancellor/DAA/Registrar/FDO DCDC/Principals in case of colleges		
		Amount of money spent towards developmental activities	Vice-Chancellor/DAA/Principals in case of colleges		
6.	To develop <i>state-of-the-art</i> infrastructure	New equipment/sophisticated instruments etc. installed	Vice-Chancellor/DAA/Principals in case of colleges		
		Internet/video conferencing facility	Vice-Chancellor/DAA/Principals in case of colleges		
		Amenities for faculty and students	Vice-Chancellor/DAA/Principals in case of colleges		
7.	To impart knowledge through team work and relentless efforts	Number of internal audits conducted in each department	Dean faculty, HOD through a constituted team		
8.	To improve administrative skills of supporting staff/officers of the university etc.	Attendance of laboratory and supporting staff, employees in their respective work places	HODs in case of departments/Principal in case of colleges/Registrar/AR/DR in case of branches in administration		
		Efficiency monitoring	Registrar/AR/DR in case of branches in administration/HOD in case of departments		

### Section B

The details of various activities undertaken by various departments/establishments of the university under Sr. no. 1-23, in accordance with the format for annual report of IQAC are presented below. Sr. no. 23 onwards has been collectively answered under the information provided in relevant Departments/Centres etc.

## Department of Applied Chemical Sciences and Technology

1. New academic programmes initiated (UG & PG) in the Department  
M. Tech. (Textile Chemistry)
2. Innovations in curricular design and transaction.  
Courses are designed and modified, periodically according to the needs of the relevant industries as the courses are industry oriented. Thus opinion of industrial personnel as well as academicians is included.
3. Inter-disciplinary programmes started  
Research in Material Science involving chemistry and physics.  
B.Tech. Sugar & Alcohol Technology course is an interdisciplinary course as the students are taught courses on Chemical Engineering, Confectionary, Microbiology, Fermentation and Biochemistry. The passed outs are eligible in an industry as a chemical engineer and in distillery/brewery/winery industry and of course in sugar industry and confectionery industry.
4. Candidates qualified: NET/SLET/GATE etc.  
UGC-2, CSIR-1, UGC (LS)-1
5. Total number of seminars/workshops conducted: One
6. Research projects: (a) Newly Implemented:
  - Dr. Kamaljit Singh : DST -01, CSIR- 02, UGC – 01 and MOEF – 01
  - Dr. Satindar Kaur: UGC -01Completed: Dr. Kamaljit Singh: 10; Dr. Satindar Kaur: 02
7. Patents generated, if any: Nil
8. New collaborative research programmes:  
(A) International
  - Collaboration with Chinese Academy of Sciences, China has been initiated this year for the characterization of electronic properties of newly synthesized materials.

- Collaboration with University of Cape Town, South Africa on the testing of biological properties of small molecule based drug targets.

(B) National

- Collaboration with Simbholi Sugar Mills, Simbholi for the project related to the hydrolysis of bagasse for the production of alcohol by sucrose fermentation.

9. Research grants received from various agencies.

DST - Rs.27,85,000/-, UGC 19,06,600/-, CSIR 6,09,333/-, UGC 10.61 lac

10. Details of research scholars: Seven

11. Citation index of faculty members and impact factor:

Some of the high impact journals in which faculty has published papers during 2009-2010 are:

Name of the Journal	Impact factor
Critical Rev. Environ. Sci. & Tech.	7.09
Chem. Commun.	5.59
Tetrahedron	3.219
Talanta	3.29
Eur. J. Org. Chem.	3.096
Eur. J. Med. Chem.	3.269
Min. Rev. Med. Chem	2.971
Inorg. Chem. Commun.	2.029
Water Sci. & Tech..	1.094
Syn. Commun.	0.961

12. Honours/Awards to the faculty:

Dr. Kamaljit Singh was awarded Bronze medal by Chemical Research Society of India (CRSI), Bangalore in recognition of his contributions in Research in Chemical Sciences. He has also been appointed member of Editorial Board ARKAT-2010 and reviews papers for a number of international journals.

13. Internal resources generated:  
The Department provides testing services to textile industry through its Textile Industrial Service Centre (TISC). During 2009-2010 a sum of Rs. 76,000/- has been generated through testing. Otherwise, faculty of the Department provides consultancy services to the industry.
14. Details of funding activities from the departments getting SAP, COSIST (ASSIST) DST, FIST etc.:  
A project has been submitted for SAP (UGC), however, owing to less number of faculty members, Department is not eligible for DST FIST programme. A project has also been submitted to AICTE under its MODROB scheme.
15. Teachers officers newly recruited  
On Regular basis: 1 lecturer  
On Contractual basis: 2 lecturers
16. Teaching-Non-teaching staff ratio in the department: 9:12
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback:  
B. Tech. (Textile Chemistry) and B. Tech. (Sugar & Alcohol Technology)
18. Unit cost of education for each course in the department:  
Textile Chemistry - Rs.71,000/-; Sugar & Alcohol Technology - Rs. 56,000/-
19. Increase in the infrastructural facilities in the department:  
Sophisticated instruments like Cyclic Voltammeter, UV-Visible Spectrophotometer, GLC HPLC and Carl Fisher Titrator, have been purchased.
20. Technology upgradation:  
Latest softwares are used for teaching. Frequent use of LCD/Overhead projectors is ensured.
21. Activities and support from the Parent-Teacher Association:  
Parents are updated with the performance of their wards.

22. Activities of the Guidance and Counselling unit

Class representatives, department representative and students meet regularly with the teachers deputed with the job of their placement/training.

23. Any other relevant information the institution wishes to add:

- The Department entered into moU with DyStar and its associated Advanced Academy for the development of Textile Technologists (AADTT).
- It is proposed to start 5-year integrated course in M.Tech. (Sugar & Alcohol Technology)

## Department of Architecture

1. New academic programmes initiated:  
The department is all set to initiate two PG courses in the department w.e.f. the academic session 2011-2012, namely. M. Arch. (Urban Design) and M.Tech (Construction Management)
2. Innovations in curricular design and transaction:
  - The Faculty regularly takes up the critical appraisal of the existing curriculum, keeps improving and upgrading it as per the current needs of the profession. New subjects are added and the obsolete ones deleted so as to be in tune with times. The department encourages and facilitates the active interaction of the students and faculty with professionals who have vast & varied experience in the relevant discipline.
  - Latest technological innovations are put into use in imparting knowledge to the students. Multimedia presentations have become a regular feature. Such visual aids enable better absorption of information by the students.
3. Interdisciplinary programmes started: Nil
4. Candidates qualified: NET/SLET/GATE etc. : Nil
5. Total number of seminars/ workshops conducted:
  - Coordinated a zonal event for NATIONAL; AWARDS IN ARCHITECTURAL THESIS 2009 promoted by COA-NIASA held at Department of Architecture, Guru Nanak Dev University, Amritsar for conducting Zonal juries zone-1 from September 3-5,2009.
  - Ar. Karamjit Singh Chahal and Dr. Sandeep Dua acted as resource persons twice for two MASON TRAINING PROGRAMS each of 4-day duration on Multi-Hazard Resistance Construction Technologies organized by Amritsar District Administration during 01/12/2009 -04/12/2009 and 24/02/2010-27/02/2010 under Urban Earthquake Vulnerability Reduction Project sponsored by Government of India, U.N.D.P and Punjab Government.
6. Research Projects:
  - i. Sikh Architecture” The Perception of Space in Architecture and Philosophy  
(Rs. 3,66,150/-)

- ii. An Analytical Approach Towards Integrating Urban Form and Architecture Through Proportional Harmonies (Rs. 3.5 Lac)
7. Patents generated, if any: Nil
  8. New collaborative research programmes:  
Conducting International Architectural Design Competition for “Design of Golden Temple Entrance Plaza” in collaboration with Punjab Heritage & Tourism Promotion Board.
  9. Research grants received from various agencies: U.G.C.: Rs. 3.66 lac and AICTE: 3.5 lac
  10. Details of research scholars: 1
  11. Citation index of faculty members and impact factor: Nil
  12. Honors/Awards to faculty:
    - Ar. Harvinder Kaur, Sr. Lecturer was conferred the “First Friday Form award for Creative Excellence” by contribution in the field of architecture (both professional practice and teaching).
    - Ar. Sarbjot Singh Behl, Professor was awarded fellowship of Indian Institute of Architects.
  13. Internal resources generated: Through consultancy projects to District Administration, Amritsar, Municipal Corporation Amritsar, Punjab Heritage and Tourism Development Board
  14. Details of funding /activities from the departments getting SAP, COSIST (ASSIST)/DST, FIST, etc.: DST (FIST): Nil
  15. Teachers/officers newly recruited: Nil
  16. Teaching-Non-teaching staff ratio in the department: Nil
  17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Nil
  18. Unit cost of education for each course in the Department: Not Applicable
  19. Increase in the infrastructural facilities in the Department: Nil
  20. Technology upgradation: Nil
  21. Activities and support from the Parent-Teacher Association: Nil

22. Activities of the Guidance and Counselling unit: Nil  
 23. Any other relevant information the institution wishes to add: Nil

### **Department of Botanical & Environmental Sciences**

1. New academic programmes initiated (UG and PG) in the department:  
 The UG Programme i.e. B.Sc. (H.S.) Botany has been started from the current session 2010-11. Pre-Ph.D Courses in Botany and Env. Sciences have also been started.
2. Innovations in curricular design and transaction  
 The syllabi of the M.Sc. (Hons.) Botany and Env. Sciences have been updated, keeping in view the syllabi of National level competitive examinations. Furthermore the syllabi have been substantiated with the computational techniques. New optional courses have been offered keeping in view the requirements of the students and each student will be required to opt for one or two inter-departmental courses across the University.
3. Inter-disciplinary programmes started  
 The department has offered a course on Research Methodology, Good Laboratory Practices and Disaster Management to the other departments. New programmes of research have been initiated in collaboration with the Department of Chemistry, Molecular Biology and Biochemistry, Zoology, Biotechnology and other departments.
4. Candidates qualified: NET/SLET/GATE/DST-INSPIRE etc - 20
5. Total number of seminars/workshops conducted

S No	Theme/Title of Workshop/Course	Sponsor/ Collaborator	Duration
1	2-day workshop cum training programme on Management of Municipal Solid & Plastic Waste	HRD Foundation	April 16-17, 2009
2	National seminar on Total Eclipse-2009	DST RVEPSP and Vigan Prasar, New Delhi	June 29- July 1, 2009
3	National seminar on "Environment and Sustainable Development	UGC	November 3-4, 2009
4	Jaswant Singh Rai Memorial Lecture	Charitable Trust	November 4, 2009
5	Sardar Bishan Singh Samundri Memorial Lecture	Sardar Jaswant Singh Rai Memorial Trust, Jalandhar	Nov 3, 2010

6	Green Revolution to Gene Revolution by Prof. Prem P. Johar, Science US Deptt . of Agriculture, USA	Society of Botanical and Environmental Sciences	
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6. Research projects a) Newly implemented and b) completed

Completed:

S. No.	Name/s of Investigator/s	Title of the Projects	Amount Sanctioned (Rs.)	Funding Agency	Duration
1.	Dr. Renu Bhardwaj	Brassinsteroids regulated antioxidative defence system in <i>B. juncea</i> under heavy metal stress.	9,08,000	UGC	2007-2010
2.	Prof. G. S. Virk Prof. Avinash Nagpal	<i>In vitro</i> production of <i>Phytophthora</i> resistant plants of <i>Citrus jambhiri</i> Lush. (Jatti Khatti) through induced mutagenesis.	13,00,000	CSIR	2007-2010
3.	Dr. Saroj Arora	Bioprospection of inhibitors of DNA topoisomerases from economically important medicinal plants.	8,12,600	UGC	2007-2010
4.	Dr. Adarsh Pal Vig Dr. Saroj Arora	Antimutagenic and anti-proliferative activity of glucosinolates from Indian Mustard and Broccoli.	8,22,600	UGC	2007-2010
5.	Dr. Palwinder Singh Dr. Satwinderjeet Kaur, Dr. Subodh Kumar	Synthesis of $\alpha$ , $\beta$ diartheterocycles with sterogenic centres: Search for phospholipase-A2 and COX-2 inhibitors	7,76,600	UGC	2007-2010
6.	Dr. Palwinder Singh Dr. Satwinderjeet Kaur, Dr. Subodh Kumar	Synthesis of multi drug resistance modulators.	20,26,000	DST	2007-2010
7.	Er. M.S. Bhatti	Heavy Metal Removal using Electrocaugulation/ Electroflocculation	1,00,000	UGC	2008-2010

Ongoing Research Projects

S.No.	Name/s of the Investigator/s	Title of the Project	Amount Sanctioned (Rs.)	Funding Agency	Duration
1.	Dr. Renu Bhardwaj Dr. P.K. Pati	Insight into BRs-regulated defense system of <i>Raphanus sativus</i> under heavy metals stress using biochemical and	30,00,000	DST	2008-2011

		molecular approaches.			
2.	Dr. Renu Bhardwaj Dr. Subodh Kumar	Studies on expression of brassinosteroids under heavy metals stress in <i>Brassica juncea</i> during development.	49,50,000	DBT	2008-2011
3.	Dr. P.K.Pati Dr. Renu Bhardwaj	Molecular and Biochemical approaches to study brassinosteroids mediated response in rice.	11,94,000	UGC	2008-2011
4.	Dr. Geetika Dr. Renu Bhardwaj	Brassinosteroids mediated biochemical and molecular responses in <i>Brassica juncea</i> .	10,50,000	UGC	2008-2011
5.	Prof. Avinash Nagpal Dr. Jatinder Kaur	Assessment of genotoxicity and responses of antioxidative enzymes to heavy metal contaminated agricultural soils in <i>Allium cepa</i> .	10,76,800/-	UGC	2009-2012
6.	Prof. A.K.Thukral	Phytoremediation of Chromium (VI) using reducing agents and metal chelators with <i>Hordeum vulgare</i> L	8,05,800/-	UGC	2009-2012
7.	Dr. Satwinderjeet Kaur	Study of Antioxidant and genoprotective potential of phytochemicals from some important medicinal plants.	11,54,300/-	UGC	2009-2012
8.	Dr. Saroj ARora and Dr. A.P. Vig	Evaluation of Glucosinolates from Broccoli as apoptosis-promoting and cyclooxygenase-2 (COX-2) inhibitory agents	15,00,000	CSIR	2009-2012
9.	Prof. A.K.Thukral and Prof. Renu Bhardwaj	Chalate-mediate heavy metal uptake and antioxidative defence system of <i>Brassica juncea</i>	3,00,000	GNDU	2009-2012

7. Patents generated, if any Nil

8. New collaborative research programmes

International

S. No.	Institute
1	University of Illinois, Chicago, USA
2	University of Exeter, UK
3	Advanced Institute of Industrial Science and Technology, Japan
4	University of Perugia, Italy

5	CIRAD-Amis Montpellier, France
6	University of Turku, Finland
7	Vito Laboratory, Belgium
8	University of Wisconsin, Madison, WI, USA
9	University of Fiji, Fiji

National

1	Institute of Himalayan Bioresource Technology, Palampur
2	Indian Institute of Integrated Medicine, Jammu
3	Punjabi University, Patiala
4	Jammu University, Jammu

9. Research grants received from various agencies

Type Grant	Year	Amount (Rs. in lacs)
FIST Level 1 Repeat	2009	45.00
UGC-DRS-SAP Programme	2009	55.00

10. Details of Research Scholars

S. No.	Name of Research Scholar	Test Qualified	Date of Registration / Enrolment	Research Topics
1	Samson	-	Regd on 24-9-08	Ecology characterization in Harike wetland using Remote sensing data.
2	Tarunpreet Singh Thind	-	Regd on 4-12-08	Bio-prospection of inhibitors of DNA topoisomerases from plants of medicinal importance.
3	Geetanjani Rampa	-	Regd. on 4-12-08	Antimutagenic and antiproliferative activity of glucorinolates from Indian mustard and Broccoli.
4	Savita	GATE	Regd on 23-11-09	<i>In vitro</i> production of <i>Phytophthora</i> resistant plants of <i>Citrus jambhiri</i> through induced mutagenesis.
5	Ashok Kumar	NET	Regd. on 11-12-08	Systematics and exploration of grasses of Punjab
6	Sushant Sharma	-	Regd on 28-12-09	Investigations on the Fruits and Diasporas of Grasses of Punjab in relation to their Taxonomic and Biological significance
7	Indu Sharma	Himachal SLET	Regd on 23-11-09	Effect of Brassinosteroids on Antioxidant defense system of <i>Rephanus Sativus L.</i> under heavy metals stress employing Biochemical and molecular approaches

8	Mukesh Kanwar	-	Regd on 27-11-09	Expression of Brassinosteroids under Heavy Metals stress in <i>Brassica Juncea</i> L. during its growth
9	Rakesh Joshi	NET	Regd on 29-12-2009	Effects of Vermicompost on growth, yield and quality of some food crops
10	Madhu	Ph.D Eligibility test	Enrolled on 2-02-2010	Study and search for phytoconstituents with antioxidant/antigenotoxic potential from <i>Anthocephalus cadamba</i> (Roxb.) Miq.
11	Rajneet Kaur Soodan	Ph.D Eligibility test	Enrolled on 2-02-2010	Assessment of genotoxicity and responses of antioxidative enzymes to heavy metal contaminated agricultural soils in <i>Allium cepa</i> .
12	Manik Sharma	Ph.D Eligibility test	Enrolled on 2-02-2010	Phytoremediation of Chromium (VI) using reducing agents and metal chelators with <i>Hordeum vulgare</i> L.
13	Neha Sharma	Ph.D Eligibility test	Enrolled on 5-02-2010	Study of antioxidant and genoprotective potential of phytochemicals from some important medicinal plants
14	Ashun	GATE	Enrolled on 30-7-09	Evaluation of glucosinolates from Broccoli as apoptosis promoting & cyclooxygenase (Cox-2) inhibitory agents
15	Resham	Ph.D Eligibility test	Enrolled on 20-05-2010	To study the uptake of Cu, Cr and Ni and the antioxidant defence system of Indian mustard ( <i>Brassica juncea</i> L.)
16	Neha Handa	Ph.D Eligibility test	Joined on 5-04-2010	Studies on Isolation and Characterization of Brassinosteroids from <i>Brassica juncea</i>
17	Gurveen Kaur	-	Enrolled on 26-05-2010	<i>In silico</i> documentation of Trees and shrubs of Amritsar city.
18	Amandeep Kaur	GATE, NET	Joined on 12-07-2010	
19	Rashmi	NET	Enrolled on 14-07-2010	Production of virus free plants of <i>Chrysanthemums</i> using tissue culture techniques
20	Rakesh	Ph.D Eligibility test	Enrolled on 20-08-2010	
21	Sonia	Ph.D Eligibility test/GATE	Enrolled on 20-08-2010	Study the effects of nano Co (II,III) oxide and nano ZnO on growth and biochemical parameters of <i>Hordeum vulgare</i> L

11 Citation index of faculty members and impact factor: not mentioned

12 Honors/awards to the faculty

S. No.	Faculty/Student	Awards	Event	Year
1.	Dr. Jatinder Kaur	Young Scientist award with a gold medal	4-days International Conference on "Bio wealth Management for Sustainable Livelihood" Ranchi	Nov. 20-22, 2009.
2.	Prof. A.K. Thukral	Prof. P.N. Mehra Memorial Award for	Prof. P.N. Mehra Memorial Trust, Chandigarh	2010

		Botany and Env. Sci.		
3.	Prof. G.S. Virk	do	Prof. P.N. Mehra Memorial Trust, Chandigarh	2010

13. Internal resources generated - Nil

14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST)/DST FIST etc.

Type Grant	Year	Amount (Rs. In Lacs)
FIST Level 1 Repeat	2009	45.00
DRS-SAP Programme	2009	55.00

15. Teachers/officers newly recruited - nil

16. Teaching –Non teaching staff ratio in the department - 0.8

17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: B.Sc. (H.S.) Botany, M.Sc. (Hons.) Botany, M.Sc.(Hons.) Env. Sc.

Assessment Performa from students were scrutinized and the meetings of class committees were held. Feed backs from students were considered. According to their suggestions the class of Research Methodology consisting of 125 students was split into two sections for better interactive teaching. As per the feedback from the students the style of the Minor Tests were revised.

18. Unit cost of education for each course in the department: Rs. 1,70,000/-

19. Increase in the infrastructural facilities in the department

Upgradation of Seminar Hall, Research Laboratories and renovation of Computer Lab.

20. Technology upgradation

The research components of the department have been strengthened by making addition of the following equipments:

GC-MS, Lypholiser, -80 °C and -40 °C, Inverted Microscope, Ice flaking machine, Millipore water filter unit, Upgradation of Computer Lab

21. Activities and support from the Parent-Teacher Association

The suggestion from the parents of the students are considered and implemented.

22. Activities of the Guidance and counseling unit

The class committee meetings are regularly held and students are given guidance and counseling for different academic as well as personal problems.

23. Any other relevant information the institution wishes to add: Nil

### Department of Biotechnology

1. New academic programmes initiated (UG and PG) in the Department:

M.Sc. Biotechnology (semester system) & M.Sc. Bioinformatics (semester system)

2. Innovation in curricular design and transaction:

a) Curriculum has been redesigned based on the revised curriculum circulated by DBT, Govt. of India, New Delhi.

b) Interdisciplinary and Elective course have been introduced.

3. Inter-disciplinary programmes started:

a) Cell Biology (M.Sc. Biotechnology sem-Ist)

b) Analytical Techniques (M.Sc. Biotechnology sem-Ist)

4. Candidate qualified: NET / SLET/ GATE etc.

NET - 11, SLET - Nil, GATE - 02

5. Total number of seminars / workshops conducted: Seminars: 03 and Workshops: 01

6. Research projects:

a) Newly implemented:

Sr. No.	Title of the project	Duration	Funding Agency	Amount sanctioned (Rs./lacs)	Investigator incharge
1.	Reproductive neuroendocrine dysfunction in cycling female rats treated with antiepileptic drugs	2010-2013	UGC	11.67	Prof. Gurcharan Kaur
2.	Juxtacrine and/or paracrine control of Brain plasticity	2007-2011	IFCPAR	78	Prof. Gurcharan Kaur
3.	Use of Ashwagandha derived phytochemicals for development of differentiation-based therapy of brain	2010-2013	DBT	75	Prof. Gurcharan Kaur

	cancers				
4.	Cellular and molecular mechanisms of adverse effects of antiepileptic and mood stabilizing drugs	2010-2013	DBT	59	Prof. Gurcharan Kaur
5.	Peptidyl prolyl cis-trans isomerases : Role in storage protein deposition in wheat and relevance to industry	2008-2011	DBT	67.7	Dr. Prabhjeet Singh
6.	Transgenic analysis for the role of wheat gene ( <i>TaVAP</i> ) encoding for a vesicle-associated membrane protein-associated protein in abiotic stress tolerance	2008-2011	DBT	33.3	Dr. Prabhjeet Singh & Dr. P.K. Pati
7.	Insight into brassinosteroids-regulated defense system of <i>Raphanus sativus</i> under heavy metals stress using biochemical and molecular approaches	2008-2011	DST	28.0	Dr. P.K. Pati & Dr. Renu Bhardwaj
8.	Insights into secondary metabolite production and their accumulation in <i>Withania Somnifera</i> using <i>in vitro</i> propagation system.	2010-2013	DBT	75.0	Dr. P.K. Pati
9.	Myxobacteria from North Indian Plains: diversity and potential for novel anti-infectives	2010-2013	CSIR	19.0	Dr. Ramandeep Kaur
10.	Cloning, expression and characterization of truncated globins from <i>Myxococcus xanthus</i> .	2010-2013	DBT	24.95	Dr. Ramandeep Kaur

b) Completed:

Sr. No.	Title of the project	Duration	Funding Agency	Amount sanctioned (Rs/lacs)	Name of the investigator
1.	Reversing Age Related Brain Functions Impairments by Late Onset Dietary Restriction	2007-2010	ICMR	28	Prof. Gurcharan Kaur
2.	Neurogenesis in the Subventricular	2006-2009	ICMR	13	Prof. Gurcharan

	Zone and Neocortex of Adult Rat: Interactive Effects of Excitotoxic Injury and Dietary Restriction.				Kaur
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7. Patent generated, if any: Nil

8. New collaborative research programmes

**Dr. P.K. Pati**

- Insight into brassinosteroids-regulated defense system of *Raphanus sativus* under heavy metals stress using biochemical and molecular approaches.
- Insights into secondary metabolite production and their accumulation in *Withania Somnifera* using *in vitro* propagation system.

**Prof. Gurcharan Kaur**

- Juxtacrine and/or paracrine control of Brain plasticity.
- Use of Ashwagandha derived phytochemicals for development of differentiation-based therapy of brain cancers.
- Cellular and molecular mechanisms of adverse effects of antiepileptic and mood stabilizing drugs.

**Dr. Prabhjeet Singh**

- Peptidyl prolyl cis-trans isomerases: Role in storage protein deposition in wheat and relevance to industry.
- Transgenic analysis for the role of wheat gene (*TaVAP*) encoding for a vesicle-associated membrane protein-associated protein in abiotic stress tolerance.

**Dr. Ramandeep Kaur**

- Myxobacteria from North Indian Plains: diversity and potential for novel anti-infectives.
- Cloning, expression and characterization of truncated globins from *Myxococcus xanthus*.

9. Research grants received from various agencies:

Sr. No.	Title of the project	Duration	Funding Agency	Amount (Rs./lacs)	Name of the investigator
1.	Reproductive neuroendocrine dysfunction in cycling female rats treated with antiepileptic drugs	2010-2013	UGC	11.67	Prof. Gurcharan Kaur
2.	Myxobacteria from North Indian	2010-2013	CSIR	19.0	Dr. Ramandeep

	Plains: diversity and potential for novel anti-infectives				Kaur
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10. Details of Research Scholars: Total 15

11. Citation index of faculty members and impact factor:

1.	Indian Journal of Biochemistry and Biophysics	0.57
2.	Brain Res Bull.	2.18
3	FEBS Letters	3.54
4	Neurosci. Res.	2.14
5.	Cancer Sci.	3.77
6.	Molecular Biotech.	2.44
7.	BMC Genomics	3.76
8.	EMBO reports	6.91
9	[Epub ahead of print] PMID : 20007262	2.06
10.	[Epub Ahead of Print] PMID 19609710	2.81

12. Honors/Awards to the faculty: Prof. Gurcharan Kaur

1. Vice-President of Society for Neurochemistry (India)
2. Executive member of Indian Association of Gerontology
3. Member of Indian Council for Medical Research, expert group in biogerontology

13. Internal resources generated: Nil

14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST/DST, FIST etc.

