



Annual Report 2010-11



Central University of Punjab, Bathinda

(Established vide an Act of Parliament in 2009)

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Central University of Punjab-City Campus





Central University of Punjab

Bathinda

(Established vide an Act of Parliament in 2009)

ANNUAL REPORT

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2010-11

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1. Overview

1.1 From the Vice Chancellor's Desk

The Central University of Punjab made a humble beginning from a small camp office located in Bathinda City in 2009. In a short span of only two years, this university has entrenched itself as a vibrant educational institution in this part of the country. We are now ready to face the challenges of twenty first century. It was a real challenge for my team to work against all the odds to give a concrete shape to the ideas of academicians, architects, engineers and the stake holders. We endeavor to carry out meaningful teaching and research in the most relevant and latest fields of knowledge. With our highly qualified faculty, latest curricula, state of the art laboratories and innovative teaching methods we will ensure that our pass outs prove to be the future leaders in academics, research and entrepreneurship. An encouraging beginning has been made and a good growth rhythm is being maintained with the goal of being counted among the best known institutions of the country.



The academic year 2010-11 was an era of great challenge for us, but with the untiring efforts and active cooperation of my colleagues, we have been able to metamorphose a piece of barren land having dilapidated buildings into a humming campus with all the necessary facilities of any institution of higher learning like a world class Computer Centre, Molecular Genetics Laboratory, Tissue Culture Laboratories, Environmental Science Laboratory, Chemical Sciences laboratory and Central Instrumentation Laboratory. The environment was never compromised while creating infrastructural facilities of the university. Beautiful landscaping with lush green lawns, power wind mills and optimum use of solar power speaks of our commitment to build a green campus.

During the year, the university gave due importance to extracurricular activities. Several eminent scholars from diverse fields were invited to deliver lectures and interact with the faculty and students. On different occasions competitions like photography and painting were successfully organized.

I feel happy to share that the University Library is going to be equipped soon with Electro Magnetic Security and Radio Frequency Identification System, Close Circuit TV Cameras, sophisticated Library Management Software and other technological gadgets. Very soon this library will be comparable with any standard university library anywhere in the country.

The university is committed in the pursuit of excellence in higher education and research. The fully equipped laboratories, library and classrooms speak of the efforts put in by a strong team of academicians, administrators and other supporting staff of this university. The four centers of studies started by the university viz., Centre for South and Central Asian Studies, Centre for Environmental Science and Technology, Centre for Biosciences, and Centre for Comparative Literature have proved to be a great success and the university is striving to put these centers on international map.

Work is in progress at the main campus of 500 acres situated at village Ghudda on Bathinda-Badal road. Once completed, this will be a model for rest of the educational institutions of the Malwa region which is planned to become educational hub for Punjab. I am confident that in the coming years the Central University of Punjab would establish itself as a leading institution of higher learning not only at national level but also at international platform.

Jai Rup Singh

Prof. Dr. Jai Rup Singh
Vice Chancellor

1.2 Executive Summary

While the year 2009-10 was the time for initial planning, the year 2010-11 proved to be year of consolidations. The efforts put by teachers and other staff started showing results at academic as well as infrastructural level. Ruins of yesteryears have been transformed into a well planned green campus. Well-equipped laboratories, fully furnished class rooms, a seminar hall, a modern automated library, well lit corridors, ultra-modern computer centre and lush green campus reveal that we are moving in the right direction.

During the period under report, Centre for Environmental Science and Technology, Centre for Comparative Literature, Centre for Biosciences and Centre for South and Central Asian Studies were strengthened with recruitment of two professors and thirteen Assistant Professors.

An encouraging increase in the number of students who appeared for the entrance examination held in the year 2010 reflects the increasing popularity of the courses being offered by the university. The fact that as many as 154 candidates appeared in All India Entrance Examination held in 2009; in 2010, number of candidates rose to 198, recording an increase of 28%. The trend speaks that innovative M.Phil.-Ph.D. Integrated Programmes offered by the university are well taken by masses.

The very fact that our students and faculty represent the states of Assam, Bihar, Haryana, Himachal Pradesh, Jammu and Kashmir, Kerala, Madhya Pradesh, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh, West Bengal and the Union Territory of Chandigarh indicates the cosmopolitan image of this university.

Computer Centre and various research laboratories viz., Biosciences, Tissue Culture and Environmental Science have been strengthened with latest state of the art equipment like 3730XL 96 Capillary High Throughput DNA Sequencer, Olympus FSX-100 microscope, Physiograph, Electrophoresis units for DNA/RNA and Proteins, cold centrifuges, micro centrifuges, COD Digester, Automated BOD and, CO₂ Incubators, etc.

The University Library is being planned on modern lines. With more than 8,000 books on shelves, five thousand full text online journals, a fully air conditioned reading hall; this library is coming up as first high tech academic library of the region.

While strengthening its academic set up, the university did not lag behind in extracurricular activities. During the period under report renowned academicians of the country visited the university to deliver lectures on important topics like Right to Information Act, Elimination of Violence Against Women, Kashmir Problem, Global Morality, etc. In addition, important occasions like Republic Day, Independence Day and Foundation Day of the university were celebrated with great fervor.



1.3 Central University of Punjab: A beginning

Established under the Central Universities Act No. 25 (2009), the Central University of Punjab, Bathinda in the Malwa region is the first educational institution of higher learning in this otherwise educationally backward region of Punjab. This university had a very modest beginning. Prof. Dr. Jai Rup Singh joined as the first Vice Chancellor of the university on February 28, 2009. Initially, Camp Office of the university was established at Vice Chancellor's residence situated at Civil Station, Bathinda. After consideration of various locations for establishment of the university, finally it was zeroed down to an abandoned site of *Bathinda Cooperative Integrated Cotton Ginning and Spinning Mills* for conversion into the transit campus of Central University of Punjab. In October 2009, the university started functioning from this 37 acre premises. Indeed, the campus provides most suitable, pollution free and eco-friendly atmosphere. The main campus of the university will be built on 500 acre site near village Ghudda on Bathinda-Badal road.



Green Gateway of University

The present campus, called the 'City Campus' of Central University of Punjab is located just 5 Km away from the main bus terminal of Bathinda city. The campus is an excellent example of transformation of a barren piece of land into a humming university campus with all the facilities of an ideal institution of higher learning in record time. A very good beginning has been made and rhythm of growth clearly reflects a commitment to make this university a world class institution.

1.4 Objectives, Mission and Vision of University

Objectives

To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit.

To make special provisions for integrated courses in humanities, social sciences and science and technology in its educational programmes.

To take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research.

To educate and train manpower for the development of the country.

To establish linkages with industries for the promotion of science and technology.

To pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

Mission Statement

Our Mission is:

To offer a wide range of instructional and research facilities across integrated and cross-disciplinary studies.

To promote innovation in teaching, learning, evaluation, research and consultancy services.

To create an ignited workforce responsive to regional, national and global needs in tune with the requirements of academics, industry, business and administration.

To participate in the problems and concerns of the surrounding community and the civil society.



Vision Statement

The Central University of Punjab envisions:

To uplift and upgrade the standards of teaching, learning and research to global levels of excellence.

To create international benchmarks in research, patents and consultancy services.

To strategize to become a global epicenter of knowledge, culture, skills and technologies.

To develop a scientific temper and a performance culture of pro-active decision-making.

To act as a catalyst of change by setting high bench-marks in infrastructural growth, in academic and co-academic excellence, in learning and evaluation, in social interfacing with the stake-holders, in human resource development, in safety and security systems, in process management, and in seamless integration with the surrounding communities.

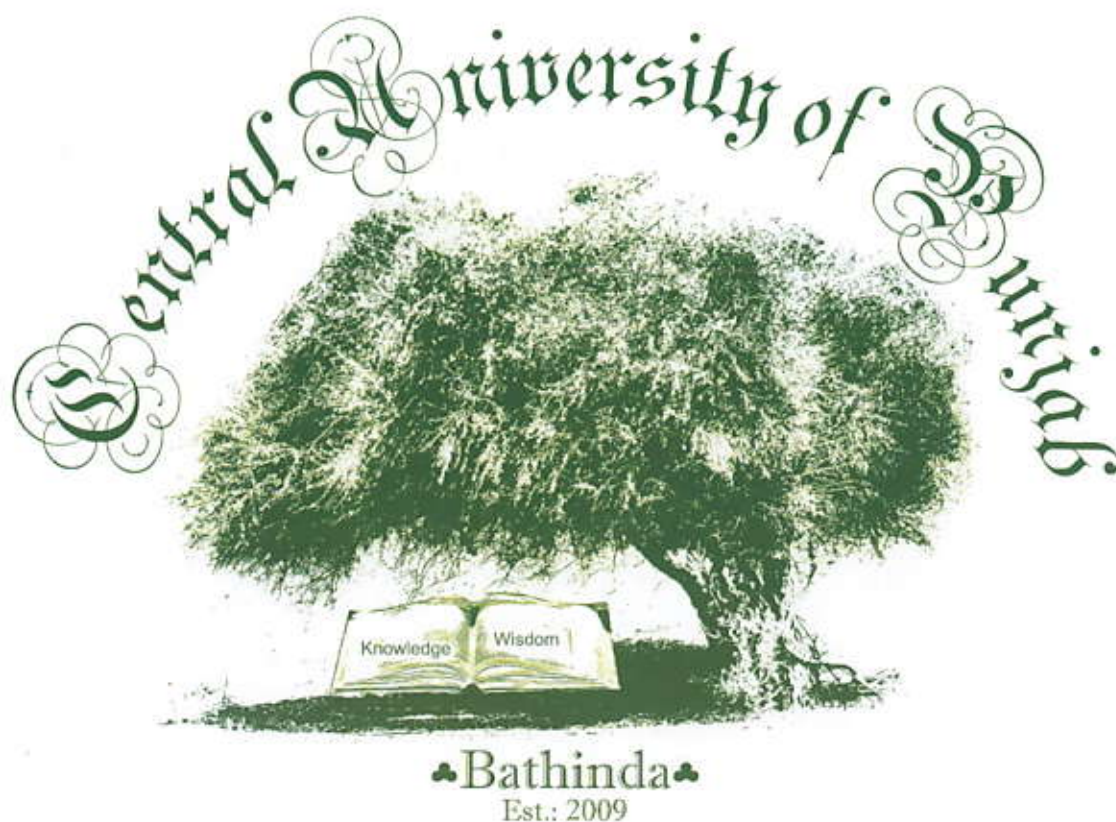
To cross-pollinate with new ideas, new technologies, new platforms and new world-views.

