



GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
[Established by the Govt. of NCT of Delhi]

SUPPLEMENTARY REPORT
(WITH SUPPORTING DOCUMENT)

Submitted for Re - Accreditation

to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An autonomous Institution of the University Grants Commission
P.O.Box No. 1075, NAGARBHAVI, BANGALORE - 560 072 KARNATAKA, INDIA

**GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY
DELHI**

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A. EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Guru Gobind Singh Indraprastha University was established by an Act of Govt. of NCT of Delhi on July 28, 1998. It was conceived as a teaching and affiliating University with explicit objective to facilitate and promote studies, research and extension work in areas of professional and technical education. During its journey of fourteen years, it got itself included under Section 2 (f) and 12 (B) of the University Grants Commission, received 'A' Grade by National Assessment and Accreditation Council (NAAC), Bangalore for the period 2007-2012. It first got certified as ISO 9001 : 2000 and subsequently upgraded to ISO 9001 : 2008 by the STQC Directorate, Ministry of Communication and Information Technology, Govt. of India. GGSIP University has been conferred with the "Golden Europe Award for Quality and Commercial Prestige" by Otherways Management & Consulting Association, Paris, France on 16.07.2012 giving credence to our commitment to quality management. The quality policy of the University is a reflection of this commitment.

QUALITY POLICY

"Guru Gobind Singh Indraprastha University is committed to providing professional education with thrust on creativity, innovation, continuous change and motivating environment for knowledge creation and dissemination through its effective quality management system."

Right since its inception university has been striving to maintain excellence in teaching, research and extension activities. The University promotes a culture that fosters scientific temper, ethical values and quest for excellence. University has been contributing to overall socio-economic growth of all the sections of society by providing greater access to professional education in the National Capital Region (NCR). By providing financial aids, scholarships and relaxation in qualifications for differently able students and socially backward classes, the university has registered significant increase in access during last 14 years.

Regular review of existing courses and introduction of new courses of current national and international relevance have been a major activity of the university to produce human resource which is more skilled and employable. There is a blend of conventional programme as well as inter-disciplinary programmes in emerging areas of technology. To maintain high quality, the teaching and learning processes have been made more rigorous and effective. Evaluation process has been made more transparent and credible with high level of automation. In fact, University feels proud of the fact that ICT enabled working in most of its functional units namely teaching, learning, evaluation, research, administration and governance ensures efficiency and transparency.

Universities have a larger role to play in creation of new knowledge through research. The university has not only made visible impact on national and international levels through quality research but has also competed well with other Peer Institutions. Recognition of the University School of Biotechnology by UGC for its 'Special Assistance Programme' and support received from DST under FIST programme to University School of Basic and Applied Science is the testimony of research advances made by the faculty members.

All the teaching programmes of the University fulfil the demands of the society with the pedagogy that meets the desired level of market orientation while maintaining a strong and exciting intellectual fervour. Since the University has shifted to its new campus efforts are on to make it a world class university with a social outlook and scientific ambience. Reform in management and governance system, innovative ideas in the academic and administrative spheres and the right moral and ethical orientation, the university can be given the status of being a University with difference.

1. CURRICULAR ASPECTS

We have 11 Schools of Studies in the University wherein as many as 37 Undergraduate and Postgraduate academic programmes are being conducted about 4000 Students. On the affiliation front, 2 Schools of Studies, namely, School of Engineering and Technology and School of Medicine and Para Medical Health Sciences are being maintained for providing leadership role to the programmes conducted under these Schools at affiliated institutions.

In all, the University has 106 affiliated institutes; of these, 80 are self financed and 26 are owned and managed by the Govt. of NCT of Delhi/ Govt. of India. In these affiliated institutions, more than 80 academic programmes are being conducted with an intake of 22,000+ students with a total strength of 63,000+.

The programmes offered by the university in different Schools are relevant and catering to the need of society. All programmes incorporate ICT tools to make them globally competitive. Curriculum development through various Committee such as Board of Studies, Sub Committee of Academic Council and Academic Council that includes external experts from academic institutions and industry ensures it. University has an in-built mechanism to regularly review programmes based on students' feedback, current needs, advances made in different subject areas and industry feedback. The university provides a broad spectrum of courses ranging from basic, applied, interdisciplinary and integrated programmes.

Academic programmes M.Tech in Food Processing Technology, M.Sc in Natural Resource Management and Post Graduate Diploma in Radiological Physics (Funded by UGC as an Innovative Programme) are made operational in the academic year 2012-13.

Under the aegis of student / Faculty exchange programme, students from Slovak University of Agriculture (SUA), Nitra, Slovakia, visited USMS in March 2012, where they were offered a course on Corporate Social Responsibility, Human Values and Ethics. 16 students along with Prof. Elena Henska participated in this programme. The credits earned by the students were transferred to their degree at SUA, Nitra.

Keeping in view the global higher education scenario, the curricular design has the contemporary features namely semester system, modularity, choice based credit system, credit transfer, inter university and intra-university migration, interdisciplinary programmes, elective options thereby offering the warranted flexibility to the students.

2. TEACHING LEARNING AND EVALUATION

Admissions to various programmes in the university are merit based made through Entrance Tests followed by a transparent system of personal counselling. With a view to provide increasing access and equal opportunities to all sections of society, the university provides reservations and relaxation in qualifications for SC/ST/OBC/differently abled candidates as per the policy of the Government. The university is endowed with highly qualified teaching faculty, mostly having Ph.D. degree and an excellent track record of professional progression. University encourages use of interactive teaching methodology aided by state-of-the-art teaching tools.

The University has taken measures to create a learner friendly system. To begin with, students have a simplified and user-friendly admission procedure. Whether an Indian or an international student, or those interested in the range of continuing education all prospective students, can get detailed information about academic programmes, how to apply for them and be a successful member of GGS IP University's learning community, through the University website interface.

Academic calendar is prepared and communicated in advance, keeping in view the UGC regulation. The user friendly infrastructure of the University with well established laboratories and University Information Resource Centre creates the right ambience for learning. University has plans to use the national knowledge network and the video-conferencing facility to deliver lectures to students of the affiliated colleges.

The University follows a pedagogy designed to equip the students with skills as per latest requirement of industry. It includes a well-planned blend of industry exposure, conceptual learning, practical assignments and innovative projects based on empirical methods. Emphasis is on interactive learning and employing sophisticated electronic media/computer aided tools and technologies. Business games and case studies are used to develop analytical and managerial skills in the students. Participation in seminars, group discussions and summer internships constitute an integral part of the pedagogy.

The University follows credit based evaluation. The overall weightage of a course in the Syllabi and Scheme of Examination is determined in terms of credits assigned to the course. Obtaining a minimum of 50% marks in aggregate in each course including the semester-end / year-end examination and the teacher's continuous evaluation is essential to earn the assigned credits. A student is eligible for the award of the University degree, if he/she has registered himself/herself, undergone the regular course of studies, completed the project report/ dissertation specified in the curriculum of his/her programme within the stipulated time, and has secured the minimum credits prescribed for the award of the concerned degree. Automation of the evaluation process is another significant feature.

3. RESEARCH CONSULTANCY AND EXTENSION

University has developed a very strong infrastructure for carrying out research in different areas of specialization. Most of the research is financially supported by central agencies such as Department of Biotechnology etc. in the form of research projects, Departmental Research Support by UGC and DST-FIST programmes. University has entered into memoranda of understanding with many institutes of national importance for collaborative research and sharing of infrastructure. A large number of individual faculty members have international collaborations. The contribution made by faculty of this university for research has been recognized at national and international levels. The quality of research in the university is reflected in the publications in the journals of high impact factors. A large number of faculty members have not only attended national and international conferences in India and abroad but have also delivered invited/plenary/ lectures. University has organized a large number of conferences/symposia/work-shops attended by eminent persons. Faculty members in different areas of specialization have been providing consultancy and academic counselling to industry and academia earning a substantial sum for the university.

Special development grant has been earmarked to promote academic excellence and research infrastructure. Through this development grant, each faculty can purchase laptop / tablet upto Rs.40,000 and get the amount reimbursed. Further each faculty is now entitled to participate in one International Conference every year (as compared to the UGC norm of once in three year block) and two National Conferences in a year. In a way each faculty is entitled to a grant of about Rs.12.0 Lac in five years which is even better than what the faculty at other premium Institutions are getting.

Our faculty members have published more than 180 research papers in various peer-reviewed national and international journals while more than 135 papers were presented in international and national Conferences proceedings, books, monographs, etc. during last one year.

Public funding for research in the form of sponsored projects from science ministries and government departments is critical for the high research intensity of the University. The number of sponsored projects and the funding have increased manifold during the last four years. More than 30 sponsored research projects are under operation in the University at present with a financial outlay of approximately Rs.5 Crores. More than 16 new research projects have been sanctioned in favour of the University from the UGC, DST, DBT and other funding institutions in the year 2011-12 itself.

Significantly USBAS has been awarded prestigious FIST project grant for improvement of Science and Technology Infrastructure with the financial support of Rs.115.00 Lac for the period, 2012-2016 by Department of Science and Technology (DST) Government of India.

The Ph.D. programme in the university has also got enhanced considerably during the recent years. The current year has witnessed a fresh enrolment of 82 candidates in the Ph.D. programme. The range of research subjects covers theoretical as well as the experimental work in diverse fields such as Polymer Engineering and Technology, Genome Mapping, Theoretical Particle Physics, Renewable Energy, Organizational

Behaviour, Financial Modelling, Strategy, Artificial Intelligence, Education Management, Contemporary Indian Literature, Biodiversity Conservation to name a few. With this we have committed ourselves in achieving the national goal for the availability of the highest-quality researchers and teachers to academic institutions and industrial organizations.

Fresh Batch of SC/ST/OBC/Minorities Coaching for Civil and Judicial Services was started on Sept. 17, 2011 under the UGC's SC/ST/Minority Scheme. Under the scheme Guru Gobind Singh Indraprastha University conducts regular Coaching Classes for Civil/Judicial Services Examination on Weekends. The coaching is open for the students belonging to SC/ST/OBC/Minorities/Women/General Candidates and is free as the expenditure is borne by the UGC under its SC/ST/Minority Scheme.

4. INFRASTRUCTURE AND LEARNING RESOURCES

A. INFRASTRUCTURE

The University's state-of-the-art Main Campus, spread over on an area of more than 60 acres, is located at Sector 16-C, Dwarka, New Delhi and 10 University Schools of Studies, namely, (i) University School of Basic and Applied Sciences; (ii) University School of Biotechnology; (iii) University School of Chemical Technology; (iv) University School of Education; (v) University School of Environment Management; (vi) University School of Humanities and Social Sciences; (vii) University School of Information Technology; (viii) University School of Law & Legal Studies; (ix) University School of Mass Communication; and, (x) University School of Management Studies are functional from here. Certain distinguishing features of Dwarka Campus are State of the Art Buildings; Rain Water Harvesting; Sewage Treatment Plant (Recycling for flushing, air-conditioning & horticulture); Usage of solar energy; Disabled friendly-Vehicular free pedestrian walk ways; Adequate Sports facilities; Shopping complex; Innovative landscaping; Attractive exteriors, Murals & Sculptures. University School of Architecture & Planning is still functioning from the

University's Kashmere Gate Campus and it's from here that the Indira Gandhi Institute of Technology (exclusively for women students) is also operational.

In so far as University's School of Architecture & Planning is concerned, its world class infrastructure is being created at University's East Campus located at Surajmal Vihar (spread over the land measuring nearly 19 Acres) wherein an Institute of Design shall further be established.

It was a herculean task for the University to shift to this Campus from Kashmere Gate yet we did not miss any activity of the University during this process. The planned infrastructure of the campus is second to none in our country and University looks forward to its successful utilization and contribute to national development by offering market oriented professional education.

Construction of a number of new buildings and facilities as per the Master Plan has been completed. They have also become functional in this academic year. These include: New Hostel Complex for Boys and Girls Students, Apartments for Faculty and Staff and new Building for Health Centre and the Bank. It is being ensured that all the new buildings meet the green building norms and are provided with energy efficient fittings. University is committed to protecting, preserving and further developing our campus to make it more academically ambient organisation.

B. LEARNING RESOURCES

UIRC is one of the vital components of the teaching learning process of the University. It has 46,100+ Books, 300+ Print Journals and 11,500+ E-resources. A Book bank facility is offered to all the students who are enrolled in any of the programmes offered at the university campus. Each student is entitled 5 books for the entire semester. It conducts orientation programme for all the students of the University Schools of Studies to help them access

the various facilities offered by the UIRC. The International Conference in February 2013 on the theme "Academic Library Services Cloud Computing-Moving Libraries to the Web" is a step towards networking with similar libraries and create future vision of UIRC i.e. to progressively move towards the cloud computing platform. Each school has developed good quality laboratories to cater to specific demands of the programmes

5. STUDENT SUPPORT AND PROGRESSION

They are 37 programmes being conducted in the University during 2012-2013, with an intake of about 1500 students. 64 International students took admission during the academic session 2012-13 from different countries of the world. Important among these being: Canada; Nigeria; Germany; Tibet; Thailand; Indonesia; Congo; Afghanistan; Bhutan; Iraq; Magnolia; Nepal; Cambodia; and Malaysia.