Sr. No.	Funding Agency	Amount sanctioned (Rs. in Lakhs)
1.	DBT, Govt. of India, New Delhi	17.92 (for M.Sc. Biotech. programme)

2.	DBT, Govt. of India, New Delhi	29.86 (for obsolete equipment)
3.	DBT, Govt. of India, New Delhi	11.85 (for Distributed Informatics Sub-Centre)

15. Teachers/offices newly recruited: Nil
16. Teaching-Non-teaching staff ratio in the Department: 06:09
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Nil
18. Unit cost of education for each course in the Department:
- |                                |   |              |
|--------------------------------|---|--------------|
| M.Sc. Biotechnology sem-Ist    | - | Rs. 29670.00 |
| M.Sc. Biotechnology sem-IIInd  | - | Rs. 15000.00 |
| M.Sc. Biotechnology sem-IIIrd  | - | Rs. 28870.00 |
| M.Sc. Biotechnology sem-IVth   | - | Rs. 15000.00 |
| M.Sc. Bioinformatics sem-Ist   | - | Rs. 29670.00 |
| M.Sc. Bioinformatics sem-IIInd | - | Rs. 15000.00 |
| M.Sc. Bioinformatics sem-IIIrd | - | Rs. 28870.00 |
| M.Sc. Bioinformatics sem-IVth  | - | Rs. 15000.00 |
19. Increase in the infrastructural facilities in the Department:
- Central Instrumentation facility has been established with minor and major instruments.
  - Cold Room Facility
  - Wi-fi connectivity
  - Modernization of Seminar Hall with Multimedia Projector & digital Podium system has been installed.
  - Library has been renovated
  - Green House Facility
20. Technology upgradation: Nil
21. Activities and support from the Parent-Teacher Association: Nil

22. Activities of the Guidance and counselling unit: Nil
23. Any other relevant information the institution wishes to add: Nil

### **Department of Chemistry**

1. New Academic programmes initiated (UG and PG) in the Department: M.Sc. (Hons.) Chemistry from July 2010
2. Innovations in curricular design and Transaction: The new practical courses have been designed for both graduate and post graduate students. As per guide lines of UGC, two new courses in supramolecular Chemistry and Green chemistry have been designed and included as curriculum of post graduate students. The other courses have been redesigned as per needs of the credit based system.
3. Inter-disciplinary programmes started: NIL
4. Candidates qualified: NET/SLET/GATE etc. > 20 candidates have qualified UGC-CSIR Net examination in last three years.
5. Total number of seminars/workshops conducted: Two symposia conducted in last five years.
6. Research projects: 32 projects have been sanctioned in last five years.
7. Patents generated, if any: NIL
8. New collaborative research programmes: NIL
9. Research grant received from various agencies:  
CAS – 142 lacs; DST-FIST 250 lacs; other individual projects: 400 lacs; UGC – infrastructure funds 50 lacs
10. Detail of Research scholars: 65
11. Average impact factor of publications: 2.5
12. Honors/Awards to the faculty:
  - F.N.A. Two
  - F.A.Sc. One
  - F.N.A.Sc. Two
  - CRSI GOLD MEDAL One



CAS: Yes; DST-FIST: yes

15. Teachers/ officers newly recruited: One assistant Prof. joined in July 2010.

16. Teaching-Non teaching staff ratio in the department: 22:17.

17. Courses in which student assessment of teachers is introduced and the action taken on the student feedback:

The student assessment of teacher is introduced w.e.f. 2010 in the following courses:

- (a) B.Sc. (H.S.) chem. Sem 1
- (b) M.Sc. (H.S.) chem. Sem 1
- (c) M.Sc.(HONS) chem. Sem 1
- (d) Pre Ph.D. Course

The teacher is acknowledged about the assessment and one meeting between the teacher and few representatives of the classes have been held to find the means to solve the problem regarding the course curricula.

18. Unit cost of education for each course in the department: Rs 80,000/- per student per year

19. Increase in the infrastructural facilities in the department:

- i. Renovation of seminar hall with sitting capacity of 110. It is fully air-conditioned with multi-media and audio visual facility.
- ii. Three classrooms constructed with fixed furniture for 50+ student seating capacity.
- iii. Renovation of research labs and practical labs provided with fumes facility.
- iv. As the total number of girl students are more than 50% of the total strength of students in the Department, ladies washrooms has been renovated.

20. Technology upgradation: NIL

21. Activities and support from the parent-teacher Association: does not exist

22. Activities of the guidance and Counselling unit: NIL

23. Any other relevant information the institution wishes to add: NIL

### **Department of Commerce and Business Management**

1. New academic programmes initiated (UG and PG) in the Department: Nil
2. Innovations in curricular design and transaction: Nil
3. Inter-disciplinary programmes started: Nil.
4. Candidates qualified: NET/SLET/GATE etc.: A good number of candidates qualify NET every year but specific information is not available. May be procured from UGC Cell, GNDU, Amritsar.
5. Total number of seminars/workshops conducted: One
6. Research projects:
  - b) Newly Implemented
    - i) Dr. Raghbir Singh, One AICTE Project.
    - ii) Dr. Lakhwinder Singh Kang, Reader, One UGC Sponsored Project.
    - iii) Dr. Harmeem Kaur Soch, Sr. Lecturer, One UGC Sponsored Project.
  - c) Completed:
    - i) Dr. Balwinder Singh, Reader. – One
    - ii) Dr. Mandeep Kaur, Reader – One
7. Patents generated, if any: Nil.
8. New collaborative research programmes: Nil.
9. Research grants received from various agencies:
  - i) Dr. Raghbir Singh, Professor. Grant Received 7.10 lac.
  - ii) Dr. Lakhwinder Singh Kang, Reader, Grant Received 6,79,000/-
  - iii) Dr. Harmeem Kaur Soch, Sr. Lecturer, Grant Received: 6,23,700/-
10. Details of research scholars: 31 SRFs/JRFs
11. Citation index of faculty members and impact factor: Nil.
12. Honors/Awards to the faculty: Nil.
13. Internal resources generated: Nil.

14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST)/DST.FIST, etc.: Nil.
15. Teachers/ officers newly recruited: Two -- Dr.(Mrs.) Gurpreet Randhawa & Dr. (Mrs.) Aparna Bhatia
16. Teaching - Non-teaching staff ratio in the Department: 2:1
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Nil.
18. Unit cost of education for each course in the department:  
Approximately:
  - MBA – 1,40,000/-
  - MBA (Hons.) Financial Services and Marketing & Retail Management: 2,80,000/-
  - M.Com.28,000/-
19. Increase in the infrastructure facilities in the Department:  
One New Computer Lab. consisting of 40 Computers established.
20. Technology upgradation: Purchased Two Softwares – Eviews and SPSS
21. Activities and support from the Parent-Teacher Association: Nil.
22. Activities of the Guidance and Counselling unit: Nil.
23. Any other relevant information the institution wishes to add: No.

### **Department of Computer Science and Engineering**

1. New Academic Programmes initiated (UG and PG) in the Department: None
2. Innovations in Curricular design and transaction: The syllabi were revised recently
3. Inter-disciplinary Programmes Started: None
4. Candidates Qualified: NET/SLET/GATE etc.: The info is not maintained in the dept.
5. Total number of seminars/workshops conducted: None
6. Research Projects a) Newly implemented and b) Completed: a) None b) None
7. Patents generated, if any: None
8. New Collaborative Research Programmes: None
9. Research Grants received from various agencies: None
10. Details of Research Scholars: None
11. Citation Index of Faculty members and Impact factor: Not-Known
12. Honors/Awards to faculty: None
13. Internal Resources generated: None
14. Details of Funding/activities from the department getting  
SAP, COSIST (ASSIST)/DST/FIST etc.: None
15. Teachers/Officers Newly Recruited: Mr. Sandeep Waraich as Lecturer
16. Teaching - Non Teaching staff ratio in the department: As per GNDU rules
17. Courses in which students assessment of teachers is introduced and action taken on student  
feedback: None
18. Unit Cost of education for each course in the department: As per the GNDU rules
19. Increase in the infrastructural facilities in the department: None
20. Teaching Upgradation: Organized one Refresher Course in collaboration with ASC.
21. Activities of Guidance and Counselling Unit: Working in Collaboration with Placement Cell  
of University

22. Activities of support from the parent-teacher association: Nil
23. Any other relevant information the institute wishes to add: None

### **Department of Electronics Technology**

1. New Academic programmes initiated (UG and PG) in the department.
  - B. Tech Electronic Communication Systems Engineering
  - M. Tech Communication Systems
2. Innovations in curricular design and transaction:
  - The curriculum is updated every year through the Board of Studies and the Academic Council. The last revision of the courses was done 2009. With the new credit based system in place the courses are being redesigned again this year
3. Inter-disciplinary programmes started:
  - At present there is no interdisciplinary program being run in the department, however we share faculty with other department.
  - Mechanical and Wood working workshop shared with Dept of Computer science Engineering, Food Technology, Textile Chemistry and Sugar Technology
  - Electronics Instruments and Measurement Lab. shared with Dept of Computer Science and Engineering and food Technology
  - Electrical Engineering Laboratory shared with Dept. Computer Science and Engineering and food Technology.
4. Candidates qualified: NET/SLET/GATE etc.: Ten
5. Total number of seminars/workshops conducted:
  - In collaboration with CADENCE & INTEL our students attended a 3 day workshop on VLSI Design & Embedded Systems at IIIT, Pune.

- Organized a one day seminar on Recent Trends in Electronics & Communication sponsored by AICTE under IIPC program.
- Organized seminar by Mr. Jaspreet Singh CEO Fiberonics on “Optical Fiber Sensors”.
- Co-ordinated a 3 Weeks refresher course on Computer/Electronics/IT

Organized various seminars on:

- “Personality Development, communication Skills & the Art of facing the Placement interviews” by Mr. Sanmeet Sidhu (IMS Delhi).
- “Management as a career prospect” by Mr. Sanjeev Srivastva (Career Launcher Delhi).
- “Embedded systems” by Mr. Rohit Khosla (Netmax Training Institute Chandigarh).
- “E-Commerce as an alternate career” by Mr. Anand Arora.

6. Research projects: a) Newly implemented and b) completed:

- Rain attenuation studies at 20 GHz in border areas of Punjab, outlay Rs.13.10 lakhs and instruments worth Rs.80 lakhs from DRDO (Defense Research and Development Organization)
- Fuzzy Logic System for non-linear inter symbol interference in channel equalization, outlay Rs.15,000/-
- Digital Signal Processing based MODEM, outlay Rs.50,000/-
- Rain induced attenuation at 30 GHz, outlay Rs.4.85 lakhs and instruments from DRDO
- A minor project entitled, “Development of Numerical Methods for Evaluation of Stimulated Raman Scattering and Four Wave Mixing in Fiber Optic Communication Systems for Computer Simulations”, funded by the University Grants Commission

7. Patents generated, If any

- Dr. M. L. Singh has applied for a patent however final result is awaited
8. New collaborative research programmes:
- At present we have no collaborative research activity
9. Research grants received from various agencies
- As mentioned in point 6
10. Details of research scholars:
- No. of Ph.D. Completed: 10
  - No. of Ph.D. Candidates Registered: 04
  - No. of Ph.D. Candidates Enrolled: 11
11. Citation index of faculty members and impact factor: not determined
12. Honors/ Awards to the faculty:
- Dr. M. L. Singh: Certificate of Merit by the Institute of Engineers for the best research paper published.
13. Internal resources generated
- Self financed course has been started in the department since 2007 in B. Tech. (Electronics Communication Systems Engineering)
14. Details of funding/ activities from the departments getting SAP, COSIST (ASSIST)/ DST, FIST etc. : none
15. Teachers/ Officers newly recruited: Ten
16. Teaching-Non teaching staff ratio in the department: 19:20
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: w.e.f current session (2010-11).
18. Unit cost of education for each course in the department: not determined
19. Increase in the infrastructural facilities in the department

- New class rooms with multimedia facility built
  - New computers added
20. Technology upgradation: Internet facility, within department LAN, New computer and simulation lab to be developed
21. Activities and support from the parent-Teacher association: As such there no PTA but as and when required the parents are informed about the activities of their wards
22. Activities of the Guidance and counselling unit: This is done through the Dean Students of the University, However within the department two teachers have been assigned the duty for students counselling as well as anti-ragging duties
23. Any other relevant information the institution wishes to add: nil

### **Department of English**

1. New academic programmes initiated (UG and PG) in the Department: In the session 2010 the Pre-Ph.D programme was initiated.
2. Innovations in curricular design and transaction: The department updates the course curriculum for all the programmes keeping in view the syllabi being taught in other universities and at the same time also tries to correlate the same with the requirements of UGC/NET/JRF Tests.
3. Inter-disciplinary programmes started: Many of the courses being taught in different programmes are essentially inter-disciplinary in nature. The attempt has always been to introduce such topics in which literatures written in different languages are taught.
4. Candidates qualified (JRF/NET): 2 (UGC-JRF), 1 (University fellow)
5. Total number of seminars/workshops conducted: A National Conference on Translating Punjabi Creative Fiction with special reference to Gurdial Singh's 'Night of the Half Moon' & Dalip Kaur Tiwana's 'Gone are the Rivers' was convened by Prof. Parminder Singh.
6. Research projects: Nil
7. Patents generated, if any: Nil
8. New collaborative research programmes: Nil
9. Research grants received from various agencies: UGC (SAP): Nil
10. Details of research scholars: 2

11. Citation index of faculty members and impact factor: Nil
12. Honours/Awards to the faculty: Nil
13. Internal resources generated: Nil
14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST) DST, FIST, etc. UGC- SAP, DRS-II: Nil
15. Teachers/officers newly recruited: Nil
16. Teaching-Non-teaching staff ratio in the Department: 7:6
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Nil
18. Unit cost of education for each course in the department: To be provided by the accounts branch
19. Increase in the infrastructural facilities in the Department: Over Head Projector
20. Technology upgradation: Use of internet in most of the fields
21. Activities and support from the Parent-Teacher Association: Nil
22. Activities of the Guidance and Counselling unit: Nil
23. Any other relevant information the institution wishes to add: Available from department

### Department of Food Science and Technology

1. New academic programmes initiated: Ph.D programme as per new UGC guidelines with credit based evaluation system.
9. Innovations in curricular design and transaction: Course work in Ph.D was formulated.
10. Interdisciplinary programmes started. Nil
11. Candidates qualified: NET/SLET/GATE etc. : 1 UGC-JRF
12. Total number of seminars/ workshops conducted : 2
13. Research Projects: completed: 1

New:

S. No	Title of project	Funding Agency	Duration	Amount (Rs)	Status
(i)	Enhancing resistance to biotic stresses & to enhance product quality in sorghum  Co-Principal Investigator: Narpinder Singh	DSR-AICSIP Indian Council of Agricultural Research	2009- 2012	10.00 lakh	Ongoing
(ii)	Peptidyl Prolyl Cis-Trans Isomerases: Role in Storage Protein Deposition in Wheat Relevance to Industry.  Co-Principal Investigator: Narpinder Singh	Department Biotechnology of	2008- 2011	67.74 lakh	Ongoing

(iii)	Ramanna Fellowship Principal Investigator: Narpinder Singh	Department of Science & Technology, Ministry Science and Technology	2007-2010	34.80 lakh	Ongoing
(iv)	Isolation and characterization of starch and protein from different legumes Principal Investigator: Narpinder Singh	Department of Science and Technology, Ministry Science and Technology	2007-2010	31.69 lakh	Ongoing
(v)	Production, characterization and modification of gluten proteins Principal Investigator: Narpinder Singh	University Grants Commission	2007-2010	8.21 lakh	Completed

14. Patents generated, if any: Nil
15. New collaborative research programmes: Collaborating on “Enhancing resistance to biotic stresses & to enhance product quality in sorghum” with National Sorghum Research Centre, Hyderabad.
16. Research grants received from various agencies: 10 lakh.
10. Details of research scholars: 14
11. Citation index of faculty members and impact factor: H-index 21
12. Honors/Awards to faculty: Fellow of the Indian National Science Academy (INSA)-2010.
13. Internal resources generated: FISC (Food Industry Service Centre)- Rs. 10250/-
14. Details of funding /activities from the departments getting SAP, COSIST (ASSIST)/DST, FIST, etc.: DST (FIST): FIST ongoing.
15. Teachers/officers newly recruited: Nil
16. Teaching-Non-teaching staff ratio in the department: 1:1
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback:
  - M.Sc. (Food Tech.) Ist sem
  - B.Tech. (Food Tech.) Ist sem
18. Unit cost of education for each course in the Department: Rs/-81868 per candidate per year
19. Increase in the infrastructural facilities in the Department:

Centrifuge microprocessor, Water purification, Distillation unit, Mini Centrifuge, Rheostress, Rheometer, Spectrophotometer, Impact Mill, Water activity meter, Microwave.

24. Technology upgradation: Internet facility on all camp.
25. Activities and support from the Parent-Teacher Association: Nil
26. Activities of the Guidance and Counselling unit: Nil
27. Any other relevant information the institution wishes to add: Nil

**Collaborated research programme:**

Collaborating on “Enhancing resistance to biotic stresses & to enhance product quality in sorghum” with National Sorghum Research Centre, Hyderabad.

**Awards:** Fellow of the Indian National Science Academy (INSA)-2010.

**Department of Foreign Languages**

1. New Academic program imitated (UG & PG) : Nil
2. Innovations in curricular design and transaction : Nil
3. Inter-disciplinary programmers started: N.A.
4. Candidate qualified: NET/SLET/GATE etc. N.A.
5. Total nos. of seminar/workshop conducted: Nil
6. Research projects: a) newly implemented & b) completed : Nil
7. Patents generated, if any Nil
8. New collaborated research program : Nil
9. Research grants received from various agencies : Nil
10. Citation index of Faculty members & impact factors: NA
11. Honours /Awards to the faculty : Nil
12. Internal resources generated : Nil
13. Details of Research scholars : Nil
14. Details of funding /Activities from the department getting SAP, COSIST (ASSIST)/  
DST, FIST etc.: N.A.
15. Teachers/Officers newly recruited : Nil

16. Teaching- non teaching staff ratio in the department: 7:2
17. Courses in which student's assessment of teachers is introduced and action taken on students feedback: in process
18. Unit cost of education for each course of the department: Not known
19. Increase in the infrastructural facilities in the department : Nil
20. Technology up gradation: N.A.
21. Activities and support from the Parent-teachers association: N.A.
22. Activities of the guidance and counselling unit: N.A.
23. Any other relevant information the institution wishes to add: NA

### **Department of Guru Nanak Studies**

1. New academic Programmes: Pre-Ph.D. Course Started, 2010.
2. Innovation in curricular design and transaction :
  1. Credit Based Evaluation System introduced in Pre-Ph.D. Course.
  2. The Syllabus for the M.A. (Religious Studies) and M.Phil. (Religious Studies) courses are re-viewed in the meeting of Board of Studies after every two years.
3. Inter-disciplinary programmes started:
 

Department of Guru Nanak Studies is Inter-Disciplinary Department. Faculty members are of different specialisation and working on Sikh Philosophy, Sikh Literature and Sikh History.
4. Candidates qualified : NET/SLET/GTAE etc. :
 

Six Students of M.A. Religious Studies have qualified UGC NET.
5. Total Number of Seminars/Workshops conducted :

Seminars: 6

1. 'Guru Nanak Dev and Origin of Gurdwara Institution', 22-23 Nov, 2009.
2. Contribution of Guru Nanak's Bani to Global Spiritualism, 22-23 Nov, 2010.
3. Baba Deep Singh: Life and Contribution, 29-30 Jan., 2009.
4. Mystical Experience and the World Religions, 29-30 Jan., 2009.
5. Global Concerns and the World Religions, 25-26, March, 2010
6. gurU rivdws bwxI dw smwijk sMdrB, 27, March, 2010

Workshops: 2

1. sRI gurU gRMQ swihb : sMkln, sMpwn qy sMdyS, 6-7, March, 2009
2. Interfaith Leadership Training Workshop. 27 Nov., to 3 Dec., 2010., In collaboration with Elijah Interfaith Institute, Jerusalem and Guru Nanak Nishkam Sevalk Jatha, UK.

Lectures: 6

1. Guru Gobind Singh and His Mission', Lecture organized under 'Principal S. Iqbal Singh Memorial Lecture', 24-03-09
2. 'is`K pMQ nUM drpyS sm`isAwvW qy smwDwn', ipRMsIpl iekbwl isMG XwdgwrI BwSx, 18 Feb., 2010
3. Applied Ethics, Lecture sponsored by Indian Council of Philosophical Research,, 22-01-2010
4. "Environmental Awareness", Lecture sponsored by Indian Council of Philosophical Research,, 22-01-2010
5. Future of Philosophy in Modern World, Sponsored By: Indian Council of Philosophical Research, New Delhi to celebrate World Philosophy Day, 2010.
6. Prof. Gurdinder Singh Maan, University of Santa Barbara, California along with a group of Students and Researchers visited the Department, August 4, 2009.
6. Research Projects : Newly Implemented and completed :
  - Source Book on the Life and Teachings of Bhagat Trilochan:
  - Rajasthani Sources on Banda Singh Bahadur

- Field Work on the Sikh Shrines
  - Index of Major Research Journals (English)  
Journal of Sikh Studies, Journal perspective on Guru Granth Sahib, Journal of Regional History, Journal of Religious Studies, Punjab Past and Present, Proceedings of the Punjab History Conference, Journal of Punjab Studies, abstract of Sikh Studies have been prepared.
  - Bibliography of Sikhism
  - Gurbilas Patshahi Daswin (Under typing process)
  - Freedom and Derminisim : the Sikh Perspective (Under typing process)
  - Study of Sources of Ghadar Movement (Under typing process)
7. Patents Generated, if any : No
8. New Collaborative research programmes : No
9. Research grants received from various agencies :
1. UGC-SAP (DRS-1), 2007-2012
  2. Guru Nanak Studies Centre, 2010-11
10. Details of Research Scholars : 13
1. Research Fellows : 4
  2. Project Fellows : 2
  3. JRF/SRF : 7
11. Citation index of faculty members and impact factor : not determined
12. Honors/Awards to the faculty : No
13. Internal resources generated : No
14. Details of Funding/activities from the department getting SAP, COSIST (ASSIST) DST. FIST, etc. : SAP.
15. Teachers/Officers Newly recruited: Dr. Bharatbeer Kaur Sandhu, Lecturer
16. Teaching – Non-teaching staff ratio in the Department: 6 : 4

17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: M.A.(Religious Studies), M.Phil. (Religious Studies)

18. Unit cost of education for each course in the department:

Tuition fee was condoned from session 2010-11.

19. Increase in the infrastructural facilities in the Department :

Partial up-gradation of Meeting Room, 4 AC purchased under SAP, 1 AC installed in Head Room.

20. Technology Up-gradation : No

21. Activities and support from the parent-Teacher Association : No

22. Activities of the Guidance and Counselling unit :

1. Some faculty members are appointed as advisory members of important educational bodies.
2. Research students are encouraged to participate and present their papers in Research Forum once in a month.

23. Any other relevant information the institution wishes to add:

#### **Visiting Fellows**

- Prof. Harpal Singh Pannu, Head, Deptt. of Religious Studies, Punjabi University, Patiala visited the Department as visiting fellow from March 15, 2010 to March 26, 2010.
- Prof. N. Muthu Mohan, Professor & Head, Department of Guru Nanak Studies, Chairperson, School of Religions, Philosophy and Humanist Thought, Madurai Kamaraj University, Madurai visited the Department as visiting fellow from November 1, 2010 to 12 November, 2010.

1. New academic programmes initiated (UG and PG) in the Department: Started PG level course Master in Planning (Infrastructure) in 2008-09.
2. Innovations in curricular design & transaction: As per the requirements of the profession in the market, changes are made from time to time.
3. Inter-disciplinary programmes started: Courses of teaching of other departments.
4. Candidates qualified: NET/SLET/GATE etc.: Not applicable
5. Total number of seminars/workshops conducted: 01
6. Research projects: a) Newly implemented and b) Completed: completed 1
7. Patents generated, if any: Nil
8. New collaborative research programmes: Nil
9. Research grants received from various agencies: Nil
10. Details of research scholars: Nil
11. Citation index of faculty members and impact factor; Nil
12. Honours/Awards to the faculty: Nil
13. Internal resources generated: Infrastructure building through sponsorships from Alumni.
14. Details of funding/activities from the department getting SAP, COSIST (ASSIST)/DST, FIST etc. : Nil
15. Teachers/officers newly recruited: Nil
16. Teaching - Non-teaching staff ratio in the department: Teaching: 15 (06 Regular & 09 Contractual) Non-teaching: 11.
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Introduced in 2010-11.
18. Unit cost of education for each course in the department: Rs. 97672 per student

19. Increase in the infrastructural facilities in the Department: 22 computers, 2 LCD Projectors, furniture for students, AutoCAD and GIS software purchased.
20. Technology upgradation: LCD/OHPs and latest softwares are used for teaching
21. Activities and support from the Parent-Teacher Association: Regular update about student's performance in the courses
22. Activities of the Guidance and Counselling unit: Frequent meetings with the students, Class Representatives and Department Representative
23. Any other relevant information, the institution wishes to add: The department is working on introduction of new PG level specialized course.

### **Department of Hindi**

1. New academic programmes initiated: Functional Hindi- B.A.-1,2,3.
2. Innovations in curricular design and transactions:
  - New papers and syllabi have been designed in the field of computer and journalism.
  - All syllabus have been revised, reviewed and modernised as per UGC guidelines and university norms
3. Inter-disciplinary programmes started: Pre-Ph.D.
4. Examination reforms implemented
  - Semester system implemented
  - Total transparency in examination system
  - Department based centralised evaluation system started
  - Answer scripts are shown to students
  - Project work is made compulsory to each M.Phil. Students
5. Candidates qualified: NET/SLEIT/GATE etc: Six candidates have qualified for UGC NET/JRF.
6. Initiative towards faculty development programme
  - Department organised a refresher course from 04-03-2010 to 24-03-2010
  - Teachers participate in seminars, workshops, conferences from time to time
7. Total number of seminars/workshops conducted

- National seminar “Punjab ka samkaleen hindi sahitya” on 04-9-09.
- Lectures: (i) Dr. Alok Gupta: muktibodh ki kavita mein yug chetna aur abhivyakti (24-07-09), (ii) Dr. Doodhnath Singh: meri rachna prakriya (13-11-09), (iii) Dr. D.P. Maini: Guru Gobind Singh aur bhartiya sanskriti (28-01-2010), (iv) Dr. Amarnath: ubharti asmitayien aur hindi bhasha (04-02-2010).