To continue expanding and exploring, locally, nationally and globally.

1.5 The University Logo

'Van' (Pilu in Punjabi and Hindi) tree found usually in arid regions that can withstand exceptionally high soil salinity has been adopted as logo of the Central University of Punjab. Botanically known as *Salvadora oleoides*, the tree remains green even under the extreme climatic conditions.

The university logo is a message to humanity to remain active and cheerful even under the adverse circumstances. The tree 'Van' also finds mention in 'Mahabhart', its symbolic meaning also reflects the mystical heritage of Sufi Saint Peer Haji Rattan who meditated in Bathinda, and also the spiritual and humanistic legacy of 10th Sikh Guru, Gobind Singh who visited this area in the beginning of 18th century. The open book under the tree symbolizes the knowledge and wisdom.



The University Logo

1.6 Statutory Bodies of the Central University of Punjab

As per Statute, the governing bodies of Central University of Punjab, viz., Executive Council, Academic Council and Finance Committee were constituted by the Visitor. However, Planning Board and Building Advisory Committee were constituted by the university itself. Below is the detail of these committees:

Executive Council

1. **Prof. Dr. Jai Rup Singh**
Vice Chancellor (*Ex-officio Chairman*)
Central University of Punjab
Bathinda - 151 001.
2. **Secretary (*Ex-officio member*)**
Ministry of Human Resource Development
Department of Secondary and
Higher Education, Government of India
Shastri Bhawan
New Delhi - 110 001.
3. **Principal Secretary (*Ex-officio member*)**
Department of Higher Education
Government of Punjab, Mini Secretariat
Sector 9, Chandigarh - 160 009.
4. **Prof. Dr. Seyed E. Hasnain**
(Former Vice-Chancellor
University of Hyderabad)
Kusuma School of Biological Sciences
Indian Institute of Technology
Hauz Khas
New Delhi - 110 016.
5. **Prof. Dr. K. K. Talwar**
President
National Academy of Medical Sciences
Ansari Nagar, Mahatma Gandhi Marg
New Delhi - 110 029.
6. **Prof. Dr. K. B. Powar**
Former Vice-Chancellor
Shivaji University, Kolhapur
15, Marvel Memories, Ramnagar Colony
Bavadhan
Pune - 411 021.



Members of Third Executive Council during a meeting on October 28, 2010



Meeting of the Academic Council
October 4, 2010



7. **Prof. Dr. H. P. Dikshit**
(Former Vice-Chancellor, IGNOU, NewDelhi)
Director General School of Good
Governance and Policy Analysis
C-403-404 4th Floor, Narmada Bhawan
59, Area Hills Bhopal - 462 011.
8. **Prof. Pankaj Chandra**
Director
Indian Institute of Management
Bannerghatta Road
Bengaluru - 560 076.
9. **Prof. Dr. S. C. Saxena**
Director
Indian Institute of Technology
Roorkee - 247 667.
10. **Professor Moin Uddin**
Pro Vice Chancellor
Delhi Technological University Shahbad
Daulatpur Main Bawan Road
New Delhi - 110 042.
11. **Prof. G. K. Chadha**
CEO, South Asian University
CRS Language Lab, JNU Old Campus Aruna
Asaf Ali Road
New Delhi - 110 067.

Academic Council

1. **Prof. Dr. Jai Rup Singh**
Vice Chancellor (*Ex-officio Chairman*)
Central University of Punjab
Bathinda - 151 001.
2. **Prof. Dr. N. K. Ganguly**
(Former Director General, ICMR)
Biotechnology Fellow and Advisor
Translational Health Science Technology
Institute National Institute of Immunology
Aruna Asaf Ali Marg
New Delhi - 110 067.
3. **Prof. Dr. Deepak Pental**
(Former Vice Chancellor, Delhi University)
Department of Genetics, University of
Delhi, South Campus
New Delhi - 110 007.
4. **Dr. Sudarshan Iyengar**
Vice Chancellor
Gujrat Vidyapith
Ahmedabad - 380 014.
5. **Prof. Dr. D. P. Singh**
Vice Chancellor
Banaras Hindu University
Varanasi - 221 005.
6. **Prof. Dr. Vijay Khole**
(Former Vice Chancellor, University of
Mumbai)
Chief Academic Advisor
Kohinoor Education Trust, Kohinoor
Corporate Office, Senpatio Bapat Marg
Dadar (W)
Mumbai - 400 070.
7. **Prof. Dr. Veer Singh**
Vice Chancellor
NALSAR University of Law
Hyderabad - 500 078.
8. **Prof. Dr. Gurjeet Singh**
(Former Vice Chancellor, Rajiv Gandhi
National Law University, Patiala)
Director General National Law School and
Judicial Academy
Guwahati - 781 001.
9. **Prof. Dr. N. Sathyamurthy**
Director
Indian Institute of Science Education and
Research (IISER)
Mohali - 160 062.

10. **Prof. Dr. K. N. Pathak**
(Former Vice Chancellor, Panjab University Chandigarh)
Professor Emeritus, Panjab University Chandigarh - 160 014.
11. **Prof. Dr. K. K. Aggarwal**
Former Vice Chancellor
Guru Gobind Singh Indraprastha University Partap Ganj
Delhi - 110 075.
12. **Prof. Dr. D. S. Rathore**
(Former Vice Chancellor Himachal Pradesh Krishi Vishwavidyalaya)
15/15, Indira Nagar
Lucknow - 226 016.
13. **Prof. Dr. Harjit Singh**
Professor Emeritus
Department of Chemistry, GNDU
Amritsar - 143 005.
14. **Prof. Dr. V. Krishnan**
Hon. Professor, Jawaharlal Nehru Centre for Advanced Scientific Research
Bengaluru - 560 064.
15. **Prof. Dr. Mushahid Hussain**
Professor of Physics
Jamia Milia Islamia
Delhi - 110 025.
16. **Prof. Dr. A. K. Sood**
Professor of Physics
Indian Institute of Science
Bengaluru - 560 012.
17. **Prof. Dr. Indu Banga**
Emeritus Professor
Department of History, Panjab University Chandigarh - 160 014.
18. **Prof. Dr. Abhai Man Singh**
(Former Professor of Physics and Director South Campus Delhi University)
405-A, IIA Apartments, B-7
Vasundhara Enclave
Delhi - 110 096.
19. **Prof. Dr. R. K. Bedi**
Department of Physics
Guru Nanak Dev University
Amritsar - 143 005.
20. **Prof. Dr. Partha P. Majumdar**
Director
National Institute of Biomedical Genomics Netaji Subhas Sanatorium (T.B. Hospital)
2nd Floor, P.O. N.S.S.
Kalyani - 741 251.
21. **Prof. Dr. Javeed Alam**
(Retd. Professor of European Studies, University of Hyderabad)
102, Sai Saraswati Residence
Ravindranagar, Sitafal Mandi
Hyderabad - 500 061.

Finance Committee

1. **Prof. Dr. Jai Rup Singh**
Vice Chancellor (*Ex. Officio Chairman*)
Central University of Punjab
Bathinda - 151 001.
2. **Shri J. S. Raju**
Joint Secretary and Director General
National Literacy Mission Authority
Ministry of Human Resource Development
Department of School Education and Literacy
Shastri Bhawan,
New Delhi - 110 001.
3. **Prof. Dr. S. K. Salwan,**
(Former Vice Chancellor, Punjab Technical University, Jalandhar)
Dr. B. D. Nag Chaudhari, DRDO Chair
Distinguished Professor and Chairman
Armaments Research Board
Government of India, Ministry of Defense
Defense Research and Development Organization 4th Floor, DRDO Bhawan
Rajaji Marg
New Delhi - 110 011.



4. **Prof. Dr. H. P. Dikshit**
(Former Vice Chancellor
Indira Gandhi National Open University)
Director General, School of Good Governance
and Policy Analysis C-403 -04
4th Floor, Narmada Bhawan
59, Arera Hills
Bhopal - 462 011.
5. **Shri N. S. Rattan**
(Former Vice Chancellor
Punjabi University, Patiala)
168, Sector 33 A
Chandigarh - 160 020.
6. **Shri Naveen Soi**
Director, Department of Higher Education
Ministry of Human Resource Development
Shastri Bhawan
New Delhi - 110 115.
7. **Dr. Shakeel Ahmad**
Deputy Secretary
University Grants Commission
Bahadur Shah Zafar Marg
New Delhi - 110 002.