As per the statistics of passing out students for the academic year 2011-2012, GATE 2012 saw three out of the top 50 ranks capped by students from University School of Biotechnology. Students also consistently performed well in GRE and CSIR JRF exams by clinching three positions of top 100.

Last year has seen a substantial range of extracurricular student activities. This can be attributed to creation of Srijan under the supervision of Director Student Welfare with support from enthusiastic faculty members. Srijan, the Indraprastha Society for Creative Expression, is constituted to promote Co-curricular activities among students.

The University accords significance to all around development of the students. Series of sports and co-cultural activities are planned throughout the year to attain the same. The University has state of the art playgrounds comprising of Lawn Tennis Court, Badminton Court, Volleyball Court and a large Football ground besides indoor game facilities for Table Tennis, Chess, etc. A Sports Meet is also organized every year by the University where series of sports events covering Volleyball, Basket Ball,

Football, Cricket, Table Tennis, Badminton, Chess, Relay Race, Long, High and Triple Jumps, Short Put, Disc Throw, etc. are organized. These apart, students are also encouraged to participate in adventurous sports like, Trekking, Rock Climbing, River Crossing, River Rafting, Skewing, Rappelling, etc.

The University has a Students Welfare Fund for granting financial support to the extent of waiving of entire fee/partial fee payable by the students on the recommendations of a committee constituted for the purpose, whose parental income is less than Rs.1/- Lakh per annum. Further, these students could be either from the University Schools of Studies or from any affiliated institutions. This year too, on the basis of the recommendations of the committee constituted for the purpose, 507 Students of the University were supported in pursuing their academic endeavors.

The University has introduced 15 Doctoral and 05 Post Doctoral Fellowships. The amount of Doctoral Fellowship is Rs.14,000 per month for the first two years to be increased to Rs.16,000 in the third year and the fourth year. The amount for the Post-Doctoral scholarship is Rs.18,000 per month and the period is extendable to third year. These Fellowships have not been divided University School-wise with a view to maintain flexibility of offering them to the scholars of discipline wherever the 'spark' is seen/observed.

6. GOVERNANCE AND LEADERSHIP

It can be said with pride that participative system of governance and the unique model of financial management that exists in the University is a reflection of the visionary leadership of the Vice Chancellor Prof. D.K. Bandyopadhyay. As regards Governance, the role played by the Deans of different University Schools of Studies, Directors, who are assigned specific duties, Registrar, Controller of Finance, Controller of Examinations and Superintending Engineer is quite vital. As a matter of fact, their duties and responsibilities are well defined in the University's Act, Statutes and Ordinances.

To keep up the spirit of the technical and profession programmes, the following three Ordinances have been notified:-

- (i) Ordinance 32 : Code of Ethics, Conduct, Discipline and Penalties – Teaching Staff
- (ii) Ordinance 33 : Code of Ethics, Conduct, Discipline and Penalties – Non- Teaching Staff
- (iii) Ordinance 34: Guidelines for Delegation of Powers to Deans, has been enacted whereby their powers has been explicitly defined so as to enable them to function effectively.

The University has also notified the creation of a Joint Staff Council to have multi level consultative processes for the welfare of faculty, administrative officer and staff and effective functioning of this University. Constitution of 'Employee Grievance Redressal Committee' with a senior professor of the University as the Chairperson has been an important development. A 'Grievance Redressal Committee' has been constituted to address the grievances of students, parents, faculty, etc. related to affiliated colleges of Guru Gobind Singh Indraprastha University. Hon'ble Vice-Chancellor has also constituted a Task Force for the "Safety of Women in the Campus".

Further, the University has been able to formalize MoUs in order to facilitate exchange of faculty and students on the one hand, and take up collaborative research, consultancy assignments, organizing of international conferences / seminars with international Universities having good repute, on the other; some of these Universities are : Ostfalia University of Applied Sciences Braunschweig / Wolfenbuettel, Germany, University of Padova, Padova, Italy, Catholic University of Paris (CUP), Institut Superieur d'Electronique de Paris (ISEP), Venice International University, Venice, Italy, Webster University Vienna, Vienna, Austria, HHL-Leipzig Graduate School of Management, Leipzig, Germany, ESSEC

Business School, Cedex, France, ESCP, Europe, France, University of Malaya, Kuala Lumpur, Malaysia, Nanyang Technological University, Singapore and Singapore Management University, Singapore.

7. INNOVATIVE PRACTICES

University has taken various innovative measures to promote quality of teaching, learning, evaluation and research while ensuring ethical conduct and discipline. Ordinance 32 and Ordinance 33 related to Code of Ethics Conduct Disciplines and Penalties for teaching staff and non teaching staff have been notified for ensuring ethical conduct within the University. In order to recognize excellence, on the eve of Teachers' Day, Guru Gobind Singh Indraprastha University confers Best Researchers' Awards to teachers of the University, in recognition of their contribution in the field of research. The University made an ordinance for the establishment of Center of Excellence in the University, with the aim to excel in Teaching and Research in emerging areas of significance. In this regard, the University has established a Centre of Excellence in Pharmaceutical Technology and a senior faculty member has been entrusted with this responsibility. The vision of this Centre of Excellence is to bring innovation in this vital sector of the economy and to generate human resources in this sector of pharmaceutical technology with the highest professional and personal qualities.

The University has the 'Centre for Study and Propagation of Human Values': The Centre aims to play a positive role in encouraging students and other participants to rise above differences in rites, rituals and modes of prayer adopted by people of different faiths and commit themselves to the core values of humanism, thereby becoming better human being who can achieve richer fulfillment in their own personal and professional lives and effectively spread the positive message of human and compassionate behaviour in their respective spheres of influence within the family, society, the nation and beyond.

The University has a well defined system of recruitment and the process of selection is unique in the sense that all candidates are required to make a presentation on the subject of his/her choice to help the selection committee to make an assessment about the teaching skills and expertise in the field research. The University is proud of the robust and self sustainable model of financial management which ensures resource availability for enhancement of infrastructure, research and innovation and a learner friendly support system. Resources are channelized where they are needed to achieve the institutional vision of academic excellence. Perspective plans of the Schools are shared through the Financial Committee and resources are directed consistently to meet the priorities as delineated by the plans of the Schools, while at the same time ensuring availability of the funds to meet the unavoidable contingencies encountered by the institution.

B. PROFILE OF THE UNIVERSITY

Part I : Institutional Data

A. PROFILE OF THE UNIVERSITY

1. Name and address of the University:

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY*

Main Campus: (West Campus)

Sector 16-C, Dwarka, New Delhi-110 078

2. For communication :

▪ **Office**

Name	Area/ STD Code	Tel. Numbers	Mobile Numbers	Fax Numbers	E-mail ID
Vice-Chancellor : <i>Prof. Dilip K. Bandyopadhyay</i>	011	25302104 25302105	09910050662	28035243	vcggsipu@gmail.com
Registrar : <i>Dr. Bhaskar P. Joshi</i>	011	25302113 25302114	09999031402	25302111	bpjoshi09@gmail.com
Steering Committee Co-ordinator : <i>Prof. Neena Sinha</i>	011	25302117 25302119	09818056810	25302111	dr_neenasinha@yahoo.com

▪ **Residence**

Name	Area/ STD code	Tel. Numbers
Vice-Chancellor : <i>Prof. Dilip K. Bandyopadhyay</i>	0	9910050662
Registrar : <i>Dr. Bhaskar P. Joshi</i>	011	24672522
Steering Committee Co-ordinator : <i>Prof. Neena Sinha</i>	011	27871015

* **Effective from August 01, 2010, the University's Main Campus (also popularly known as 'West Campus') has been shifted from Kashmere Gate (now a satellite campus popularly known as 'North Campus') to Sector 16-C, Dwarka, New Delhi-110078 which has been constructed on its own land. Hence, all future correspondences by the esteemed officials of the NAAC may be addressed to : Guru Gobind Singh Indraprastha University, Sector 16-C, Dwarka, New Delhi-110078.**

3. **Status of the University**

State University :

Central University :

University under Section 3 of UGC :

Private University :

Institution of National Importance :

Any Other (specify) :

4. **Type of University**

Unitary :

Affiliating :

5. **Date of establishment of the University**

i.) Original (prior to establishment as a University) :

ii.) **As a University** :

Date, month & Year

DD	MM	YYYY
-	-	-
28	07	1998

6. **Date of UGC recognition as University:**

Under Section	<i>Date, Month & Year</i> (dd-mm-yyyy)
(i.) 2f	January 29, 1999
(ii.) 12B	March 01, 2001
(iii.) 3 of UGC	--
(iv.) Any other (specify)	--

7. **Does the University have a satellite campus?**

Yes No

8. **Campus area in Acres :**

i) Main campus area	60.436	See, please, the Note, given hereunder :
ii) Satellite campus I area	17.120	
iii) Satellite campus II area	18.750	

NOTE :

1. **Main Campus**, which is also popularly known as the 'West Campus' of the University is located at Sector 16-C, Dwarka, New Delhi-110078. The relevant details of this Campus are as given hereunder :

- a.) Total Land : 60.436 Acres
- b.) Dwarka Project : The total Buildings on this Campus shall be completed in phases. Phase-I has been divided into IX constructions packages :

- Package I - Five Teaching Blocks, Administrative Block, Library
- Package II - Hostels, Residences, Community Centre and other miscellaneous buildings
- Package III - HVAC
- Package IV - Electrical Substation
- Package V - Lifts
- Package VI - Murals
- Package VII - Tube Well
- Package VIII - University Sewerage Treatment
- Package IX - Solar Water Heating System

Accordingly, the Campus at Dwarka will have the following infrastructural facilities :

S. No.	Description	Total
1)	Administrative Block	1
2)	Library Block	1
3)	University School of Studies	13
4)	Tech. Park / Exhibition Hall/Museum	1
5)	Hostels	12 (7 boys, 5 girls)
6)	Teacher's Hostel	1
7)	VC Residence	1
8)	Staff Quarters Type-I	48
9)	Staff Quarters Type-II	64
10)	Staff Quarters Type-IV	150
11)	Staff Quarters Type-V	27
12)	Guest House	1
13)	Convenient Shopping Centre	1
14)	Community Hall	1
15)	Health Centre	1
16)	Cafeteria	2
17)	Auditorium	1
18)	Indoor Sports Complex	1

The Cabinet of Govt. of NCT of Delhi has approved an estimate of Rs.186.88 crores for the completion of Phase-I. It is from this Campus that the following 10 University Schools of Studies are operational:

- (i) University School of Basic and Applied Sciences*
- (ii) University School of Biotechnology*
- (iii) University School of Chemical Technology*
- (iv) University School of Education*
- (v) University School of Environment Management*
- (vi) University School of Humanities and Social Sciences*
- (vii) University School of Information Technology*
- (viii) University School of Law & Legal Studies*
- (ix) University School of Management Studies*
- (x) University School of Mass Communication*

These apart, the Vice-Chancellor's Secretariat and other administrative offices including the University's Information Resource Centre are also operational from here. Branch of Indian Bank is also functional at this Campus.

Distinguishing Features of this Campus :

- Rain Water Harvesting ; Differently-abled friendly with ramps at ground floor and 13 passengers lifts for upper floors ; Recycling of waste (Sewage Treatment Plant) ; Vehicular free pedestrian paths in the Campus ; Skylights in Central Library ; Space frame at main gate and near Administrative Block ; Central air-conditioning in part of Administrative Block, Library and teaching schools as per the requirement of labs etc. ; Power back-up with capacity of 4010 KVA. ; RO drinking water facility on each floor of all buildings ; and, Bridges interconnecting various buildings at different levels.

2. **Kashmere Gate Campus**, which is also known as **University's North Campus**. It is a satellite campus of the University spread over a total **land admeasuring 17.12 acres** ; not the whole of its but the space as per the requirements of 1 University Schools of Architecture and Planning is being used by Guru Gobind Singh Indraprastha University.

3. The University also has **land admeasuring 18.75 acres at Surajmal Vihar** for developing its '**East Campus.**' A Budget of Rs.64.88 crores has been approved for it for the proposed construction of (a) **National Institute of Design** ; (b) **a full fledged University School of Architecture and Planning of Global Level**. The work of construction of boundary wall and peripheral plantation along with earth filling and soil investigation has been completed.