8. Newly implemented: research projects

- Aadhunik Hindi aur Punjabi kavita mien swatantrta andolan ki bhavabhivyakti ka tulnatmak adhyayan (1857-1947) major research project awarded by UGC to Dr. Sudha Jitnder (2008-2011)
- Prayawaran aur hindi sahitya
- Hindi ka bhartiya tatha pravasi mahila katha lekhan:tulnatamak adhyayan (1980-up to)major research project awarded by UGC to Dr. Madhu Sandhu (2010-2012)

o Completed research projects

- Punjab ka hindi sahitya:
- prampra aur vikas
- Guru Teg Bahadur ji ki vani ka sanskritik mulyankan
- Stylistic semiologic & deconstructive analysis of sri ramcharit manas
- Ritikaleen hindi sahitya
- Hindi lekhak kosh: Punjab ka sandharbh

9. Patents generated: Nil

10. New collaborative research programmes: Nil

11. Research grants received: Rs. 12.5 lac from UGC

12. Detail of research scholars: Senior Research fellows: 02; Project fellows: 20.

13. Citation index of faculty members and impact factor: NA

14. Honours/awards to the faculty:

- Kabir Samaan-09.
- Sahitya Ratan Puraskar, Oct. 2010

15. Internal resources generated: NA

16. Detail of funding/activities from the departments getting SAP, COSIST (ASSIST)/DST.FIST, etc.: NA
17. Community services: Students regularly participate in NSS, NCC, Scout & guide, blood donation camp etc.
18. Teachers & officers newly recruited: nil
19. Teaching-non-teaching staff ratio: 05:04
20. New books/journals subscribed & their value
  - Books-22,496/-
  - Journals-2,000/-
21. Courses in which student assessment of teachers is introduced and the action taken on student feedback: M.A., M.Phil. and Pre-Ph.D w.e.f 2010.
22. Improvements in the library services
  - E-cataloguing started
  - Use of internet emphasized
23. Unit cost of education: 22,493/-
24. Any other information:

The future vision of the department for next five years

  - Advanced study centres
  - Advanced study and research in the field of Hindi literature of Punjab, historiography of Hindi literature of Punjab
  - Inter-disciplinary research programmes
  - Language lab
  - Journalism and mass communication
  - Translation
  - Environmental consciousness depicted in modern as well as medieval Hindi literature
  - Editing manuscripts in Devnagri script: Pradhikrit: research journal of Hindi department (22 issues are already published and 23rd in press) and Munshi Premchand Hindi Sahitya Parishad

### **Department of History**

1. New Academic Programmes initiated (UG and PG) in the Department: NA
2. Innovations in curricular design and transaction: NA
3. Inter-disciplinary programmes started: NA
4. Candidates qualified : NET/SLET/GATE etc.: One
5. Total Number of seminars/workshops conducted: Two
6. Research Project: a) Newly implemented and b) completed: Nil
7. Patents generated, if any: Nil
8. New collaborative research programmes: Nil
9. Research grants received from various agencies: NA
10. Details of Research Scholars:  
Mr. Harjit Singh UGC JRF, Satnam Singh UGC JRF, Daljit Kaur JRF (RGNF)  
Manjit Singh JRF (RGNF), Munish Singh JRF (RGNF), Babuha Maingi ICHR  
Pankaj University Fellowship, Rohit Kumar University Fellowship
11. Citation index of faculty members and impact factor: NA

12. Honours/Awards to the Faculty: NA
13. Internal Resource generated: NA
14. Details of Funding /activities from the departments are getting SAP, COSIST (ASSIST)/DST. FIST etc: Nil
15. Teachers/officers newly recruited: NA
16. Teaching-Non-teaching staff ratio in the department: 8:6
17. Course on which student assessment of teachers is introduced and the action taken on student feedback: M.A. and M.Phil.
18. Unit Cost of education for each course in the department: M.A. = 1,05,775/- P.A, M.Phil = 65,480/- P.A.
19. Increase in the infrastructural facilities in the Department: NA
20. Technology up gradation: NA
21. Activities and support from the Parent-Teachers Association: NA
22. Activities of the Guidance and Counselling unit: NA
23. Any other relevant information the institution wishers to add: Deptt. organized one Special lecture.

#### **Department of Human Genetics**

1. New academic programmes initiated (UG and PG) in the Department: B.Sc. (Honours School) [UG] and Pre-Ph.D course work from session July 2010-2011
2. Innovations in curricular design and transaction: Credit based evaluation and Grading system has been implemented from session 2010-2011 for both undergraduate, postgraduate courses and Pre-Ph.D. course.
3. Inter- disciplinary programmes started: Interdisciplinary optional courses from among the various science departments are being offered at undergraduate, post graduate and pre-Ph.D. level from session 2010-2011.
4. Candidates qualified: NET/SLET/GATE etc. : None in 2009-2010
5. Total No. of Seminars/ workshops conducted:
  - UGC-SAP Seminar on “Genetics of Complex Disease” (April 2, 2010)
  - G.S. Randhawa Oration Award (April 3, 2010)
  - Sardar Jaswant Rai Memorial Lecture in Life Sciences (April 5, 2010)

- Indo-German Workshop on Bioinformatics in Human Genetics: Mutation, Microarray Analyses & Ontologies (January 25 -29, 2010), Organised by the Centre of Genetic Disorders.

6. Research Projects: Newly implemented - Seven

Title of the Projects	PI/Co-I	Funding Agency	Amount (Rs.)	Period
Molecular genetic analyses in diabetic retinopathy cases	Dr. Vanita Kumar	DST, SERC Fast Track Scheme	18.96 Lakhs	2009-2012
Assessment of <i>VEGF</i> Polymorphisms and Serum Vascular Endothelial Growth Factor (sVEGF-C) level as Prognostic Marker for Breast Cancer	Dr. Kamlesh Guleria Dr. Vasudha Sambyal	DBT	16.08 Lakhs	2009-2012
Study of Adiponectin Levels and Single Nucleotide Polymorphisms in the Adiponectin Gene in Type 2 Diabetic Women	Dr. Kawaljit Kaur Mentor: Dr. AJS Bhanwer	DST (DST-WOS-A)	17.88 Lakhs	2009-2012
Molecular Studies of Alcoholism in SC Population of Punjab	Dr. A.J.S. Bhanwer	UGC	11.72 Lakhs	2010-2013
Metabolic Genotypes as Modulators of DNA and Chromosomal Damage in Persons Engaged in Quarrying/Stone Crushing	Dr Gursatej Gandhi	DST	18.80 Lakhs	2010-2013
Genetic polymorphism of <i>MTHFR</i> : Its implication as maternal risk factor for Down Syndrome	Dr. Anupam Kaur	UGC	8.61 Lakhs	2010-2013
Indo-German DBT Project "The neurobiology of hereditary retinal diseases genes and molecular dysfunctions underlying disorders of the neuroretina"	Dr. Vanita Kumar Dr. Jai Rup Singh Dr. Daljit Singh Dr. Indu Ravijit Singh Dr. PN Robinson	DBT	1.07 crore	2010-2013

Completed - Two

Title of the Projects	PI/Co-I	Funding Agency	Amount (Rs.)	Period
To assess efficacy of plasma Pyruvate kinase M2 and lymphocytic karyotypic profile as prognostic marker in Esophageal cancer	Dr. Vasudha Sambyal	UGC New Delhi	7.95 Lakhs	2006-2009

Centre of Excellence in Sports Sciences	Dr. A.J.S. Bhanwer Dr. Gursatej Gandhi	UGC New Delhi	30.00 Lakhs	2007-2010
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7. Patents generated, if any:

NA

8. New collaborative research programmes: The Indo-German DBT Project “The neurobiology of hereditary retinal diseases genes and molecular dysfunctions underlying disorders of the neuroretina” is a joint collaboration between Humboldt University, Berlin, Germany, Human Genetics Department, G.N.D.U., Amritsar, Central University of Punjab, Bathinda, and Dr. Daljit Singh Eye Hospital, Amritsar.

9. Research Grant Received from various Funding Agencies:

Title of the Projects	PI/Co-I	Funding Agency	Amount (Rs.)	Period
DST FIST	Head of the department , Coordinator	DST	30.0 Lakhs	2004-2009
UGC DRS (SAP)	Dr. A.J.S. Bhanwer, Coordinator	UGC	40.0 Lakhs	2007-2012
Molecular genetics analyses in diabetic retinopathy cases	Dr. Vanita Kumar	DST, SERC Fast Track Scheme	18.96 Lakhs	2009-2012
Assessment of <i>VEGF</i> Polymorphisms and Serum Vascular Endothelial Growth Factor (sVEGF-C) level as Prognostic Marker for Breast Cancer	Dr. Kamlesh Guleria Dr. Vasudha Sambyal	DBT	16.08 Lakhs	2009-2012
Study of Adiponectin Levels and Single Nucleotide Polymorphisms in the Adiponectin Gene in Type 2 Diabetic Women	Dr. Kawaljit Kaur Mentor: Dr. AJS Bhanwer	DST (DST- WOS-A)	17.88 Lakhs	2009-2012
Molecular Studies of Alcoholism in SC Population of Punjab	Dr. A.J.S. Bhanwer	UGC	11.72 Lakhs	2010-2013
Metabolic Genotypes as Modulators of DNA and Chromosomal Damage in Persons Engaged in Quarrying/Stone Crushing	Dr Gursatej Gandhi	DST	18.80 Lakhs	2010-2013
Genetic polymorphism of	Dr. Anupam Kaur	UGC	8.61	2010-2013

<i>MTHFR</i> : Its implication as maternal risk factor for Down Syndrome			Lakhs	
Indo-German DBT Project “The neurobiology of hereditary retinal diseases genes and molecular dysfunctions underlying disorders of the neuroretina”	Dr. Vanita Kumar Dr. Jai Rup Singh Dr. Daljit Singh Dr. Indu Ravijit Singh Dr. PN Robinson	DBT	1.07 crore	2010-2013
DST FIST (Sanctioned, grant awaited)	Head of the department, Coordinator	DST	45.0 Lakhs	2010-2015

10. Details of Research scholars: 23

11. Citation index of faculty members and impact factors: Publications : 47, Impact Factor of publications in 2009-2010 :

S. No.	Name of Journal	Impact factor
1.	Anthropologischer Anzeiger	0.80
2.	Collegium Antropologicum	0.75
3.	Depression and Anxiety	2.58
4.	Diabetes and Vascular Disease Research	0.33
5.	Environmental & Molecular Mutagenesis	2.36
6.	European Journal of Endocrinology	3.53
7.	European Journal of Human Genetics	3.56
8.	Human Genetics	4.0
9.	Journal of Environmental Biology	0.34
10.	Journal of Human Genetics	2.27
11.	Molecular Vision	2.33
12.	Natural Sciences	0.445
13.	The Middle European Journal of Medicine	0.89

12. Honors / Award to faculty: Rotary appreciation award to Dr. Vasudha Sambyal: on Teacher’s day, 2009 by Rotary Club Central, Amritsar

13. Internal resources generated: Rs.1.22 lac generated from the referral cases for cytogenetic diagnosis in Centre of Genetic Disorders between Jan. 2009-Nov 2010.

14. Details of Funding/activities from departments getting SAP, COSIST (ASSIST/DST, FIST, etc.

Name of Agency/ Scheme	Year	Amount (Rs.)
DST FIST	2004-2009	30,00,000
Equipment		20,00,000

Infrastructure		5,00,000
Computer Lab.(networking)		5,00,000
UGC DRS (SAP)	2007-2012	49,00,000
Equipment		17,00,000
Contingency		50,000/-p.a.
Chemical & Consumables		2,00,000/-p.a.
Travel		40,000/-p.a.
Advisory committee meeting		40,000/-p.a.
Hiring services		40,000/-p.a.
DST FIST (Sanctioned)	2010-2015	45,00,000
Major Equipment		30,00,000
Minor Equipment		5,00,000
Computers		5,00,000
Books		5,00,000

15. Teachers/officers newly recruited: Centre of Genetic Disorders was merged with Human Genetics department with effect from April 1, 2010. The staff of two Readers and one computer programmer became part of the faculty of Human Genetics department.

16. Teaching- Non teaching staff ratio in the Department: 9:10

17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Student assessment of teachers has been introduced from the session July 2010-2011 for B.Sc. (HS), M.Sc. (H) and Ph.D.

18. Unit cost of education for each course in the Department:

B. Sc. (HS) Semester I Rs. 19,220, B. Sc. (HS) Semester II Rs. 4020

M.Sc. (H) Semester I Rs. 23,220, M.Sc. (H) Semester II Rs. 7,020

M.Sc. (H) Semester III Rs. 5,020, M.Sc. (HS) Semester I Rs. 20,420

M.Sc. (HS) Semester III Rs. 5,020

19. Increase in the infrastructural facilities in the Department: A Computer Laboratory with 15 computers has been set up under DST- FIST GRANT. After merger of Centre of Genetic Disorders with the Department of Human Genetics the instrument facilities of the combined department has been augmented. Some more equipment i.e. Real Time PCR, -80°C Deep Freezer and Spectrophotometer are to be procured from the recently sanctioned DST FIST grant (2010-2015).

20. Technology up gradation: The existing equipments and computers in the department are upgraded as per the availability and the resources available from time to time.
21. Activities and support from Parent-Teacher Association: Department does not have Parent-Teacher Association but a telephonic contact is maintained by Head of Department with parents of students as and when required.
22. Activities of the Guidance and counselling unit: There is a departmental Anti- ragging committee but there is no separate Guidance and counselling unit. The department has a Society of Human Genetics with Head of the department as Mentor, a teacher as Society incharge and all faculty members and elected student representatives from each class as members. The society Incharge guides the students about placement and related academic activities. The faculty members also interact with students in tutorials as per requirement.
23. Any other relevant information the institution wishes to add:
- Lectures Organized by the Department (2009-2010) – 8
  - Diagnosis Services: Department offers diagnostic services for referral cases of various genetic disorders.
  - Research Achievements of Department: Faculty members are working on the genetics of complex disorders like Diabetes, Cardiovascular diseases, Cancer, Obesity and Eye disorders to create genetic Databases for these disorders which have application in disease diagnosis and prognosis.

#### **Department of Laws**

1. New academic programmes initiated: Nil.
2. Innovations in curricular design & transaction:  
Power Point Presentations (Compulsory for Students)
  - Moot Court Competitions

- Legal Aid Clinic
  - Legal Literacy Camps
  - Participations in Lok Adalats
3. Inter-disciplinary programmes started: Nil
  4. Candidates qualified: NET/SLET/GATE etc.: 5
  5. Total number of seminars/workshops conducted: 2
  6. Research projects: a) Newly implemented 1 b) Completed: completed 2
  7. Patents generated, if any: Nil
  8. New collaborative research programmes: Free Legal Aid Campaign
  9. Research grants received from various agencies: 50000/- from UGC  
Details of research scholars:
    - Mrs. Arneet Kaur (JRF)
    - Mrs. Purnima Khanna (JRF)
    - Ms. Gagandeep Kaur (University Fellowship)
    - Ms. Renu Sharma (IBRD)
  10. Citation index of faculty members and impact factor; Nil
  11. Honours/Awards to the faculty:
    - Dr. Rattan Singh – P.D.F.
    - Dr. Viney Kapoor- P.D.F.
  12. Internal resources generated: Nil
  13. Details of funding/activities from the department getting SAP, COSIST (ASSIST)/DST, FIST etc. : Nil
  14. Teachers/officers newly recruited:
    - Mr. Komal Krishan Mehta
    - Ms. Gunisha Saluja
    - Ms. Rajni Kaushal

- Mrs. Sukhbir Kaur
  - Mrs. Rachna Arora
  - Mrs. Chander Kanta
  - Mrs. Mamta Mehmi
15. Teaching - Non-teaching staff ratio in the department: Teaching: 14 Non-teaching: 6.
  16. Courses in which student assessment of teachers is introduced and the action taken on student feedback: LL.B/LL.M. Feedback in the process
  17. Unit cost of education for each course in the department: Nil
  18. Increase in the infrastructural facilities in the Department: Power Point Projector
  19. Technology upgradation: do
  20. Activities and support from the Parent-Teacher Association: Meeting with parents of a student who is running shortage of lectures etc.
  21. Activities of the Guidance and Counselling unit: Social Services, Free Legal Aid, Legal Literacy Camps.
  22. Any other relevant information, the institution wishes to add: Nil

### **Department of Library and Information Science**

1. New academic programmes initiated (UG and PG) in the Department:  
Pre-Ph.D., a post PG programme has been introduced from the Session 2010-2011.
2. Innovations in curricular design and transaction: Existing syllabi for UG and PG courses are strictly as per the UGC (NET) syllabus. Keeping in view tremendous advancements in IT sector, the syllabi are revised annually and emerging concepts and trends are incorporated in it.
3. Inter-disciplinary programmes started: NA
4. Candidates qualified NET/SLET/GATE etc.: Session 2009/10 -2
5. Total number of seminars/workshops conducted: Nil
6. Research Projects:
  - a) Newly implemented
    - Impact of electronic journals on university libraries and academic attitude towards their use and scholarly Communication: A study with reference to the universities of Punjab and Chandigarh.
    - University Investment in the library: What is the return? A Case study at Guru Nanak Dev University. Amritsar.
  - b) Completed: Information Services in the Agricultural Libraries of India.
7. Patents generated, if any:-NA
8. New Collaborative research programmes: NA
9. Research grants received from various agencies: Rs 3,81,000/- from UGC and 75000/- from Research Grant of the University.
10. Details of research scholars: 8 Research Scholars are pursuing their Ph.D. at present
11. Citation index of faculty members and impact factor- The faculty members are publishing their articles in peer reviewed journals of high impact factor.
12. Honors/ Awards to the faculty: 2 National awards and one life time achievement award.
13. Internal resources generated: Nil
14. Details of Funding/activities from the department getting SAP, CONSIST(ASSIST)/DST FIST, etc- Nil

15. Teachers/officers newly recruited  
One Lecturer (Contractual basis for the session 2010-2011)
16. Teaching-Non Teaching staff ratio in the Department: 3:4
17. Course in which student assessment of teachers is introduced and the action taken on student feedback:- Student assessment has been introduced in UG and PG Classes and efforts are being made to plug in the gaps pointed out by the students
18. Unit cost of education for each course in the department: 3929 for each course.
19. Increase in the infrastructural facilities in the department & Technology up gradation: 5 PCs, 5UPS, 5 Computer Tables and 5 Computer Chairs have been purchased.
20. Activities and support from the Parent-Teacher Association: Parents are regularly informed about the punctuality, performance and regularity of their wards. In case of any problem, co-operation from the parents is solicited.
21. Activities of the Guidance and Counselling unit: Services of the Guidance and Counselling units are regularly solicited by students and the faculty
22. Any other relevant information the institution wishes to add: The courses offered by the department are purely professional and hence the placement is 100%.
23. Any other relevant information the institution wishes to add: Nil

### Department of Lifelong Learning

As per U.G.C guidelines, the Department of Lifelong Learning (formerly known as Deptt. of Adult, Continuing Education & Extension) is planning, co-ordinating and implementing the programmes for the benefit of the society under the non-formal system of Education. The benefit of knowledge has to be the right of every individual in the society so that balanced sustainable development takes place and there is a considerable improvement in the quality of life of people at the grass-root level through the use of this knowledge for enhancing employability of the individual. To achieve this objective besides conducting various short-term courses, awareness programmes and orientation programme etc., the Department also extends the knowledge and material resources of the institution to the community by organizing various Certificate/Diploma Courses.

#### CONTINUING EDUCATION (SELF-FINANCED)

Skill development courses are offered on self-financed basis for creating self employment opportunities. Most of the courses are for those men/women who could not go for higher education and did not have any other avenues open for them. These courses have certainly helped in empowering the women so that they can earn for themselves. During the session 2009-2010, the following courses have been conducted as per the needs of the local population, at the university campus.

Courses	Year of Commencement	Duration	No. of seats	No. of students passed till 2010	No. of admitted students 2010-11
Certificate in Dress Designing & Cutting & Tailoring	1995	One Year	160	611	121
Diploma in Textile Designing.	2000	One Year	40	127	23
Diploma in Cosmetology	2006	One Year	40	52	31
Diploma in Computer Hardware Maintenance	2006	One Year	100	79	103

Diploma in Computer Applications	2007	One Year	60	47	68
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Gurdaspur is an educationally backward district. In order to supplement the low levels of education, especially among the females of the rural belt of this district, the certificate course in Dress Designing Cutting & Tailoring was started in the year 2002 at the already operational Regional Campus of the University. Since the Gurdaspur District also falls in the border belt, this center is being extensively used to provide various extension services to the people of this area. In order to cater the demand and to make the youth of this area employable the Department started the Diploma in Computer Hardware Maintenance from the session 2010-11 with the intake of 50 boys.

Courses	Year of Commencement	Duration	No. of seats	No. of students passed till 2010	No. of admitted students 2010-11
Certificate in Dress Designing Cutting & Tailoring (Regional Campus, Gurdaspur)	2003	One Year	70	134	21
Diploma in Computer Hardware Maintenance	2010	One Year	80	---	52

In order to extend the vocational education to the rural areas of Punjab and to make the youth of these areas self-reliant the University took the initiative of starting the Certificate Course of Dress Designing Cutting & Tailoring for the 10<sup>th</sup> Pass girls at Amardeep Singh Shergill Memorial College, Mukandpur from the session 2010-11 with the intake of 40 girls.

Course	Duration	Total no. of seats 2010-11	No. of admitted students 2010-11	Men/women
Certificate Course in Dress Designing Cutting & Tailoring	One year	40	23	Women

#### **CENTRAL JAIL, AMRITSAR**

Central Jail, renamed as 'Sudhar Ghar' is an institution where some unfortunate people of our society land up because of various reasons, leaving their families behind and professions in between. They spend a variable period of time here. In an endeavour to reform them and to make them useful citizens of the society when they go out of the 'Sudhar Ghar', they are usually

provided with some vocational training. These vocational training courses have been rather traditional and are losing their significance over a period of time. Keeping in view this fact and changing needs of the society, the following certificates courses were started at Central Jail, Amritsar

1. Course in Electronics & T.V. Maintenance & Servicing
2. Computer Course (Basic concepts)
3. Cutting & Tailoring

The faculty and the equipment required for these courses is provided by the University through the Deptt. of lifelong Learning. After the successful completion, the inmates are awarded the certificates by the University.

S. No.	Name of the Course	Duration of The Course	Commencement of the Course	No. of students passed from June, 2006 till 2010	No. of admitted students 2010-11
1.	Course in Electronics & T.V. Maintenance & Servicing	Six Months	August, 2006	168	24
2.	Computer Course (Basics Concepts)	-do-	-do-	138	24
3.	Course in Cutting & Tailoring	-do-	October, 2006	117	21

#### **PROJECTS UNDERTAKEN BY THE DEPARTMENT**

The Department can serve its purposes better, if it is aware of the ground realities of the society. For this purpose, the Department has conducted the projects on Drug Addiction, issues of rural education and also published books on these issues.

#### **COFERENCES/WORKSHOPS/SEMINARS**

- The Department organized a workshop entitled Generating Awareness about Contemporary Social Problems and Adult Education was organized by the Department in the year 2009.
- A seminar Indo-US Relations on the educational opportunities for the Higher Studies in US was also organized on 14 September, 2009.

The Department hosts exhibition of the exhibits/material prepared by the students of the Department every year as a regular feature in which the general public visits the exhibition and appreciates the work done by the students under the able guidance of their teachers.

#### **Orientation/Training Programmes:**

The major responsibility of the Department is to provide the latest vocational training to the students of the Department. Since, the things are changing very fast in every field; it is pertinent for the faculty to keep themselves abreast with the latest happenings in their respective field so as to provide latest vocational education to the students. Keeping this view in mind, the Department organized a one month Orientation Programme in Personality Development was organized from 24 February to 26 March, 2009 for all the students of the Department.