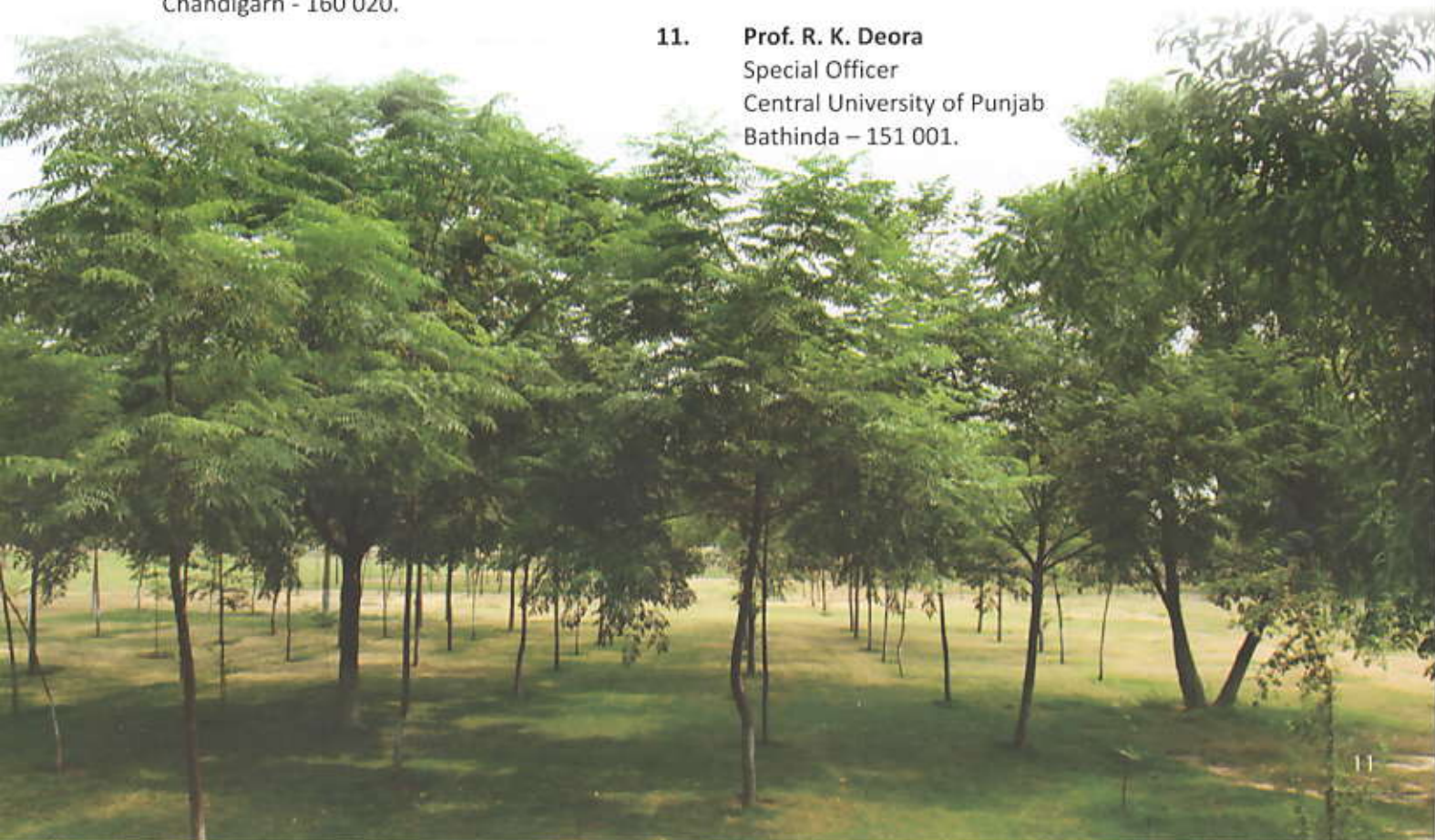
Planning Board

1. **Prof. Dr. Jai Rup Singh**
Vice Chancellor (*Ex-Officio Chairman*)
Central University of Punjab
Bathinda - 151 001.
2. **Prof. Dr. Seyed E. Hasnain**
(Former Vice Chancellor
University of Hyderabad)
Kusuma School of Biological Sciences
Indian Institute of Technology
Hauz Khas
New Delhi - 110 016.
3. **Prof. Dr. K. B. Powar**
Former Vice-Chancellor
Shivaji University, Kolhapur
15, Marvel Memories, Ramnagar Colony
Bavadhan, Pune - 411 021.
4. **Prof. Dr. S. K. Salwan**
(Former Vice Chancellor,
Punjab Technical University, Jalandhar)
Dr. B.D. Nag Chaudhari, DRDO Chair
Distinguished Professor and Chairman
Armaments Research Board
Government of India, Ministry of Defence
Defence Research And Development
Organization, 4th Floor
DRDO Bhawan, Rajaji Marg
New Delhi - 110 011.
5. **Prof. Dr. P. P. S. Kapur**
(Former Pro-Vice Chancellor
Guru Nanak Dev University, Amritsar)
10-C, Rajguru Nagar, Ferozpur Road
Ludhiana - 141 001.
6. **Prof. Dr. P. Ramarao**
Dean, School of Basic and Applied Sciences
Central University of Punjab
Bathinda - 151 001.
7. **Prof. Dr. Harjit Singh**
Department of Chemistry
Guru Nanak Dev University
Amritsar - 143 001.
8. **Prof. Dr. Ashwani Kumar**
Department of Microbiology
University College of Medical Sciences
Delhi - 110 095.
9. **Dr. R. S. Khandpur**
Director General Pushpa Gujral Science City
Jalandhar - Kapurthala Road
Kapurthala - 144 601.



Building Advisory Committee

1. **Prof. Dr. Jai Rup Singh**
Vice Chancellor (*Ex-officio Chairman*)
Central University of Punjab
Bathinda - 151 001.
2. **Prof. Dr. Moin Uddin**
Pro-Vice Chancellor
Delhi Technological University
Shahbad Daulatpur, Main Bawan Road
Delhi - 110 042.
3. **Prof. Dr. Gurjeet Singh**
(Former Vice Chancellor Rajiv Gandhi
University of Law, Patiala)
Director General, National Law School and
Judicial Academy
6, Bhuban Road, Uzan Bazar
Guwahati - 781 001.
4. **Prof. Dr. P. Ramarao**
Dean, School of Basic and Applied Sciences
Central University of Punjab
Bathinda - 151 001.
5. **Mr. S. L. Kaushal**
(Former Chief Architect, Punjab)
2865, Sector 42 – C
Chandigarh - 160 020.
6. **Mr. Jit Kumar Gupta**
Director, College of Architecture
IET Bhattal
District Ropar - 140108.
7. **Prof. Dr. S. S. Behl**
Department of Architecture
Guru Nanak Dev University
Amritsar - 143 005.
8. **Prof. Dr. T. S. Sidhu**
Principal
Giani Zail Singh College of Engineering and
Technology
Dabwali Road
Bathinda - 151 001.
9. **Er. T. S. Chahal**
Superintending Engineer
PWD, B&R
Bathinda - 151 001.
10. **Dr. Prabhjot Kaur**
Department of Architecture
Giani Zail Singh College of Engineering and
Technology
Dabwali Road
Bathinda - 151 001.
11. **Prof. R. K. Deora**
Special Officer
Central University of Punjab
Bathinda – 151 001.



1.7 Meetings of Statutory Bodies

Name of the Statutory Body	Date of Meeting
Executive Council	28.10.2010
Executive Council	25.03.2011
Academic Council	04.10.2010
Finance Committee	13.08.2010
Finance Committee	12.03.2011

2. *Academics*

Based on open public debate and advice of intellectuals of the state, the university decided to establish 68 Centers of Studies under 12 schools covering almost all important disciplines of study. The twelve schools have been created in specialized broader areas of knowledge under which diverse but interrelated centers have been formed. Keeping in view the latest trend, all the courses offered under these centers are interdisciplinary in nature.