9. **Location of the University:**

Urban	:	√
Semi-Urban	:	--
Rural	:	--
Tribal	:	--
Hilly Area	:	--
Any other (specify)	:	--

10. **What is the total number of institutions affiliated to the University* ?**

Disciplines	Total**	Permanently affiliated	Temporarily affiliated
Law	08	-	08
Medicine/Paramedical	19	-	19
Engineering	20	-	20
Education	26	-	26
Management	38	-	38
Others	40***	-	40***
Total	151		151

* *The total number of institutes/ colleges affiliated to the University is 106 which includes 26 Govt. Institutions and 80 Self-financing Institutions.*

** *The figures indicated under the Sub-Head of 'Total' for various professional institutes is not to be added for arriving at the figure indicated under the footnote marked '*' above for the simple reason that there are affiliated institutions in which courses related to different disciplines are conducted.*

*** *In 'Others' are included those affiliated institutes where academic programmes like MCA, BCA, BHMCT, BJMC & Advance Diploma in Child Guidance and Counseling are being run.*

11. Furnish the following information:

Particulars	Number	No. of Students
a) University Departments	11*	3919
b) Constituent Colleges	01	1205
c) Affiliated Colleges – Govt. funded	27	6600
d) UGC recognized CPE (colleges for Potential for Excellence)	--	--
e) Autonomous Colleges	--	--
f) Post-Graduate Teaching Centers in colleges	33**	8278
g) Recognized Research Institutes/ Centers	11***	12
h) Self-financing Colleges	80	50000+
Total	163	70014+

* *Apart from these Eleven University Schools of Studies, two Schools, namely, the School of Medicine and Para Medical Health Sciences and the School of Engineering and Technology are only playing 'leadership role' for the affiliated institutions.*

** *These Centers indicate the number of affiliated institutions wherein Post Graduate Teaching is being carried out.*

*** *In addition to these Centers, the University provides the status of 'Recognized Teachers' to the faculty of the nationally renowned research institutions which meet the eligibility qualifications and experience as laid down for the University Faculty in different disciplines. These 'Recognized Teachers' of the renowned institutions also enjoy the status of 'Recognized Supervisors'. And, in the institutes where they are available, the concerned institutes/centres are known as Approved Research Centres. These Centres include : (i) **INSTITUTE OF PATHOLOGY**, (Indian Council of Medical Research) Safdarjung Hospital Campus, Post Box No. 4909, New Delhi-110029 ; (ii) **INSTITUTE OF CHARTERED ACCOUNTANTS OF INDIA**, ICAI Bhawan, Board of Studies, C-1, Sector-1, Noida-201301 ; (iii) **NATIONAL INSTITUTE OF COMMUNICABLE DISEASES**, 22- Sham Nath Marg, Delhi-110054 ; (iv) **NATIONAL INSTITUTE OF MEDICAL STATISTICS**, (Indian Council of Medical Research), Medical Enclave, Ansari Nagar, New Delhi-110029 ; (v) **MALARIA RESEARCH CENTRE**, (Indian Council of Medical Research), (MINISTRY OF HEALTH AND FAMILY WELFARE), 22, Sham Nath Marg, Delhi-110054 ; (vi) **LNJN NATIONAL INSTITUTE OF CRIMINOLOGY AND FORENSIC SCIENCE** (Ministry of Home Affairs), Sector-3, Outer Ring Road, Rohini, Delhi-110085 ; (vii) **INSTITUTE OF MANAGEMENT TECHNOLOGY**, Raj Nagar, Ghaziabad-201001 ; (viii) **SIR GANGA RAM HOSPITAL**, Rajinder Nagar, New Delhi-110060 ; and (ix) **LAL BHADUR SHASTRI INSTITUTE OF MANAGEMENT**, Dwarka, New Delhi.*

12. **Current number of academic programmes / courses offered within the University, under the following categories (2012-13) :**

Programmes	Number
UG	08*
PG	27*
Certificate course	02*
Diploma	--
PG Diploma	--
M.Phil.	--
Ph.D.	37**
Any other (specify)	--
Total	74

* See, please, **Annexure-I** for the list of UG and PG programmes conducted in different University Schools of Studies.

**** List of Ph.D. Programmes :**

- | | |
|--|---|
| (i) Information Technology | (xxiii) Education |
| (ii) Computer Science and Engineering | (xxiv) English Literature |
| (iii) Software Engineering | (xxv) Communication Skills |
| (iv) Electronics and Communication Engineering | (xxvi) Journalism and Mass Media (including Electronic Media) |
| (v) Chemical Engineering | (xxvii) Mathematics |
| (vi) Instrumentation and Control | (xxviii) VLSI Design |
| (vii) Mechanical and Automation Engineering | (xxix) Human Genetics |
| (viii) RF and Microwave Engineering | (xxx) Medical Statistics |
| (ix) Information Security | (xxxi) Microbiology |
| (x) Digital and Wireless Communication | (xxxii) Electrical Engineering |
| (xi) Signal Processing | (xxxiii) Forensic Science |
| (xii) Biotechnology | (xxxiv) Human Genetics |
| (xiii) Management | (xxxv) Architecture and Planning |
| (xiv) Banking and Financial Institutions | (xxxvi) Medical Sciences |
| (xv) Insurance | (xxxvii) Pharmaceutical Technology |
| (xvi) Management of Real Estate | |
| (xvii) Disaster Management | |
| (xviii) Environment Management | |
| (xix) Chemistry | |
| (xx) Physics | |
| (xxi) Life Sciences | |
| (xxii) Law | |

13. Number of permanent and temporary members of the teaching staff:

	Female	Male	Total
Permanent teachers	77	98	175
Number of teachers with Ph.D. as the highest qualification	57	66	123
Number of teachers with M.Phil. as the highest qualification	-	-	-
Number of teachers with PG as the highest qualification	20	32	52
Temporary teachers	-	4	4
Number of teachers with Ph.D. as the highest qualification	-	2	2
Number of teachers with M.Phil. as the highest qualification	-	-	-
Number of teachers with PG as the highest qualification	-	2	2
Part-time teachers	27	149	176
Part-time teachers with Ph.D. as the highest qualification	09	67	76
Part-time teachers with M.Phil. as the highest qualification	-	-	-
Part-time teachers with PG as the highest qualification	18	82	100

C. CRITERION-WISE INPUTS

CRITERION – I : CURRICULAR ASPECTS

1. **Number of Programme options** 37
2. **Number of Subjects taught in the institution** 18+*
3. **Does the institution offer self-funded programmes?**
 Yes
 If yes, how many courses Yes | 011**

4	Inter/ Multidisciplinary programmes	Yes	√	No	-	Number	37
5	Programmes with Annual System	Yes	-	No	√	Number	-
6	Programmes with Semester	Yes	√	No	-	Number	37
7	Programmes with Trimester	Yes	-	No	-	Number	-
8	Programmes with choice based credit system	Yes	√	No	-	Number	21+
9	Programmes with elective options	Yes	√	No	-	Number	21
10	Courses offered in modular form	Yes	√	No	-	Number	09++
11	Courses with ICT-enabled teaching-learning process	Yes	√	No	-	Number	37

* The **subjects taught** in the institution includes : (i) Architecture & Planning ; (ii) Biotechnology ; (iii) Chemical Engineering; (iv) Education ; (v) Environment Management ; (vi) Information Technology; (vii) Computer Science & Engineering ; (viii) Electronics & Communication Engineering ; (ix) Engineering Physics ; (x) Nano Science & Technology ; (xi) Biodiversity & Conservation ; (xii) Software Engineering ; (xiii) Digital & Wireless Communication ; (xiv) Law & Legal Studies ; (xv) Business Administration with facility to specialize in Human Resource Management, Real Estate, Disaster Management, Consultancy Management, Information Technology Management, Global Business, Banking & Insurance, Financial Markets ; (xvi) Journalism & Mass Communication (xvii) Natural Resource Management; (xviii) Food Technology; and, (xix) Radiological (Physics).

** The **self-funded programmes** being conducted in the institution include: (i) M.Tech. (IT) Weekend ; (ii) MBA - Weekend ; (iii) MBA (Disaster Management) ; (iv) MBA (Real Estate) ; (v) MBA – Consultancy

Management (Weekend) ; (vi) MBA (Banking & Insurance) Weekend ; (vii) LL.M. - Cyber Crime and Cyber Law (Weekend) ; (viii) LL.M. – Intellectual and Industrial Property Law – (Weekend); and (ix) Master of Journalism and Mass Communication (Weekend) ; these apart, two Certificate Programmes in (x) Behavior Testing – Weekend ; and, (xi) Advanced Course in Behavior Testing – Weekend are also conducted on self financing basis.

- + The University has introduced **Choice Based Credit System** in all of its Post Graduate Programmes, namely, M.Tech. (Engineering Physics), M.Tech.(Nano Science & Technology), M.Tech. (Biotechnology), M.Tech. (Chemical Engineering), M.Ed., M.Sc. (Environment Management), M.Sc. (Biodiversity & Conservation) ; M.A. (English & Communication Studies), M.Tech. (Information Technology), M.Tech. (Computer Science & Engineering), M.Tech. (Electronics & Communication Engineering), M.Tech. (IT)-Weekend, MCA (Software Engineering), M.Tech. (Digital & Wireless Communication), LL.M., MBA, MBA (Financial Markets), MBA, B.Tech.– MBA (Dual Degree), Master in Mass Communication, Master of Journalism and Mass Communication (Weekend), M.Tech (Food Technology), M.Sc. (Natural Resource Management), M.Tech (Radiological Physics), Post Graduate Diploma in Education Management and MBA (Disaster Management), i.e. in each of the Masters' Programme, the courses have been identified which can be offered as elective course/s by the students who are admitted in different academic programmes conducted by the different University Schools of Studies. Not only that the University has a provision for transfer of credits of a student which he/ she may study abroad in lieu of the semester/s being offered by the concerned University's School.
- ++ The academic programmes offered in **modular form** include : (i) B.A.,LL.B. ; (ii) BBA,LL.B.; (iii) B.Tech./M.Tech. (Biotechnology) ; (iv) B.Tech./M.Tech. (Information Technology) ; (v)B.Tech./M.Tech. (Chemical Technology) ; (vi) B.Tech./M.Tech. (Computer Science & Engineering) ; (vii) B.Tech./M.Tech. (Electronics & Communication Engineering) ; (viii) B.Tech. –MBA (Dual Degree) ; and, (ix) Master of Arts (English and Communication) Studies.

CRITERION II : TEACHING – LEARNING AND EVALUATION

1.	Number of working days during the last academic year	347*																																										
2.	Number of teaching days during the last academic year	347*																																										
3.	Number of positions sanctioned and filled as on date	<table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="padding: 5px;">Sanctioned</th> <th style="padding: 5px;">Filled</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Teaching</td> <td style="padding: 5px;">321</td> <td style="padding: 5px;">179</td> </tr> <tr> <td style="padding: 5px;">Non-teaching</td> <td style="padding: 5px;">466</td> <td style="padding: 5px;">295</td> </tr> <tr> <td style="padding: 5px;">Technical</td> <td style="padding: 5px;">99</td> <td style="padding: 5px;">81</td> </tr> </tbody> </table>	Sanctioned	Filled	Teaching	321	179	Non-teaching	466	295	Technical	99	81																															
Sanctioned	Filled																																											
Teaching	321	179																																										
Non-teaching	466	295																																										
Technical	99	81																																										
4.	<p>a) Number of regular and permanent teachers</p> <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Professors</td> <td align="center" style="border: 1px solid black; padding: 2px;">M</td> <td align="center" style="border: 1px solid black; padding: 2px;">23</td> <td align="center" style="border: 1px solid black; padding: 2px;">F</td> <td align="center" style="border: 1px solid black; padding: 2px;">06</td> </tr> <tr> <td style="padding-right: 10px;">Readers/Assco. Professors</td> <td align="center" style="border: 1px solid black; padding: 2px;">M</td> <td align="center" style="border: 1px solid black; padding: 2px;">15</td> <td align="center" style="border: 1px solid black; padding: 2px;">F</td> <td align="center" style="border: 1px solid black; padding: 2px;">22</td> </tr> <tr> <td style="padding-right: 10px;">Lecturers/Asst. professors</td> <td align="center" style="border: 1px solid black; padding: 2px;">M</td> <td align="center" style="border: 1px solid black; padding: 2px;">59</td> <td align="center" style="border: 1px solid black; padding: 2px;">F</td> <td align="center" style="border: 1px solid black; padding: 2px;">51</td> </tr> </table> <p>b) Number of temporary teachers</p> <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Professors – On contract basis</td> <td align="center" style="border: 1px solid black; padding: 2px;">M</td> <td align="center" style="border: 1px solid black; padding: 2px;">02</td> <td align="center" style="border: 1px solid black; padding: 2px;">F</td> <td align="center" style="border: 1px solid black; padding: 2px;">-</td> </tr> <tr> <td style="padding-right: 10px;">Associate Professor – Part-time</td> <td align="center" style="border: 1px solid black; padding: 2px;">M</td> <td align="center" style="border: 1px solid black; padding: 2px;">02</td> <td align="center" style="border: 1px solid black; padding: 2px;">F</td> <td align="center" style="border: 1px solid black; padding: 2px;">-</td> </tr> <tr> <td style="padding-right: 10px;">Lecturers (Management appointees) - Full time</td> <td align="center" style="border: 1px solid black; padding: 2px;">M</td> <td align="center" style="border: 1px solid black; padding: 2px;">-</td> <td align="center" style="border: 1px solid black; padding: 2px;">F</td> <td align="center" style="border: 1px solid black; padding: 2px;">-</td> </tr> <tr> <td style="padding-right: 10px;">Lecturers (Management appointees) - Part time</td> <td align="center" style="border: 1px solid black; padding: 2px;">M</td> <td align="center" style="border: 1px solid black; padding: 2px;">-</td> <td align="center" style="border: 1px solid black; padding: 2px;">F</td> <td align="center" style="border: 1px solid black; padding: 2px;">-</td> </tr> </table> <p style="margin-left: 20px;">Total</p> <table border="1" style="margin-left: 20px; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">175+04+176**</td> </tr> <tr> <td style="padding: 5px;">= 355</td> </tr> </table> <p>c) Number of teachers</p> <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 10px;">Same state</td> <td align="center" style="border: 1px solid black; padding: 2px;">190</td> </tr> <tr> <td style="padding-right: 10px;">Other state</td> <td align="center" style="border: 1px solid black; padding: 2px;">165</td> </tr> <tr> <td style="padding-right: 10px;">Other country</td> <td align="center" style="border: 1px solid black; padding: 2px;">-</td> </tr> </table>	Professors	M	23	F	06	Readers/Assco. Professors	M	15	F	22	Lecturers/Asst. professors	M	59	F	51	Professors – On contract basis	M	02	F	-	Associate Professor – Part-time	M	02	F	-	Lecturers (Management appointees) - Full time	M	-	F	-	Lecturers (Management appointees) - Part time	M	-	F	-	175+04+176**	= 355	Same state	190	Other state	165	Other country	-
Professors	M	23	F	06																																								
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Same state	190																																											
Other state	165																																											
Other country	-																																											

* Excepting the Gazetted Holidays, the University remains open for teaching-cum-research in academic sessions.