#### **Awareness Programmes:**

The Department in collaboration with the N.S.S. Department of the University and various colleges affiliated to the university conducted several awareness programmes as per the details given below to spread the awareness about various social evils among the people

Sr. No.	College	Dates	Nature of activities	Issues Discussed
1.	Sant Hira Das Kanya Maha Vidyalaya, Kala Sangian ( Kapurthala)	Feb-March. 2009	Discussion	(a) Drug Addiction (b) Smoking and Drinking (c) AIDS (d) Dowry System (e) Women empowerment (f) Tree Plantation (g) Poster making competition on environment population (h) Smoking and Drinking
2.	Shanti Devi Arya Mahila SDAMCollege Dinanagar.	February, 2009	Chetna Rally	(a) AIDS (b) Drug Addiction (c) Female Foeticide (d) Environmental Pollution (e) Water Conservation (f) Women empowerment
3.	G.N.D.U. Regional Campus Gurdaspur.	Feb-March, 2009	Discussion	(a) Drug Addiction (b) Smoking and Drinking (c) Women Empowerment (d) AIDS
4.	R.R. Bawa D.A.V. College for Girls Batala	Feb-March 2009	Seminar,	Drug Addiction and Smoking

5.	Mata Ganga Girls College Tarn Taran	Feb-March 2009	Seminar Rally	(a) Women Empowerment (b) Female Foeticide Drug Addiction, Smoking and Drinking
6.	Amardeep Singh Shergill Memorial College, Mukandpur	Feb-March 2009	Lecturer Jan- Chetna Camp	(a) Women Empowerment (b) Female Foeticide

**Department of Mathematics**

1. New academic programmes initiated (UG & PG) in the Department: Nil.
2. Innovations in curricular design and transaction: Revised the course curriculum.
3. Inter-disciplinary programmes started: Nil.
4. Candidates qualified: NET/SLET/GATE etc.: 03.
5. Total number of seminars/workshops conducted: Nil.
6. Research projects:
  - Newly implemented:
    - i. Certain Problems on Wavelet and Gabor Analysis. (2009-2012) (Dr. Pammy Manchanda).
    - ii. Statistical Inference under Order Restrictions. (2009-2012) (Dr. Parminder Singh).
    - iii. Measure of Information and their Applications to study various Optimization Principles (2008-2011) (Dr. Om Parkash)
  - Completed:
    - i. Approximation and Fixed Points in Abstract Spaces (2005-2009) (Dr. T. D. Narang).
7. Patents generated, if any: Nil.
8. New collaborative research programmes: Nil
9. Research grants received from various agencies:

PI/Co-I	Funding Agency	Amount (Rs.)	Period
Dr. Pammy Manchanda	UGC	6.83 lacs	Three years
Dr. Parminder Singh	UGC	7.26 lacs	2007-2010

10. Details of research scholars: 05
11. Citation index of faculty members and impact Factors:  
Some of the research articles published by the faculty members appeared in the Journals having impact factor 2.4, 1.638, 0.725, 0.536, 0.406, 0.386.
12. Honors/Awards to the faculty:
  - Dr. T. D. Narang. Nominated by American Biographical Institute, North Carolina, U.S.A., to receive GOLD MEDAL for India, 2009.
  - Dr. Om Parkash. Bestowed with the award of excellence for the year 2009 by the Indian Society of Information Theory and Applications (ISITA) for contribution to the field of Information Theory.
13. Internal resources generated: NIL
14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST) /DST/FIST, etc. NIL
15. Teachers/officers newly recruited: 01
16. Teaching – Non-teaching staff ratio in the Department: 8:3.
17. Courses in which student assessment of teachers is introduced and the action taken on student Feedback: N/A
18. Unit cost of education for each course in the Department: not determined.
19. Increase in the infrastructural facilities in the Department: Established Computer Laboratory
20. Technology upgradation: 09 Computers and 2 Printers added in the computer laboratory.
21. Activities and support from the Parent- Teacher Association: No.
22. Activities of the Guidance and Counselling unit: Nil
23. Any other relevant information the institution wishes to add: Nil

### **Department of Molecular Biology and Biochemistry**

1. New academic programmes initiated (UG and PG) in the Department:  
The Department has switched over from M.Sc. in Molecular Biology and Biochemistry to M.Sc. (Hons.) in Molecular Biology and Biochemistry.
2. Innovations in curricular design and transaction:
  - a. The courses of teaching are upgraded periodically and there is almost 25% sharing of courses with other Life Sciences Departments
  - b. Seminars on Current Topics
  - c. Special Papers
  - d. In M.Sc. (Hons) Research Project report is an integrated part of curricula.
3. Inter-disciplinary programmes started:  
The following interdisciplinary courses taught in common within the Life Sciences Departments are: Concepts of Immunology, Computers and Bioinformatics and Biostatistics.
4. Candidates qualified: NET/SLET/GATE etc.: 02
5. Total number of seminars/ workshops conducted:  
Dr. Harindarpal Singh Gill, an eminent young scientist and Director of the PEPCC Laboratory in Department of Physiology and Biophysiology, Case Western Reserve University School of Medicine, Cleveland, OH, USA delivered a seminar on “Crystal structure of the cytoplasmic domain of the sodium-bicarbonate co-transporter”
6. Research projects: a) Newly implemented and b) completed:

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency	Period
Dr. P.K. Sehajpal	Analysis of genetic determinants of T2DM and their role in the susceptibility in some north west Indian population groups.	7.80 lakhs	DBT	2007-10
Dr. Sukhdev Singh Coordinator	DST FIST programme 2008 to strengthen post graduate teaching research facilities	60.0 lakhs	DBT	2009-13

7. Patents generated, if any: NA

8. New collaborative research programmes:

The faculty members interact/collaborate with various National/International institutes for research such as:

- Institute of Microbial Technology (IMTECH), Chandigarh.
- Institute of Himalayan Bioresource Technology (IHBT), Palampur.
- Indian Institute of Integrative Medicine (IIIM), Jammu
- Himachal Pradesh University, Shimla.
- University of Cornell, Cornell USA

9. Research grants received from various agencies:

FIST (Department of Science and Technology) - 60 Lakhs

10. Details of research scholars: 08

11. Citation index of faculty members and impact factor: Average Impact Factor – 2.13

12. Honors/Awards to the faculty:

Dr. Sukhdev Singh Professor & Head Department of Molecular Biology and Biochemistry	<ul style="list-style-type: none"> <li>• Worked as Deputy Coordinator for DRS for Life Sciences under SAP (UGC)</li> <li>• Life member Punjab Academy of Sciences</li> <li>• Life member of Society of Microbiologists of India</li> <li>• Coordinator of UGC, DST and DBT funded projects</li> </ul>
Dr. P.K. Sehajpal Professor Department of Molecular	<ul style="list-style-type: none"> <li>• Honorary fellowship of Punjab Academy of Sciences</li> </ul>

Biology and Biochemistry	
Dr. Jatinder Singh Professor Department of Molecular Biology and Biochemistry	<ul style="list-style-type: none"> <li>• Coordinator of UGC, DST and DBT funded projects</li> </ul>

13. Internal resources generated: N.A.
14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST)/DST, FIST, etc.  
FIST by Department of Science and Technology, New Delhi – 60 Lakhs
15. Teachers/ officers newly recruited: 01
16. Teaching-Non-teaching staff ratio in the Department: 1:1
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback:  
Student assessment of teachers has started w.e.f. the academic session 2010-11.
18. Unit cost of education from each course in the department: not determined
19. Increase in the infrastructural facilities in the Department:  
New equipment purchased are: Spectrophotometer, Vertical Autoclave, Ultra Pure Water System, Freeze Dryer, Carbon Dioxide Incubator
20. Technology upgradation: nil
21. Activities and support from the Parent-Teacher Association: nil
22. Activities of the Guidance and Counselling unit: nil
23. Any other relevant information the institution wishes to add: nil

### **Department of Microbiology**

17. New academic programmes initiated (UG and PG) in the Department:  
M.Sc. (Microbiology), M. Sc. (Hons.) fermentation & Microbial Technology.
18. Innovations in curricular design and transaction:
  - Students have hands-on-training in fully equipped and sophisticated research labs with state of art minor equipments such as UV-vis spectrophotometer, refrigerated centrifuges, light mounted microscopes, tissue culture facilities.
  - Modern class rooms fitted with multimedia projectors and power point presentation facilities along with internet connectivity make the teaching highly useful and demonstrative benefits to the students.
  - Teaching labs maintained to cater to needs of post graduate students for day to day practical work as per the course curricula.
  - The department has limited no. of computers and internet facility to keep abreast with the latest developments in life sciences.
19. Inter-disciplinary programmes started: The following interdisciplinary courses are common within the life science department.
  - Interdisciplinary approach
  - Concepts of immunology
  - Computers and Bioinformatics

- Biostatistics

Continuous upgradation:

- The course of teaching is upgraded periodically and there is almost 25% sharing of courses with other Life Sciences department.
- Seminars on current topics
- Special papers
- In M. Sc. (Hons.), Research project report is an integrated part of curricula.

20. Candidates qualified: Nil
21. Total number of seminars/workshops conducted: 1
22. Research projects: 2
23. Patents generated, if any: Nil
24. New collaborative research programmes: The faculty members interact/collaborate with various National/International institutes for research such as:
  - National Institute of Immunology, New Delhi
  - Institute of Microbial Technology (IMTECH), Chandigarh
  - Institute of Himalayan Bioresource Technology (IHBT), Palampur
  - Indian Institute of Integrative Medicine (IIIM), Jammu
  - Himachal Pradesh University, Shimla
25. Research grants received from various agencies: UGC (SAP): 26.40 lac
26. Details of research scholars: 15, Project assistant: 04
27. Citation index of faculty members and impact factor: Average impact factor: 2-30
28. Honours/Awards to the faculty: Nil
29. Internal resources generated: Nil
30. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST) DST, FIST, etc. UGC- SAP, DRS-II: 60 lac
31. Teachers/officers newly recruited: Mrs. Inderdeep Kaur (Contact) July 2010 till 31<sup>st</sup> 2011
32. Teaching-Non-teaching staff ratio in the Department: 1:1
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Student assessment of teachers has started w.e.f. the academic session 2010-2011.
24. Unit cost of education for each course in the department: Nil
25. Increase in the infrastructural facilities in the Department:
  - Spectrophotometer
  - Vertical Autoclave
  - Ultra Pure Water System

- Freezer Dryer
  - Carbon Dioxide Incubator
  - HPLC
26. Technology upgradation: Nil
  27. Activities and support from the Parent-Teacher Association: Nil
  28. Activities of the Guidance and Counselling unit: Nil
  29. Any other relevant information the institution wishes to add: Available from department

### **Department of Music**

33. New academic programmes initiated (UG and PG) in the Department: Music, Science & Technology
34. Innovations in curricular design and transaction: To impart a systematic training of Hindustani classical music (Theoretical and Applied), its relation with other audio-visual performing arts, religion and other sciences. Keeping in mind modern trends, technological training related to music is also part of the syllabi.
35. Inter-disciplinary programmes started: Music with Physics, Literature, Fine Arts, Yoga & Religion
36. Candidates qualified: NET/SLET/GATE: 3
37. Total number of seminars/workshops conducted: 1
38. Research projects: Nil
39. Patents generated, if any: Copyrights of seven original music compositions & 31 creative writings taken by the faculty member Tejinder Gulati
40. New collaborative research programmes: Music & School of Punjabi Studies
41. Research grants received from various agencies: Nil
42. Details of research scholars: Ph.D 8, M.Phil 16.
43. Citation index of faculty members and impact factor:

- Research work of Dr. Bhagwant Kaur cited by Kamaljit Kaur , Namita Sharma & Yogesh Sharma etc. for Ph.D
  - Research work of Miss Tejinder Gulati cited by Sandeep Kumar
  - Creative work of Miss Tejinder Gulati cited by Shaheen for Ph.D at Multan, Pakistan.
44. Honours/Awards to the faculty:
- Miss Tejinder Gulati Honoured by Jagran Publication 2009.
  - The Doctor of Philosophy Degree awarded to Mr. Rajesh Sharma on March 20, 2010
45. Internal resources generated: Yes by organizing workshop
46. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST) DST, FIST, etc. UGC- SAP, DRS-II: Nil
47. Teachers/officers newly recruited: Nil
48. Teaching-Non-teaching staff ratio in the Department: 3:2
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback:
- M. A. Vocal & Instrumental
  - M. Phil Vocal & Instrumental.
30. Unit cost of education for each course in the department: Nil
31. Increase in the infrastructural facilities in the Department: One computer for teacher with complete accessories, Electronic & music instrumental
32. Technology upgradation: Multimedia infrastructure
33. Activities and support from the Parent-Teacher Association: Nil
34. Activities of the Guidance and Counselling unit: Timely guidance & counselling help is provided to the students.
35. Any other relevant information the institution wishes to add: Because it's a Faculty of Visual & Performing Art. Teachers & Students have performed at different levels in the field of classical as well as light music for example on Sony TV , Zee TV, ETC, Sahara, Fida Channel, D D Punjabi, MH-I etc.& in traditional prestigious classical concerts.

### **Department of Pharmaceutical Sciences**

1. New academic programmes initiated in the department:

The department has introduced Masters of Pharmacy in three more specializations (Pharmacology, Pharmaceutics and Pharmacognosy) apart from already available branch of Pharmaceutical Chemistry.

2. Innovations in curricular design and transaction:

The department has adopted CREDIT BASED CONTINUOUS EVALUATION GRADING SYSTEM in both Bachelor and Masters of Pharmacy courses.

3. Inter-disciplinary programmes started:

The department has floated many Pre-PhD courses that are widely acceptable to PhD students from basic, applied and life sciences.

4. Candidates qualified NET/SLET/GATE etc:

The department has around 10 candidates that have cleared GPAT (Graduate Pharmacy Aptitude Test) conducted at national level for admission to M. Pharmacy course.

5. Total number of seminars/workshops conducted: Nil

6. Research projects: newly implemented/completed: Nil
7. Patents generated: Nil
8. New collaborative research Programmes: Nil
9. Research grant received from various agencies: Nil
10. Details of research scholars:  
Research scholars enrolled/registered: 10
11. Citation index of faculty members and impact factor:  
The faculty members have earned total 111 publications with combined impact factor around 180 and total 630 citations of their publications.
12. Honors/award for the faculty: Royal Society fellowship, U.K
13. Internal resources generated: Nil
14. Details of grant from DST/FIST/SAP etc.: Nil
15. Teachers/ officers newly recruited:  
3 new faculty members have been recruited with Pharmaceutics (one) and Pharmaceutical Chemistry (two) as specializations.
16. Teaching/Non teaching staff ratio in the department.  
The teaching: non-teaching staff ratio in the department is 1:1.
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback  
The student assessment of teachers has been successfully implemented in both Bachelor and Masters Courses in Pharmacy being run by the department and appropriate action have been taken on student feedback.
18. Unit cost of education for each course in the department: Nil
19. Increase in infrastructural facilities in the department:  
2 laboratories and 1 lecture room has been raised to cope up with increased student strength in M. Pharmacy course.

20. Technology up-gradation: Nil
21. Activities and support from Parents teachers association: Nil
22. Activities of the guidance and counselling unit:  

The faculty members are actively involved in student counselling and guidance regarding pursuance of higher studies and job opportunities in the Pharmaceutical Industry and Academia. The Department has observed 100 percent placement so far.
23. Any other information that institute wishes to add:  

The department has published 26 papers and 23 conferences/national seminars have been chaired/ attended by the faculty members of the department.

### **Department of Physiotherapy**

1. New academic programmes initiated (UG & PG) in the department:  

Department introduced the following PG courses:

Masters in Exercise Physiology and Nutrition (2009-2010)

Masters in Hospital Administration (2009-2010)

Masters in Sports Psychology (2010-2011)
2. Innovations in curricular design and transaction: All the Master level courses i.e., Masters in Sports Physiotherapy, Masters in Sports Physiotherapy (Hons), Masters in Exercise Physiology and Nutrition, Masters in Hospital Administration and Masters in Sports Psychology have been designed according to the Credit Based Continuous Evaluation System.
3. Inter-disciplinary programmes started: Nil
4. Candidates qualified: NET/ SLET/ GATE etc.: Nil
5. Total number of seminars/workshop conducted:

a) Department organized the 12th Asian Federation of Sports Medicine Congress from 3-6 Dec 2009, the first international sports medicine congress in India. More than 1600 delegates from India, over 46 Asian countries and from Austria, Brazil, Belgium, Nigeria, New Zealand, Poland, South Africa, Sweden, U.K. and U.S.A participated, of which over 200 delegates were from abroad and from member Asian countries and office bearers of International Federation of Sports Medicine. During this congress, two-day pre-congress courses were held from 3<sup>rd</sup>-4<sup>th</sup> December, 2009 followed by symposia's from 5<sup>th</sup> -6<sup>th</sup> December,2009.It included specifically designed internationally accredited courses and workshops for doctors ,physiotherapists and other professionals on wide range of topics pertaining to sports medicine, exercise physiology, rehabilitation ,sports nutrition, Kinanthropometry, sports psychology etc to provide and disseminate the scientific research on a common platform.

The various pre-congress courses were:

- AFSM Hand Surgery Workshop
- AFSM Knee Arthroscopy Workshop
- AFSM Team Physician Development Course
- AFSM Sports Rehabilitation Course
- AFSM Kinesiological taping and Mulligan's Course
- AFSM Anti-Doping Course
- AFSM Exercise Physiology and Kinesiological EMG in Rehabilitation Course
- AFSM Practical Sports Psychology Course.

6. Research projects: a) newly implemented and b) completed

a) Nil

b) Caffeine: Time and dose related effects on physiological, physical and psychological performance parameters.

7. Patents generated, if any: Nil

8. New collaborative research programmes:

Department has MoU with the following Universities abroad for research and faculty exchange:

1. Post Graduate Institute of Medicine, University of Colombo.
  2. Bloomsburg University, Pennsylvania, USA.
  3. Human Performance Lab, University of Graz, Austria.
  4. Karl Franzens Medical University, Graz, Austria.
  5. Universiti Sains Malaysia, Malaysia.
9. Research grants received from various agencies: Nil
10. Details of research scholars:
- Deepak Kumar
  - Iftikar Ali Ahmed
  - Jasobanta Sethi
  - T.R. Nand Kumar
  - K. Parveen Kumar
  - Ram Prasad
  - Kamal Jankiraman
  - Archana Khanna
  - Vivek Kumar
  - Vivekanand Upadhyay
  - Sandipan Dassarma
  - Meena Sadana
  - Ruchika Guglani
  - Amrinder Singh
  - Archana Sharma
11. Citation index of faculty members and impact factor: The impact factor ranges from 0.2 to 1.5.
12. Honors/ awards to the faculty:

Prof. Dr. Jaspal Singh Sandhu, Dean and Head of the Department have received the following honours and awards from various prestigious national and international organizations:

- Executive Board Member, Asian Federation of Sports Medicine.
- Member, Scientific Commission, Asian Federation of Sports Medicine.
- Member, Education Commission, International Federation of Sports Medicine.
- Founder Member, Asia-Australasia-Africa Alliance of Sports Medicine.
- OED Scholar to Universities of Salzburg, Vienna, Graz.
- Member, Medical Commission, Indian Olympic Association.
- Member, Board of Specialty in Sports Medicine, Medical Council of India.
- Member, Institutional Ethics Committee, National Dope Testing Laboratory, Ministry of Youth Affairs and Sports, Govt. of India.
- International Advisor to the WHO Collaborating Centre for Sports Medicine and Health and Department of Orthopedics and Traumatology, Faculty of Medicine, Chinese University of Hong Kong.
- Member Expert Committee set up by the Government of India for Setting up the Rajiv Gandhi Central University of Sports and Youth, Sriperimbatur, TN.
- Vice President of World Summit of Interdisciplinary Sports Medicine and Athletic Care, Germany, 2011.
- Guest of Honor at 16<sup>th</sup> Asian Games Science Congress, Guanzhou, China 9-12<sup>th</sup> October, 2010.
- Invited Faculty at WAMSMES Symposium on Oct 9-12<sup>th</sup>, 2010 during the SMART Convention 2010, Hong Kong.
- Member Steering Committee, 14<sup>th</sup> Commonwealth International Sports Science Congress 2010, Delhi (NCR), India.

- Expert foreign faculty to the IOC- NOC Sports Medicine Course, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> September 2010. Colombo.
- Invited expert for World Academy of Sports Medicine and Exercise Science (WASMES) brainstorming meeting April 18-20, 2010, Hong Kong.
- Key note address at the Golden Jubilee Celebrations of University of Kalyani, West Bengal.
- Coordinator for Asian Federation of Sports Medicine Team physician Development course and Asian Federation of Sports Medicine Congress, Amritsar, India 3<sup>rd</sup> – 4<sup>th</sup> December, 2009.
- Guest of Honour at 3<sup>rd</sup> Concluding Pre Commonwealth Games 2010 Sports Sciences Workshop on 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> September, 2010, NSNIS, Patiala.

Dr. Shweta Shenoy, Reader in the Department has received the following honours/ awards in various national and international organizations:

- Invited Speaker for 16<sup>th</sup> Asian Games Science Congress, Guanzhou, China 9-12<sup>th</sup> October, 2010.
- Invited Speaker for WAMSMES Symposium on Oct 9-12th, 2010 during the SMART Convention 2010, Hong Kong.
- Invited Speaker for 14th Commonwealth International Sports Science Congress 2010, Delhi (NCR), India.

#### 13. Internal Resources Generated:

Department generated a total amount of Rs. 95,19,067 /- as fee submitted for courses B.P.T. (I to IV years), M.S.P.T & M.S.P.T (Hons.) (I & III Sem.), M.E.P.N. (I Sem.) and M.H.A. (I Sem.).

#### 14. Details of funding/ activities from the department getting SAP, COSIST (ASSIST)/DST, FIST, etc.:

The department is the nodal part of the 'Centre with Potential for Excellence in Sports Sciences', a University Grant Commission funded project for which Rs 75 lacs has been sanctioned to the department under component 'A' of this project.

15. Teachers/officers newly recruited:

- 1) Archna Sharma (Regular Basis)
- 2) Amrinder Singh (Contractual Basis)
- 3) Kawaljit Kaur (Contractual Basis)
- 4) Mitsushita Doomra (Contractual Basis)

16. Teaching – Non-teaching staff ratio in the department : 2:1

17. Courses in which students assessment of teachers is introduced and the action taken on students feedback:

Masters in Sports Physiotherapy

Masters in Sports Physiotherapy (Hons)

Masters in Exercise Physiology and Nutrition

Masters in Hospital Administration

Bachelor in Physiotherapy

18. Unit of cost of education for each course in the department:

If the salaries of the teaching staff are deducted while calculating the unit cost it comes to be: Rs. 37,777.94

If the salaries of the teaching staff are not deducted while calculating the unit cost it comes to be: Rs. 72,024.93

19. Increase in the infrastructural facilities in the department:

Department shifted to the new building which is constructed under the project “Centre with Potential for Excellence in Sports Sciences” of the University Grants Commission for which Rs. 75 lacs has been sanctioned to the department under component “A” of this project. Department has following well established labs with latest equipments for research work: Human Performance Lab, Neuro-physiology Lab, Kinanthropometry Lab, Sports Psychology Lab, Exercise Physiology Lab , Hydrostatic Under Water Weighing Lab and Bio-chemistry Lab.

20. Technology up-gradation:

a) Department incorporated the following latest equipments in addition to the existing ones for research work:

- 1) 3D Motion Analysis System
- 2) Isokinetic Ankle Foot Exerciser
- 3) Vista Mx (Gold Edition)
- 4) ProComp Biofeedback Apparatus
- 5) Pressure Molding device for mouth guards
- 6) Back Muscle Strength Dynamometer
- 7) Grip Strength Dynamometer
- 8) Harpender Skin fold Caliper
- 9) Jump Meter
- 10) Manual Muscle Tester
- 11) IDEEA Gait System
- 12) Multiple Site Bone Strength Sonometer

b) Department has well-equipped Internet Lab for the students as well as internet facility for the staff.

c) The class rooms are well – equipped with the multi-media projectors for teaching purpose.

21. Activities and support from the parent –teachers association: Department conducts regular parent teacher meetings to inform parents about the performance of their ward and to have their useful inputs.

22. Activities of the guidance and Counselling unit: Faculty in Charge of the respective courses deals with the professional problems of the students as well as counsels them as and when required.

23. Any other relevant information the institution wishes to add:

a) Visiting Fellow: the Fulbright scholar Prof. Sheri Melton from West Chester University, P.A., USA visited the department during the session of July-November, 2009 for research and teaching in the field of Rehabilitation. It was sponsored by the Fulbright-Nehru foundation.

b) Extension activities: The department runs the Sports Medicine Clinic on Tuesdays and Thursdays in the University Health Centre and provides treatment and advice to sports persons of North India along with this it also takes care of the problems related to orthopaedics of the faculty of the university. This clinic provides social humanitarian service to the ailing humanity. The department also runs the Centre of Excellence in Sports physiotherapy for the practical training and research of the students and faculty members. The centre is equipped with the latest machines in physical medicine and provides treatment to Sports persons and faculty members.

The details of the number of patients including sportspersons examined and treated and physiotherapy sittings in the year 2009-2010.

	In the year 2009	In the year 2010 till date
No. of Patients	6793	6492
No. of Sports Persons	1952	1582
No. of Physiotherapy Sittings	23,627	24,627

To give wide orientation, the department has collaboration with Medical College, Amritsar for teaching purpose in the Department of Neurology and Orthopaedics, anatomy, physiology, General Surgery, General Medicine and Psychiatry.

Extension Lectures: The department also conducts lectures for the coaches of sports wing of Punjab Armed Police, Jalandhar.

Medical Cover: The sports physiotherapists of department provide the essential medical cover to the various Sports Centres and Hospitals of Punjab and centres of Sports Authority of India.

Event Cover: In the year 2009-2010, the sports physiotherapists of the department have been deputed to provide the medical cover at various state level and national level games like:

1. Lt. Governor Gold Cup Football Championship-2009 held at New Delhi.
2. Inter Zone Handball Championship- 2009 held at Ludhiana, Punjab.
3. Punjab State Super Football League-2009 held at (Jalandhar, Malpur), Punjab
4. District Swimming Championship, Aug, 2009, Jalandhar, Punjab.
5. 39<sup>th</sup> Senior Punjab State Men & Women Swimming & Water Polo Championship 2009 held at Sangrur, Punjab.
6. Punjab Police Football Super League 2009, PAP Headquarters, Jalandhar, Punjab.
7. District Swimming Championship Sports School Swimming Pool, Aug 2009, PAP, Jalandhar, Punjab.
8. 3<sup>rd</sup> All India Police Sports (shooting) championship, Oct, 2009, PAP Headquarters, Jalandhar, Punjab.
9. Shaheed Bhagat Singh International Wrestling Tournament PAP Indoor Stadium, Punjab.
10. National Shooting Championship, Nov, 2009, PAP Shooting Range, Jalandhar, Punjab.
11. Surjit Singh Hockey Gold Cup, Nov, 2009, Surjit Singh Hockey Academy, Jalandhar, Punjab.
12. Punjab Police Football League 2010-11-10, Garhshankar, Hoshiarpur, Punjab.
13. Punjab Police Football Super League, Sep, 2010, BSF, Hoshiarpur, PAP, Kapurthala, Phagwara, CRPF Football Club- Jalandhar, Punjab.

14. All India Governors' Gold Cup Football, Oct, 2010, Tournament, Palijor Stadium, Gangtok, Sikkim.

15. Department provided the medical cover during XIX Commonwealth Games 2010, Delhi.

c) Journal: The department publishes the Journal of Sports Traumatology and Allied Sports Sciences, the official organ of Indian Association of Sports Medicine (IASM) affiliated to International Federation of Sports Medicine (FIMS). It is an annual publication.

### **Department of Physical Education (Allied Teaching)**

In the field of sports, Guru Nanak Dev University is rated as the "Top University" amongst 362 universities in the country. The unparalleled achievement of Guru Nanak Dev University in sports is due largely to its sportspersons, training, administration. University has won various trophies instituted by the Government of India and Association of Indian Universities (AIU).

Out of 35 years of its actual participation, GNDU has won India's coveted Maulana Abul Kalam Azad Trophy for 21 times, and attained runners-up and third positions 12 and 2 times, respectively. Osmania University Platinum Jubilee Trophy also instituted by the Association of Indian Universities, New Delhi in 1995-96 has been secured by this University for 8 times and remained runners-up and third once each. Likewise, Dr. B. L. Gupta Championship instituted by AIU has been won by GNDU 14 times and got runners up position 6 times and remained third for 5 times. Kridamaharishi Shri Meghnath Negeskar Trophy has been won by GNDU 7 times, remained runners-up two times and third once.

For the year 2009-10, the MAKA Trophy was awarded to Guru Nanak Dev University from by the President of India on 29<sup>th</sup> August 2010 at Rashtrapati Bhawan, New Delhi.

The performance of Guru Nanak Dev University Teams (M & W) in the All- India Inter-University Tournaments for the years 2009 and 2010 is tabulated below:

Sr. No.	Year	Position Secured				
		Winner	Runners-up	Third	Fourth	Total
10	2008-2009	6	6	5	2	19
11	2009-2010	12	11	5	4	32

Positions secured in All India Inter-University Championships for both men and women for the year 2009-10 are tabulated below.