2.1 Present Schools and Centers of Studies and their Academic Programmes

Following six schools and seven Centres of Studies were operational during 2010-11. The academic programme (s) offered by each of these schools is given below:

Sr.No.	Name of the School of Studies	Name of the Centre	Academic Programme offered
1.	School of Environment and Earth Sciences	Centre for Environmental Science and Technology	M.Phil.-Ph.D. Integrated Programme
2.	School of Languages, Literature and Culture	Centre for Comparative Literature	M.Phil.-Ph.D. Integrated Programme
3.	School of Basic and Applied Sciences	Centre for Biosciences Centre for Chemical and Pharmaceutical Sciences	M.Phil.-Ph.D. Integrated Programme
4.	School of Global Relations	Centre for South and Central Asian Studies	M.Phil.-Ph.D. Integrated Programme
5.	School of Legal Studies and Governance	Centre for Environmental Law	None
6.	School of Social Sciences	Centre for Economic Studies	None

2.2 Faculty of the University

School of Basic and Applied Sciences

Prof. P. Ramarao
Dean, School of Basic and Applied Sciences

Date of Joining
01.01.2010

Centre for Biosciences

Prof. R. G. Saini (Contractual)
Coordinator, Centre for Biosciences

Date of Joining
25.11.2010



Dr. Sanjeev Thakur (Contractual)
Assistant Professor

Date of Joining
25.05.2010



Dr. Felix Bast (Contractual)
Assistant Professor

22.05.2010



Dr. Rachna Bhardwaj (Contractual)
Assistant Professor

17.09.2009-
01.06.2010
02.08.2010

**Centre for Chemical and Pharmaceutical Sciences**

Dr. Rahul Shrivastava (Contractual)
Assistant Professor

Date of Joining
31.12.2010



Dr. Virender Singh (Contractual)
Assistant Professor

Date of Joining
16.03.2011

School of Global Relations

Prof. Dr. R. L. Hangloo
Dean, School of Global Relations

Date of Joining
01.01.2011

Centre for South and Central Asian Studies



Dr. Ripudaman Singh (Contractual)
Assistant Professor

Date of Joining
20.05.2010



Dr. Suneel Kumar (Contractual)
Assistant Professor

Date of Joining
01.10.2010



Dr. Sandeep Kaur Bhatia (Contractual)
Assistant Professor

25.05.2010

**School of Environment and Earth Sciences
Centre for Environmental Science and Technology**



Dr. Sunil Mittal (Contractual)
Assistant Professor

Date of Joining
02.03.2010



Ms. Puneeta Pandey (Contractual)
Assistant Professor

Date of Joining
16.03.2011



Dr. J. Nagendra Babu (Contractual)
Assistant Professor

10.01.2011



Ms. Dhanya M. S. (Contractual)
Assistant Professor

21.03.2011

**School of Languages, Literature and Culture
Centre for Comparative Literature**



Dr. Zameer Pal Kaur (Contractual)
Assistant Professor

Date of Joining
21.10.2009



Dr. Rajinder Kumar (Contractual)
Assistant Professor

Date of Joining
14.03.2011



Dr. Amandeep Singh (Contractual)
Assistant Professor

18.09.2010



School of Legal Studies and Governance
Centre for Environmental Law

Date of Joining
18.03.2011



Dr. Tarun Arora (Contractual)
Assistant Professor

Date of Joining
22.03.2011



Dr. Deepak Kumar Chauhan (Contractual)
Assistant Professor

School of Social Studies
Centre for Economic Studies

Date of Joining
18.03.2011



Dr. Angrej Singh Gill (Contractual)
Assistant Professor

2.3 Non-Teaching Staff

Date of Joining
01.08.2009



Prof. R. K. Deora (Contractual)
Special Officer

Date of Joining
07.07.2009



Ms. Shweta Arora
Assistant Registrar

01.09.2010



Er. Gurtej Singh Sra (Contractual)
University Engineer

09.02.2011



Mr. C. L. Bansal (Contractual, Part Time)
Accounts Officer

26.05.2010



Dr. B.K. Nagpal (Contractual)
Medical Officer

31.01.2011



Mr. Rajbir Singh (Contractual)
Sports Officer

28.04.2009



Mr. Gurmail Singh (Contractual)
Accountant

25.03.2010



Mr. Vivek Goyal
Assistant



Date of Joining
01.01.2010



Mr. Bhupinder Singh
Junior Professional Assistant

Date of Joining
03.07.2009



Mr. Rohit Rastogi (Contractual)
Data Entry Operator

23.08.2010



Mr. Pritpal Singh (Contractual)
Computer Operator

25.08.2010



Mr. Nivedan Salwan (Contractual)
Computer Operator

15.09.2009



Ms. Poonam Rani (Contractual)
Computer Operator

20.08.2010-
19.02.2011
21.02.2011



Ms. Amanraj Kaur Brar (Contractual)
Computer Operator & Computer Laboratory Attendant

29.05.2010



Mr. Maghi Singh (Contractual)
Technician (Stores)

15.01.2011



Mr. Tarsem Singh Brar (Contractual)
Assistant Estate Supervisor

10.02.2011



Mr. Harpreet Singh (Contractual)
Electrician

16.03.2011



Ms. Jyoti (Contractual)
Junior Technical Assistant

16.03.2011



Mr. Ashwani K. Sharma (Contractual)
Junior Technical Assistant

14.11.2009



Mr. Darshan Singh (Contractual)
Driver

22.03.2011



Ms. Sona Rani (Contractual)
Junior Technical Assistant





2.4 Admission to Academic Programmes

Following the guidelines of University Grants Commission, the admissions to M.Phil.-Ph.D. Integrated Programme in Biosciences, Environmental Science and Technology, Comparative Literature and; South and Central Asian Studies were done on the basis of an All India Entrance Test held at eight different places across the country on 25th July, 2010. The pattern, nature, curricula and eligibility of candidates was decided by an admission committee. The candidates who qualified in entrance test were required to submit a summary of research proposal that was to be undertaken by the candidate during M.Phil.-Ph.D. programme. This was discussed with the candidate by the interview committee for final selection of a candidate towards admission to a particular programme. Due weightage was given to candidates who had qualified any of the national (NET) or state level tests (SLET) recognized by University Grants Commission.

Two hundred and fifty five candidates applied for the entrance test, out of which 198 candidates appeared for the test at centers located at Bathinda, Bengaluru, Chandigarh, Chennai, Hyderabad, Kolkata, Mumbai and Noida.

The Admission Process



Verification of Admit Cards



Entrance Test at CUP Centre



A Student Interview Session



Registration of New Students

2.4.1 Admissions (2010-11) at a Glance

A. Centre wise split up of candidates

S.No.	Centre	No. of Candidates Applied	No. of Candidates Appeared
1.	Bathinda	78	69
2.	Bengaluru	02	01
3.	Chandigarh	115	87
4.	Chennai	10	07
5.	Hyderabad	05	05
6.	Kolkata	03	02
7.	Mumbai	03	02
8.	Noida	39	25
	Total	255	198

B. Centre wise split up of candidates qualifying entrance test

S.No.	Centre	Appeared	Cleared
1.	Biosciences	90	70
2.	Environmental Science and Technology	11	08
3.	Both for Environmental Science and Technology and Biosciences	48	41
4.	South and Central Asian Studies	25	21
5.	Comparative Literature	24	18
	Total	198	158



C. Category wise split up of candidates called for interview

*Category

S.No.	Centre	General	OBC	SC	ST	Total
1.	Biosciences	20	10	05	03	38
2.	Environmental Science and Technology	25	06	03	Nil	34
3.	South and Central Asian Studies	16	02	03	Nil	21
4.	Comparative Literature	14	03	01	Nil	18
	Grand Total					111

*OBC = Other Backward Classes, SC= Scheduled Caste, ST= Scheduled Tribe

After interviews, 37 candidates were selected for admission to different centers. The centre wise and gender wise split up of admitted candidates is given below:

Centre	Number	
	Boys	Girls
Biosciences	8	2
Environmental science and Technology	4	8
Comparative Literature	2	6
South and Central Asian Studies	4	3

The state wise distribution of students admitted during 2010-11 academic session is shown in the map below:



D. Admissions in academic sessions 2009-10 and 2010-11: a comparison

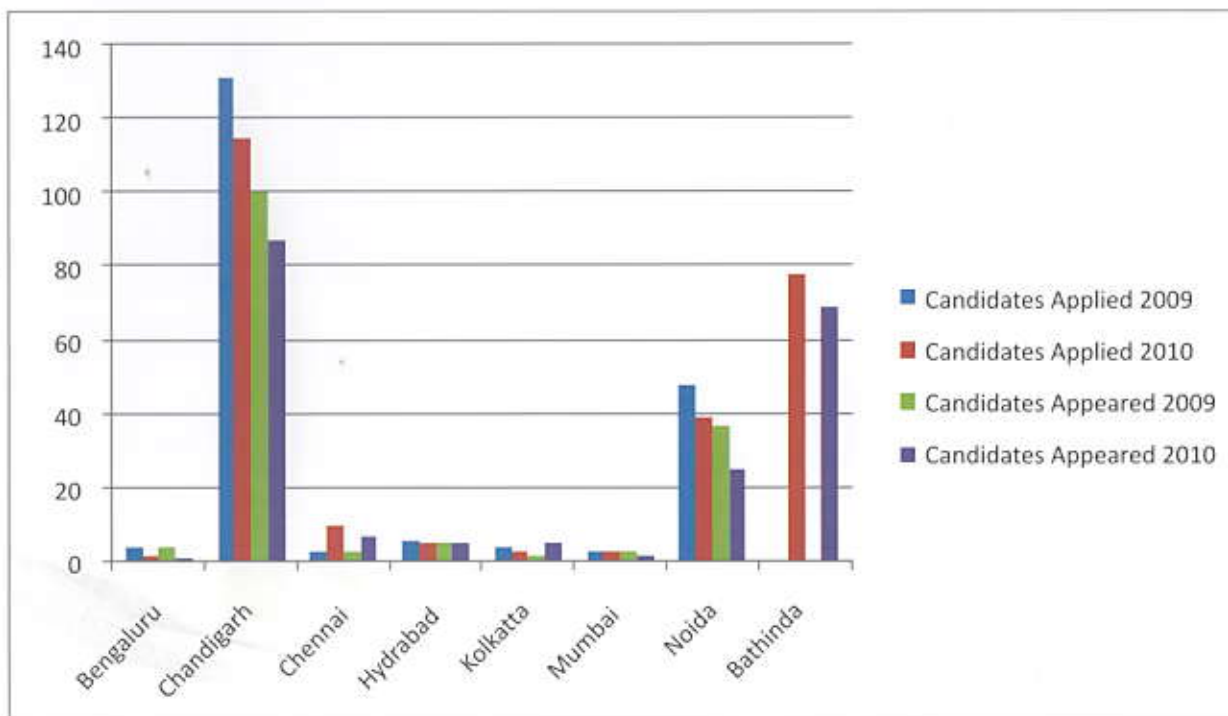
On the basis of the first entrance test held on January 25, 2010, the first batch of students was admitted to M.Phil.-Ph.D. Integrated Programme in four different Centers of Studies in February 2010. This batch of students marked the beginning of academic session 2009-10. With the improvement of infrastructure and recruitment of more staff, another batch of students was admitted in September 2010 on

the basis of entrance test conducted on July 25, 2010. This batch of students marked academic session 2010-11. A comparison of admissions during 2009-2010 and 2010-11 is shown below:

Test centre	Number of applications		Candidates appeared for test	
	2009-10	2010-11	2009-10	2010-11
Bathinda	-	78	- *	69
Bengaluru	04	02	04	01
Chandigarh	131	115	100	87
Chennai	03	10	03	07
Hyderabad	06	05	05	05
Kolkata	04	03	02	02
Mumbai	03	03	03	02
Noida	48	39	37	25
UGC Qualified*	31	-	-	-
Total	230	255	154	198

*= NET qualified candidates were given a waiver not to appear in the test but all other procedures were followed.