** The University does not, by practice, appoint any faculty on part-time basis ; it, however, prefers to follow the policy of assigning one/ two full fledged course/s in relevant semesters to Visiting Faculty / Corporate Executives/Professionals.

5. a) **Number of qualified permanent teachers and their percentage of the total faculty strength**

179	100%
-----	------
- b) **Number of faculty development programmes availed by teachers during last one year (2011-2012) refresher / orientation programme**

Dr. DEEPSHIKHA AGARWAL

1. Attended the Refresher Course on Gender Studies from Dec. 12-31, 2011 at the Centre for Professional Development in Higher Education (CPDHE), University of Delhi.

Sh. R. L. UJJWAL

2. Attended AICTE Sponsored Refresher Course of 2 weeks in Dec. 2011 at Shri Mata Vashno Devi University, Jammu on the topic "MAT Lab & MAT ROX"

Dr. ANURADHA JHA

3. Attended the Refresher Course on Research Methodology from Dec. 12-31, 2011 at the Centre for Professional Development in Higher Education (CPDHE), University of Delhi.

Dr. NARESH KUMAR VATS

4. Attended UGC Sponsored Orientation Programme from Nov. 14, 2011 to Dec. 12, 2011 at CPDHE Institute of Lifelong Learning, University of Delhi.

Dr. ANSHU GUPTA

5. Participated in 75th Orientation Programme organized by Academic Staff College, JNU, New Delhi from April 4-29, 2011.

Dr. DURGESH TRIPATHI

6. Participated in UGC sponsored refresher course from Sept. 9 – Oct. 15, 2011 at Academic Staff College, University of Rajasthan, Jaipur and obtained grade A. Dr. Tripathi also chaired a special session on Film Censorship.

Mr. SACHIN BHARTI

7. Participated in UGC Sponsored refresher course from Sept. 26 – Oct. 15, 2011 at Academic Staff College, University of Rajasthan, Jaipur and obtained grade 'A'. Mr. Bharti also participated as a member in a special session on Film Censorship.

Mr. Amit Sharma

8. Participated in UGC Sponsored refresher course from July 9, 2012 – August 1, 2012 at AMU, Aligarh.

Mr. V.K. Wadhwa

9. Participated in UGC Sponsored refresher course from July 9, 2012 – August 1, 2012 at AMU, Aligarh.

- c) **Number of faculty development programmes organized by the University during the last one year**

			0	8
--	--	--	---	---

- d) **Number of academic development programmes organized by the University during the last one year**

Seminars/ workshops/symposia on Curricular development, Teaching- learning, Assessment & others

			1	5
--	--	--	---	---

Research development programmes

			0	8
--	--	--	---	---

Invited/endowment lectures

			1	0
--	--	--	---	---

Any other area (specify) [Excursion Trips]

			0	3
--	--	--	---	---

CRITERION III : RESEARCH, CONSULTANCY AND EXTENSION

1. **Number and Percentage of faculty members actively involved in research guidance and projects** Number %

2. **Research collaborations**

National

Yes No

If yes, how many?

Overseas

Yes No

If yes, how many?

Consultancy earnings

Yes No

If yes, how much?

3. **Total amount and percentage of the annual budget allocated for promotion of research**

Amount	Rs.10.26 crores#	%	18#
--------	------------------	---	-----

[# These are actual expenditure related figures based on Income & Expenditure Statement for the year 2011-12]

4. a) **Does the faculty have research projects ?**

Yes No

Added during 2011-12.

* This percentage relates to the faculty appointed by the University on regular basis.

** During the initial years, the focus of the University has been on strengthening the programmes of study, yet significant consultancy work has been undertaken by the faculty. The laboratories of University School of Environment Management are recognized by Delhi Pollution Control Committee, Govt. of NCT of Delhi to carry out analysis of air, water and noise pollution of

various industries and prepare adequacy reports of the same. The total revenue generated from this consultancy work during 2007-08 was ~Rs.35 lacs; during 2008-09 ~Rs.73 lacs and during 2010-11 ~ Rs. 1 crore. The School of Environment management is also associated with Department of Urban development, Govt. of NCT of Delhi in demarcation of boundaries of unauthorized colonies in Delhi. This consultancy work generated a revenue of Rs. 50 lacs in 2008-09.

Industrial consultancy is also being offered by faculty of University School of Chemical Technology. Some of their notable works are: Development of Carbon-dioxide based refrigeration system; Comprehensive audit focusing on safety, environment and occupational health for oil and natural gas corporation Ltd. (ONGC). Onshore installation, GCS and drilling Rig at Gannawala, Rajasthan and Risk assessment for MS quantity up-gradation project at IOC Guwati Refinery.

b) Provide the following details about the ongoing Research Projects# :

Major projects	Yes	√	No	-	Number	50 (37+13)	Agency	<i>List provided as indicated vide Footnote*</i>	Amount	Rs.1142 lakhs
Minor projects	Yes	-	No	√	Number	-	Agency	-	Amount	-
University /projects	Yes	√	No	-	Number	10**	Amount	Up to Rs. 1 /-lakh per annum		Rs. 10 lakhs
Industry sponsored	Yes		No	-	Number	01	Industry		Amount	Rs.8.5 Lakhs
Any other (specify)	-	-	-	-						
Number of students research projects	Yes	√	No	-	Number	12 (IP fellowship for 2012-13)	Rs.20.16 lakhs			

For full details of the Major Research Projects, see, please, *Annexure-II*.

* List of **Funding Agencies** is as thus : (i) CSIR ; (ii) All India Council for Technical Education ; (iii) Ministry of Environment & Forest ; (iv) Deptt of Biotech, Min. of Sci. and Tech., Govt. of India ; (v) University Grants Commission ; (vi) Min. of Science & Technology, Govt. of India ; (vii) Min. of Defence, DRDO ; (viii) Department of Sci. and Technology ; (ix) AUAC ; (x) BRNS ; (xi) Min. of Tribal Affairs, GOI (xii) MacArthur Foundation and World Bank (xiii) BRNS; and (xiv) FIST-DST.

** The University has formulated its own Scheme of funding research Projects for the benefit of new faculty ; under this Scheme a total sum of Rs.10/- Lakhs have been allocated whereby 10 Minor Research Projects shall be undertaken .

5. **Research Publications (2011-12)**

- (i) International Journals – 153 (See Annexure-III)
- (ii) National Journal – 28 (See Annexure-IV)
- (iii) Books – 07 (See Annexure-V)
- (iv) International Conference – 53 (See Annexure-VI)
- (v) National Conference – 83 (See Annexure-VII)

6. **Research Awards, recognition, patents, etc. if yes, specify ?**
(During the last year)

Yes No 2

Prof. RAJINDER K. GUPTA

1. Pratibha Nand, Sushma Drabu and Rajinder K. Gupta. A novel herbal composition for the treatment of acne & method of preparation thereof, Indian Patent # 4912/DEL/2012 DT. 9/3/2012.

Prof. M. A. SIDDIQUI

2. Prof. M. A. Siddiqui and coworkers (at the Bharat Petroleum Corporatin Ltd., his previous employer) have been granted Canadian patent (No. 2,668,181 dated 24th January'12), Australian patent (No. 2007331010 dated 9th Febuary'12), and US patent (No. 8163042 dated 24th April,2012) for their invention titled," Hydrocarbon Fuel Compositions".

CRITERION IV : INFRASTRUCTURE AND LEARNING RESOURCES

1.	a) Campus area in acres	96.306
	b) Built up area in Sq. Meters	1,49,646 sq.mts.

	Area in Acres of Land	Built up Area in Sq. Meters
i) Main Campus - West Campus : <i>Dwarka, Sector-16 C</i>	60.436	90,255 sq.mts+
ii) North Campus : <i>Kashmere Gate</i>	17.12	27,750 sq. mts.++
iii) East Campus : <i>Surajmal Vihar</i>	18.75	31,641 sq.mts.+++
Total	96.306	1,49,646 sq.mts.

2.	Open access	Yes	√	No	-
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3.	Total collection	
	a.) Books	46,044
	b.) Textbooks	
	c.) Reference books	
	d.) Book titles	14,000+
	e.) Magazines	16,000

4.	Is there Residential accommodation provided ?	
	a) Faculty	Yes √ No
	b) Non-teaching staff	Yes √ No

+ It is for the Phase I of the Dwarka Project.

++ The whole of this built up area is not being utilized by the University

+++ This built up area refers to the proposed area that would be available for the proposed Institute of Design and the University School of Architecture & Planning as and when it is available after construction ; although a budget of more than Rs.65.00 crores has already been approved by the Govt. of NCT of Delhi.

5. **Are there Hostels for students ?**

Yes	√	No	-	Yr. of Estb.	1999
-----	---	----	---	--------------	------

If yes, Number of students residing in hostels*

Male

Yes	√	No	-	Number	358
-----	---	----	---	--------	-----

Female

Yes	√	No	-	Number	358
-----	---	----	---	--------	-----

* Refers to intake capacity of the Hostel.

CRITERION V : STUDENT SUPPORT AND PROGRESSION

1. **Student Strength**

Total number of students is 3919.

2. **Dropout rate in UG and PG for the last two batches ?**

Below 2%

3. **Student Freeships and Scholarship : (2011-12)**

Number Amount

Endowments :

-	-
507	Rs.1,35,97,536/-

Freeships :

The University has a **Students Welfare Fund** for granting financial support to the extent of waiving of entire fee/partial fee payable by the students on the recommendations of a Committee constituted for the purpose, whose parental income is Rs.1,00,000/- per annum. Further, these students could be either from the University Schools of Studies or from any affiliated institutions. The financial implications for fee concessions for 2009-10 was Rs. 37,30,435 and for 2010-11 was Rs. 52,15,250, respectively.

Any other student financial support schemes (specify)

Other student financial support scheme, that is available in this University, include 'Research Fellowships.'

The amount of Doctoral Fellowship is Rs.14,000/- per month for the first two years and is increased to Rs.16,000/- in the third year and also for the fourth year, if recommended by the Research Degree Committee.

4. **Does the institution obtain feedback from the students on their campus experience?**

Yes	√	No	-
-----	---	----	---

5. **Examination Results (2011-12)**

1.	Number of Ph.D.	:	21
2.	Number of Master's Degree	:	3049
3.	Number of Bachelor Degree	:	12398
4.	MBBS	:	95
5.	MD/MS	:	71
6.	DM/M.CH.	:	12
7.	Total number of degrees conferred	:	15682
8.	Percentage of successful candidates	:	93.28%
9.	Exemplary performance and percentage	:	15 (0.10%)
10.	First Division with Distinction and Percentage	:	3979 (25.70%)
11.	First Division and Percentage	:	10950 (70.72%)
12.	Second Division and Percentage	:	552 (03.48%)
13.	Total number of students	:	16812

6. **Number of students who have passed the following during the year (2011-12):**

STUDENT ACHIEVEMENTS (BIOTECHNOLOGY)

STUDENTS REACH PINNACLE HEIGHTS IN POST GRADUATE ENTRANCE EXAMINATIONS

GATE 2012 saw three out of the top 50 ranks capped by students from University School of Biotechnology. Students also consistently performed well in GRE and CSIR JRF exams by clinching three positions of top 100.