Men Section			
	Winner	Runners-up	Third
1	Football	Hockey	Gymnastics
2	Water Polo	Judo	Kayaking
3	Wt. Lifting	Canoeing	
4	Power Lifting	Archery	
5	Best Physique	Swimming	
6	Softball	Korfball	
7	Rowing	Netball	
8	Athletics		
Women Section			
	Winner	Runners-up	Third
1	Softball	Wt. Lifting	Rhythmic Gym.
2	Power Lifting	Gymnastics	Cycling
3	Rowing	Archery	Netball
4	Kayaking	Korfball	

In the Inter-University tournaments held in 2009-2010, Guru Nanak Dev University has got the following positions

1	Cycling (M)	All India Winner
2	Cycling (W)	All India Winner
3	Wt. Lifting (W)	All India Winner
4	Wt. Lifting (M)	All India Winner
5	Netball (W)	All India Runners-up
6	Water Polo (M)	All India Runners-up
7	Wt. Lifting (W)	All India Runners-up
8	Netball (M)	All India Third
9	Gymnastics (W)	All India Third

#### **Department of Physical Education (Teaching)**

1. New academic programmes initiated (UG and PG) in the Department:

D.P.Ed (Two Year) and Post Graduate Diploma in Yoga

2. Innovations in curricular design & transaction: Syllabi of courses has been revised and updated with the help of external experts.

3. Inter-disciplinary programmes started: Students often extends their services to the university sports department during various Inter-College and Inter-University tournament.

4. Candidates qualified: NET/SLET/GATE etc.: Nil

5. Total number of seminars/workshops conducted: 01

6. Research projects: 2

- “Effect of selected Asanas in Hatha Yoga on Peak Exploratory Flow Rate, Vital capacity and Reduction time.” (minor research project sanctioned)
  - “Achievement Orientation, Social Intelligence and Adjustment among University Level Individual and Team Athletes.” (minor research project submitted)
7. Patents generated, if any: Nil.
  8. New collaborative research programmes: Sports department in “centre of Excellence in Sport Sciences”
  9. Research grants received from various agencies: Nil
  10. Details of research scholars: 15
    - a) Registered 13      b) Enrolled 2
  11. Citation index of faculty members and impact factor: Nil
  12. Honours/Awards to the faculty:
    - Dr. Sukhdev Singh selected to participate in 16<sup>th</sup> Asian Athletic Championship to be held at kuala-lampur (Malaysia).
    - Dr. Baljinder Singh Bal’s paper titled “Effects of selected asana in hatha Yoga on agility and flexibility level” was selected the 3<sup>rd</sup> best article in 1<sup>st</sup> JSHR 2009.
  13. Internal resources generated: Nil
  14. Details of funding/activities from the department getting SAP, COSIST (ASSIST)/DST, FIST etc. : Nil
  15. Teachers/officers newly recruited: 2 Lecturer
  16. Teaching - Non-teaching staff ratio in the department: 7 : 4
  17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Introduced in B.P.Ed and M.P.Ed.
  18. Unit cost of education for each course in the department: Not provided
  19. Increase in the infrastructural facilities in the Department: Department shifted to new building.

20. Technology upgradation: Digital Spiro meter and Anthropometric Kit
21. Activities and support from the Parent-Teacher Association: Constant remains in touch with parents.
22. Activities of the Guidance and Counselling unit: Nil
23. Any other relevant information, the institution wishes to add: 42 students have participated in various Inter-University/National/International Championships and made contribution in winning the prestigious MAKKA Trophy.

#### **Department of Physics**

1. New academic programmes initiated (UG and PG) in the Department:  
M.Sc. Physics (Nano-Science & Technology) & M.Sc. Physics (Electronics) (wef 2011)
2. Innovations in curricular design and transaction: Syllabus is upgraded from time to time

3. Inter-disciplinary programmes started: Nil
4. Candidates qualified: NET/SLET/GATE etc.: GATE: 03
5. Total number of seminars/workshops conducted: 03
  - International level Workshop on Molecular/Organic Electronic Devices (MOED - 2009):
  - 16<sup>th</sup> National Symposium on Solid State Nuclear Track Detector and their applications (SSNTD-16)
  - PAC meeting of DST going to be held in Dec-2010
6. Research projects newly implemented and completed (in last five years):

<b><u>Professor Surinder Singh</u></b>				
<b>S. No.</b>	<b>Project Title</b>	<b>Funding agency</b>	<b>Duration</b>	<b>Amount</b>
1.	Nano/Micro wire synthesis on Semi-Conducting substrate	IUAC (NSC)	2006-2009	3,00,000
2.	The study of electrical optical and Structural properties of irradiated Conducting polymers.	IUAC (NSC)	2006-2009	3,00,000
3.	Fault delineation studies using soil-Gas method as a proxy to characterize Active areas along major and neo-Tectonic fault system in NW Himalayas	DST	2006-2009	4,00,000
<b><u>Professor R.K. Bedi</u></b>				
4.	Design, synthesis and evaluation of photo-responsive poly aromatics films for solar cell applications	CSIR	2010-13	25,00,000
5.	Preparation and Characterization of Silver Indium Selenide films for Device application	IUAC	2007-2009	4,00,000
6.	Phthalocyanine based materials for Molecular electronic devices (with Dr. Aman Mahajan)	CSIR	2007-2010	14,50,000
7.	Swift heavy ion irradiation induced Modification in structural and Electrical properties of TCO films (with Dr. Aman	IUAC	2008-2011	4,00,000

	Mahajan and Dr. Amarjit Singh)			
8.	SHI induced modification in structural, electrical and optical Properties of SnO <sub>2</sub> films (with Dr. Aman Mahajan)	IUAC	2008-2011	4,00,000
9.	Development of Metal oxides based Nanostructured Materials for device Application	BRNS-DAE	2009-2012	22,00,000
<b>Prof. T.S. Gill</b>				
10.	Nonlinear Coherent Wave Structures In Magnetospheric and Ionospheric Plasmas (with Dr. N. P. Singh Saini)	DST	2006-2010	15,85,000
<b>Prof. R. Thangaraj</b>				
11.	Study of Photodoping and Switching Characteristics in Ge-Sb-Te Films for Memory Applications		2009-2012	10,00,000
<b>Prof. S.S. Sekhon</b>				
12.	Ion transport studies on proton conducting polymer gel electrolytes and nanogels	DST	2006--2009	23,00,000
<b>Prof. B. S. Bajwa</b>				
13.	Seismo-Tectonic Studies and Health Risk Assessment in the Himalayas With special Emphasis on Radon and Helium Emission	DST	2005-2009	72,00,000
14.	Variability of indoor Radon & Thoron: exposure to humans and Earthquake prediction (DAAD)	DST	2007-2010	5,00,000
15.	Fault delineation studies soil-gas Method as a proxy to characterize Active tectonic areas along major And neotectonic fault systems in NW Himalayas, India	DST	2007-2010	4,00,000

16.	Analysis of Uranium in water Samples from SW Punjab	BARC	2009-2010	5,00,000
17.	Study of Uranium in different matrices of Punjab	BRNS	2010-2012	77,86,000
<b>Prof. Lakhwant Singh</b>				
18.	Optostructural characterization of Some ion irradiated polymers and their application	IUAC	2006-2008	3,33,000
19.	Swift heavy ion induced modification of Boron Carbonitride (BCN) nanocomposites	IUAC	2006-2008	3,33,000
20.	Swift heavy ion induced modification and Field effect characterization of some polymeric materials	DST	2009-2011	25,00,000
<b>Dr. S.S. Malik, Reader</b>				
21.	Magnetic rotation in mass A=80 Region	UGC	2003-2007	5,00,000
22.	Semi classical Techniques for many body Nuclear system and role of symmetries	DST	2007-2010	8,50,000
<b>Dr. R.C. Singh, Reader</b>				
23.	Quantum computing using nuclear Resonance techniques (with Dr. Arvind)	DST	2005-2007	10,29,000
24.	Preparation of Thin/Thick Film of Nanostructured Metal-Oxide materials and their application as gas sensors	UGC	2009-2012	9,30,800
<b>Dr. D.P. Singh, Reader</b>				
25.	Swift heavy ion induced modifications structural, electrical, magnetic and optical behavior of transition metal doped ZnO dilute magnetic semiconductors.	NSC	2007-2010	3,33,000
<b>Dr. Atul Khanna, Reader</b>				

26.	Low Temperature heat capacity and Raman Spectroscopic studies in oxide glasses	UGC-DAE-CSR	2009-12	4,00,000
<b>Mr. Samarjit Sihotra, Reader</b>				
27.	Pre operative Programme for Indian participation in FAIR Project at GSI, Darmstadt, Germany-Accelerator and Detactor- Related R&D And Prototyping.	DST	2009-2011	40,00,000
<b>Dr. Aman Mahajan, Lecturer</b>				
28.	Design and synthesis of substituted triazoles	DST/Young scientist	2010-13	17,00,000

7. Patents generated, if any: Nil

8. New collaborative research programmes:

Physics department remained an affiliate Member of International Centre for Theoretical physics (ICTP), Trieste, Italy for almost a decade with its faculty members participating in ICTP programmers and even at present having many National and International research collaboration with various universities and research institutions in India and Abroad viz. BARC Mumbai, TIFR Mumbai, IUAC New Delhi, P.U. Chandigarh, CSIO Chandigarh, IIT Roorkee, IPR Ahmdebad, National Centre for Research on Earthquake Engineering (NCREO) Taiwan, Institute of Radiation Protection (GSF) Germany and CERN, Geneva.

9. Research grants received from various agencies:

Sr. No.	Funding Agency	Amount in Lacs

1	DST	245.57
2	BRNS	174.86
3	IUAC	33.30
4	CSIR	14.50
5	UGC	18.30

10. Details of research scholars: 50

11. Citation index of faculty members and impact factor: 1.5 (average).

12. Honors/Awards to the faculty:

- Commonwealth fellowship to Prof. B. S. Bajwa.
- Post-doctoral fellowship to Dr. N. P. S. Saini

13. Internal resources generated: Nil

14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST)/DST. FIST, etc.

UGC- SAP (DRS-I) : 92 Lacs

DST-FIST (2002-2006): 23 Lacs

DST-FIST (2010-2014): 160 Lacs

15. Teachers/ officers newly recruited:

Sr. No.	Name	Designation	Age	Qualification
17.	Dr. Amarjit Singh	Lecturer	36	Ph. D.
18.	Dr. Samarjit Sihotra	Lecturer	30	Ph. D.
19.	Dr. Manu Priya	Lecturer	32	Ph. D.
20.	Dr. K. P. Bhatti	Lecturer	31	Ph. D.
21.	Dr. Aman Mahajan	Lecturer	35	Ph. D.

16. Teaching – Non-teaching staff ratio in the Department: 21/25

17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Student feedback is introduced to all running courses in the department with effect from July, 2010.
18. Unit cost of education for each course in the department:
19. Increase in the infrastructural facilities in the Department:  
Developed following new labs in the previous years
  - Synthesis and characterization lab equipped with various instruments such as XRD, PL, UV-Visible spectrophotometer, etc.
  - Computer lab
20. Technology upgradation: -N/A-
21. Activities and support from the Parent-Teacher Association: nil
22. Activities of the Guidance and Counselling unit: nil
23. Any other relevant information the institution wishes to add: nil

The Placement Department in Guru Nanak Dev University was established in March 1998 to cater to the needs of university students for their placements in various institutions/organizations- both Govt. and Private having National/International reputation.

The Department is a centralized facility to assist the placement of the students in all the 3 regional campuses i.e. Amritsar, Jalandhar & Gurdaspur and Amardeep Singh Shergill Memorial (ASSM) College, Mukandpur. It looks after academic and career counselling of students and organizes seminars, workshops and industrial training relating to job openings in various sectors. During recruitment drives the entire logistic requirements are taken care by the Placement Department.

In Academic Year 2009-2010 the major activities of Placement Department have been as under:

1. **Communication with potential employers:**

It establishes advance communication with prospective employers and arranges their visit to the campus for direct recruitment of our students from various professional courses. List of courses attached is available on request.

2. **Campus Placements:**

Since its inception in 1998, a large number of students have been placed in various reputed multinational companies at very handsome salaries. High profile companies like TCS, Wipro, Amdocs, Accenture, L & T, Cognizant, CMC, DCM, Vardhman, Panacea Biotech, Ranbaxy, ICICI Bank, HDFC Bank etc. visit our campus regularly for recruitment. The highest salary package offered was Rs. 9.00 lacs per annum by Trident and the average salary for various streams was Rs. 2.60 lacs per annum. Detailed placement Profiles of Batch 2009 and Batch 2010 are available on request.

3. **Workshops / Seminars / Guest Lectures Organized**

- (i) Mr. Suresh Tiwari, Director HR, Eli Lilly visited campus under Industry Interface Programme on 12<sup>th</sup> November, 2009 and delivered lecture for the 2011 & 2012 batch students of Pharmaceutical Sciences Department.
- (ii) Mr. Nitish Jain, Senior Manager from Accenture visited the campus on 22<sup>nd</sup> January 2010 and interacted with the students. The objective of the lecture was to

provide current knowledge on hot-technologies for future software engineers by sharing relevant concept and current industry practices with them.

- (iii) Ascent and Origen Test Group organized a written test under Employability Potential Assessment at Campus (EPAC) programme on 31<sup>st</sup> Jan, 2010 for the MBA students. Senior Officials from EPAC visited campus and interacted with the students.
- (iv) Placement Department with the assistance of Accenture multinational company organized a two days workshop on “Data Warehousing and Business Intelligence” (DWBI) from 22<sup>nd</sup> to 23<sup>rd</sup> March 2010. Mr. Arun Kumar, senior official from Accenture, conducted this workshop on behalf of Accenture and interacted with 60 students from Computer Science and Electronics Departments. It is noteworthy that Accenture has chosen only Guru Nanak Dev University from North for the conduct of this workshop.
- (v) Tata Consultancy Services (TCS) organized student workshop and Faculty Development Program at Guru Nanak Dev University on 27<sup>th</sup> & 28<sup>th</sup> April, 2010 on the topic 'Knowledge Management'. Bimaljeet Kaur, Senior Official from TCS conducted this workshop.
- (vi) IBM, a well-known multinational company conducted a three-day workshop on ‘Working with Database and Data objects & Working with DB2 Data using SQL’ in the Placement Department at GNDU, Amritsar from 27th to 29th August 2010. Students of Pre-final year from all the three campuses of G.N.D. University i.e. Amritsar, Jalandhar and Gurdaspur participated in the workshop. The student participants were selected on the basis on their merit. The interactive learning sessions were carried out by officials from IBM through lectures, quiz, case studies, demos and audio-visual presentations. Mr. Mayank Jha, Relationship Manager, IBM highlighted the importance of interpersonal skills, working in groups and team efforts in the corporate world.
- (vii) TCS also conducted a two days workshop on the topic ‘E-Governance & IT ’ at GNDU, Amritsar from September 3-4, 2010. The objective of the workshop was to nurture young talent and build leaders of tomorrow and to provide basic knowledge on IT industry. Mr. Harjit Singh, Consultant, TCS, Delhi interacted with the students during the workshop.

- (viii) Mr. Nagraj Rajamani, Senior Manager from Accenture, Bangalore visited GNDU, Amritsar on 24<sup>th</sup> September. He interacted with the faculty and students of MBA on the topic “Six Sigma in Software/IT Industry”. The session was very informative and the effort of Mr. Nagraj Rajamani was highly appreciated by the participants.
  - (ix) Under the Accenture Zone program, Mr. Ajay Singh, Senior HR Manager, Accenture visited the campus on 26<sup>th</sup> October 2010 and interacted with the students of all the three campuses. Mr. Ajay Singh gave latest information regarding IT Industry to our students. The students were apprised about the latest trends and requirements in the IT industry. It is pertinent to mention that many top officials keep on visiting our campus by Accenture for their Campus Corridor Program.
  - (x) Senior officials from IBM have recently visited GNDU to establish “Centre of Excellence” in Guru Nanak Dev University, Amritsar to provide training to IT students. Under this program, two workshops have also been conducted. The first workshop was conducted from 27<sup>th</sup> to 29<sup>th</sup> August, 2010 on the topic DB2. The second workshop was conducted from 11<sup>th</sup> to 14<sup>th</sup> November, 2010 on the topic RAD.
  - (xi) Another one-day workshop was organised by TCS on 29<sup>th</sup> October, 2010 at Guru Nanak Dev University. Mr. Nitin Bajaj, Consultant interacted with the students and faculty members. Students of 2011 batch attended the workshop by a prestigious company like TCS from all the three campuses Amritsar, Jalandhar & Gurdaspur and ASSM College.
4. **Other activities of Placement Department:** The Department undertakes visits to industrial houses, generate database of the students as well as gets the placement brochures of various courses printed.

#### **Department of Political Science**

1. New academic programmes initiated (UG and PG) in the Department: Nil

2. Innovations in curricular design & transaction: Syllabus designed for Ph.D. Programme introduced w.e.f. August 2010.
3. Inter-disciplinary programmes started: Nil
4. Candidates qualified: NET/SLET/GATE etc.: 5
5. Total number of seminars/workshops conducted: Nil
6. Research projects: 3
7. Patents generated, if any: Nil
8. New collaborative research programmes: Nil
9. Research grants received from various agencies: Nil
10. Details of research scholars: 12
11. Citation index of faculty members and impact factor: Nil
12. Honours/Awards to the faculty: Nil
13. Internal resources generated: Nil
14. Details of funding/activities from the department getting SAP, COSIST (ASSIST)/DST, FIST etc. : Nil
15. Teachers/officers newly recruited: Nil
16. Teaching - Non-teaching staff ratio in the department: 6 : 2
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: M.A., M.Phil.
18. Unit cost of education for each course in the department:
  - M.A.            62,053/-
  - M.Phil.        11,708/-
  - Total Cost    73,761/-
19. Increase in the infrastructural facilities in the Department: Nil

20. Technology upgradation: Nil
21. Activities and support from the Parent-Teacher Association: Nil
22. Activities of the Guidance and Counselling unit: Nil
23. Any other relevant information, the institution wishes to add: Five Extension Lectures arranged

### **Department of Psychology**

1. New academic programmes initiated  
The department decided to start a new Post Graduate Diploma in Mental Health Counselling. The ordinances and syllabi for the same were structured and the course has started in the session 2010-11.
2. Innovations in curricular design and transaction:  
Keeping in mind the advances in the subject and requirement of the students the change in the curriculum is impacted and stress on applications of the subject is emphasized.
3. Interdisciplinary programmes started. Nil
4. Candidates qualified: NET/SLET/GATE etc. : 1 UGC-JRF
5. Total number of seminars/ workshops conducted :Nil
6. Research Projects: Nil
7. Patents generated, if any: Nil
8. New collaborative research programmes:  
The department collaborated with the Project Excellence in Sports
9. Research grants received from various agencies: Research fellowships are being received from UGC & Bureau of police research and development organization (BPRDO).
10. Details of research scholars: 30. (Registered 22, Enrolled 08)
11. Citation index of faculty members and impact factor: Nil
12. Honors/Awards to faculty: Dr. (Mrs.) Suninder Tung, Professor, by Gurukul Kangri University, Haridwar, 20-21 March, 2010 for contribution in the area of Child Psychology, Psychology of Adolescence and Counselling Psychology.
13. Internal resources generated: Nil

14. Details of funding /activities from the departments getting SAP, COSIST (ASSIST)/DST, FIST, etc.: DST (FIST): Nil
15. Teachers/officers newly recruited: Two Teachers were recruited on contract for the session 2009-10
16. Teaching-Non-teaching staff ratio in the department: 7:6
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Nil
18. Unit cost of education for each course in the Department: Unit cost of education for each course in the department may please be checked from the Accounts Branch.
19. Increase in the infrastructural facilities in the Department:
  - Hardware & Software Computerized Biofeedback for GSR, Temp, Pulse Rater Respiration, EMG, EEG (Neurofeedback) Parameters Model Psychofeedback CBF-2006.
  - Adolescent psychopathology Scale (APS) (Complete Introductory Kit)
  - Five Factor Wellness Inventory, Sampler Set
  - The Orientation Inventory, Sampler Set
  - Coping Resources Inventory, Sampler Set Revised
  - Inter Personal Intelligence Inventory, Complete Set.
20. Technology upgradation: Nil
21. Activities and support from the Parent-Teacher Association: Nil
22. Activities of the Guidance and Counselling unit: Nil
23. Any other relevant information the institution wishes to add:
  - The department hosted Prof. Daya Singh Sandhu as a Senior Fulbright Research Scholar from January 2010 to June, 2010.
  - The department organized the 1<sup>st</sup> National Ad-hoc committee meeting of Mental Health Counselling sponsored by Fulbright-USIEF on 3-4<sup>th</sup> May, 2010
  - Association of Mental Health Counsellors was formed.

### **Department of Sanskrit, Pali and Prakrit**

1. New academic programmes initiated (UG and PG) in the Department : Not Applicable
2. Innovations in curricular design and transaction : Not Applicable
3. Inter-disciplinary programmes started :
  - a) The deptt. planned to introduce interdisciplinary courses in Pre Ph.D. Programme. Such courses (“Environmental Awareness in Sanskrit Literature”, “Relation between Sanskrit & Panjabi”) were implemented w.e.f. session 2010-11 of Pre Ph.D.
  - b) Proposal of a project (Sanskrit & Pahari (Kahloori) : A Comparative Study) was submitted. As the Pahari Language of Bilaspur is also intermingled with Panjabi in the long border belt of Bilaspur & Panjab, the project will include the study of Panjabi also in this context.
4. Candidates qualified NET/SLET/GATE etc : Not Applicable
5. Total number of seminars/workshops conducted:  
International – 1 . National – 1.
  - a) An International Seminar on “Life and Ideology of Maharshi Valmiki” was organized on 29-30 Sept., 2009 with the collaboration of Central Valmiki Sabha International U.K.

- b) A National Seminar on “Concept of Rights in Sanskrit Literature” was organized on 15-16 March, 2010 ).
6. Research projects :
- a) Newly implemented: and b) Completed:  
U.G.C. three year (2008-2011) Major Research Project “Punjab as a Repository and Source of Sanskrit Literature” in progress.
1. Patents generated, if any : Not Applicable
2. New collaborative research programmes :  
Proposal of a project (Sanskrit & Pahari (Kahloori) : A Comparative Study) was submitted. As the Pahari Language of Bilaspur is also intermingled with Panjabi in the long border belt of Bilaspur & Punjab, the project will include the study of Panjabi also in this context.
3. Research grants received from various agencies :  
For the three year (2008-2011) U.G.C. Major Research Project “Punjab as a Repository and Source of Sanskrit Literature”, out of the grant Rs. 8,50,000 the amount of Rs. 4,52,900 was released by the U.G.C. in 2008.  
The release of the balance amount for 2010-11 is awaited.  
The mid-term Progress report of the project is Okayed by the U.G.C.
10. Details of research scholars : Enrolled – 4
11. Citation index of faculty members and impact factor : Not Applicable
12. Honors/Awards to the faculty : Nil
13. Internal resources generated : Not Applicable
14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST)/DST, FIST, etc : Not Applicable
15. Teachers/Officers newly recruited : Nil
16. Faculty-Non-Faculty staff ration in the Department: 2:2
17. Courses in which student assessment of teachers is introduced and action taken on student feedback :

The deptt. has been getting the feedback from the students. The students wished to participate on the National Level Sanskrit competitions. Therefore, the students have been sent to participate in the Inter-University Debate Competition of Kalidas Samaroh, Ujjain (Nov, 2010).

18. Unit cost of education for each course in the department :

M.A. (Sanskrit) Sem-Ist & IInd- 12970/- (including examination fee)

M.A. (Sanskrit) Sem-IIIrd & IVth - 12170/- (including examination fee)

M.Phil. (Sanskrit) Sem-Ist & IInd - 32670/- (including examination and dissertation fee)

19. Increase in the infrastructural facilities in the Department:

An air conditioner was installed in the office of the H.O.D.

20. Technology upgradation: Nil

21. Activities and support from the Parent-Teacher Association :

The Department regularly meets the parents regarding the study progress of the students. The students have been permitted by the parents to participate in the Inter-University Debate Competition of Kalidas Samaroh, Ujjain (Nov, 2010).

22. Activities of the Guidance and Counselling Unit :

The department guides the students for the preparation of the subject-related portion of NET.

23. Any other relevant information the institution wishes to add:

The Department has focused to highlight the following aspects of Sanskrit Literature through teaching & Research –

- Relevance of Sanskrit in modern scenario.
- Awareness of pollution free environment.
- Remedial steps to tackle social disturbance.
- Strengthening of family concept in the society.

- Sanskrit as a source of other languages.
- i. Articles Published : 5
- ii. Papers Presented :
  - a) Dr. Renu Bala presented a paper in International Ved Conference, Gurukul Kangri University, Haridwar in November- 2009.
  - b) Dr. Dalbir Singh presented papers in :
    - World Panjabi Conference at Toronto in July, 2009.
    - Kalidas Samaroh, Ujjain (M.P.) in November-2009.

### **Department of Sociology**

1. New academic programmes initiated (UG and PG) in the Department:

Pre-PhD. Course has been introduced.

2. Innovations in curricular design and transaction:

Applications of Computer in Social Research and use of Internet have been introduced.

3. Inter-disciplinary programmes started:

All the Elective Pre-PhD Papers are inter-disciplinary.

4. Candidates qualified: NET/SLET/GATE: Two candidates

5. Total number of seminars/workshops conducted: Two

6. Research projects: a) Newly implemented and b) Completed:

a. Development of Other Backward Classes (OBCs) in Rural Punjab: Issues for Governance

b. Effectiveness of ICDS Program in the Rural Areas of Punjab

c. State of Cities in Punjab: A Study of Ludhiana, Jalandhar and Patiala cities

d. 5<sup>th</sup> Trend Report on Urban Sociology for ICSSR Research Survey and Explorations in Sociology and Social Anthropology

e. A Study Urban Development and Housing in Punjab for Punjab Governance Reform Commission, Govt. of Punjab, Chandigarh.

7. Patents generated, if any: Not Applicable

8. New collaborative research programmes: Nil

9. Research grants received from various agencies:

UGC, SAP-DRS-II (Rs.63 Lakh)

UGC Project of Prof. R.S. Sandhu (Rs. 7.00 Lakh)

ICSSR Project (Rs.44,000/-)

Punjab Govt. Project (Rs.20,000/-)

10. Details of research scholars:

There are eleven (11) Research Scholars pursuing their Ph.D. course. Besides these 11, there are two other regular registered Ph.D students. One of them is Project Fellow and the other is a teacher.