There has been a 28 % increase in the number of candidates who appeared in the second entrance test as compared to the number of candidates those appeared in first entrance test held in January 2010. This speaks of acceptance of M.Phil.-Ph.D. Integrated Programmes of this university. For the academic session 2009-10, maximum number of students had appeared for the entrance test from Chandigarh and Noida centres. Whereas, for the academic session 2010-11, maximum number of students appeared from Bathinda after the Chandigarh centre.



Graphic comparison of centre wise number of candidates applied and appeared in the two entrance tests



2.5 The Semester System

With the sole objective to bring academic excellence and enhance innovations in teaching and learning practices, this university has implemented semester system in all the academic programmes offered. University follows Choice Based Credit System coupled with continuous internal evaluation for students' appraisal. Such a system ensures enhanced learning opportunities for students, encourage students for planned and continuous study; and also facilitates inter institutional transferability.

2.6 Students Support Services

- Round the clock open, air-conditioned reading rooms with the facility of essential text books and desk top PCs have been made available to all the students to provide a congenial atmosphere for study. These reading rooms in close proximity of the hostels have proved to be very popular amongst students.
- The university has well stocked library with access to nearly 5300 online journals; and about 8000 books and databases. Facility of photocopying and document scanning has been made available for students. In very near future, the library is going to be fully automated with latest library management software and installation of Radio Frequency Identification System.
- A state of the art Computer Centre with nearly 100 desktop PCs and high speed internet connectivity through 100 Mbps lease line is available to the students.
- University is fully aware of the needs of students other than their academic needs. Keeping this in view and also to inculcate human values the students have access to both indoor and outdoor sports.
- Excellent state of the art lecture rooms fitted with LCD projectors and well equipped laboratories are available to students.
- Painting, photography and essay writing competitions are organized regularly to make them competitive to face the challenges.
- The students have regular interactive sessions with their teachers on current issues and aspects related to their research work.
- Every week lectures from eminent speakers are organized on diverse topics in science, medicine, history, literature etc. to sharpen the intellectual skills of the students.

2.7 Incentives for Students

- Every student registered for M.Phil.-Ph.D. Integrated Programme is provided Rs. 3,000 per month stipend during M.Phil. and Rs. 5,000 during Ph.D.
- Contingency grant of Rs. 8,000 per annum for scholars working in humanities and social sciences and Rs. 10,000 per annum for those working in science subjects is provided.



2.8 Achievements

A. Faculty Publications

The faculty in different centers of studies published several research papers in peer reviewed journals having high Impact Factor. A list of publications of the faculty is given below in alphabetical order.

Bast F., Okuda K. 2010. Gametangial Ontogeny in Intertidal Green Alga: *Monostroma latissimum* (Kützing) Wittrock. **Int. Jour. of Pl. Rep. Biol.** **2 (1)**: 11-15.

Bhatia S. K., Nanda P. 2010. Complementarities in production between ASEAN and India. **Jour. Gobal Econ.** **6(5&6)**: 383-86.

Bhatia S. K., Nanda P. 2010. The dynamic effects of SAARC. **Intern. Jour. of Econ.** **4(2)**: 345-55.

Bhatia S. K., Nanda P. 2010. Education, human development and economic growth in Punjab: A casual analysis. **ArthVij.** **52(3)**: 197-211.

Bhatia S. K., Nanda P. 2010. India's export potential to SAARC countries: A gravity model analysis. **Jour. Gobal Econ.** **6(3)**: 163-84.

Gupta C., Vikram A., Tripathi D. N., Ramarao P., Jena G. B. 2011. Quercetin inhibits Diethyl nitrosamine induced hepatic preneoplastic lesion in rat. **Nut. Can.** **63**: 234-41.

Kaur G., Kumar S., Thakur P., Malik J. A., Bhandhari K., Sharma K. D., Nayyar H. 2011. Involvement of proline in response of chickpea (*Cicer arietinum* L.) to chilling stress at reproductive stage. **Sci. Hort.** **12 (3)**: 174-181.

Khan A., Shah M. D., Saini, R.G. 2010. Indian bread wheat cultivar PBW 65 as a source of novel stripe rust (*Puccinia striiformis* Westend. *Sp. Tritic*) resistance genes. **SKAUAST Jour. Res.** **12**: 259-64.

Khan M. A., Zargar S. M., Saini R. G. 2011. A novel hypersensitive stripe rust (*Puccinia striiformis* West. *forma specialis. tritici*) resistance gene in bread wheat cultivar Cook effective in India. **Phytol.** **3 (7)**: 44-46.

Kumar S., Bhanwara R. K., Upadhyaya H. D., Nayyar H. 2010. Cold stress effects on reproductive growth in Chickpea. **Jour. of SAT Agric. Res.** **8/e journals.icrisat.org**.

Kumar S., Kaur R., Kaur N., Bhandhari K., Kaushal N, Gupta K., Bains T. S., Nayyar N. 2011. Heat-stress induced inhibition in growth and chlorosis in Mungbean (*Phaseolus aureus* Roxb.) is partly mitigated by ascorbic acid application and is related to reduction in oxidative stress. **Acta Physiol. Planta.,** DOI: 10.1007/s11738-011-0748-2 Online First™

Kumar S., Malik J. A., Thakur P., Kaistha S., Sharma K. D., Berger J. D., Nayyar H. 2010. Growth and metabolic responses of contrasting chickpea (*Cicer arietinum* L.) genotypes to chilling stress at reproductive phase. **Acta Physiol. Planta** **33(3)**: 779-87.

Sharma P., Saini R. G. 2011. Genetics of durable resistance to leaf rust in bread wheat cultivars Capelle Desprez and Pari 73. **J Phytol.** **3(10)**: 10-15.

Singh A. 2011. Parvasi Punjabi Sabhyachar da Bhavikh: Bhashai Parsang. **Sirjana** **159**: 74-80.

Vikram A., Jena G. B., Ramarao P. 2011. Insulin resistance reduces botulinum neurotoxin-type A induced



prostatic atrophy apoptosis in rats. *Eur. Jour. Pharmacol.* **650**: 356-63.

Vikram A., Jena G. B., Ramarao P. 2010. Pioglitazone attenuates prostatic enlargement in diet induced insulin-resistant rats by altering lipid distribution and reversing hyperinsulinemia. *Brit. Jour. Pharmacol.* **161**: 1708-21.

Participation in Conference/Seminar/Symposia/Workshops/Meetings

Prof. Dr. Jai Rup Singh

Third meeting on autonomy and accountability for central educational institutions, October 20, 2010, University of Hyderabad, Hyderabad.

Prof. P. Ramarao

Participated in Emerging Trends in Drug Discovery, a UGC Network Program and delivered invited lecture on "Diabetic Complication of Drug Discovery". May 31 to June 12, 2010. Panjab University, Chandigarh.

Participated in International Conference on Nano Science and Technology (ICNST) and delivered invited lecture "Nanotoxicology an Emerging Area", October 28 to 30, 2010, Central Scientific and Instrumentation Organization (CSIO), Chandigarh.

Dr. Amandeep Singh

Presented the paper 'Vishvikaran vich Internet Da Yogdan – Punjabi Bhasha De Parsang vich' in the UGC sponsored National Seminar "Vishvikaran de Parbhav Heth Badal rahe Punjabi Bhasha, Sahit te Sabhyachar", November 26, 2010, G.H.G. Khalsa College, Gurusar Sadhar, Ludhiana.

Dr. Sandeep Kaur Bhatia

Presented the research paper 'Assessing Competitiveness and Intensity in International Trade among ASEAN Countries and India'. November 19-20, 2010, Shri Ram College of Commerce, New Delhi.

Presented the research paper 'Export Potential of India with SAARC Nations: Evidence From Gravity Model Approach'. December 16-17, 2010, Indian Institute of Foreign Trade, New Delhi.

Presented the research paper 'Poverty and Economic Growth in India: An Inter State Analysis'. March 10-11, 2011, Kurukshetra University, Kurukshetra.

Presented the research paper 'Employment Intensity of Government Expenditure in India'. March 24, 2011, Guru Nanak Dev University, Amritsar.