GATE 2012

NAME OF THE STUDENT AND THEIR GATE RANK IN 2012

NAME OF THE STUDENT	GATE RANK IN 2012
ANKIT SABHARWAL	21
DIVYA PATHAK	31
PAWAN KUMAR	45
SHIVANGI KHANNA	98
NEERA MUNJAL	181
PRERNA JAIN	243
PRATIBHA BHARDWAJ	387
VIVEK CHAMOLI	NA

NAME OF THE STUDENTS AND THEIR CSIR-JRF NET DEC. 2011 RANK

NAME OF STUDENT	CSIR-JRF NET RANK
ANKIT SABHARWAL	39
PAWAN KUMAR	52
KRITI BAHL	78

7. Any other data on Student Support and Progress (specify)

“The Test” – a documentary film shot by Vinay Shanker won the best film award at Red Ribbon International Film Festival, Accra, Ghana in November 2011.

CRITERION VI : GOVERNANCE AND LEADERSHIP

- 1. Director of Board of University and College Development/ College Development Council.
Have the following positions of the University filled as per norms ?**

Vice-Chancellor	Yes+
Pro Vice-Chancellor (if any)	- +
Registrar	Yes +
Controller of Departments	-
Finance Officer	Yes+

2. a. Non-teaching staff	Permanent	M	196	F	53
	Temporary	M	44	F	02
b. Technical Assistants	Permanent	M	56	F	19
	Temporary	M	06	F	-
c. Ratio of Teaching – Non-Teaching Staff :	1 : 2.1				

+ These positions have been provided in the Act of the University. Further, there is no position of 'Controller of Departments'. But the Act does provide for the position of Controller of Examinations.

++ The University has the position of Controller of Finance in the University's Act and the same stand filled.

3. Financial resources of the University (approximate amounts) – Last year’s data

Grant-in-aid	Rs.1.70 Crores*
	Rs.20.00 Lakhs*
Fees	Rs.82.00 Crores
Donation	Nil
Self-funded courses	Rs.1.41 Crores

4. Welfare Schemes for the academic community (2011-12 and 2012-13)

Loan facility	Yes	-	No	✓
Medical/ Group Insurance	Yes	✓	No	Rs.29.27 Lakhs (2011-12)
	Yes	✓	No	Rs.22.65 Lakhs (2012-13)
Any other	-			

Kindly see the answer to Question No.6.4.9 of the Part-II of the Re-Accreditation Report.

* Grant received from UGC for SC/ST.

5. Internal resource mobilization (amount contributed)

Research	Rs.4,92,74,496/-
Consultancy and training	Rs.1,74,92,000/-
Student contribution	Rs.75,00,00,000/-

6. Infrastructure and welfare spending

Amount spent for infrastructure development	Rs.27,15,53,367/-
Amount spent for student welfare	Rs.1,35,97,536/-
Amount spent for staff welfare	Rs.35,24,000/-

***D. PROFILE OF THE UNIVERSITY
SCHOOLS OF STUDIES***

1. University School of Architecture and Planning

1.	Name of the Department	University School of Architecture and Planning
2.	Year of Establishment	2009-2010
3.	Courses / Programmes and subject combinations offered	Bachelor of Architecture (B.Arch.)
4.	Number of Teaching posts filled	Professor : 01 Associate Professor : 01 Assistant Professor : 10
5.	Number of Administrative Staff	03
6.	Number of Technical Staff	01
7.	Number of Students (Men/Women) <i>[Give details course-wise]</i>	<i>Men : 119</i> <i>Women : 132</i>
8.	Ratio of Students to Teachers	10 : 1
9.	Ratio of Teachers to Research scholars	NA
10.	Number of research scholars who have obtained their master's degree from other institutions	NA
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	NA
12.	Latest revision of the curriculum (year)	2009
13.	Number of students passed in NET/SLET etc. (last 5 years)	NA
14.	Success Rate of students	92%
15.	Demand Ratio (No. of seats : No. of applications)	1 : 14

16.	Awards and recognition received by faculty (last 5 years)	One Faculty received Certificate of Merit from Govt. of NCT of Delhi for Best Guide in Inter Polytechnic Project Competition of 2008 in Architecture
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	National : 11 International : 04
18.	Number of national/ international seminars organized (Last 5 years)	National : 07 International : 00
19.	Number of teachers engaged in consultancy and the revenue generated	Please see Evaluative Report Page No.80
20.	Number of Ongoing projects and their total outlay	1. Worth Rs.25.00 lacs (completed). 2. Worth Rs.1.00 lacs per acre (on going).
21.	Research projects completed during last five years & their Outlay	NA
22.	Number of inventions and patents	NA
23.	Number of Ph. D theses guided during the last five years	NA
24.	Publications by faculty (last 5 years)	NA
25.	Average citation index and impact factor of publications	NA
26.	Number of Books in the Departmental Library, if any	3340
27.	Number of Journals/Periodicals in the departmental library	14
28.	Number of Computers	51
29.	Annual Budget (excluding salary)	Rs.1.6 Crores (2011-12)

2. University School of Basic and Applied Sciences

1.	Name of the Department	University School of Basic and Applied Sciences
2.	Year of Establishment	1999-2000
3.	Courses / Programmes and subject combinations offered	1. B.Tech 2. M.Tech. (Engineering Physics) 3. M.Tech. (Nano Science & Technology) 4. PG – DRP (since 2012)
4.	Number of Teaching posts filled	23
5.	Number of Administrative Staff	04
6.	Number of Technical Staff	04
7.	Number of Students (Men/Women) <i>[Give details course-wise]</i>	Engineering Physics : 23 Men : 11 Women : 12 Nano Science : 26 Men : 10 Women : 16 PG – DRP : 25 Men : 02 Women : 00
8.	Ratio of Students to Teachers	10 : 1
9.	Ratio of Teachers to Research scholars	1 : 1
10.	Number of research scholars who have obtained their master's degree from other institutions	10

The adequate number of sanctioned teaching posts of all cadres exists. This figure is for the actually filled seats, however, the sanctioned posts of different cadres exists in adequate number.

11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	03
12.	Latest revision of the curriculum (year)	2011-12
13.	Number of students passed in NET/SLET etc. (last 5 years)	03
14.	Success Rate of students	100%
15.	Demand Ratio (No. of seats : No. of applications)	1 : 13
16.	Awards and recognition received by faculty (last 5 years)	05
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	~ 100%
18.	Number of national/ international seminars organized (Last 5 years)	National : 1 Intn'l : 1
19.	Number of teachers engaged in consultancy and the revenue generated	--
20.	Number of Ongoing projects and their total outlay	12 worth Rs. 1 crore approx.
21.	Research projects completed during last five years & their Outlay	13
22.	Number of inventions and patents	03
23.	Number of Ph. D theses guided during the last five years	15 (completed)
24.	Publications by faculty (last 5 years)	~ 150
25.	Average citation index and impact factor of publications	Citation Index : - Impact Factor : 1.5

26.	Number of Books in the Departmental Library, if any	--
27.	Number of Journals/Periodicals in the departmental library	Print Journals (National / Intn'l) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	40
29.	Annual Budget (excluding salary)	Rs. ~ 50 Lacs (2011-12) ++

++ *Subject to the approval by Finance Committee*

3. University School of Biotechnology

1.	Name of the Department	University School of Biotechnology
2.	Year of Establishment	1999
3.	Courses / Programmes and subject combinations offered	B.Tech./M.Tech. (Biotechnology) (Dual Degree, 4 Years+2 Years programme) M.Tech in Food processing Technology (2 Years programme)
4.	Number of Teaching posts filled	13
5.	Number of Administrative Staff	02
6.	Number of Technical Staff	06
7.	Number of Students (Men/Women) <i>[Give details course-wise]</i>	291 B.Tech.(Biotechnology) 35 M.Tech. (Biotechnology) 22 M.Tech in Food processing Technology
8.	Ratio of Students to Teachers	27 : 1
9.	Ratio of Teachers to Research scholars	1 : 2.5
10.	Number of research scholars who have obtained their master's degree from other institutions	30
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	3
12.	Latest revision of the curriculum (year)	2008
13.	Number of students passed in NET/SLET etc. (last 5 years)	25
14.	Success Rate of students	Over 95%
15.	Demand Ratio (No. of seats : No. of applications)	1 : 56

16.	Awards and recognition received by faculty (last 5 years)	13
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	100%
18.	Number of national/ international seminars organized (Last 5 years)	National : 3 Intn'l : Nil
19.	Number of teachers engaged in consultancy and the revenue generated	01
20.	Number of Ongoing projects and their total outlay	12 (3.5 Crores)
21.	Research projects completed during last five years & their Outlay	08
22.	Number of inventions and patents	01
23.	Number of Ph. D. theses guided during the last five years	14
24.	Publications by faculty (last 5 years)	120
25.	Average citation index and impact factor of publications	Average Citation : 13 Average Impact Factor : 3
26.	Number of Books in the Departmental Library, if any	-
27.	Number of Journals/Periodicals in the departmental library	Print Journals (National / Intn'l) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	85
29.	Annual Budget (excluding salary)	Rs.1.31 Crores (2012-13)

4. University School of Chemical Technology

1.	Name of the Department	University School of Chemical Technology
2.	Year of Establishment	1999-2000
3.	Courses / Programmes and subject combinations offered	<ul style="list-style-type: none"> ▪ B.Tech/M.Tech (Chemical Engineering) ▪ M.Tech/ Ph.D. (Chemical Engineering)
4.	Number of Teaching posts filled	Filled : 14 + 1 (Contractual)
5.	Number of Administrative Staff	3
6.	Number of Technical Staff	6
7.	Number of Students (Men/Women) <i>[Give details course-wise]</i>	B.Tech. - 161 M.Tech. - 16 Ph.D. - 10
8.	Ratio of Students to Teachers	12 : 1
9.	Ratio of Teachers to Research scholars	1:1 Approximately
10.	Number of research scholars who have obtained their master's degree from other institutions	09
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	01
12.	Latest revision of the curriculum (year)	2010

The adequate number of sanctioned teaching posts of all cadres exists. This figure is for the actually filled seats, however, the sanctioned posts of different cadres exists in adequate number.

13.	Number of students passed in GATE (last 5 years)	50
14.	Success Rate of students	100%
15.	Demand Ratio (No. of seats : No. of applications)	1: 1033
16.	Awards and recognition received by faculty (last 5 years)	--
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	13
18.	Number of national/ international seminars organized (Last 5 years)	06
19.	Number of teachers engaged in consultancy and the revenue generated	03 [Rs.1.50 Lakhs]
20.	Number of Ongoing projects and their total outlay	02 Research Projects worth Rs.22 Lakhs
21.	Research projects completed during last five years & their Outlay	--
22.	Number of inventions and patents	Applied for Patents (2)
23.	Number of Ph. D theses guided during the last five years	09
24.	Publications by faculty (last 5 years)	50
25.	Average citation index and impact factor of publications	Average Citation : 4 Average Impact Factor : 2
26.	Number of Books in the Departmental Library, if any	--
27.	Number of Journals/Periodicals in the departmental library	Print Journals (National / Intn'l) and E-resources are collectively subscribed in UIRC (50).
28.	Number of Computers	40
29.	Annual Budget (excluding salary)	Rs.50 Lakhs (2011-12) ++ Rs.100 Lakhs (2012-13) ++

++ Subject to the approval by Finance Committee

5. University School of Education

1.	Name of the Department	University School of Education
2.	Year of Establishment	2008-09
3.	Courses/Programmes and subject combinations offered	M.Ed.
4.	Number of Teaching post sanctioned and filled	Filled : 05#
5.	Number of Administrative Staff	01
6.	Number of Technical Staff	02
7.	Number of Students (Men/Women) [Give details course-wise]	36 Men : 2 Women : 34
8.	Ratio of Students to Teacher	7 : 1
9.	Ratio of Teachers to Research Scholars	Dr. Sangeeta Chauhan : 05 Dr. Dhananjay Joshi : 05 Prof. Saroj Sharma : 03 Dr. Shalini Yadava : 02
10.	Number of research scholars who have obtained their master's degree from other institutions	01
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	01
12.	Latest revision of the curriculum (year)	2011-12
13.	Number of students passed in NET/SLET etc. (last 5 years)	23
14.	Success Rate of students	100%

15.	Demand Ratio (No. of seats: No. of applications)	1:1.11
16.	Awards and recognition received by faculty (last 5 years)	02
17.	Faculty who have Attended National/International Seminars (last 5 years)	05
18.	Number of national/international seminars organized (last 5 years)	02
19.	Number of teachers engaged in consultancy and the revenue generated	05 <ul style="list-style-type: none"> School has appointed a consultant cum faculty advisor
20.	Number of Ongoing projects and their total Outlay	--
21.	Research projects completed during last five years & their Outlay	--
22.	Number of inventions and patents	--
23.	Number of Ph.D. Thesis guided during the last five years	--
24.	Publications by faculty (last 5 years)	Approx 50
25.	Average citation index and impact factor of publications	--
26.	Number of Books in the Departmental Library, if any	--
27.	Number of Journals/Periodicals in the departmental library	Print Journals (National/International) and E-resources are collectively subscribed in UIRC.