11. Citation index of faculty members and impact factor: Nil
12. Honours/Awards to the faculty: Nil
13. Internal resources generated: Nil
14. Details of Funding/activities from the departments getting SAP, COSIST(ASSIST)DST, FIST, etc. UGC- SAP, DRS-II
15. Teachers/officers newly recruited: Nil
16. Teaching-Non-teaching staff ratio in the Department: 7 Teachers : 4 Non-teaching
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Has not been done during 2009-10.
18. Unit cost of education for each course in the department: not determined
19. Increase in the infrastructural facilities in the Department: A New Computer Lab has been established.
20. Technology upgradation: Nil
21. Activities and support from the Parent-Teacher Association: No
22. Activities of the Guidance and Counselling unit:  
A Students Advisory Committee has been constituted under the Chairmanship of the Head of the Department which includes students from M.A. Part I&II and Pre-PhD. Programmes. All the issues regarding students discussed in this Committee.
23. Any other relevant information the institution wishes to add: Nil

## Department of Youth Welfare

Since its inception in 1971, the aims & objectives of the department have been to undertake activities related to Youth to discover and promote the hidden talent, potential in art & culture. For this purpose, students of the colleges affiliated with the university and its Regional Campuses at Jalandhar and Gurdaspur, University Campus, Amritsar are involved every year for such activities as

- Youth Leadership Training/Hiking Trekking Camps at University Students Holiday Home, Dalhousie
- University Zonal Youth Festivals of Different 5 Zones and one Inter-Zonal Final Youth Festival
- Workshop on Music, Theatre, Dance & Fine Arts items
- Coaching camps for participating teams in North Zone & National Inter-University Youth Festivals
- North Zone & National Inter-University Youth Festivals
- Inter-University Youth Festivals/Competitions of Punjab State organized by Directorate of Youth Services/D.P.I. Colleges Punjab and other Universities/Institutes
- Inter-State Cultural/Educational Tours.
- Cultural Programmes during the University Functions i.e. Republic Day, Independence Day, Foundation Day & Annual Convocations, Seminars/Workshops organized by Different departments of University.

During this year, 5<sup>th</sup> South Asian Universities Youth Festival is being organized by Association of Indian Universities at BRAC University Dhaka, Bangla Desh from 26-30 December, 2010. The Poster Making team of Guru Nanak Dev University is representing the country in this festival.

Association of Indian Universities decided to hold North Zone Inter-University Youth Leadership Camp. For this purpose A.I.U. selected Guru Nanak Dev University Students' Holiday Home, Dalhousie. The camp was organized from 23-27 August, 2010. In this camp 57 students from 8 different Universities participated.

A five day camp was inaugurated on 23 August, 2010 by Capt. G.S. Dhillon, Director, Dalhousie Public School, Dalhousie. During the camp days resource persons- Prof. Kamla, Ustad Syed Khan (Sitar maestro) & Sh. Jagdish Sachdeva (famous dramatist) further extended the aura of this grand event and enlightened the students with their knowledge about respective fields. Students enjoyed the hilly scenes of Panchpula, Kalatop, Dian Kund, Khajjiar & Dalhousie by trekking. During this camp, Yoga session was also arranged early in the morning and Yoga instructor told the different techniques/asana of Yoga for physical fitness.

Competitive events like extempore, debate, folk song/geet/gazal, poetical recitation and dancing showcased the great amount of talent hidden inside the young pearls. In each competition interested students participated and First, Second, Third & consolation positions in each event were declared. Chaitanya Mahajan from G.N.D.U., Asr. was adjudged the "Best Camper", "IInd best camper" was Ravinder Singh Randhwa from Punjab Agricultural University, Ludhiana. "IIIRD best Camper" was Shawetima from Lovely Professional University, Phagwara. Team from Punjab University Chandigarh was adjudged as "Best Team" for maintaining discipline while Lovely Professional University, Phagwara was declared "IInd Best Disciplined Team".

On 26<sup>th</sup> August, 2010 evening valedictory function was presided over by Dr. Inderjit Singh, Registrar, G.N.D.U., Asr. & Lt. Gen. J.S. Dhillon (VSM) Deputy Director SBBSIET Khiala-Jalandhar was the Guest of Honour. Colorful performances took whole event to its culmination.

The University team also participated in the Inter-University Debate Competition, organized by Indian Association of Parliamentarians on Population Development from 6-7 November, 2009 at New Delhi. In this competition the student of team Arshdeep Singh Sodhi won the overall Third position.

Quite frequently, the Directorate of Youth Services Punjab/D.P.I.(Colleges) Punjab organizes Punjab State Inter-University Youth Competitions. While the Youth Competitions are organized by the said departments, the University sends the teams to participate in the different items of the competition.

Except this many institutions/universities of the country organizes Inter-University National Debate competitions from time to time. The University also send the teams to participate in the said competitions.

The department also organizes Inter-State Cultural/Educational Tours to know the culture of different states of the country. During the tour each student gets a chance to visit the different states of the country to be aware of the culture & traditions of the people of different states.

### **University Functions**

University Annual functions e.g. Foundation Day, Convocation, Republic Day, Independence Day are organized in the University Campus and different departments also organizes the Seminars, Workshops during the year. The department arranges the Cultural Programmes for the above said functions. The department also assists the office of Dean Students Welfare of University Campus, Amritsar to host the Annual Students' & other functions.

### **University Stars**

Guru Nanak Dev University always organizes Youth Festivals & Youth activities in such a manner that no student artist loses the chance to show his/her hidden talent. All student artists work hard before the participation in the Youth Festivals. By participation in the Youth Festivals they get the positions and present themselves as a University Team member for the competition in the Inter-University Youth Festivals at North Zone & National Level. During the North Zone & National Inter-University Youth Festivals they get Best positions. After getting the positions at National Level they tried their best to shine their own and University's name in different fields of Reality shows of different Television Channels as well as Film Industry. Guru Nanak Dev University is proud of so many student artists of this University who have presented themselves as Stars in different fields at Inter-national & National level and the detail of the University Stars is as under :

- 1) Prominent Inter-national Folk Singer : S. Malkit Singh
- 2) National Level Comedian : Balwinder Vicky (Chacha Raunki Ram)
- 3) Prominent Inter-national Sufi Singer : Hans Raj Hans
- 4) Famous Anchor & Singer : Satinder Satti
- 5) Inter-National level Comedian Film Star : Gurpreet 'Ghuggi'
- 6) Laughter Challenge & Comedy Circus  
Champion & film star : Kapil Sharma
- 7) Laughter Challenge & Comedy stars : Rajiv Thakur, Bharti Singh, Chandan
- 8) Famous Punjabi Folk Singer : Jasbir Jassi & Amrinder Gill
- 9) Famous Laughter Challenge Star

### Department of Urdu and Persian

1. New academic programmes initiated (UG and PG) in the Department: Nil
2. Innovations in curricular design and transaction: Nil
3. Inter-disciplinary programmes started: Nil
4. Candidates qualified: NET/SLET/GATE: Nil
5. Total number of seminars/workshops conducted: Nil
6. Research projects: a) Newly implemented and b) Completed: Nil
7. Patents generated, if any: Nil
8. New collaborative research programmes: Nil
9. Research grants received from various agencies: No grant is received.
10. Details of research scholars: Total 11
11. Citation index of faculty members and impact factor: Nil
12. Honours/Awards to the faculty: Nil
13. Internal resources generated: Nil
14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST) DST, FIST, etc. UGC- SAP, DRS-II: Nil
15. Teachers/officers newly recruited: 3 staff members on contract basis
16. Teaching-Non-teaching staff ratio in the Department: 1:1
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: (i) Certificate course in Urdu, Persian and Arabic, (ii) Diploma course in Urdu and Persian, (iii) Advanced diploma course in Urdu and Persian.
18. Unit cost of education for each course in the department: not determined
19. Increase in the infrastructural facilities in the Department: Nil
20. Technology upgradation: Nil
21. Activities and support from the Parent-Teacher Association: Monthly meetings and literary activities.
22. Activities of the Guidance and Counselling unit: IAS guidance
23. Any other relevant information the institution wishes to add: No

## Department of Zoology

1. New academic programmes initiated  
B.Sc. (Hons. School) has been initiated in the session 2010-2011.
2. Innovations in curricular design and transaction:
  - Credit based continuous evaluation system has been introduced. The curricula for B. Sc (Hons. School) were designed.
  - The syllabi for M. Sc. (Hons.) were modified as per the requirements of the credit based continuous evaluation system.
  - The course work was introduced in Ph. D courses.
3. Interdisciplinary programmes started.
  - Wetland Ecology
  - Diversity of Animals
  - Animal Ecology
4. Candidates qualified: NET/SLET/GATE etc. : NET-4
5. Total number of seminars/ workshops conducted:
  - Jaswant Rai memorial lecture was held on 18<sup>th</sup> Feb., 2009
  - A one day seminar on climate change was conducted in March, 2009.
  - A one day seminar on Wetland conservation was conducted in February, 2009.
  - Two days UGC Sponsored seminar on wetland ecology was organised in Feb., 2010
6. Research Projects:  
Newly implemented:
  - i. Biological control of *Spodoptera litura* using entomopathogenic fungi: Exploring fungal diversity for novel biocontrol agents (Rs 10,54,300)
  - ii. Identification and conservation of threatened fish species of river Ravi.(Rs 7,89,000)
  - iii. Evaluation of anti-insect potential of defensive plant proteins (Protease inhibitors) on an herbivorous insect, *Bactrocera cucurbitae* (Coquillett). (Rs 10,01,300)
  - iv. Genotoxicity and cytotoxicity of azodyes to Indian Major carps. (Rs 11,26,800).

v. Evaluation of genetic damage in workers employed in pesticide production and distribution (Rs 2,63,000).

Brassinosteroid regulated antioxidative defense system in root knot nematode (*Meloidogyne incognita*) and host plant (*Brassica juncea*) during pathogenesis. (Rs 1,45,000) (minor project).

7. Patents generated, if any: Nil

8. New collaborative research programmes:

Collaborated with WWF, India on the ecology of trans boundary water channel Hudiara drain under small grants programme of UNDP.

9. Research grants received from various agencies:

U.G.C.	43,79,400/
D.S.T. (FIST)	40,00,000/

10. Details of research scholars: 16.

11. Citation index of faculty members and impact factor:

Dr Anish Dua: 1.4

Dr Satwinder Kaur: 0

Dr. Sanehdeep: 2

Dr Arvinder Kaur: 3

Dr. Pooja Chadha: 0.5

Dr Puja Ohri: 0.078

12. Honors/Awards to faculty:

Third best poster in Nematology conference held in Coimbatore.

13. Internal resources generated: Nil

14. Details of funding /activities from the departments getting SAP, COSIST (ASSIST)/DST, FIST, etc.: DST (FIST): 40 lacs

15. Teachers/officers newly recruited: Nil

16. Teaching-Non-teaching staff ratio in the department: 6:6

17. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

B.Sc (Hons. School.)

M.Sc. (Hons.)

Ph D

18. Unit cost of education for each course in the Department: Not Applicable

19. Increase in the infrastructural facilities in the Department:

Two computer labs with a total of 15 computers have been established from the grant received in FIST programme of DST.

Instrumentation room has been upgraded for use of M.Sc and Research scholars.

20. Technology upgradation: Nil

21. Activities and support from the Parent-Teacher Association: Nil

22. Activities of the Guidance and Counselling unit: Nil

23. Any other relevant information the institution wishes to add: Nil

### **Punjab School of Economics**

1. New academic programmes initiated: Ph.D. programme in Economics has been initiated in the session 2010-2011.
2. Innovations in curricular design and transaction:
3. Credit based continuous evaluation system has been introduced. Under the new curricula designed, new system of examination and evaluation was introduced.
4. Interdisciplinary programmes started: Environmental Economics
5. Candidates qualified: NET/SLET/GATE etc. : NET/JRF-7
6. Total number of seminars/ workshops conducted:
  - “Social and Physical Infrastructure in Punjab: Status and Implications for Development” on February 14-15, 2009
  - “69<sup>th</sup> Annual Conference of the Indian Society of Agricultural Economics” on December 17-19, 2009.
  - “Global Meltdown and Indian Economy- Impact and Implications” on March 7, 2009.
  - “Global Economic and Environmental Crisis” on 13<sup>th</sup> August, 2009.
7. Research Projects: Three teachers are granted research project by UGC/MHRD.
8. Patents generated, if any: Nil
9. New collaborative research programmes:
  - Collaborated with Prof. J. R. Gupta, Punjabi University, Patiala and Prof. Joginder Singh, Punjab Agricultural University, Ludhiana.
10. Research grants received from various agencies: 16 Lakhs
11. Details of research scholars: 40
12. Citation index of faculty members and impact factor: Available on request.
13. Honors/Awards to faculty: Available on request.

14. Internal resources generated:
  - 2 Lakhs form UGC
  - 37 Lakhs by UGC under SAP programme.
15. Details of funding /activities from the departments: UGC; MHRD; Govt. Of Punjab and GNDU, Amritsar, NABARD etc.
16. Teachers/officers newly recruited: Two
17. Teaching-Non-teaching staff ratio in the department: 1 : 1.25
18. Courses in which student assessment of teachers is introduced and the action taken on student feedback:
  - B.Sc (Hons. School)
  - M.Sc.(Hons. School)
  - Pre PhD
19. Unit cost of education for each course in the Department:
  - B.Sc. (H.S.) in Economics                      Rs. 64709 per annum approx.
  - M.Sc. (H.S.) in Economics/MBE              Rs. 78146 per annum approx.
  - Pre Ph.D.    Rs. 15000 per annum approx.
20. Increase in the infrastructural facilities in the Department:
 

A new seminar room has been designed and completed. Water Cooler along with R.O. has been provided. New furniture for faculty as well as student was purchased. World Bank Depository Library literature was received.
21. Technology upgradation: Multimedia presentation.
22. Activities and support from the Parent-Teacher Association: Nil
23. Activities of the Guidance and Counselling unit: New brochures for placement of M.B.E. students were designed and counselling of Placement Cell was sought for them.
24. Any other relevant information the institution wishes to add: Two students of the School namely Mr. Gaurav Bhatia and Mr. Deepak Kumar have been selected in Indian Economic Services and ex-student of M.B.E. namely Ms. Neha was selected in Civil Services.

### School of Punjabi Studies

1. New academic Programmes initiated (UG and PG in the Department): Nil.
2. Innovations in curricular design and transaction: All syllabi have been updated.
3. Inter-disciplinary programmes started: Pre-Ph.D. & M.Phil Courses.
4. Candidates qualified NET (UGC): 7.
5. Total number of Seminars/workshops conducted: 5

Level	Language	Literature	Folklore & Culture
Individual	2	6	5
Group	1	1	1

6. Research projects:

7. Patents generated, if any: None

8. New collaborative research programmes: None
9. Research grants received from various:
  - SAP: Rs. 43,75,000/- (2009-14)
  - Other agencies: Rs. 6,30,000/- (2009-10)
10. Details of research scholars: 35
11. Citation index of faculty members and Impact factor: N.A.
12. Honors/Awards to the faculty: N.A.
13. Internal resources generated: Only human resources
14. Details of Funding/Activities from the deptt. Getting: UGC (SAP)
15. Teachers/officers newly recruited: N.A.
16. Teaching - Non teaching staff ratio in the Department: 1.66:1.
17. Courses in which students' assessment of teachers is introduced and the action taken on students' feedback: B.A. Hons. I, III & Vth Semester, M.A. I & III Semester, M.Phil & Pre-Ph.D.
18. Unit cost of education for each course in the department: Not determined
19. Increase in the infrastructural facilities in the Department: Nil
20. Technology upgradation: Nil
21. Activities and support from the parent teacher Association: N.A.
22. Activities of the Guidance and counselling Unit: N.A.
23. Any other relevant information the PG level institution wishes to add: optional course on Computer application in Punjabi.

### **School of Social Sciences**

1. New Academic Programmes initiated (UG and PG) in the Department: NA
2. Innovations in curricular design and transaction: NA
3. Inter-disciplinary programmer started: NA
4. Candidates qualified: NET/SLET/GATE etc.: One
5. Total Number of seminars/workshops conducted: Three (One+Two)
6. Research Project: a) Newly implemented and b) completed: NA
7. Patents generated, if any: NA
8. New collaborative research programmes: NA
9. Research grants received from various agencies: Rs. 1,50,000 annual instalment from UGC under innovative Scheme for master in Social Sciences
10. Details of Research Scholars: 4 (Mr. Raj Rishi Mehra, Mr. Nirmal Singh, Mr. Ravinder Singh and Ms Urvashi Bali).

11. Citation index of faculty members and impact factor: NA
12. Honours/Awards to the Faculty: NA
13. Internal Resource generated: NA
14. Details of Funding /activities from the departments getting SAP, COSIST (ASSIST)/DST. FIST etc: NA
15. Teachers/officers newly recruited: Four teachers on contract basis for the year 2009-10
16. Teaching-Non-teaching staff ratio in the department: 19:1
17. Course on which student assessment of teachers is introduced and the action taken on student feedback: B.S.Sc. (HS) and M.S.Sc. (HS)
18. Unit Cost of education for each course in the department: B.S.Sc. (H.S.): 15,860/- PA, and M.S.Sc. (H.S) : 3244/- PA
19. Increase in the infrastructural facilities in the Department: NA
20. Technology up gradation: SPSS software purchased : cost approximately Rs. 2,00,000/-
21. Activities and support from the Parent-Teachers Association: NA
22. Activities of the Guidance and Counselling unit: NA
23. Any other relevant information the institution wishes to add: School organized 4 guest lectures.

## **Computer Centre**

### **Centralized Internet Facilities**

- University has two internet lease lines 25 Mbps; from Connect ISP and 10 Mbps from BSNL.
- The regional campuses Jalandhar and Gurdaspur are utilizing 4 Mbps bandwidth each through 25 Mbps Connect Bandwidth pool.
- 1 Gbps link from BSNL is under process and shall be functioning shortly.
- Entire university Network is secured on authentication basis. The Network is protected from external attacks through Cyberoam UTM appliance at gateway level.

- 24 hour Internet access to all faculty members, 24 hour access with 100 MB data uploading download limit to Research scholars and Wi-Fi Internet Access to hostel students during non working hours with 100 MB limit.
- Free access of International and National journals to all students including Jalandhar and Gurdaspur Regional Campuses.

**Any other Information**

- On-line admission for different classes in the university departments.
- On-line counselling for state level tests like B.Ed, MET/PAM-CAT-2010 and CET-LAW-2010.

**Centre for Distance Education**

Guru Nanak Dev University started distance education from the session 2002-2003 with the approval of the Distance Education Council. Under this programme, a number of technical, professional and humanities courses have been introduced. The courses are run parallel to courses being offered in conventional mode. Unrestricted mobility of students between distance and conventional mode of education is the merit of our distance education programme. Under this programme, ordinances, syllabus, examination, evaluation etc. are the same as for regular students.

Face to face instructions is an integral part of this programme. The institutes which run classroom like teaching are granted approval after a close inspection of the infrastructure, faculty strength and other facilities like library and computers etc. To begin with 36 Associate Institutes

were set up in 2002. Their number has now grown to 78. Likewise, the number of students in distance education has risen to about eight times, from 1402 during 2002-2003 to about 10598 during 2009-2010.

We are pleased to state that the distance education programme of Guru Nanak Dev University has received an overwhelming response and the University is contributing in a big way towards the national policy of widening the access of higher education, particularly to rural and remote areas, especially amongst women. The quality, in delivery of educational instructions, is ensured by way of regular inspections and supervisions of Associate Institutes.

In the Academic Session 2009-10, as many as 78 associate institutes covering almost every district of Punjab state as well as two institutes of New Delhi have been granted permission to start various courses under distance education programme of the university. The number of seats approved for running these courses range from 20-160 depending upon the facilities and infrastructure available. The courses approved include graduate and post graduate diploma courses as well as graduate and Post graduate degree courses. Some of the courses that have been approved are: Diploma in Cosmetology, Diploma in Computer Application, Diploma in Stitching and Tailoring, Diploma in Library Science, B. Lib. and Information Science, BA/B.Sc. in Economics, Computer Science, Music (V), Music (I), Sanskrit, Dance, Math, Geography, Elective English, Elective Punjabi, Hindi, Sanskrit, Public Administration, Physical Education, History, Political Science, Home Science, Computer Maintenance, Office Management and Sec. Practice, Philosophy, Sociology, Fashion Designing & Garment Construction, Religious Studies, Cosmetology, Quantitative Techniques, Advertising Sales Promotion & Sales Management and Journalism and Mass Communication, BBA, B.Com (Prof), B.Sc. (IT), BCA, PGDCA, PG Diploma in Business Management, PG Diploma in Journalism and Mass Communication, PG Diploma in export Management, M.Sc. (Computer Science), M.Sc. (Maths), M.Sc. (IT), M.A. in Punjabi, Hindi, economics, Political Science and English etc.

### **Centre of Excellence in Sports Sciences**

On the basis of sports achievements and to give further fillip for producing athletes / players at the National and International levels, University Grants Commission, New Delhi at its meeting held on 25 July, 2002 established “Centre of Excellence in Sports Sciences” at Guru Nanak Dev University campus.

A grant of Rs 5.0 Crore was sanctioned by the University Grants Commission for Centre of Excellence in Sports Sciences in view of unparalleled achievements in the field of sports followed by another grant of 1.3 crore (interest incurred on the principle amount of Rs 5 Crore) totalling a grant of Rs 6.3 Crores.

The Departments including Department of Physical education (Allied teaching), Department of Physical education (Teaching), Department of Psychology, and Department of

Sociology through their coordinators had embarked upon a joint venture for studying the variables relating to their respective fields by involving youngsters both boys and girls. Variables were identified to further investigate in depth. Anthropometric measurements, fitness components, personality, cognitive, emotional, motivational behaviour, socio-economic status, socialization pattern, infrastructure availability and other factors found relevant were also included in the study. This effort proved to be a success but not to the optimal level as we can achieve maximal with the continuation of Centre for Excellence in Sports Sciences as the selected players from catch them young program can be well nourished professionally under the university campus.

After the establishment of Centre For Excellence In Sports Sciences at the Campus, Guru Nanak Dev University, Amritsar took the lead to accord an opportunity to our colleges and university Hockey Players to train and participate in International competitions after debacle of Indian Hockey team in Olympic qualifying tournament at Santiago. In the first instance, we conducted 1st South Asia Universities Hockey Championship at the university campus from 13-16 March, 2008 in which teams from Pakistan, Sri Lanka and India (Red & Blue) participated. This championship was allotted to us by AIU, New Delhi. The championship was organized by mobilising our own sources.

Guru Nanak Dev University also organized Vizzy Trophy Cricket (Men) Tournament from 16-23 Feb. 2008. 20 Cricketers were selected to undergo coaching camp for Indian universities team for the national/ International events out of which, Guru Nanak Dev University had its 5 players on the Indian Universities coaching camp held at NAC Bangalore commencing from 12.May, 2008.

#### **National Workshop (Year 2009-2010)**

In order to have latest knowledge and training strategies adopted by the leading countries of the world and to know about latest advances in the field of sports, a National Workshop on "**Sports Training – A Multi disciplinary approach** " was organized on 21-22 March, 2009 at Guru Nanak Bhawan Conference Hall at the university campus. About 200 participants from different universities / colleges attended the symposium. Prof. Ajmer Singh, Arjuna Awardee, Former Vice-Chancellor, LNUPE, Gwalior was invited.

Another National Workshop on '**Use of Modern Technology in Health, Physical Education and Sports**' was also organised on 27 & 28 March, 2010. About 200 delegates

attended the workshop. In this workshop, experts in the field of kinanthropometry, Exercise Physiology, GTMT, Sports Psychology, Sports Sociology were invited in order to enhance sports performance & research activities.

#### **SPORTS FACILITIES, INFRASTRUCTURE AND INCENTIVES AVAILBLE AT UNIVERSITY CAMPUS**

An area of 25 acres of land earmarked for playfield has already been developed into various grounds/playfields as under:

1. **Astro Turf Hockey Stadium:** The old Astro Turf has been replaced with a new one with the financial assistance of Ministry of Youth Affairs & Sports, Govt. of India, and New Delhi.

2 **International Standard Swimming Pool** has already been put to use for competitions/practice. We organized All India Inter-University Swimming Championship from 31 October to 4 November, 2009 in which about 90 teams comprising 800 players from different universities of the country participated.

3 **Indoor Multipurpose Gymnasium** has been furnished with Mapping wood flooring, wall panelling, sound proofing and false ceiling. It has been put to use for various inter-college/inter-university competitions.

4 **Velodrome** at the university campus has already been put to use. The Velodrome shall groom the budding cyclists of this area and project them in the inter-university, national and international competitions. Recently, we organized All India Inter-University Cycling (M&W) Championship 2010-2011 from 20 to 24 October, 2010.

5. **Shooting Range** has already been developed so as to provide this facility to the shooters at the university campus and to project them for the inter-university, national and international competitions. It is equipped with 30 target facilities.

- One grassy track (400m);
- Two Cricket pitches;
- Two grassy Hockey grounds;
- Two Football grounds ;
- One cemented and two grassy Basketball courts ;
- Two cinder and two grassy Volleyball courts ;
- One cemented and one grassy Tennis court ;
- One platform for Wrestling, Weight Lifting, Power Lifting and Boxing.

**6. Prize Distribution Function:** Guru Nanak Dev University organised its 40<sup>th</sup> Annual Sports Prize Distribution Function for the year 2009-2010 in Dasmesh Auditorium at the university campus on 13 March, 2010. Hon'ble S. Sukhbir Singh Badal, Deputy Chief Minister and Minister of Sports, Punjab gave away the prizes to the position holders. More than 250 players / officials who participated brought laurels to the university and contributed points for Maulana Abul Kalam Azad Trophy were honoured suitably with prizes including cash prizes at the time of function. Besides, trophies were also awarded to the position holding colleges.

**7. Playfields :** The sprawling sports complex houses an international quality Astro-turf hockey stadium, an Olympic standard swimming pool stadium with separate facilities for training, diving and competitions, an international standard indoor multipurpose gymnasium and various playgrounds which include : grassy Athletics Track, Archery, Ball Badminton, Basketball, Boxing, Cricket, Football, Handball, Judo, Kabaddi, Kho-Kho, Korfbal, Lawn Tennis, Netball, Power Lifting, Softball, Table Tennis, Volleyball, Weight Lifting, Wrestling and Yoga.

**8. Physical Conditioning Unit** with various fitness stations has been set-up at the Students Centre for attaining physical fitness for the players in their intended games.

**9. Sports Hostel:** Sports Hostel with a capacity of 200 players is available for the sportsmen/women during University, Inter-University Tournaments/ Coaching Camps. It has hot water facilities available for the players.