Attended Workshop on Empirical Research on WTO and Other Issues in International Trade, July 6-8, 2010, United Nations Conference on Trade and Development, New Delhi.

Dr. Sanjeev Kumar

Presented the paper 'Reproductive Failures Due to Chilling Stress in Chickpea: Observations on Reproductive Biology and Metabolic Alterations' at International Conference "Preparing Agriculture for Climate Change" February 6-8, 2011, Punjab Agricultural University, Ludhiana.

Dr. Zameerpal Kaur

Presented the paper "Application of Sanskrit Poetics to Punjabi Literature" at National Seminar, February 22, 2011, Department of Sanskrit, Punjabi University, Patiala.

Presented the paper "Representation of Arsyian Culture in Valmiki Ramayana" at International Seminar organized by Maharishi Valmiki Chair, March 24-25, 2011, Punjabi University, Patiala.





B. Awards and Honors

Prof. Dr. Jai Rup Singh was nominated for Star News National B-School Award "Award for outstanding contribution to education"

Prof. Dr. Jai Rup Singh was Nominated for "Dr. V.R. Khanolkar Oration" for the year 2010-11 in recognition of his outstanding contributions in the field of Genetics by National Academy of Medical Sciences, New Delhi.

C. Award to Central University of Punjab for energy conservation

The university has been adjudged second best Government Institution for its efforts in energy conservation in Punjab during the year 2009-10. A cash prize of Rs.10,000 and a memento given by the Punjab Energy Development Agency, Chandigarh was received by the University Engineer Sh. G.S. Sra on behalf of the Vice Chancellor. The university received this award for its constant efforts in energy conservation. The university is committed to create an ecofriendly campus and thus utilizing solar and wind power for running its Computer Centre and street lights.

2.9 Academic Activities

During the period under report the university campus remained buzzing with a number of academic activities coinciding with important occasions.

Seminar on Right to Information Act

The university in association with the Punjab State Information Commission organized a one day seminar on 'Right to Information Act' on April 15, 2010 at the City Campus. Sh. Ramesh Inder Singh I.A.S., Chief Information Commissioner, Punjab, delivered the inaugural address and deliberated upon the concept of Right To Information, right from inception to present day. Other speakers on this occasion were Prof. S. S. Khera, Registrar, Punjabi University, Patiala, Prof. Sucha Singh Gill, Department of Economics, Punjabi University, Patiala and Dr. Kunwar Vijay Pratap Singh, IPS, Commanding Officer, Punjab Armored Police Battalion, Chandigarh.



**Sh. Ramesh Inder Singh
Chief Information Commissioner,
Punjab delivering lecture
during the RTI Seminar**

UN International Day for the elimination of violence against women

Centre for South and Central Asian Studies, Central University of Punjab, Bathinda organized an essay writing competition and a seminar to commemorate the UN International Day for elimination of Violence against women on November 25, 2010. In the first part of programme an essay writing competition was organized on the theme "Measures to Eliminate Violence Against Women". The Second part of the programme was based on the lectures by subject experts. Programme started with the presidential address of Prof. Dr. Jai Rup Singh, Vice Chancellor of the University. Prof. (Mrs.) Balwinder Arora of Guru Nanak Dev University and Prof. (Mrs.) Rajesh Gill from Panjab University also delivered special lectures on this occasion.



**Prof. (Mrs.) Balwinder Arora answering questions
after her lecture**



Essay Writing Competition

Guest Lectures

In addition to the commemoration of important events, at several other occasions the university invited eminent speakers to deliver lectures on current topics for the benefit of faculty and students. During the period under report fourteen speakers delivered following important lectures:

- Prof. Gurjeet Singh, Vice Chancellor, Rajiv Gandhi National University of Law, Patiala, delivered five lectures on 'Research Methodology' on June 7-8, July 13-14 and September 17, 2010.
- Dr. Sumail Singh Sidhu, Assistant Professor, Sri Guru Teg Bahadur Khalsa College, Delhi University, Delhi, delivered two lectures on 'Historical Methods as a part of Research Methodology' on June 7 and 9, 2010.
- Dr. T. C. Goyal, Consultant (R&D), Mahatma Gandhi State Institute of Public Administration, Chandigarh, delivered a talk on 'Work Ethics' on June 11, 2010.
- Dr. Kulvinder Singh Saini, Director, Biotechnology and Bioinformatics, Ranbaxy Laboratories Limited (R&D) Gurgaon, talked about 'RNAi: An Emerging Drug Discovery R&D Tool' on June 24, 2010.
- Dr. P. S. Ahuja, Director, Institute of Himalayan Bioresource Technology, Palampur, gave a talk on 'Conservation and Genetic Improvement of Plants' on June 25, 2010.
- Prof. Ashok Kumar Dhawan, Director, Centre for Plant Biotechnology, Chaudhary Charan Singh Haryana Agricultural University, Hisar delivered a lecture on 'Sucrose Accumulation in Sugarcane Stem – a Unique System, Dynamic Controls, July 9, 2010.
- Prof. R. L. Hangloo, Head, Department of History, University of Hyderabad, Hyderabad, gave his talk on 'Kashmir Problem in Global Context', July 13, 2010.
- Dr. Renu Tuteja, Staff Research Scientist, International Centre for Genetic Engineering and Biotechnology, New Delhi talked on 'Helicases: Essential Enzymes for Malarial Parasite Growth', July 31, 2010.
- Dr. Sanjay Kumar, Scientist F, Institute of Himalayan Bioresource Technology, Palampur, discussed 'Bioprospecting Genes, Enzymes and Processes from Himalayan Flora for Plant Adaptation and Synthetic Biology' on September 28, 2010.
- Prof. H. K. Goswami, Ex. Professor, Barkatullah University, Bhopal, gave a talk on 'Biodiversity and Human Settlements', November 8, 2010.
- Prof. Harish Narang, Former Professor, Jawaharlal Nehru University, New Delhi delivered a lecture on 'African Literature' on November 20, 2010.
- Dr. G. K. Khatri, Centre for Converging Technologies, University of Rajasthan, Jaipur talked about 'Affordable Medicine: New Frontiers' on November 2, 2010.
- Dr. Jagmohan Singh, Scientist Grade IV, Institute of Microbial Technology, Chandigarh, talked about 'Deciphering the Link Between Hetrochromatin and RNA Pathways in Fission Yeast'.
- Dr. Sawraj Singh, Ex. President, Kittitas County Medical Society and Fellow International College of Physicians Ellensberg, Washington discussed 'Issues and Concerns in Global Morality – Perceptions and Practice' on March 11, 2011.



Guest Lectures

Prof. Dr. Gurjeet Singh, Vice Chancellor, Rajiv Gandhi National University of Law, Patiala, delivering lectures on 'Research methodology'



Prof. Harish Narang, Former Professor, Jawaharlal Nehru University, New Delhi delivering a lecture on 'African literature'



Prof. Ashok Kumar Dhawan, Director, Centre for Plant Biotechnology, Chaudhary Charan Singh Haryana Agricultural University, Hisar delivering his lecture on 'Sucrose Accumulation in Sugarcane Stem – a Unique System'



Dr. G. K. Khatri, Centre for Converging Technologies, University of Rajasthan, Jaipur talking about 'Affordable Medicine: New Frontiers'



Dr. Sawraj Singh, Ex. President, Kittitas County Medical Society and Fellow International College of Physicians Ellensburg, Washington discussing 'Issues and Concerns in Global Morality – Perceptions and Practice'



Second Book Exhibition

A two-day book exhibition was organized on September 24-25, 2010 at the City Campus. Dr. H. S. Soch, former Vice chancellor, Guru Nanak Dev University, Amritsar inaugurated the exhibition. More than 50 publishers, distributors and suppliers of books participated in this exhibition. On this occasion a demonstration and workshop on ScienceDirect was held by Elsevier Publisher.

Second Book Exhibition – September 24-25, 2010



Dr. H. S. Soch, Former Vice Chancellor, GNDU
inaugurating the exhibition



Books on Display



Dr. H. S. Soch with the Vice Chancellor Dr. Jai Rup Singh



3. *Extracurricular Activities*

3.1 Independence Day Celebrations

The 64th Independence Day was celebrated on August 15, 2010 with great enthusiasm in City Campus of the university. All the faculty members, staff and students participated in the celebrations. Vice Chancellor, Prof. Dr. Jai Rup Singh hoisted the national flag. In his impressive speech he recalled the memories of freedom struggle and partition of the country. While comparing the political and mental freedom, the Vice Chancellor advised the youth to be mentally independent in their thought to face the future challenges.

Prof. P. Ramarao, Dean, School of Basic and Applied Sciences in his address advised the gathering to work hard to make this university an institution of international repute. Commenting on the green and pollution free environment of the university campus, he lauded the role of everybody toward efforts made in this direction.



3.2 Republic Day Celebrations

Republic Day was celebrated on January 26, 2011 with zeal and enthusiasm at the Central University of Punjab, Bathinda. The national flag was hoisted by the Vice Chancellor, who in his address emphasized that the rights and duties of citizens must go hand in hand. Prof. P. Ramarao, Dean, School of Basic and Applied Sciences, Prof. R. L. Hangloo, Dean, School of Global Relations also addressed the gathering.

In another impressive activity to celebrate the Republic Day, the Centre for Comparative Literature organized an exhibition of paintings of students to depict the epic of "Meghduta" by Sanskrit poet Kalidasa which was widely appreciated, and was inaugurated by the first lady of the university Dr. (Mrs.) Pushpinder Jai Rup.