28.	Number of Computers	60 (Desktop computers)
29.	Annual Budget (excluding salary)	Rs.52.00 Lakhs (2011-12)++

++ Subject to approval by Finance Committee

6. University School of Environment Management

1.	Name of the Department	University School of Environment Management
2.	Year of Establishment	1999-2000
3.	Courses/Programmes and subject combinations offered	M.Sc. Environment Management –(EM), M.Sc. Biodiversity & Conservation (B&C) & M.Sc. Natural Resource Management (NRM)
4.	Number of Teaching post sanctioned and filled	20 and 12
5.	Number of Administrative Staff	04
6.	Number of Technical Staff	04
7.	Number of Students (Men/Women) [Give details course-wise]	1. M.Sc.(EM)- 48 Men: 6, Women: 42 2. M.Sc.(B&C) – 34 Men: 6, Women: 28 3. M.Sc.(NRM) – 24 Men: 3 , Women: 21
8.	Ratio of Students to Teachers	8 : 1
9.	Ratio of Teachers to Research Scholars	1 : 3.3
10.	Number of research scholars who have obtained their master's degree from other institutions	34
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	02
12.	Latest revision of the curriculum (year)	2010
13.	Number of students passed in NET/SLET etc. (last 5 years)	16

14.	Success Rate of students	100%
15.	Demand Ratio (No. of seats: No. of applications)	1 : 8
16.	Awards and recognition received by faculty (last 5 years)	03
17.	Faculty who have Attended National/International Seminars (last 5 years)	All
18.	Number of national/international seminars organized (last 5 years)	03
19.	Number of teachers engaged in consultancy and the revenue generated	03
20.	Number of Ongoing projects and their total Outlay	04 Projects, Rs. 50.93 Lac.
21.	Research projects completed during last five years & their Outlay	03 projects, Rs.33.5 Lac.
22.	Number of inventions and patents	--
23.	Number of Ph.D. Thesis guided during the last five years	37 : Ongoing 03 : Submitted
24.	Publications by faculty (last 5 years)	110
25.	Average citation index and impact factor of publications	1.0 approx.
26.	Number of Books in the Departmental Library, if any	No Departmental Library
27.	Number of Journals/Periodicals in the departmental library	Print Journals (National/International) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	56
29.	Annual Budget (excluding salary)	Rs. 91.50 Lakhs (2012-13) ++

The adequate number of sanctioned teaching posts of all cadres exists. This figure is for the actually filled seats, however, the sanctioned posts of different cadres existing adequate number.

++ Subject to approval by the Finance Committee

7. University School of Humanities and Social Sciences

1.	Name of the Department	University School of Humanities and Social Sciences
2.	Year of Establishment	1999-2000
3.	Courses / Programmes and subject combinations offered	M.A. (English & Communication Studies)
4.	Number of Teaching posts sanctioned and filled	09#
5.	Number of Administrative Staff	02
6.	Number of Technical Staff	Nil
7.	Number of Students (Men/Women) <i>[Give details course-wise]</i>	66 Men : 7 Women: 59
8.	Ratio of Students to Teachers	7 : 1
9.	Ratio of Teachers to Research scholars	1 : 2
10.	Number of research scholars who have obtained their master's degree from other institutions	06
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	01

The adequate number of sanctioned teaching posts of all cadres exists. This figure is for the actually filled seats, however, the sanctioned posts of different cadres exists in adequate number.

12.	Latest revision of the curriculum (year)	2007
13.	Number of students passed in NET/SLET etc. (last 5 years)	--
14.	Success Rate of students	100%
15.	Demand Ratio (No. of seats : No. of applications)	1:10
16.	Awards and recognition received by faculty (last 5 years)	02
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	-
18.	Number of national/ international seminars organized (Last 5 years)	01
19.	Number of teachers engaged in consultancy and the revenue generated	-
20.	Number of Ongoing projects and their total outlay	-
21.	Research projects completed during last five years & their Outlay	02
22.	Number of inventions and patents	-
23.	Number of Ph. D theses guided during the last five years	10
24.	Publications by faculty (last 5 years)	102
25.	Average citation index and impact factor of publications	-
26.	Number of Books in the Departmental Library, if any	NA

27.	Number of Journals/Periodicals	Print Journals (National / Intr'l) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	46
29.	Annual Budget (excluding salary)	Rs. 1 Crore (2011-12) ++

++ subject to the approval by the Finance Committee

8. University School of Information & Communication Technology

1.	Name of the Department	University School of Information & Communication Technology
2.	Year of Establishment	1999
3.	Courses / Programmes and subject combinations offered	B.Tech/M.Tech (Information Technology) B.Tech/M.Tech (Computer Science & Engineering) B.Tech/M.Tech (Electronics & Communication Engineering) MCA (Software Engineering) M.Tech (Information Technology) M.Tech (Computer Science & Engineering) M.Tec0068 (Digital Communication) M.Tech (IT)- Weekend M.Tech (CSE)- Weekend M.Tech (ECE) Weekend Ph.D in Information Technology Ph.D in Computer Science & Engineering
4.	Number of Teaching post filled	Filled : 41 (02 Professors on lien)
5.	Number of Administrative Staff	07
6.	Number of Technical Staff	12
7.	Number of Students (Men / Women) [Give details course-wise]	1660 (Approximate) Men : 990 Women : 670
8.	Ratio of Students to Teachers	16:1 [Excluding M.Tech – Weekend and 1 st Year]

9.	Ratio of Research scholar to Teachers	6:1
10.	Number of research scholars who have obtained their master's degree from other institutions	60%
11.	Number of teachers in academic bodies of other Autonomous Colleges and University	07
12.	Latest revision of the curriculum (Year)	2012
13.	Number of students passed in NET / SLET etc. (last 5 Years)	02
14.	Success Rate of Students	98%
15.	Demand ratio (No. of seats : No of applications)	B.Tech 1:354 (Approximate) MCA 1:127 (Approximate) M.Tech 1:15 (Approximate)
16.	Award and recognition received by faculty (last 5 years)	10
17.	Faculty who have attended Natl. / Instl. Seminars (last 5 years)	34
18.	Number of National / International seminars organized (Last 5 years)	02
19.	Number of teachers engaged in consultancy and the revenue generated	-
20.	Number of Ongoing project and their total outlay	01 (Funded by UGC)
21.	Research project completed during last five years & their Outlay	02 Completed (Funded by UGC & AICTE)
22.	Number of inventions and Patents	-

23.	Number of Ph.D theses guided during the last five years	20+
24.	Publications by faculty (last 5 years)	388
25.	Average citation index and impact factor of publications	Average Citation :2 Average Impact Factor :1
26.	Number of Books in the Departmental Library, if any	1. There is a Department Library. 2. Contains Ph.D thesis / Project Reports of B.Tech /M.Tech Students Projects
27.	Number of Journals / Periodicals	Print Journals (National / Intn'l) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	350
29.	Annual Budget (excluding salary)	Rs. 3.5 Lakhs (2012-13)

9. University School of Law and Legal Studies

1.	Name of the Department	University School of Law and Legal Studies
2.	Year of Establishment	2001
3.	Courses / Programmes and subject combinations offered	BA, LLB (Hons) BBA,LL.B (Hons) LLM
4.	Number of Teaching posts filled	20
5.	Number of Administrative Staff	04
6.	Number of Technical Staff	-
7.	Number of Students (Men/Women) [Give details course-wise]	466
8.	Ratio of Students to Teachers	20 : 1
9.	Ratio of Teachers to Research scholars	1 : 2
10.	Number of research scholars who have obtained their master's degree from other institutions	10
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	05
12.	Latest revision of the curriculum (year)	BA, LLB (Hons) / BBA,LL.B (Hons) : 2008 LLM : 2010

The adequate number of sanctioned teaching posts of all cadres exists. This figure is for the actually filled seats, however, the sanctioned posts of different cadres exists in adequate number.

13.	Number of students passed in NET/SLET etc. (last 5 years)	10
14.	Success Rate of students	>90%
15.	Demand Ratio (No. of seats : No. of applications)	1 : 107 (UG), 1 : 20 [LL.M]
16.	Awards and recognition received by faculty (last 5 years)	15
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	30
18.	Number of national/ international seminars organized (Last 5 years)	National : 05 Intrn'l : 03
19.	Number of teachers engaged in consultancy and the revenue generated	03
20.	Number of Ongoing projects and their total outlay	02 Projects worth Rs.73.48 Lakhs
21.	Research projects completed during last five years & their Outlay	-
22.	Number of inventions and patents	-
23.	Number of Ph. D theses guided during the last five years	15
24.	Publications by faculty (last 5 years)	90
25.	Average citation index and impact factor of publications	-
26.	Number of Books in the Departmental Library, if any	-

27.	Number of Journals/Periodicals	Print Journals (National / Intn'l) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	45
29.	Annual Budget (excluding salary)	Nearly Rs.57 Lakhs (2011-12) ++

++ subject to the approval by the Finance Committee

10. University School of Management Studies

1.	Name of the Department	University School of Management Studies
2.	Year of Establishment	1998
3.	Courses / Programmes and subject combinations offered	MBA MBA (Financial Market) MBA (General) - Weekend MBA (Real Estate) – Weekend MBA (Banking & Insurance) – Weekend MBA (Consultancy Management) – Weekend
4.	Number of Teaching posts filled	19#
5.	Number of Administrative Staff	06
6.	Number of Technical Staff	01
7.	Number of Students (Men/Women) <i>[Give details course-wise]</i>	552 (337 Regular + 215 Weekend) <i>Men : 343</i> <i>Women :209</i>
8.	Ratio of Students to Teachers*	15 : 1 (Excluding visiting faculty)
9.	Ratio of Research scholars to Teachers	9:1
10.	Number of research scholars who have obtained their master's degree from other institutions	79
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	03

* These faculty members are drawn from part of other schools and Research Scholar.

The adequate number of sanctioned teaching posts of all cadres exists. This figure is for the actually filled seats, however, the sanctioned posts of different cadres exists in adequate number.

12.	Latest revision of the curriculum (year)	2010
13.	Number of students passed in NET/SLET etc. (last 5 years)	05
14.	Success Rate of students	95%
15.	Demand Ratio (No. of seats : No. of applications)	1 : 50
16.	Awards and recognition received by faculty (last 5 years)	08
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	17
18.	Number of national/ international seminars organized (Last 5 years)	35
19.	Number of teachers engaged in consultancy and the revenue generated	-
20.	Number of Ongoing projects and their total outlay	02 worth Rs.9.80 Lakhs
21.	Research projects completed during last five years & their Outlay	05 worth Rs.22 Lakhs
22.	Number of inventions and patents	-
23.	Number of Ph. D theses guided during the last five years	16
24.	Publications by faculty (last 5 years)	165
25.	Average citation index and impact factor of publications	-
26.	Number of Books in the Departmental Library, if any	-
27.	Number of Journals/Periodicals	Print Journals (National / Intn'l) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	78**
29.	Annual Budget (excluding salary)	Rs.2.51 crores (2011-12)++

++ subject to the approval by the Finance Committee.

** Purchase of 92 computers is underway.

11. University School of Mass Communication

1.	Name of the Department	University School of Mass Communication			
2.	Year of Establishment	2010			
3.	Courses / Programmes and subject combinations offered	Master in Mass Communication Master of Journalism and Mass Communication (Weekend)			
4.	Number of Teaching posts sanctioned and filled	07#			
5.	Number of Administrative Staff	02			
6.	Number of Technical Staff	08			
7.	Number of Students (Men/Women) <i>[Give details course-wise]</i>	Programme	Men	Women	Total
		MMC	28	72	100
		MJMC(W)	26	47	73
		Total	54	119	173
8.	Ratio of Students to Teachers	14 : 1 (Visiting Faculty for Technical and Professional Courses)			
9.	Ratio of Research scholars to Teachers	NIL			
10.	Number of research scholars who have obtained their master's degree from other institutions	NIL			
11.	Number of teachers in academic bodies of other Autonomous Colleges and Universities	02			
12.	Latest revision of the curriculum (year)	2010			

The adequate number of sanctioned teaching posts of all cadres exists. This figure is for the actually filled in seats.