**10. Incentives:** The outstanding players/athletes are awarded Roll of honour, prizes and other concessions. Cash Prize of Rs.7500/- is awarded to Ist position holders, Rs.5000/- for 2<sup>nd</sup> and Rs. 2500/- to 3<sup>rd</sup> position holders in Inter-University Tournaments. For National positions, cash prize of Rs.5000/- for Ist position holders, Rs.3000/- for 2<sup>nd</sup> and Rs. 2000/- for 3<sup>rd</sup> position holders is given. For International positions, cash prize of Rs. 25,000/- for Ist position holders, Rs. 20,000/- for 2nd position holder, Rs 15,000/- for 3rd position holder and Rs. 5,000/- for participation is given.

**11. Concession:** In case of students who have participated in the Inter-University and/or in the National Tournaments as members of University or State team, the requirement of marks for purpose of admission to M.A. and other post-graduate courses is reduced by 5%.

More than 100 NSO Scholarships @ Rs. 6000/- per annum have been awarded to the outstanding players of this University by the Ministry of Youth Affairs & Sports, Govt of India through Sports Authority of India, New Delhi which is the highest number of scholarships secured by any other single university during the year 2009-2010.

### **Centre For The Study of Social Exclusion and Inclusive Policy**

1. New academic programmes initiated (UG and PG) in the department: Not Applicable
2. Innovations in curricular design and transaction: Not Applicable
3. Inter-disciplinary programmes started: Not Applicable
4. Candidates qualified: NET/SLET/GATE etc.: Not Applicable
5. Total number of seminars/workshops conducted:

National Seminar on 'Development, Disparities and Patterns of Social Exclusion in India', held on November 8-9 2010. In September 2010, a delegation of 12, from University of Waterloo, Ontario, Canada led by Dr. Doris Jakobsh visited the centre and interacted with faculty members.

6. Research projects:

a) Newly Implemented: Politics of Exclusion in the Construction of Religious Identities:  
Paramjit S. Judge and Manjit Kaur

b) Completed:

A: Research Reports

i Study of Exclusion in the Rural Punjab by Paramjit S. Judge.

ii Study of Exclusion in the Border Belt of Punjab by Harpreet Kaur

B: Working Paper

i. Social Exclusion of Dalits in an Urban Space by Rachna Sharma.

ii. Politics of Sikh Identity: Understanding Religious Exclusion by Paramjit  
S. Judge and Manjit Kaur.

iii. Baptism by fire, Survival by Grit: Life in the Border belt of Punjab by  
Harpreet Kaur.

iv. Murder of a Saint and Dalit Protest: Politics of Construction of Exclusive  
identities by Paramjit S. Judge.

v. Between Exclusion and Exclusivity: Dalits in Contemporary India by  
Paramjit S. Judge.

7. Patents generated, if any: Not Applicable
8. New collaborative research programmes: Not Applicable
9. Research Grants received from various agencies: The Centre has been established as  
result of the grant of the UGC in the XIth Plan
10. Details of Research scholars: Nil
11. Citation index of faculty members and impact factor: Not Applicable
12. Honours/Awards to the faculty: Nil
13. Internal resources generated: Not Applicable
14. Details of funding/activities from the departments getting SAP, COSIST(ASSIST)/DST,  
FIST etc.: Not Applicable
15. Teachers/officers newly recruited: Nil
16. Faculty-Non- Faculty staff ratio in the Department: 2:1

17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Not Applicable
18. Unit cost of education for each course in the department: Not Applicable
19. Increase in the infrastructural facilities in the department: Nil
20. Technology upgradation: Nil
21. Activities and support from the Parent-Teacher Association: Not Applicable
22. Activities of the Guidance and Counselling unit: Not Applicable
23. Any other relevant information the institution wishes to add: Nil

### **Directorate of Research**

Established in 2007, the Directorate focuses on promoting research activities in the University. The Directorate has accomplished the following major tasks:

1. Publication of Annual Research Reports for the years 2007-2008 and 2008-2009.
2. Conducted Ph.D. eligibility test in 2009 and 2010.
3. Awarded Annual Rate Contracts for equipment, Chemicals and Glassware etc.
4. Awarded minor as well as major research projects to the university faculty.
5. Signed moUs with National and Foreign Universities and Institutes.
6. Recruited Project fellows under various schemes.

### **Namdhari Guru Ram Singh Chair**

The Namdhari Guru Ram Singh Chair was established in 2001. The Chair was started with the objective to undertake studies on the contribution of Namdhari Sikhs to the national movement, the promotion of Punjabi language and literature, sports and devotional classical music etc. It also proposes to collect the archival sources pertaining to the Namdhari Sikhs under the colonial rule, generate new demographic and ethnographic information and study the extant beliefs and practices of the Namdhari Sikhs of the Punjab and Diaspora since the inception of the Kuka movement in late 19<sup>th</sup> century. In this context, the Chair has executed several projects and has also produced books and articles. The Chair has also been organising special lectures, symposia and seminars for developing new perspectives on the past and the present of the Namdhari Sikhs. Besides, for disseminating latest information about the Namdhari Sikhs, the Chairman has been contributing research papers to the forums of professional historians periodically and delivering popular lectures in the colleges.

The work published under this chair during the session 2009-2010 is as under.

**(A) Books**

1. Joginder Singh, *Namdhari Guru Ram Singh: A Biography*, National Book Trust, New Delhi, 2010.
2. *A Short History of Namdhari Sikhs of Punjab*, GND University, Amritsar, 2010

**(B) Articles**

1. "A Note on the Social Background of the Namdhari Sikhs of Punjab" *Re-Exploring Baba Ram Singh and Namdhari Movement*, Ed. Navtej Singh, Punjabi University, Patiala, 2010.
2. 'The Extant Beliefs and Practices of Namdhari Sikhs of Punjab', *Satjug Special Ank*, New Delhi, 2010.
3. *Writing Contemporary History of Punjab: Some Issues for Consideration* Prof. Sita Ram Kohli Memorial Lecture, 42<sup>nd</sup> Session of Punjab History Conference, Punjabi University, Patiala, March 19-21, 2010.
4. *Social Crisis of the Punjab Farmers: Can Religious Ethics Play a Role in Resolving Crisis ?*, *Punjab Past and Present*, Punjabi University, Patiala, 2010.
5. *The Muslim Chiefs and Administrative Personnel Under the Sikh Raj: A Case Study of Shifting Allegiance*, Institute of Sikh Studies, Chandigarh, 2010.

**(B) Major Project Completed**

Demographic, Occupational, Social and Cultural Changes among the Namdhari Sikhs of the Punjab.

**(C) Seminars and Conferences:**

Research papers in the following seminars and conferences have been presented.

1. Inaugural address, National Seminar on 'The Heritage of Kuka Movement', Guru Gobind Singh Chair, Kurukshetra University, Kurukshetra on 18<sup>th</sup> February, 2009.
2. A Note on the Transformation in the Namdhari Ideology in early 20<sup>th</sup> century, 41<sup>st</sup> Session of Punjab History Conference, Punjabi University, Patiala, March 14-16, 2009.

**(D) Ph.D. theses and M.Phil. Dissertations in progress**

1. Babusha Maingi *The Namdhari Sikhs of Punjab (1947-2001)*.

2. Contemporary Sikh Sants and Babas of the Punjab: A Case Study of the Neeldhari Sant Khalsa and Nanaksar Sects.

**(F) International/National Seminars/ Lectures organized**

1. “20vIN Sqwbdl dy nwmDwrI is`K”, gurU nwnk dyv XUnIvristI, AMimRqsr, 22 PrvrI, 2010.

**(G) Popular Lectures:**

Following lectures pertaining to the Namdhari identity and history especially focusing on their contribution to the National Movement have been presented:

Government College, Kapurthala, 2009.

Sikh National College, Banga, 2009.

### **Guru Ravidas Chair**

1. New academic Programmes: No
2. Innovation in curricular design and transaction: No
3. Inter-disciplinary programmes started: No
4. Candidates qualified: No
5. Total Number of Seminars/Workshops conducted :

Seminars: 2

- The Social Context of Guru Ravidas Bani, 27, March, 2010.
- Main Concerns of Guru Ravidas Bani, 10, December, 2010.

Lecture: 1

- Delivered Lecture on Applied Ethics in the Department of Guru Nanak Studies, Guru Nanak Dev University, Amritsar, Lecture sponsored by Indian Council of Philosophical Research,, 22-01-2010

6. Research Projects : Newly Implemented and completed : Nil
7. Patents Generated, if any : No
8. New Collaborative research programmes : No
9. Research grants received from various agencies : No
10. Details of Research Scholars : No
11. Citation index of faculty members and impact factor : Nil
12. Honors/Awards to the faculty : No
13. Internal resources generated : No
14. Details of Funding/activities from the department getting SAP, COSIST (ASSIST) DST, FIST, etc. : No
15. Teachers/Officers Newly recruited : No
16. Teaching – Non-teaching staff ratio in the Department : 1: 0
17. Courses in which student assessment of teachers in introduced and the action taken on student feedback: No
18. Unit cost of education for each course in the department : No
19. Increase in the infrastructural facilities in the Department : No
20. Technology Up-gradation : No
21. Activities and support from the parent-Teacher Association : No
22. Activities of the Guidance and Counselling unit :
  1. Research Guidance is provided to Ph.D. students (regular as well as part time).
  2. Chair-person is on the Advisory committee appointed by the State Govt. to look into the Religious Literature.

3. During the past one year two Ph.D. Students have submitted their Dissertation for Ph.D. degree.

23. Any other relevant information the institution wishes to add:

Punjab Government had, in February 1997, established Guru Ravidas Chair in Guru Nanak Dev University, Amritsar for study and research on the life and teachings of Guru Ravidas. Prof. Jaswinder Kaur Dhillon took over as its Chairperson from 1<sup>st</sup> January, 2010.

Besides taking up the work of research and study on the life and teachings of Guru Ravidas, a Seminar was organized on 27<sup>th</sup> March, 2010 on the theme of “*The Social Context of Guru Ravidas’s Bani*”. As many as 25 scholarly papers were received from well known academicians of the subject for this Seminar. The inaugural session was presided over by Prof. Dharam Pal Singhal, the former Chairperson of Guru Ravidas Chair in the Punjab University, Chandigarh. The Key Note Address was presented by Prof. Jasbir Singh Sabar former Chairperson of Guru Ravidas Chair in the Guru Nanak Dev University Amritsar. The esteemed Vice-Chancellor of Guru Nanak Dev University, Amritsar Prof. Ajaib Singh Brar inaugurated the Seminar while Prof. Jaswinder Kaur Dhillon, Chairperson of this Chair gave an introduction to the aims and objectives of the Chair and its activities, and the theme of the Seminar. The other sessions of the Seminar were presided over by Prof. Jagbir Singh, formerly of Delhi University and Prof. Davinder Singh, formerly of Jammu University,

Another Seminar is planned to be held on 10<sup>th</sup> Dec.,2010 on the theme of the “Essential Concerns of Guru Ravidas’s Bani”. A wide section of eminent scholars are being requested to present scholarly papers in this Seminar. Prof. Karam Singh Raju, former Indian Administrative Service Officer will present the Key-Note Address. Prof. Kirpal Singh Badungar, Chairman, Punjab State Backward Classes Commission has consented to preside over the seminar.

The Chairperson of this Chair, Prof. Jaswinder Kaur Dhillon has simultaneously undertaken the task of preparing a Punjabi-English Glossary of all the words of Guru Ravidas’s Bani included in Guru Granth Sahib. This Bani constitutes 40 Shabads containing many non-Punjabi terms. The Glossary will Endeavour to explain not only the literary meanings of all terms but their context also to the overall meaning of the concerned Shabads both in Punjabi and English so that even a person innocent of complexities of religion and philosophy may

comprehend these. It is hoped it is found worth of publication by the University. About 45% of the job is done. I hope to finish it by the end of March, 2010.

Besides these, the Chairperson of this Chair has also planned to take up the research project on the theme of “The Cardinal Concepts of Guru Ravidas’s Bani”. Her article “Gurdwara Nanak Matta and Nearby Gurdwaras” appeared in the Vol. XXXIII, 2009 issue of *Journal of Sikh Studies* published by Guru Nanak Dev University, Amritsar. She contributed an article “Guru Ka Banda- Banda Bahadur” for the Souvenir on Baba Banda Bahadur published by the SGPC, Amritsar in May, 2010. An article on “Sri Guru Nanak Dev Ji Tatha Bhagat Ravidas ji Ki Vichardhara : Ek Tulnatmak Adhiyan” was published in the August, 2010 issue of *Journal Sach Khand* published by Gurdwara Board Takhat Sach Khand, Nanaded (Maharashtra). Another article on “Bhagat Ravidas Ji Ka Prem Sandesh” was published in the October, 2010 issue of Quarterly Journal *Panchbati Sandesh* published by Dr. Balbir Singh Sahitya Kendra, Dehradun founded in the memory of the great Punjabi litterateur Bhai Veer Singh by his brother.

In November, 2009 she presented the paper “Gurdwaras in and around Sultanpur Lodhi” in the Annual Seminar on Guru Nanak Dev Ji, and another paper on “Origins of Gurdwara Institute” held by the Department of Guru Nanak Studies of this University on 22<sup>nd</sup> January, 2010. She delivered a Lecture on Applied Ethics under the Periodical Lectures Scheme of the Indian Council of Philosophical Research organized by the Department of Guru Nanak Studies of this University. She also presented a paper on “Professional Ethics: Sikh Perspective” in the Seminar on “Global Concerns and the World Religions” organized by this Department on 25-26 March, 2010.

**Academic Staff College**

During the year 2009-10, following General Orientation/Refresher/Short Term Courses were conducted by the Academic Staff College, Amritsar. More than 64 eminent scholars from different universities in India were invited as resource persons.

S. No.	Name of the course (RC/GOC /STC)	Dates	No. of Participants
1.	GOC-78	15-5-09 to 11-6-09	22
2.	RC-Punjabi	20-5-09 to 9-6-09	32
3.	GOC-79	12-6-09 to 9-7-09	30
4.	RC-Research Methods in Social Sciences	17-7-09 to 6-8-09	27
5.	GOC-80	18-9-09 to 15-10-09	15
6.	RC-Computer Science & Engineering	22-9-09 to 12-10-09	30
7.	RC-English	3-11-09 to 23-11-09	20
8.	RC-Library & Info. Sc.	10-11-09 to 30-11-09	21
9.	RC-Mathematics	4-12-09 to 24-12-09	31
10.	RC-Botanical & Env. Studies	18-12-09 to 7-1-10	40
11.	RC-Commerce & Management	12-2-10 to 4-3-10	24
12.	GOC-81	20-2-10 to 19-3-10	16
13.	RC-Hindi & Sanskrit	4-3-10 to 24-3-10	26
14.	GOC-82	8-5-10 to 7-6-10	26
15.	RC- Research Methods in Social Sciences	8-6-10 to 28-6-10	25
16.	GOC-83	11-6-10 to 8-7-10	20
17.	RC-Punjabi	2-7-10 to 22-7-10	21
18.	Short term Course on Computer Literacy	12-10-10 to 14-10-10	43

On the initiative of the University Grants Commission, the Advisory Committee of the Academic Staff College organized a short term course for the Academic Administrators on the broad theme of “Computer literacy” from October 12-14, 2010, for the benefit of the Heads/Deans/Directors and College Principals of this University and is intended to enhance their administrative skills by sensitizing them about the use of computer and information technology in their offices/institutes.

**All India Services Pre-Examination Training Centre and Centre of Preparation for  
Competitive Examinations**

Coaching classes for the following courses were undertaken by the Centre during the session 2009-2010.

Sr. No.	Course	Session
1	I.A.S./P.C.S.(Prelim.) Exam.	Jan. to April
2	U.G.C.(NET)	March to May
3	B.Ed. Entrance Test	April to June
4	I.A.S./P.C.S.(Prelim.) Exam.	Aug. to Nov.
5	U.G.C.(NET)	Sep. to Nov.

The Achievements of the students of this centre for the session 2009-2010 are as follows:

Sr. No.	Name of Student	Category	Examination	Selected as /Deptt.
1	Jatinder Kumar	SC	JRF (Pol.Sc.)	Qualified
2	Gurpreet Singh	GC	-do-	-do-
3	Kuljit Kaur	SC	JRF (Rel.Studies)	-do-
4	Ravinder Singh	SC	JRF (Pub.Admn.)	-do-
5	Nirmal Singh	SC	-do-	-do-
6	Suman Sharma	GC	JRF (Hindi)	-do-
7	Malkiat Singh	GC	JRF (Panjabi)	-do-
8	Sumeen Kaur	GC	NET (Management)	-do-
9	Rohit Dev	SC	NET (History)	-do-
10	Rajinder Singh	MC	NET (Rel.Studies)	-do-
11	Surjeet Singh	BC	NET (Pol.Sc.)	-do-
12	Maninder Kaur	GC	NET (Management)	Qualified
13	Harpreet Sidhu	GC	-do-	-do-
14	Urvashi Bali	GC	NET (Eco.)	-do-
15	Vaishali	GC	NET (Pub.Admn.)	-do-
16	Major Vishal Sharma	GC	IAS (Pre.)	-do-
17	Bikkar Singh	SC	IAS (Pre.)	Asstt.Comandent C.I.S.F.
18	Bikaramjit Singh Bhullar	GC	IAS/PCS(Pre.)	Excise and Taxation Inspector
19	Amrinder Pal Singh	GC	-do-	Inspector, Food and Civil Supply

**B.Ed. Entrance Test**

Sr.No.	Name of Student	Test Qualified	Institute of admission
20	Parveen Kaur	-do-	Shaheed Bhagat Singh College of Education, Patti
21	Nidhi Reen	-do-	D.A.V.Colleg of Education for Women, Amritsar
22	Harmeet Kaur	-do-	G.M.T.College of Education ,Ludhiana
23	Ravinder Kaur	-do-	Cheema College of Education, Krishan Kot, Ghuman (Gurdaspur)
24	Ravinder Kaur	-do-	-do-
25	Ramanjeet Kaur	-do-	-do-
26	Kuljit Singh	-do-	Lala Lajpat Rai College of Edu., Dhodike (Moga)
27	Satbir Kaur	-do-	Govt. College of Education, Jalandhar
28	Harpreet Kaur	-do-	Sant Hazara Singh College of Education, Gurdaspur

## Alumni Association

Alumni association has been involved in:

1. Record collection of old as well as final year students: Record of Old Students (Alumni) from all the Departments of University as well as Regional centres of the University has been collected and the old students have been encouraged to become Life Members of Alumni Association. Online membership shortly being introduced, information on individual's achievements, guest lectures, meetings, alumni meet etc. are regularly posted on the web site of the University.
2. Alumni Association's E-group: A unique e-group (GNDU\_Alumni\_Association@yahoogroups.com) of Alumni Association, GNDU, Amritsar has been created so that the students are easily approachable in a single email as well as information regarding job vacancies, wishes of all type of occasions are shared.
3. Support to Alumni: Working as a bridge between University and Alumni members, the information requested by any alumnus is collected from the relevant office of the university and transmitted expeditiously.
4. Budget for Alumni Meet: All the expenses of alumni meet are paid from the budget of alumni association. We help departments to clear their expenditures from accounts branch.
5. We are arranging to create alumni guest house, record update, Chapters in various locations etc.

## **Bhai Gurdas Library**

University Library was established in March 1979, in a five storied, inverted pyramid shaped magnificent building, directly visible from the main gate of the University on the Grand Trunk Road. It is centrally located with teaching departments all around. University Library has been named after the great Sikh Scholar Bhai Gurdas and is popularly known as Bhai Gurdas Library. Bhai Gurdas had rare privilege of taking dictation from the fifth Sikh Guru, Guru Arjan Dev Ji for the compilation of the holy scripture of the Sikhs, the Adi Granth.

The library remains open on all days of the year except on two National Holidays i.e. 26<sup>th</sup> January, and 15<sup>th</sup> August.

### **Library Timings**

Monday – Friday	9 AM – 9 PM
Saturdays, Sundays and other holidays	9 AM – 5 PM
Air-conditioned Reading Hall	24 hours open

### **Membership**

Membership is open for all faculty members, staff and students. The faculty members of colleges affiliated to this University can also become library members by paying security which is refundable.

Non-members can consult the library with prior permission of the librarian with entry fees of Rs. 10 per day or Rs. 200/- for a month. The visitor shall have to bring reference and recommendation from Head of Teaching Department of University or Principal of College, where he/she is studying.

### **Activities of Bhai Gurdas Central library during 2009-10**

**Library Holdings:** The University Library has a collection of about 4,27,000 documents (Including 1516 Manuscripts and 5177 Rare Books). A separate section of Prof. Pritam Singh's collection consisting of 9600 rare books and 850 Manuscripts in different languages has been established.

### **Circulation section**

The working of circulation section has been fully computerized from July 2010. All the books in English, Punjabi and Hindi have been bar-coded. During the academic session 2009-10 total 5348 members enrolled as under:

M. Phil Students	112
Postgraduate Students	2043
Undergraduate Students	1281
Teachers and Employees	1007+895=1902
Total No. of Issued/Returned books	38454

Books can be reissued and reserved by e-mail.

### ***DELNET***

University Library is a member of DELNET (Developing Library Network). This is helping the faculty members and researchers to procure those books, articles and documents which are not available in our University from other educational institutions through DELNET.

### ***Computer Section***

The library has its own computer section. All library operations such as housekeeping, bibliographic services, cataloguing of new books, preparation of data base of books with complete bibliographical details of all books and serial control are carried out by computer section. Bar-coding of new books is done at a rapid speed in order to make the circulation work fully computerized. It has prepared a number of databases of books, periodicals, manuscripts etc. Database of books written by faculty members has also been prepared by this section.

### **Website**

University Library has its own web page. The address of this web page is <http://library.gndu.ac.in> This web page can also be accessed from the Guru Nanak Dev University Website [www.gndu.ac.in](http://www.gndu.ac.in) under the Library option 'ON CAMPUS'.

This website contains useful information about library services. It also contains bibliographic detail of manuscripts in five volumes, department wise list of subscribed printed

journals, e-journals from INFLIBNET and list of Ph.D. theses. Website is updated regularly in order to cater to the needs of the users

#### **OPAC (Online Public Access Catalogue)**

University Library has prepared Databases of books in English, Hindi and Punjabi Languages. As soon as new books are purchased and processed, their bibliographic description is added in the OPAC. Four terminals have been dedicated for the readers to use OPAC for their search of books on first floor and 2nd floor. In addition to OPAC this facility is also available on INTRANET (<http://bgllibrary>) within University Campus to benefit the students/faculty members by giving access to catalogue at their respective departments.

#### **Digital Section**

Soft copies of M.Phil dissertations and Ph.D. theses in the form of CDs are available in this section. CDs of books, census reports, gazetteers etc. are also available in this section. Students, researchers and faculty members can have access to these CDs in this section.

Free Internet facility is provided to faculty members, research fellows and students. Twenty five new computers have been installed in this section. Free training to use internet is also provided to the new students.

This section provides access to e-journals, databases etc. The library is a member of Inflibnet UGC Info net e-journal consortium programme which is providing access to 6300+e-journals and some databases. Almost all the subject disciplines are covered in these journals.

#### **Microfilming and Preservation of Manuscripts**

Microfilming facilities are available for academic and research purpose only. Microfilming of rare books and manuscripts is in process. So far microfilming of 650 manuscripts has been completed. Conservation as well as preservation facilities are available for the manuscripts. Latest models of optimizers are used for preserving the manuscripts. Hand lamination of brittle manuscripts is done by the trained staff of the Library. Fumigation chamber is available for chemical treatment of infected manuscripts.

#### **Digitization**

University Library has 1516 rare manuscripts relating to Punjab History, Culture, Sikh Religion and other faiths having a lot of information about present Himachal Pradesh, Haryana, Punjab and North West Frontier Province of Pakistan. These Manuscripts are in Punjabi (Gurmukhi Script), Hindi, Sanskrit, Urdu, Persian and Arabic languages. The Library has prepared the catalogues of Bibliographic description of Manuscripts. Its five volumes are

available in print as well as CD/DVD form. All the Manuscripts have been fully digitized. In addition to manuscripts the library has 5177 rare books and digitization of these Rare Books is in progress. Most of these books relate to Indian as well as Punjab History, Sikhism, Hinduism, Islam, other faiths and various movements.

#### **Departmental libraries**

To serve the immediate needs of the students and the faculty, the library has also established 19 departmental libraries in various building. During 2009-2010 total 1518 books were transferred to these department libraries.

#### **Newspaper's archives**

Bhai Gurdas Central Library keeps record of nine newspapers of national repute. These back files of newspapers are used by the faculty members and students of social sciences for their research articles, dissertations, theses and books.

#### **Photocopy Service:**

Private Photocopy service @ 39 paise per page is available inside the library on 365 days on which the library remains open.

#### **Bibliographical Services:**

- 1) Bibliography of books on Saheed Udham Singh
- 2) Bibliography of books on Saheed Bhagat Singh
- 3) Bibliographic Survey of Sikhism : From Guru Nanak Dev to Maharaja Ranjit Singh

#### **Current Awareness Service:**

Students, research scholars and faculty members are constantly kept aware of the latest books through:

- i) **Books of the Month:** bibliographical detail of the books is sent to all the departments from time to time in print from as well as through E-mail.
- ii) Contents of the journals are e-mailed on demand.
- iii) Latest arrival of the journals is e-mailed to the faculty members/research scholars weekly.
- iv) Catalogue of New books also e-mailed to faculty and research scholar.

#### **Seminars:**

- i) National seminar on "Information Access Initiatives and Rural India" under ICSSR (Indian Council of Social Science Research) organized by Bhai Gurdas Central Library on June 25-26, 2009.
- ii) SATKAI Annual Function 2009 on "E-Libraries on the Indian Scenario" organised by Bhai Gurdas Central Library dated November 6, 2009.

**Awareness Programme:**

i) **Library orientation** programme is arranged for the new students in the beginning of the session to familiarize them with various library services, sections of library and their working.

ii) On 24/11/2009 the foundation day of Guru Nanak Dev University, an exhibition of Rare books, Manuscripts and Photographs was arranged.

iii) On 6<sup>th</sup> September 2010, One-day user's awareness programme regarding N-LIST (National Library and Information Services Infrastructure for Scholarly Content) with the help of Infflibnet (UGC), Ahmedabad was organized.

iv) Free training to use internet is also provided to the new students.

**Online**

University Library is also subscribing to IEL online From IEEE under INDEST-AICTE consortium. Under this consortia university is getting access to 233 researches E-Journal relating to Electronics Technology and Computer Sci. & Engg.