Meghduta in Paintings – Inauguration by
Dr. (Mrs.) Pushpinder Jai Rup



Visitors with Meghduta Paintings

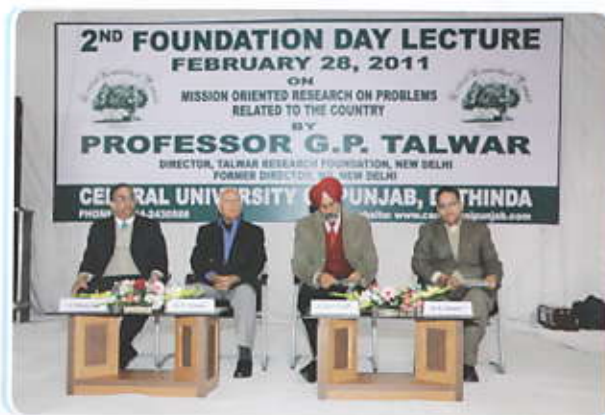
3.3 Second Foundation Day Celebrations

The university celebrated second foundation day on February 28, 2011 at its City Campus. On this occasion Prof. Dr. G. P. Talwar, former Director, National Institute of Immunology, New Delhi and Director, Talwar Research Foundation, New Delhi delivered the Foundation Day Lecture, 'Mission Oriented Research on the Problems Related to the Country'. In his lecture, the chief guest introduced his path breaking research on the development of immunotherapeutic vaccine for treatment of leprosy. He advised the young generation to identify the regional problems and work to find their solutions.



The Inaugural Session

Welcome of Chief Guest Dr. G. P. Talwar



The Invocation at Foundation Day Lecture



Cultural Programme by the Students



3.4 Photography and Painting Competitions

As a part of the second foundation day celebrations, the university organized a painting and photography competition on the theme 'Environment, Biodiversity and Cancer in Malwa Region of Punjab' on February 26, 2011. Dr. Subhash Parihar, an eminent historian and Lalit Kala Academy awardee inaugurated the competition. About 110 students from local colleges and schools as well as from other parts of Punjab participated in this competition. Cash prizes were distributed to the first, second and third winners.

Photography and Painting Competition



The Competitors



The Competition



Inauguration of Exhibition of Paintings and Photographs



A Prize Winner

3.5 The Plantation Drive

The Central University of Punjab has a standing commitment to build a clean and green campus. Therefore, more than 1500 shady trees of Neem, Bermuda Cedar, Jamun, Teak, and Mulberry were planted during 2010-11. In addition, to give a feel of superb landscape a good number of perennial shrubs have also been planted around all the lawns and open spaces of the campus.



Result of Plantation Drive – The Green Campus

3.6 The Genetic Heritage Park

The university has set up a Genetic Heritage Park in a piece of 6.5 acres of land at the City Campus which represents the flora of Malwa region of Punjab, particularly the endangered species of the region. Facilities have been created to propagate and conserve rare and threatened species using modern methods of *in-situ* and *ex-situ* conservation like tissue culture, cryopreservation, etc. Some important species that have already been planted in the Genetic Heritage Park are Lasura Synonym Lasoda (*Cordia dichotoma*), Imli (*Tamarindus indica*), Jand Synonymus Khejri (*Prosopis ceneraria*) and Loquat (*Eribotrya japonica*).

4. Infrastructure Development

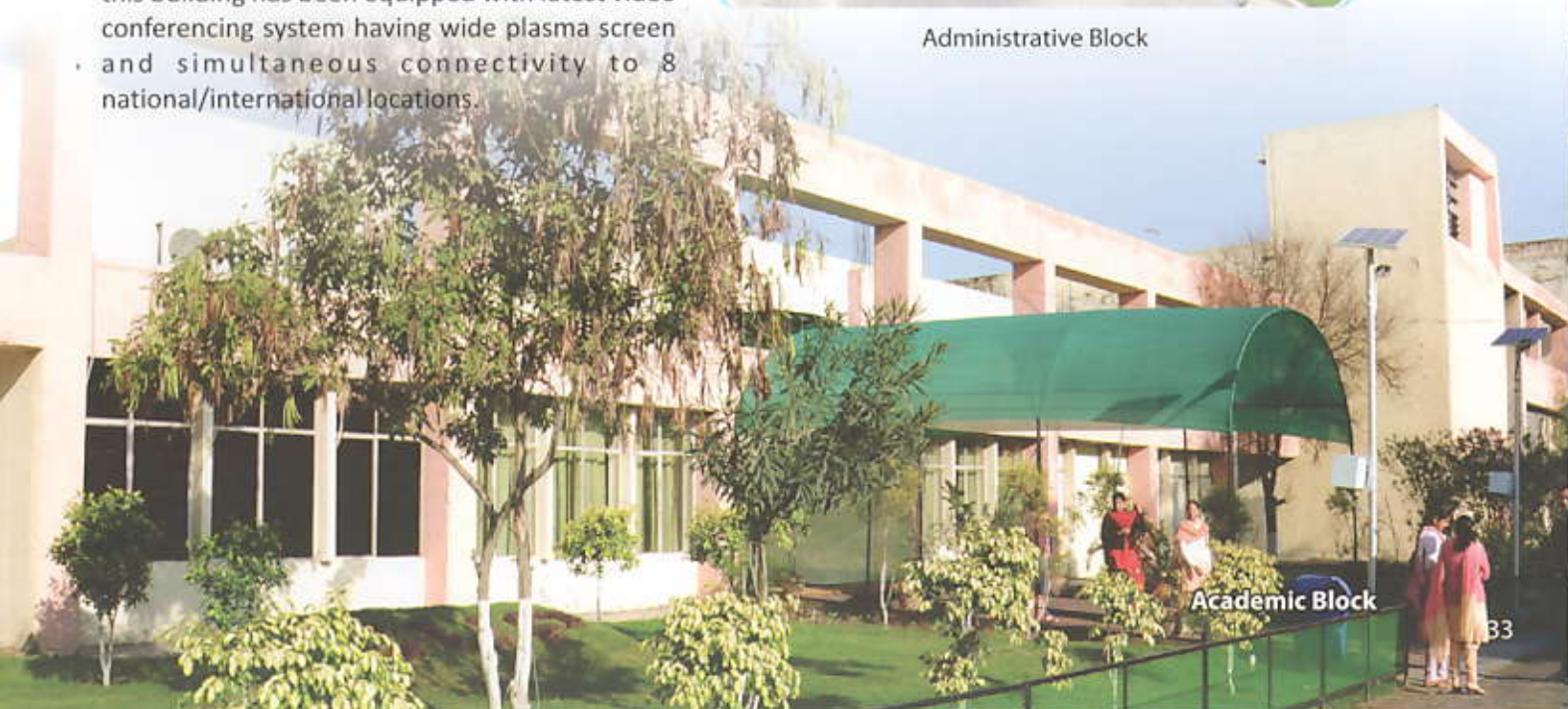
The Central University of Punjab made its humble beginning from a small 'Camp Office' located at the residence of Vice Chancellor. The transformation of a desolate piece of land having wild vegetation and deserted buildings of a spinning mill into a humming academic campus in a short span of less than two years is a marvel in itself. This campus called "City Campus" now has all the infrastructural facilities essential for any ideal university campus. The 37 acre City Campus has sprawling play grounds and green stretches of well-maintained lawns. The site now has a picturesque setting of buildings like Administrative Block, Academic Block, Student Hostels and Transit Faculty Hostel, dotted with green trees belonging to several species intercepted by patches of beautiful flower beds and perennial shrubs.

4.1 Administrative Block

Not far away from the main entrance of the university campus, the rectangular building of the administrative block has been given a total face lift during the period under review. In addition to the office of Vice Chancellor, this building houses the offices of Dean, Academic Affairs; Dean, Student Welfare; Dean, School of Global relations; Professor In-charge Administration; Special Officer (Examinations) and University Engineer. The Conference Room in this building has been equipped with latest video conferencing system having wide plasma screen and simultaneous connectivity to 8 national/international locations.



Administrative Block



Academic Block

4.2 Academic Block

In addition to the excellent laboratory facilities, library, faculty rooms, computer centre, seminar hall; the academic block has all the class rooms equipped with LCD projectors, motorized projection screens and internet connectivity.

4.3 University Library: A Symbiosis of Modern Technology and Rich Collection

Designed to meet the information needs of faculty and students, the library of Central University of Punjab is situated in the Academic Block, in the vicinity of class rooms, laboratories and faculty rooms. This carefully designed library has provision of natural light and it is equipped with elegant modular furniture to accommodate over 100 readers.



Stack Area



Reading Hall



Periodical Section

The University Library has 7653 books on its racks and during the year 2010-11 as many as 4805 more books were added to library stock. Subscribing 58 national and international journals, the University Library is coming up as first high tech library of the region. Library members have free access to DELNET

databases, five thousand full text online journals under 'UGC Infonet Programme' and 238 online full text journals of 'ScienceDirect'. In addition, facility to access periodical collection of 22 university libraries in India through UGC Infonet is also available. This service has in built facility to request for the periodical articles from other university libraries in India. Reprographic services, with latest photocopying machines and sophisticated scanners are available for readers.

The University Library is shortly going to be equipped with Radio Frequency Identification System which will facilitate complete automation of issue and return of the books and fool proof security arrangement.