13.	Number of students passed in NET/SLET etc. (last 5 years)	15
14.	Success Rate of students	100%
15.	Demand Ratio (No. of seats : No. of applications)	1 : 18 (MMC)
16.	Awards and recognition received by faculty (last 5 years)	02
17.	Faculty who have Attended Natl./Intl. Seminars (last 5 years)	07
18.	Number of national/ international seminars organized (Last 5 years)	One ICSSR-funded 10-day course on Research Methodology (SC Category), February 2013.
19.	Number of teachers engaged in consultancy and the revenue generated	Nil
20.	Number of sponsored workshop and their total outlay	Nil
21.	Research projects completed during last five years & their Outlay	01 (Approx. Rs. Six Lakh)
22.	Number of inventions and patents	Nil
23.	Number of Ph. D theses guided during the last five years	03 completed 01 Guiding
24.	Publications by faculty (last 5 years)	27
25.	Average citation index and impact factor of publications	-

26.	Number of Books in the Departmental Library, if any	NA
27.	Number of Journals/Periodicals	Print Journals (National / Intn'l) and E-resources are collectively subscribed in UIRC.
28.	Number of Computers	50 (including seven laptops to faculty members)
29.	Annual Budget (excluding salary)	Rs.3.05 crores (2012-13) ++

++ subject to the approval by the Finance Committee

***E. EVALUATIVE REPORT OF THE
SCHOOLS***

1. UNIVERSITY SCHOOL OF ARCHITECTURE & PLANNING
[USAP]

1. UNIVERSITY SCHOOL OF ARCHITECTURE & PLANNING (USAP)

The University School of Architecture & Planning (USAP), under the aegis of Guru Gobind Singh Indraprastha University was established in the year 2009. USAP has started the B.Arch Programme with due approval from Council of Architecture (CoA), and has an annual intake of 80 students. USAP is dedicated to study and undertake research in the area of Architecture and Planning. The School plans to start a Postgraduate programme in the near future. At present the total strength of the Students in the School is 252, of which 132 are women.

The vision statement of the school is "The highest education is that which does not merely give us information but makes our life in harmony with all existence". The school aspires to make a centre of learning which is knowledge-driven and not merely information-driven and hence achieve academic excellence. It plans to develop a synergy between various conventional concepts, theories and applications of architecture and contemporary challenges in the built environment.

The mission of the School is articulated as : USAP positions itself become a Centre of Excellence for knowledge creation, implementation and dissemination in the core areas of Architecture and Planning.

The School adopts a combination of teaching, research and training for the curriculum development and pedagogy. USAP recognizes equitable development as the key challenge to contemporary societies. Students are encouraged to develop a critical ability to reflect upon current challenges of a rapidly developing technology-based society.

Presently, the school is housed in the existing University Campus at Kashmere Gate. It has architecture studios, lecture rooms, seminar halls and an operational computer lab with various architecture related software installed. The school has its separate library having above 3000 volumes and journals. The students have an access to the Central Library as well.

A world class infrastructure is in the process of creation at University's East campus having 18.75 acre land located at Surajmal Vihar as a new campus for USAP and a new School of Design.

USAP is a part of the larger University community which has a full calendar of student events – sports, fests, debates, performing arts as well as participation in International and National programme for students.

USAP introduced 'Courtyard' as a forum for discussion the exchange of views on relevant and contemporary issues on built environment. In this forum, USAP is actively organizing workshops, seminars, symposia, exhibitions and other related activities across the year.

The School has been actively engaged in the consultancy / research projects. The following have been undertaken by USAP so far, namely, Preparation of Local Area Plan for 03 MCD Wards, Rental Housing Options for EWS / LIG in Delhi, and Preparation of Layout Plans for Regularization of Unauthorized colonies.

The future plan of action for the next five years includes establishment of USAP as a Centre of Academic Excellence in the area of Sustainable Architecture and Planning, initiating inter-disciplinary Post Graduate and Doctoral programmes. It intends to further enrich the laboratories and, workshops with state-of-the-art facilities so as to develop and propagate the environment for research oriented development and start its own journal.

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2. UNIVERSITY SCHOOL OF BASIC & APPLIED SCIENCES
[USBAS]

2. UNIVERSITY SCHOOL OF BASIC AND APPLIED SCIENCES (USBAS)

University School of Basic and Applied Sciences (USBAS) was initially conceived to impart teaching of basic sciences and their applied part related to different interdisciplinary courses belonging to different University Schools. USBAS has a total faculty of 23 of which 22 are qualified with Ph.D. degree and one is M.Tech. Thus, USBAS impart education of Physics, Chemistry and Mathematics in first year of B.Tech courses to ~ 800 B.Tech. students of different University Schools.

However, **as of now it also conducts three advanced Programmes namely, M.Tech (Engineering Physics), M. Tech. (Nano Science & Technology) and Post Graduate Diploma in Radiological Physics.** The admissions to these programmes are finalized on an all- India-basis-merit and every year 53 students are admitted in these courses. In M. Tech courses the gender ratio, F/M is ~ 40/60. The faculty of School is fully qualified and is quite experienced. Most of them are involved in teaching of both UG, PG and the research work carried out and it is based on International collaborations. Also, in the last two years 7 faculty members have been benefited by the orientation/ refresher courses. The faculty is having collaboration for research with the prestigious institutes in the country and abroad such as, NPL, DRDO, IUAC, IGCAR, BARC, CECC, IOP(Taiwan) and INPE and JINR(Russia) and have been publishing ~20-25 research papers per year in these collaborations **leave aside similar number of their own.** In last 5 years the USBAS faculty has published ~150 papers in journals and in the national and international conferences/ symposia. Every year 5-6 faculty members attend conferences/ meetings abroad. Similarly, every year several M.Tech students get fellowships for higher and advanced works and employment either in industries or in R&D organizations.

The USBAS has two well equipped centres for grooming in experimental techniques i.e. TRC and a set of Nano Science laboratories. The areas of research and advance works pertaining to the USBAS are Nano Science, Solar thermal energy, Nano electronics, Ion beam Techniques, High Energy Physics, B-Physics, QCD Phenomenology, Relic Neutrinos and Radiation damage, ADS

Physics and R&D related to ADS Technology, Material science, Quantum Optics and Quantum Coordinate Chemistry, Theoretical Physics and Modelling, Polymer Chemistry, Organometallic Chemistry, Metal Ion Catalysed / promoted Organic Chemistry, Non-Linear Systems, Optimization and Operation Research, Space dynamics and Stochastic processes etc.

This year the faculty of the School has got 08 research projects from different funding agencies and a Mega project from BRNS is being considered for grants to the USBAS. The USBAS has also been granted FIST –I project for Physics worth Rs.1.2 crores.

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3. UNIVERSITY SCHOOL OF BIOTECHNOLOGY
[USBT]

3. UNIVERSITY SCHOOL OF BIOTECHNOLOGY (USBT)

University School of Biotechnology (USBT) has been set up with the mission of generating world class human resource and knowledge base for biotechnology education, research and development based on goals of national development, social awareness and conscience. The vision of USBT has been to impart learner-centric education, research demonstration and dissemination of knowledge that may be needed for a sustainable society. The School offers B.Tech/M.Tech (Dual Degree) and Ph.D. Programmes. Admission to these programmes is strictly through an All Indian Common Entrance Tests. Overwhelming demand of Biotechnology professionals led to an increase in seats from 30 to 45 in the academic session 2006-07. The applicant's intake ratio has been highly competitive.

The School is equipped with advanced equipments costing over Rs. 7 crores and has been ranked second in terms of library and infrastructure after JNU, with an overall fourth rank in the country by Cyber Media Research (publishers of Biotech magazine Biospectrum, August 2010). USBT is the youngest among all Top Ten Biotech Schools and it was ranked fourth in the country for Industrial Placement as well. The USBT has established state-of-the-art laboratories for teaching and research in different areas of biotechnology viz. plant tissue culture, animal tissue culture, genomics, proteomics, microbial technology and bioinformatics. USBT recently, acquired automatic DNA sequencer and FT-NIR facility also.

The School has a research programme leading to the award of Ph.D. Degree in various sub-disciplines of Biotechnology. Research is an important activity of USBT that has led to publication of over 200 research papers in last 7 years of which 105 are in International Journals. Presently there are 25 students pursuing Ph.D. under the guidance of faculty members. The thrust area of research being conducted in the School include: plant biotechnology; structural and functional genomics, plant based bioactive, biotic and abiotic stress, signaling development and metabolic regulation, plant tissue culture and transformation, animal biotechnology, cancer biology, immunology and

epigenetic, microbial biotechnology, antimicrobials, microbial enzymes, biosensors and other products.

The School boasts of an excellent faculty profile. Faculty members of the USBT are PhD holders from reputed institutions in India and abroad and represent diverse areas such as genomics, bioinformatics, agricultural biotechnology, biomedical research, pharmaceutical biotechnology, environmental biotechnology and industrial biotechnology, as well as IPR, biosafety, bioethics and management issues, as evidenced by their publications, conference presentations, awards, and extramural research grants. Some of them are Fellows of National Academies/Societies/Professional bodies. Faculty members have availed top research Fellowships like Alexander von Humboldt, JSPS, INSA-DFG, INSA-Royal Society, BOYCAST, UNESCO, Biotechnology Award, etc. to work in world-renowned institutes in Germany, Japan, UK and USA. The faculty consciously orients and updates themselves by attending refresher/orientation courses and participating in national/international conferences/symposia/workshops. So far the faculty has attracted extramural funding of Rs. 4.5 crores in the form of sponsored research projects from various granting agencies like DRDO, CSIR, DST, DBT, AICTE, UGC and MoEF. We have recently received grant from UGC under SAP programme on "Phytomedicine" for the period 2011-16.

The faculty of the School is also actively involved in large number of additional activities like designing of new experiments, innovating and practicing new methods of teaching such as multimedia presentations, extensive use of problem solving exercises, writing/editing of books, reviewing manuscripts and grants proposals, editing journals, training other college and school teachers, counseling of students on their performance, career planning, contacts, testimonials, support and developing project proposals. We recently organized an Indo UK conference on Stem Cells under a Scheme by DBT wherein the delegated form UK as well as India interacted with the students and faculty of the department.

Our student's profile reflects its national character in terms of various regions, communities and gender. After completing B.Tech/M.Tech course a majority of students opt for PhD in India (IISc, NCBS, CCMB, JNCASR, NCCS, ICGEB, IGIB, NII, IITD, IITM, IITK, IITB) or abroad in Universities like Cambridge, Gottingen, Tufts, Penn State, Ohio State, Utah, Iowa State, Chicago, Massachusetts, Texas A & M, Cincinnati, Nebraska, and Max-Planck Institute, Frankfurt. Some of the students opt for MBA programme. Students have also been regularly offered jobs by industrial organizations such as Reliance, Panacea Biotech, TCGA, BCIL, Jubilant Organosys and E-value serve. Students of the USBT have proven their academic acumen by successfully qualifying in many national (UGC/CSIR/NET, ICMR, GATE, Cat, IIFT, IMI, ICFAI, XIMB) and international (GRE, TOEFL, IELTS, GMAT) competitive examinations, often with top scores and ranks.

The syllabus of the B.Tech/M.Tech programme is also being regularly updated. For this purpose, inputs from the entire faculty of the School are gathered which, of course, are supplemented by the inputs from external experts as well. So far there have been four rounds of curriculum development/improvement in last ten years. With a view to facilitate teaching, the School takes active interest in strengthening the collection of books, journals, CDs and databases in the University's Information Resource Centre. As part of the UGC – Infonet Consortium, which ensures full text access to thousands of international journals online, the School has obtained subscription to hundreds of Elsevier online journals of relevance.

Additional facilities are also being planned such as animal house, departmental library, food and nutraceuticals lab. etc. Having established excellent infrastructural facilities, the School intends to consolidate the existing strengths and expand into other areas such as Biophysics/Structural Biology, Biochemical Engineering, Bioprocess Technology, Tissue Engineering, Urology, Food Biotechnology, Environmental Biotechnology etc. which are of utmost importance for a country like ours.

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**4. UNIVERSITY SCHOOL OF CHEMICAL TECHNOLOGY
[USCT]**

4. UNIVERSITY SCHOOL OF CHEMICAL TECHNOLOGY (USCT)

University School of Chemical Technology (USCT) has been set up with an objective to fulfill the need for trained manpower for the Chemical Industry which is quite strategic for the growth of the country by offering Graduate/Post graduate programmes and generating new knowledge via R&D in new frontier areas of Chemical Engineering. B.Tech/M.Tech (Dual Degree) programme in Chemical Engineering is being offered in the modular framework where students have the choice to exit the programme after completing four years of study and obtaining 200 credits leading to the degree of B.Tech in Chemical Engineering. In addition to this, the School offers the programmes of M.Tech in Chemical Engineering and Ph.D. in Chemical Engineering.

The curriculum is structured in a manner that domain knowledge related to chemical engineering imparts alongwith the relevant inter-disciplinary courses from schools such of Biotechnology, Information Technology, Environment management and Management with a view to align it to the changing requirement of industry and society at large. About 190 students are enrolled in B.Tech/M.Tech (Dual Degree) (Chemical Engg.), M.Tech. (Chemical Engg.) programmes and 10 Research Scholars are enrolled in Ph.D. Programme. The students are from all sections of our society. More and more girl students are enrolling in these programmes especially in M.Tech where girls out number boys.

The highly qualified and experienced faculty members of USCT are drawn from varied sources which include process industry, research organizations, and academic institutions. The faculty includes the Dean, two professors, three Associate Professors and eight Assistant Professors. Ten out of Fourteen faculty members are Ph.D. holders in Chemical Engineering. Rest of the faculty of the School is either currently enrolled for Doctoral Research at various universities or is in the process of enrolling.