### Regional Campus, Jalandhar

1. New academic programmes initiated (UG and PG) in the Department: Nil
2. Innovations in curricular design and transaction: Some changes and updating of syllabus.
3. Inter-disciplinary programmes started: Nil
4. Candidates qualified: NET/SLET/GATE: One candidate
5. Total number of seminars/workshops conducted: One (mass comm.) + 8 (Laws)
6. Research projects: a) Newly implemented and b) Completed: Nil
7. Patents generated, if any: Nil
8. New collaborative research programmes: Nil
9. Research grants received from various agencies: Nil
10. Details of research scholars: Nil
11. Citation index of faculty members and impact factor: Nil
12. Honours/Awards to the faculty: Nil
13. Internal resources generated: Nil
14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST) DST, FIST, etc. UGC- SAP, DRS-II: Nil
15. Teachers/officers newly recruited: 3 staff members on contract basis
16. Teaching-Non-teaching staff ratio in the Department: 1:1(5 teachers + 4 non-teaching staff mass comm.) and 28:14 (Laws)
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: LLM (TYC), BA, LLB (Hons) FYIC and LLM.
18. Unit cost of education for each course in the department: Rs. 25000/-(per year) approx.
19. Increase in the infrastructural facilities in the Department: Nil
20. Technology upgradation: Purchase of LCD Projector, Handycam and Laptop
21. Activities and support from the Parent-Teacher Association: No
22. Activities of the Guidance and Counselling unit: Nil
23. Any other relevant information the institution wishes to add: Nil

### Regional Campus, Gurdaspur

1. New academic programmes initiated (UG and PG) in the Department: Nil.
2. Innovations in curricular design and transaction: New Curriculum designed by Board of Studies at Main Campus.
3. Inter-disciplinary programmes started: Nil
4. Candidates qualified: NET/SLET/GATE: Two candidate
5. Total number of seminars/workshops conducted: One
6. Research projects: a) Newly implemented and b) Completed: Nil
7. Patents generated, if any: Nil
8. New collaborative research programmes: Nil
9. Research grants received from various agencies: Nil
10. Details of research scholars: Nil
11. Citation index of faculty members and impact factor:
  - One Article published by one of the faculty member of Law Department has been cited by Karnatka High Court.
  - 4 articles of ECE Department have impact factor of 0.5.
12. Honours/Awards to the faculty: Ph.D. Degree awarded to one of the faculty member of Law Department
13. Internal resources generated: Nil
14. Details of Funding/activities from the departments getting SAP, COSIST (ASSIST)DST, FIST, etc. UGC- SAP, DRS-II: Nil
15. Teachers/officers newly recruited: 1 faculty member in ECE department
16. Teaching-Non-teaching staff ratio in the Department: 1:1
17. Courses in which student assessment of teachers is introduced and the action taken on student feedback: Nil
18. Unit cost of education for each course in the department: Data not available
19. Increase in the infrastructural facilities in the Department: Nil
20. Technology upgradation: Common Internet Lab with 30 new computers and 3 MBPS leased line.
21. Activities and support from the Parent-Teacher Association: Nil
22. Activities of the Guidance and Counselling unit: Nil

23. Any other relevant information the institution wishes to add: Computerization of administration and the process of on-line admissions have started w.e.f Session 2010-11. Results are also available at the University Website. In the regional Centre, a new dispensary, Common Internet Lab with 30 new computers and MBPS lease line has been established. Sports activities are also organized. One student of department of Business Management has participated in National Level Badminton Tournament. Students of the Campus actively participate in various events and win awards. Anti ragging committee has been set up to check and curb the menace of ragging.

## National Service Scheme

1. Number of NSS Volunteers allocated: 24000  
Actual Enrolment: 24090 (11005, male and 13085, Female)
2. Total Number of adopted villages/slums: 90
3. Total Number of Blood Donation Camps Held: 09  
Number of Blood Donors: Male: 108, Female: 49
4. Total Number of Sapling Planted: 9800
5. Students of campus and from affiliated colleges participated in Pulse Polio Eradication Scheme.
6. Summer Mega Camps and Adventure camps were organized by the Ministry of Youth Affairs and Sports. In these camps our volunteers participated in Hiking and Tracking and water rafting.
7. North-Eastern Youth Festival was organised at Kohima-Nagaland from 8<sup>th</sup> to 10<sup>th</sup> October 2009. Three volunteers from our university participated in this festivals.
8. A Refresher course for programme officers was organised at Dalhousie from 16<sup>th</sup> to 20<sup>th</sup> Sept. 2009.
9. To train the programme officers of NSS a ten days training and orientation course was organised at Guru Nanak Dev University from 16<sup>th</sup> Nov. 2009.
10. Three students of our university participated in Republic Day Prade at New Delhi in January 2009.
  - Number of NSS Volunteers allocated: 24000
  - Actual Enrolment: 24195 (male: 11075, Female: 13120)
  - Total Number of adopted villages/slums 90

- Total Number of Blood Donation Camps Held 40

Number of Blood Donors: 604 (Male: 450, Female: 154)

11. Total Number of Sapling Planted: 13500
12. Active participation in Pulse Polio Eradication Scheme by our volunteers.
13. National level Desert Safari was organized in Jaisalmer, Rajasthan from 1<sup>st</sup> Feb. To 8<sup>th</sup> Feb. 2010. Ten students from whole Punjab participated in the safari and out of ten, four were from our university.
14. Eight students and two programme officers attended Summer Adventure Camp at Shimla from 24<sup>th</sup> May to 2<sup>nd</sup> June, 2010.
15. Ms. Deepika of MGSM Janta College, Kartarpur visited China as a member of 100 Indian Youth Delegation from 17<sup>th</sup> June to 26<sup>th</sup> June 2010.
16. Four students attended the Mega N.S.S. camp at Delhi from 19<sup>th</sup> to 30<sup>th</sup> Sept. 2020.
17. A refresher course was organised at Dalhousie for programme officers from 9<sup>th</sup> to 30<sup>th</sup> Sept. 2010.
18. A ten days Training and Orientation Course to train the N.S.S. Programme officers was organised in the Guru Nanak Dev University from 10<sup>th</sup> to 19<sup>th</sup> Nov. 2010.
19. Five students of our university participated in Republic Day Prade at New Delhi in January 2010.

## Physiotherapy Centre

Sports Medicine Clinic is run in the University Health Centre on Tuesdays and Thursdays and provides treatment and advice to sports persons of North India along with this it also takes care of the problems related to orthopaedics of the employees of the university as well as their families. This clinic provides social humanitarian service to the ailing humanity.

The department also runs the Centre of Excellence in Sports physiotherapy for the practical training and research of the students and faculty members. The centre is equipped with the latest machines in physical medicine and provides treatment to Sports persons and faculty members.

The details of the number of patients including sportspersons examined and treated and physiotherapy sittings in the year 2009-2010.

	In the year 2009	In the year 2010 till date
No. of Patients	6793	6492
No. of Sports Persons	1952	1582
No. of Physiotherapy Sittings	23,627	24,627

The details of the sitting in Physiotherapy Centre and O.T for the year are as under.

	<b>Total sitting in the year 2009</b>	<b>Total sitting in the year 2010</b>
Diathermy	3580	2760
Ultrasound	3645	3292
Lumbar Traction	820	1149
Cervical Traction	734	1105
Exercise Therapy	4745	5081
Whirlpool	523	720
Wax Bath	1063	896
Infrared Therapy	626	540
TENS	3668	4154
Moist Heat	3420	4274
EMS	1001	642
<b>Total</b>	<b>23825</b>	<b>24613</b>

To give wide orientation, the department has collaboration with Medical College, Amritsar for teaching purpose in the Department of Neurology and Orthopaedics, anatomy, physiology, General Surgery, General Medicine and Psychiatry.

### **University Administration**

In the year 2009-2010, 196 students were extended financial assistance in the tune of Rs. 11,47,000/- out of university resources. In addition to this, a number of students were offered full and half-fee concession. Some of the reforms that have been made in the session 2009-2010 are mentioned below.

#### **Computerization of Examination System**

The University has taken a giant leap in computerizing the whole examination system.

- 1) Till date all the branches concerned with examination system and more than 500 classes have been computerized.
- 2) It has not only helped the university to save precious resources like money, stationary, time labour etc. but also to get a strong foothold in the Northern Region due to fast & efficient declaration of results and instant communication between administration and students
- 3) As previous system was all manual with no proper co-ordination, the computerization process has brought a revolution in the Examination System. Now from admission to

declaration of results, all work is done on latest computer systems and in a systematic way. Gazettes are electronically printed and all the results are uploaded on the university website, designed and controlled by Computer section (Exams).

The Branches Related with Examination System are:

- Examination Branches (I,II,III)
- Secrecy Branch
- Registration Branch
- Certificate Branch
- Conduct Branch
- Meetings Branch.

The main Measures of Computerized system are:-

- Admission entry from computer forms.
- Receiving computerized returns from colleges (fed by the software designed by computer Section (Exams) and given free of cost.
- Scanning photographs of the students to get it printed on DMC. It is a very foolproof security measure along with hologram marking.
- Computer generated centre statements.
- Award entry.
- Processing and making of results through computerized programs.
- E- Gazette printing and uploading on the website.
- Computerized printing of DMC in both Regional Language (Punjabi) and in English as per UGC ruling. It is printed instantly after the declaration of the result. This process has helped the student community to get their DMC on time.
- Printing of Degrees along with scanned photographs of the students.
- Notification process has also been computerized.

Work related with other branches to make it an Integrated “Examination Information system.”

- With the computerization of the Secrecy Department it has become very easy to track and locate the whereabouts of the answer sheets. Different Report formats have been

designed to get update on sheets received & sent to various centres. Proper record is maintained through different table formats.

- Computerization process has helped the Conduct Branch to smoothly manage the cumbersome Datasheet process and get it uploaded on the website.
- Registration process has become very secure and error free after computerizing the core system of getting students returns from colleges. Software designed by the computer section is given to colleges to bring the return in specified format which not only helped in saving the time, stationary and excess labour but also in removing the anomalies of manual system. It helped in achieving speedy admission process and get Registration Registers printed before schedule.
- Computerization process has helped the Certificate Section in easily locating the record and print the duplicate Degree or DMC if needed.
- It helped the Meetings Branch to design, modify and upload the syllabi of various classes on the website in efficient and smooth manner.

#### **Reforms taken in Examination system**

- The answer books of semester examinations of GNDU Campus and which are common with colleges have been shown to the candidates from Dec- 2009 Exams.
- The internal paper setting in all odd/even semester examinations of the GNDU Campus courses as well as RC, Jalandhar and RC, Gurdaspur and their internal evaluation has been introduced from the session 2010-11. Their answer books shall also be shown to the candidates.
- Coding/de-coding shall also be done by the Departments internally and result also prepared by them.
- Re-evaluation of semester examinations where answer books have been shown to the candidates has been discontinued.
- Cello Tape on marks has been applied on the award lists as well as answer sheets in the April 2010 examinations to avoid any misappropriation in marks.
- No answer book has been sent out of jurisdiction of the University for Evaluation.
- Results of all the examinations have been declared as per schedule

- M.Phil./Ph.D. Dissertation/Thesis evaluation system has been introduced as per UGC norms.
- M.Ed. thesis evaluation has been centralized.
- B.Ed./M.Ed. Question papers shall be supplied to the candidates in English, Punjabi and Hindi languages from April 2011 Examinations and they shall also have the liberty to attempt these question papers in any language.
- 12-pages Supplementary answer book has been discontinued. Only one answer book of 32 pages shall be given to the candidates, in all courses.
- Paper Setters have been requested to set the question papers in such a way that their answers should come in 32 pages
- Credit Based Grading System has been introduced in the University Departments.
- The number of examination forms has been minimized to 6 for all courses.
- All the Examination forms have been uploaded on the GNDU Website.

#### **Computerization : 2010-11**

- Display of DMC on website
- From Supplementary Examinations 2010 the University has started displaying complete DMC on the website. This will help the students to check their individual marks. This will help both the university and students to save time and money that get wasted on handling enquiries about DMC.
- Result information through SMS.
  - From Supplementary Examinations 2010 the University has also started sending results via SMS to the candidates on the Mobile Number registered by them with the University .This will help the university in achieving its long standing goal to instantly provide the result and other concerned information to the students.

#### **Computerization under process**

- Digitization of old records.
- This process will help the university to save old records that are on the verge of being lost due to the paper age factor and other unsupported conditions.

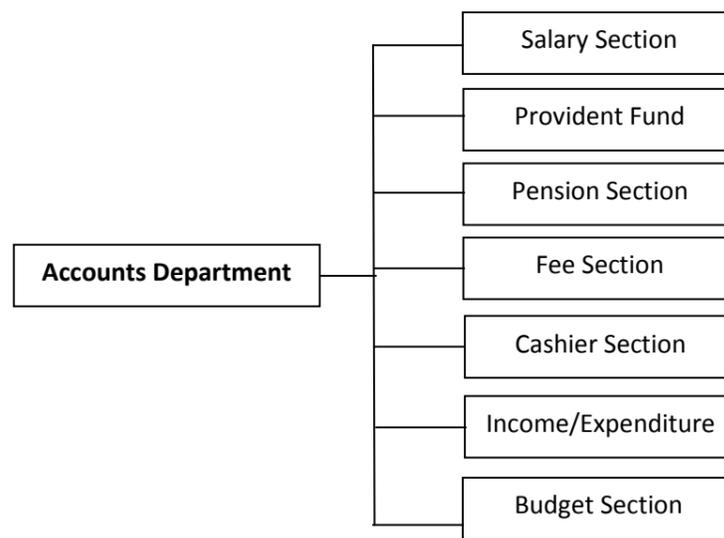
- This will give the old registers a new life. It will be more secure, safe and long lasting.

**Salary Section:** The salary software has been in use in the **salary section** which calculates salary of all employees working in this university and generates Payslips, Deduction Vouchers and other monthly reports required by the section. Salaries of employees are directly sent to the banks in electronic format (through text file) and the bank upload the salary directly from that file, instead of entering the data manually. Apart from this, e-TDS system has been designed, which prepare quarterly return of income tax and uploads and sent to the income tax department. Form16 is also prepared through this software and distributed to all employees for income tax return filling purposes.

**Pension System:** This software calculates pension of all the retired employees and generate their pension slips and other vouchers and then sent to the different banks. Apart from this, form16 is also prepared for the retired employees for filling their income tax return.

**Computerization of Accounts**

The process of computerization of accounts department started about 16 years ago in 1994 with one software designed for Salary Section. In year 2009-2010, all the sections of Accounts Department, shown below, are fully computerized.



**Provident Fund System:** This software prepare annual CPF/GPF account statement which contains opening balance of the previous year, all the entries of contributions and deductions by the employee and the university and the interest earned by the employee during that financial year.

**Cashier Section:** This software has been developed with a view to computerise the work in Cashier Section to improve the efficiency of cash collection from the students of affiliated colleges and others at different counters. The software is a multiuser system designed to collect tuition fee from the student enrolled in the campus and other fee like private/regular examination fee from colleges, migration fee etc and generate fee receipts. Five terminals are installed in the cashier section which is attached to the main server in the Accounts Department. This system also generates MIS reports like daily cash collection summary, Bank-wise draft list and class-wise fee reports which are used by the **Fee Section/Income Section**.

**Income/Expenditure Section:** Multi-user software for the Income and Expenditure Section is being used by replacing the existing manual system. This software has the following features:

1. Cheque Printing
2. Preparation of Income Register
3. Budget-Heads wise Summary of Income & Expenditure
4. Account Ledger
5. Account Statement
6. Budget Head/ Sub-Head Control Statement

**Budget Section:** Window based applications like Adobe Page Maker and Excel are also used for preparation of Annual Budget of the University.

#### **Recent Developments (2009-2010)**

**E-Governance:** Since all the departments of the university are inter-connected through fibre optic cable, an intranet- based application has been designed to provide useful information to the teachers and other employees while sitting at their computers in their departments. They do not need to come to the accounts branch to collect the information. The software provides the following information related to the Accounts Department:

2. Salary Slips of each month in the current financial year.
3. Annual Salary Statement showing salary of whole year.
4. Form 16 duly signed by the Registrar.
5. CPF/GPF Annual Statement
6. Balance Status of a specific Budget-head of any department.
7. Service book record including Privilege leave/Medical leave.

### **Online Application Fee Deposit has been initiated.**

#### **Future Developments**

In the current environment, although the cashier section is fully computerized, yet the students have to come to the university to pay their fee and other dues. There is no provision to pay their fee online. In the peak time, Students face difficulties to pay their fee at the cash counters due to heavy rush. Now a days, a majority of students are comfortable paying their fee over the Internet. So Keeping in view of the above fact, an online application for fee Collection service is being developed, which will provides the following benefits:

- Students need not to come to the cash counter in the University campus to pay their dues.
- One of the best reasons to have online fee collection is that it allows the students to pay their dues at any time of day, on any day, instead of having to worry about making payments during working hours only.

#### **University Health Centre**

Health Centre provides comprehensive diagnostic and treatment facilities to university employees and their families, students and retired persons. The center has always tried to move according to the wishes of the masses and this institution has always tried to impart impartial services. Within a short span of 5 years only, lot of development has taken place due to the sincere efforts and cooperation of university administration for the benefit of the patients; and this center is planning to add up more in the near future.

The centre has a team of one of the most skilled doctors in their field which includes Dr. Sunil Kumar, M.D. (PGI) (senior Medical Officer Incharge), Dr. H.P. Singh, (Senior Medical Officer), Dr. Harpreet Kaur (Lady Medical Officer), Dr. Pawan Sharma (Dental Medical Officer), Dr. Jaspal Singh Sandhu, M.S. (Consultant Orthopaedist) and Dr. Dinesh Kumar (Ayurvedic Medical Officer).

The Centre is equipped with most modern diagnostic facilities like SEMIAUTOMATIC RA-50 BLOOD CHEMSITRY AUTOANALYZER, Fully automatic haematology cell counter, 3-CHANNEL ECG, DENTAL CHAIR CUM-X-RAY UNIT AND ULTRA SOUND. In the session 2010-11, HbA<sub>1</sub>C analyzer, fully automatic urine chemistry analyzer. University has very recently purchased 800-mA Fluoroscopic X-ray unit with I.I.T.V are being installed installed in the Health Centre and the facility will be available to University patients shortly. Centre is having an Operation Theatre specifically designed with all kinds of most modern equipments

like Digitally Controlled Hot air ovens; autoclaves glass bead sterilizer, and complete resuscitation kit, electric suction machine for the management of emergency patients and separate male and female wards for admitting patients. The center also provides immunization facilities for neonates. It also has an Ambulance van which is geared for emergency services for 24 hours.

Health Centre remains open for 24 hours and one set of Pharmacist and attendant is available in the health centre every time. One of the medical officers remains available on the campus after the health centre hours. To manage any urgent attention among girl students, the health centre has set up a medical room in the girls' hostel itself and a staff nurse is available in the hostel from 8.00 PM to 8.00 AM daily, even on Sunday & Holidays.

### **University-Industry Linkage Programme**

University-industry linkage program has been started to motivate the industry to increase university-industry cooperation. The first and foremost activity is that of “university-industry linkage programme” Amritsar used to be industrially vibrant before the onset of political disturbances in early eighties. Textile industry used to be the backbone of Amritsar economy and during the 1990s this industry was passing through a bad phase. A large number of industrial units were closed down and the number reduced from 200 to 18. The industrialists of Amritsar in particular and from other areas of Punjab in general had a long-cherished demand that there should be a testing lab of repute in this area. Moreover, the Punjab pollution control board (PPCB) has made it mandatory for the industries to analyse their effluents before the discharge into any type of water body. There are different criteria, which they have to fulfil before the discharge of their effluents. The industries have to maintain a record of self-monitoring of their Effluent Treatment Plants (ETPs).

In the above mentioned context, the University-Industry linkage programme was formulated with the following objectives:

- a. To provide the access of well-trained graduates, postgraduate and knowledgeable faculty to industry.

- b. To conduct research to find solutions of the specific problems faced by the industry and to provide professional expertise, not usually available in individual industry.
- c. To provide the access to research/processing facilities available in the university departments, which are not available in the industry.
- d. To develop textile and food industrial service centre.
- e. To establish pollution and chemical testing lab.
- f. To provide assistance in continuing education and training to the individuals of the industries.

In the late 1996 the textile Industrial Centre was established in the Department of Applied Chemical Sciences and Technology with financial assistance from Central Wool Development Board Jodhpur, Ministry of Textiles, Govt, of India and international Wool Secretariat (IWS) now known as Wool Mark Agency. To begin with, it was voluntary as a kind of social responsibility of the industries in the region. The industries were charged take off occurred after 2001. At present the lab has facility for 40 textile testing, four for oil/lubricants tests and 21 miscellaneous tests. At present the lab is well established and institutionalised. The testing lab for pollution and effluents is located in the chemistry department, which is also carrying out the testing. The growth of these centres is directly related with the growth of industry.

Presently, the university has signed MOU with Ranbaxy Laboratories, Gurgaon for establishing synthesis of organic molecules for their possible application as drugs.

Some of the departments, namely, Guru Ram Das School of Planning, Food Science & Technology, Microbiology, Department of Pharmaceuticals, Department of Applied Chemical Sciences & Technology, Department of Botanical & Environmental Sciences, Centre for Genetic Disorders and Architecture are providing consultancy and analysis services to the industry.

Under this programme seminars were also organised in collaboration with industry. A seminar on “Soya Foods and their Health benefits” was organised in collaboration with American Soybean Association (ASA) and food industries involved in Soya processing on 11<sup>th</sup> April 2009. Another Seminar is being organised by Department of Applied Chemical Sciences in collaboration with Thermo Fisher Scientific India Pvt. Ltd. on Rheology- A new perspective in Food, Sugar and Pharmaceutical Research” on 3rd December, 2010.

Five students of Department of Food Science & Technology were deputed for “Trainer Programme” organised by ASA at New Delhi in September, 2009.

Many universities departments have started identifying the research problems, keeping in view their expertise and facilities available, which are of industrial importance. This is providing the students and faculty with the exposure about to real industrial research problems. Faculty members and B.Tech (Food Technology) students of the Department of Food Science and Technology worked, made a research proposal on “Successive reduction milling of different corn types” in collaboration with BNF Mills Batala. The findings of work jointly done by department and BNF Mills under this proposal were published in international journal of repute (Food Chemistry, 113, 71-77, 2009). Many faculty members are working in collaboration with National Sorghum Research Centre, Hyderabad and National Bureau of Plant Genetic Resources, New Delhi, IIT, New Delhi, CIPET, Ludhiana and also have collaborated funded projects.

### **University Scientific Instrumentation Centre (USIC)**

The USIC department of Guru Nanak Dev University had been established in 1977 with the financial help of level-I from UGC with the following objectives:-

1. To repair and maintain the sophisticated instruments of various departments of University.
2. To fabricate small instruments with the help of science departments of University.
3. To install liquid nitrogen plant and to supply liquid nitrogen to various departments of University for research purposes.
4. To provide P.A. system services for different functions/ programmes of University.

The details of the activities in different Workshops of USIC departments are given below:-

#### **Electronic Workshop**

In electronic workshop, about 280 jobs were completed so far the Instruments repaired in this workshop included water circulated, U.V. visible spectrophotometer, U.V. Light Chamber, Hot air oven, Magnetic Stirrer, Automatic Voltage Stabilizer, Servo-control Stabilizer, Physiotherapy lamber traction, Drybath apparatus, Power supplies of Microscope, Adaptor, Heating mental, Aspirator pump, Melting point apparatus, Heat Blower, Conversion Digital

circuits, Spectrophotometer, CVT, Incubator, Over-head projector, Electrical oven, Hot air blower, Hot – plate, Extension Board, Door-bell, Electronic Balance, Calculators etc.

#### **Optical Workshop:**

In optical workshop about 213 jobs were completed. The instruments like Binocular Microscope, Stereoscopic Microscope, Metro Scopic microscope, Student microscope, Polarimeter and Electrical Balances were repaired. Many students of Applied Physics department were given training in practical aspects of optical components.

#### **Liquid Nitrogen Plant**

Liquid nitrogen plant was installed in 1981 in USIC department to supply liquid nitrogen to various departments for research purposes. It has prepared 6055 litres of liquid nitrogen so far.

#### **P.A. System**

Public Address System services were being provided to different departments for various occasions like seminars, conference, workshops, indoor functions, admission counselling and placement etc.

### **Dean Students Welfare**

The office of the Dean Students Welfare (DSW) is associated with the students of the campus and organises various activities related to overall development of the students. A summary of the activities undertaken by this office in the current session include:

1. Interdepartmental cultural function “Jashan” was organised to give boost to the talent of the students.
2. For participating in the youth festival, teams in various disciplines were selected. Even a music instructor has been appointed on part time basis to take care of such preparations.
3. To keep the youth away from the menace of Drug Addiction, a Nukkad Natak “Nasha Mukh Punjab” was organised.
4. For the entertainment of students, a cultural evening was organized and noted singers “Wadali Brothers” were invited for the entertainment of the students.

5. To popularise Siffism among the students along with other cultural activities, a musical concert was organized in which noted “Warsi Brothers” from Pakistani were invited for performance.
6. Among other jobs, new flooring was laid in students’ hostels and provision for the purchase low price and good quality grocery from “Best Prize” departmental store was created to maintain hygiene and for the betterment of students.
7. Water purification systems were installed in university hostels for the consumption of students.
8. Additional details of the jobs undertaken in the hostels can be obtained from/hostel warden and/or DSW’s office.
9. The office of DSW assures maintenance of discipline among the resident students of the hostels.
10. Election of students’ body was organised.
11. The NSS and NCC units of the university coordinate their activities through office of the DSW.
12. The facilities in the students’ centre were upgraded and new badminton courts were provided.
13. Such activities were also organised for the students of associated campuses in Jalandhar and Gurdaspur.

### **Section C**

Outcomes achieved by the end of the year:

The achievements of each department/centre/section have been compiled in their respective details given under Section B. This was first year of the establishment of IQAC in GNDU. However, since the Quality objectives of GNDU have been defined, Departments have been encouraged to adopt these and collect information from different stake holders connected with higher education. It is hoped that from next year, much more detailed information about the

progress of educational activities shall be compiled in the second annual report of IQAC of GUND.

#### **Section D**

Plans of HEI for the next year:

- Collection of Feed-back on appropriate feed-back Performa from different stake holders.
- Internal Audit of the first report of IQAC and invitation of suggestions to further improve the functioning of IQAC for quality improvement of education and research in GNDU.
- To undertake reforms in the functioning of non-teaching staff/offices.

*(Dr. Kamaljit Singh)*

*Director IQAC*

*(Dr. Ajaib Singh Brar)*

*Vice-Chancellor*

*Chairman, IQAC*