University has connectivity with National Knowledge Network through high speed computer network provided by the Ministry of Communication and Information Technology, Government of India under National Mission on Education through Information and Communication Technology (NMEICT). The National Knowledge Network facilitates direct access of university staff and students to e-libraries, virtual classrooms, high performance computers such as GARUDA, Global Research and Development Network, GLORIAD (Indo-U.S. Initiative), TIEN 3 (Indo-European Initiative), etc.

4.4 Computer Centre

The university has its fully equipped Computer Centre with nearly 100 desktop Personal Computers of latest configuration and software. Two BSNL broadband lines of 10 Mbps and 100 Mbps capacity provide internet connectivity to faculty and students of the university.



4.5 Research Laboratories

The three centers of studies offering M.Phil.-Ph.D. programme in science subjects have been provided with state of the art facilities for teaching as well as research. Center wise details of these facilities is provided in following pages.

4.5.1 Biosciences

Presently, Centre for Biosciences has well equipped laboratories for holding practical classes and conducting high end research. Well-equipped Tissue Culture laboratories for plant, animal, human and cell-lines culturing, and a Molecular Genetics Laboratory having 3730XL 96 Capillary DNA Sequencer, RT PCR, Gradient PCR, Electrophoresis units, Gel Documentation System, High Precision Water Bath, high speed Cooling Centrifuges, Vacuum Concentrator and Millipore Water Purification System have been established at the City Campus. The Central Instrumentation laboratory is equipped with Olympus FSX-100 microscope, Analytical HPLC (Dionex), Double beam UV-VIS Spectrophotometer and Deep Freezers (-20°C, -45°C).

The teaching laboratories have all facilities mandatory for carrying out Post Graduate level practicals. Binocular research microscope (CX21) is provided to each student during practicals. Physiograph, Electrophoresis units for separation of DNA, RNA and Proteins, cold centrifuges, micro centrifuges, vortex shakers, incubators and all other requisite equipment needed for conducting practicals are available. A sophisticated imaging facility having CX41 microscope fitted with Camera, Inverted Microscopes fitted with live recording system Olympus Magnus and RNA room for micro RNA work are available. Other ancillary equipment like seed germinators, biological safety cabinet, laminar flow etc. are also available for research work.



3730XL 96 Capillary DNA Sequencer

4.5.2 Environmental Science and Technology

The laboratory is equipped with modern gadgets required for quantitative and qualitative testing of physical, chemical, and biological parameters of different water samples, soil samples and solid wastes. The important laboratory equipment includes COD Digester, Automated BOD measurement device, CO₂ Incubators, Incubator shakers, UV spectrophotometer, UV Cabinet, Fume Hoods, High Precision Analytical Balances, Flame Photometer, Water baths (serological and normal) etc.

4.5.3 Chemical and Pharmaceutical Sciences

The Centre for Chemical and Pharmaceutical Sciences has separate laboratories for M.Pharm. and M.Sc. students. The laboratories are equipped with all the modern instruments like UV spectrophotometer, UV Cabinet, Fume hoods, Analytical balances, Flame photometer, Water baths (serological and normal), Rotavapours with chillers, Deep Freezers and Walk-in cold rooms. Besides this, anticorrosion room and instrumentation room are under completion for the storage of chemicals and other equipment.





Bioscience Laboratories



Environmental Science Laboratories



4.6 Health Centre

University is very sensitive about the health of its employees and students. As the first step in this regard a Health Centre has been established in close proximity of Transit Faculty Hostel and Girls Hostel. In case of medical emergency there is provision for specialist doctors on call.



4.7 Guest House

Surrounded by green vegetation, the university has a fully furnished guest house for visitors. The guest house has three fully furnished air-conditioned rooms.

4.8 Student Hostels

Presently some houses in the residential area of the City Campus have been converted to girls hostel. Another building has been renovated to establish a boy's hostel. Close to both the hostels, there is round the clock open facility of air-conditioned reading room for the students with good number of text books and Desktop PCs. All the students are provided semi-furnished rooms at very nominal charges.



A View of Boys Hostel



Transit Faculty Hostel

Girls Hostel



4.9 Transit Faculty Hostel

The University provides three months free furnished accommodation to its faculty members immediately after their joining the service. The transit faculty hostel is a small residential area with 16 houses of three types - category A, B and C. The students and staff share a mess-cum-canteen facility that has an air-cooled dining hall.

4.10 University Canteen-cum-Mess

The university has a well furnished and a very hygienic canteen-cum-mess at the service of staff and students where good food is available at very reasonable price. The canteen-cum-mess also serves the visitors to the university guest house.



4.11 University Sports

University is indeed aware of the importance of sports in the overall growth and personality development of students. Therefore, more than 12 acres of area has been earmarked and cleared of bushes etc. for sports activities. Provision of cricket ground, badminton court, table tennis and volleyball court has already been made. The establishment of an ultra-modern gymnasium is in full swing. It will be equipped with free weight training section, cardiovascular fitness section, strength training section with specialized machines and free weight exercise zone.



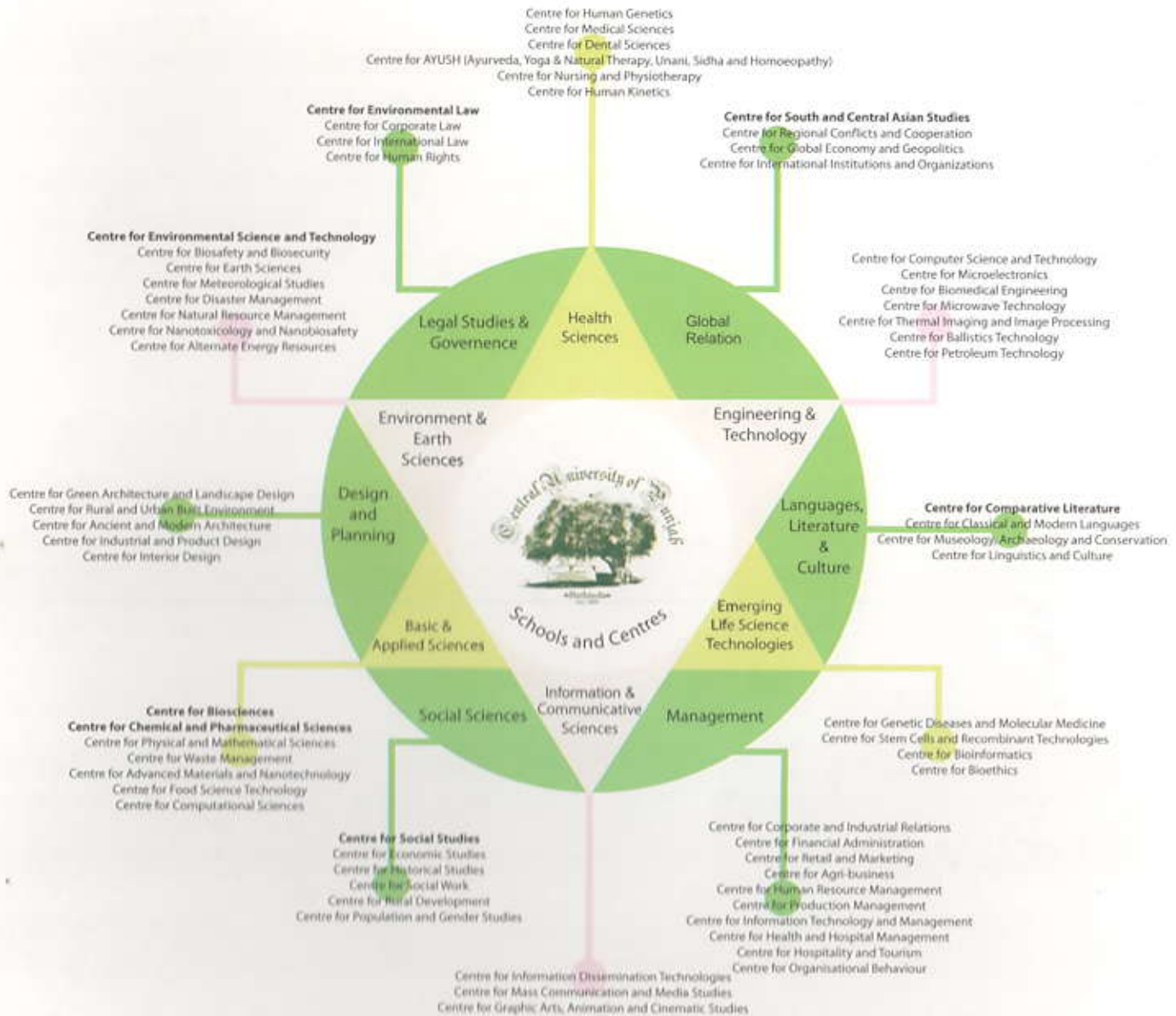
4.12 Non-Conventional Energy

The university is conscious of the conservation of precious energy. For the purpose, two 5 kw Solar Wind Energy Hybrid Systems have been installed at the City Campus of the university through Punjab Energy Development Agency (PEDA) and the Ministry of New and Renewable Energy, Government of India. The systems have two small wind driven turbines generating 3.2 kW of electric power. The solar photovoltaic panels further supplement the power generation to 5 kW. In addition, the roads in the city campus are illuminated through solar street lights. Solar Water Heaters have been installed in boys' hostel to provide hot water in winter so as to conserve electricity.



Solar Photovoltaic Panels and a Wind Mill

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