The faculty is actively engaged in research which is adequately manifested in the number of publications in refereed international/national journals over the last five years. The faculty is making significant contribution to enhance knowledge in the field of chemical engineering by interaction with other

colleges/institutes through lecturers, evaluation of B.Tech, M.Tech, Ph.D work, setting papers, etc. in their respective field of expertise. The faculty is also engaged in consultancy and project work. The thrust heat and mass transfer, polymer technology, nanotechnology and separation technology.

Students are encouraged to interact freely with the faculty both inside and outside the class room. Besides class room teaching, students carry out their practicals for which the School has state-of-the-art laboratories which prepare them for the workplace and help in developing interpersonal and team work skills. The laboratories are well equipped with the ultra modern equipment/instruments. All basic chemical engineering laboratories like Instrumentation and Process Control, CAD and Simulation, Heat Transfer, Mass Transfer, Fluid Mechanics, Reaction Engineering and Mechanical Operations are fully equipped with latest instruments/equipment.

In order to provide industry interface, the School organizes visits to industrial sites and refineries. Eminent professionals from the industry are invited to interact with the faculty and students. Senior executives from Indian Oil Corporation Limited [IOCL(R&D centre)], Stone and Webster Inc., Engineers India Limited (EIL), Institution of Engineers (India), to name a few, have visited the School and delivered lectures in their respective areas of expertise.

The Training & Placement Cell at USCT constantly endeavors to forge a strong network with the industry to ensure quality placements of its students. Some of the reputed companies where students of USCT have found their placements include: Reliance Industries Limited, NFL, Nuclear Power Corporation Limited, BALCO, Hindustan Lever Limited, IOCL, ONGC, EIL, Bhaba Atomic Research Centre, NTPC, Bharat Petroleum Corporation Limited, Glaxo Smithline, Defence Research & Development Organisation, Dabur Research Foundation, Hindustan Copper Limited, Prakash Chemicals Limited, CICO Chemicals Limited, KLGESS, Jubilant Organosys and Nerolac. About 20 students have gone abroad for higher studies and most of them are well placed abroad.

The learning environment at USCT is intellectually stimulating and more than ten students have taken admission in leading overseas universities for pursuing their higher education. A good number of students qualify the GATE examinations each year. The students of USCT regularly participate in inter- and intra-institute competitions and have brought accolades to the School. The students' body 'REACT' organizes an annual technical fest '**Sanshlation**', which provides them an opportunity to interact with the students of other institutions. Over the last few years students have organized programmes sponsored by the Indian Institute of Chemical Engineers, Northern Region Centre, covering the topics of current significance with students of other colleges/institutes in this region.

The USCT is actively pursuing the goal of imparting quality education, training and facilitating research in the emerging areas of technology. The School plans to undertake major curriculum change both in B.Tech and M.Tech programmes in order to make them relevant and reflect current trends in the chemical industry.

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5. UNIVERSITY SCHOOL OF EDUCATION [USE]

5. UNIVERSITY SCHOOL OF EDUCATION (USE)

University School of Education (USE) aims to facilitate studies in all emerging areas of education such as education management, planning & finance, educational technologies, inclusive education, etc. to prepare teachers who are well versed with the skills & competencies required for being an effective teacher. The School endeavor to create a climate of life long learning and empower individuals to be torch bearers of social change by transforming the very face of teacher education as reflected in its mission statement: **“University School of Education shall function as a cradle to prepare motivated & dedicated educators, policy planners, administrators and most importantly lifelong learners who shall function as catalyst to create & sustain learning communities which promotes equality and equity in education”**.

The School has emerged as a role model with respect to pedagogical interventions, innovations in research and creation of enriched teaching-learning environment which ignite minds. The School offers M.Ed regular and Ph.D programmes. Master of Education programme aims to prepare socially responsible and responsive teacher educators who are ready to face all challenges accompanying globalization. The School supports this endeavor through the provision of state of art infrastructure comprising spacious lecture rooms, seminar halls, conference halls, educational technology laboratory, psychology laboratory, language laboratory, resource room, Book Bank & a rich library which houses a large number of books, periodicals & journals covering diverse themes of education. Ph.D. programme at the School aims at developing competence in the methodology of conducting research in various fields of teacher education with the aim of publishing quality research papers in the cross-functional areas of education.

Initiatives taken at USE for revamping teaching education includes organizing guest lectures, workshops and visit to CIET and different apex bodies in the area of education. USE has entered into collaboration with intel to integrate technology in all dimensions of education. **‘Samvad’**- the faculty development programme is being organized in the School from time to time for

the principals & faculty members of affiliated institutes, faculty members of the School and the research scholars. **Placement Cell** has been established in year 2010 & currently it is catering to the professional needs of the Scholars associated with the School. '**Edu-Sangam**', the alumni association of M.Ed scholars has been formed and it gives the Alumni a sense of creative belongings with the School.

Future plans of the School includes taking up innovations relating to teaching-learning approaches and methods of teaching in different subjects and the material development for addressing plural needs of the students. USE is exploring new dimensions in teacher education related to societal needs and several short-term certificate and diploma courses in the field of contemporary education which would be taken up in future so as to reach the grassroots level segment. Concepts of public-private partnership and mobile team teaching has been planned to serve this purpose. Relation with industry, NGO's and corporate houses would be developed to promote corporate social responsibility initiatives. Keeping in view the social responsibility of education, several projects are being conceived in collaboration with UNESCO, UNICEF & UNFPA. As a matter of fact, USE is in process of speeding up of the placement and consultancy services for prospective teachers in a modern techno-savvy way to cater the societal needs.

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**6. UNIVERSITY SCHOOL OF ENVIRONMENT
MANAGEMENT [USEM]**

6. UNIVERSITY SCHOOL OF ENVIRONMENT MANAGEMENT

The University School of Environment Management was established in the year 1999 essentially to address future environmental problem through and sustainable use of natural resources through quality education, training and research. The vision followed by the School is to actively pursue the goals of imparting quality education, training and facilitate research in the field of environment and natural resources management and also act as a think tank in policy matters related to environment management and sustainable development . The School is set up for the accomplishment of its nation to build a pool of trained and dedicated professionals who can contribute to the systematic development of policies, measures and programmes for environmental management and sustainable development at national and international levels. This is the first University in the country to start a two-years Master Programme in *Environment Management* and one of the few Universities who have offered the course on *Biodiversity and Conservation* a two-years Master programme to address biodiversity and sustainability issues and challenges, the country is facing towards balancing the rapid economic growth, the country want to achieve. In the year 2012 USEM launched a very unique multidisciplinary M.Sc. programme on Natural Resource Management (NRM), with 25 students intake, which is the first time such course is started in North India by any Govt. sponsored University.

The school's postgraduate programs are designed to promote the multidisciplinary study of challenges facing society in areas that cover the biological spectrum from organisms to ecosystems, with an equal emphasis on the social and human dimensions of these challenges to target a sustainable environment. Often, teaching, research, and outreach are done in collaboration with faculty members from various departments, centers, and institutes from throughout the university and beyond. The school's students not only have access to quality classroom experiences, but also the opportunity to participate with faculty in world-class research projects. The interdisciplinary approach applies scientific, social, political and economic perspectives to address the needs of human communities and the natural environment and managing

agricultural and forestry systems, watersheds, and landscapes in an ecologically sound manner.

The School has developed a very competent qualified interdisciplinary faculty to address various environmental issues through the education, research and training programme. At present, there are 12 full times and 3-5 contract faculty members serving different activities at the School, all of them have Doctoral Degree and having wide national and international exposure which enable them to have collaboration with various other leading institutions. Almost all the faculty members have their own field of specialization. There are Ph.D Scholars working on various topics of environment management and biodiversity conservation. The thrust area of research include: climate change and environmental mitigation, forestry, wetland conservation, environmental hazards, environmental biotechnology, water and wastewater treatment, environmental modeling, urban green space management, biodiversity characterization, taxonomic study, environmental monitoring/impacts of air, water & soil, application of GIS and Remote Sensing in Natural Resource Management, ecological / environmental services, energy studies, interpretation modeling data analysis, wild-life habitat and environmental policy related research. Faculty members from the school pursue mission-based teaching, research, and outreach that address real-world problems, and encourage students to adopt the same mission-based approach to their educational experience.

The Ph.D Scholars of the School (40 nos.) working on different research topic share their results through monthly in-house seminars, national and international conference and by journals publications. On an average annually about 35-40 research papers are published from the School, some are having high impact factors. USEM is providing opportunities for intern students from international and national level, who want to work for short period with the faculty members, are allowed to use Laboratory and Library facilities of the School. USEM has state of the art laboratories for carrying out teaching and research. USEM boasts of having an advanced instrumentation system lab and various other important laboratories are water quality analysis laboratory, remote sensing / GIS laboratory, environment microbial technology laboratory,

air and noise pollution monitoring laboratory, biosystematics, conservation biology and NRM lab. Post-Graduate students get the opportunity to use their facilities other than Ph. D scholars. There are initiatives taken up to collaborate with Foreign Universities - University of Tsukuba, Japan and University of Hawaii, USA and Western Illinois University, USA for research collaboration in the field of Natural Resource Management and Biodiversity Conservation.

The diversity of our disciplines provides an extraordinary range of research in environment in areas including urban green space management, environmental hydrology, forest industries, ecosystem function restoration and rehabilitation, wetlands, environmental pollution and plant systematic, wildlife habitat and their management.

Current projects include the monitoring and improvement of water quality, examining the commercial benefits of natural resources (forest and medicinal plants) as well as preserving biodiversity through bio-links and the indigenous approach. Two of the greatest issues of our time – adapting to climate change and feeding a rapidly growing global population – are placing tremendous pressures on our environments and society. Together these issues are increasing the economic competition for scarce land, water, energy and nutrients in the pursuit of maximum outputs while societal pressures demand the preservation of biodiversity, social structures and spaces.

Apart from the traditional classroom lecturer based teaching, power point presentations, transparencies, multimedia presentations, seminars / group discussions, GIS based exercises form part of the teaching method. Students are well attuned to contemporary trends and practices as guest lecturers with inputs from the corporate professionals and leading academic and training centres such as Lal Bahadur Shastri National Academy of Administration in Mussoorie is a regular feature in the School.

The School has developed a very good linkage with various other Govt. Departments, like, Ministry of Environment & Forest, Central Groundwater Boards, Delhi Pollution Control Committee, Delhi Development Authority, Central Pollution Control Board, Dept. of Space, Industries, NGO's and Consultancy

organizations working in similar fields. As per the official record in last three years about 80% students got their placement in different industries, research organizations, NGOs and Government Departments. About 15% go for higher studies like Ph.D programmes. USEM has got a dedicated placement cell which keeps contacts with different organizations. This is reflected from the fact that all the students have been placed in institutes like FICCI, Enviro India Ltd., Maruti Udyog Ltd. (MUL), Oil & Natural Gas Corporation (ONGC), Central Pollution Control Board (CPCB), NISTADS, National Capital Region Planning Board (NCRPB), Mother Dairy, Green City India, National Fertilizer Ltd. (NFL), Central for Environment Education (CEE), Tetrattech and Engineers India Ltd. (EIL). All students get opportunity to do their summer training (50 days) in the first year and 6 months dissertation in their 2nd year with various reputed industries, Government Departments, Industries, Institutes and NGOs for their hands on training. It is this close association with industry and government that ensures our courses provide training and skills valued by both graduates and employers. Our courses contain practical work experience that develop students' skills and provide an insight into career options.

Sixteen students of this School got UGC Junior Research Fellowship (JRF) and Lectureship through NET Exam. in the past three years 2010-2012. Some of the significant projects of national importance taken up by the School includes: Mapping of Unauthorized Colonies of Delhi, Department of Urban Development, Govt. of Delhi; Comparative Study of air pollution for Delhi city with pollutant source apportionment in collaboration with Centre for Science and Environment, New Delhi, Surface water modeling of river Yamuna and its interface with GIS in collaboration with Kaizer Spatial Solutions Pvt. Ltd., New Delhi and Prediction of carbon monoxide from traffic noise data in collaboration with Central Road Research Institute, Delhi and IIT, Delhi. Delhi Metro Rail Corporation has given a project implemented by the students of the department on Carbon Footprint. Every year Post-graduate students take up about 70 different projects guided by respective faculty members, those contribute important primary level information to the subject of environment and natural resource management, like one project on Urban forestry initiatives of Delhi analysed through students' project which was appreciated by the Delhi Government. The School has completed a project in collaboration with RRSSC,

Dehradun on "Land use Status of Delhi", and "Eco-Fragile Area using Remote Sensing & GIS". One of the Ph.D School of the School did excellent work on "Security Majors of Commonwealth Games 2010", which was an useful document for holding Commonwealth Games with full prove security.

USEM is currently establishing a Modem Green House with mist chamber and growth chamber facilities for research. The School is also taking the lead for University (Dwarka) Campus landscaping and plantation activities. USEM has organised "*Plantation Week*", *Green Campus*, *Plastic Free campus* and *Tobacco Free campus* drive and several other environmental awareness programme by active participation of the students, faculty and staff. In the year 2012 one International Conference and one National Conference was organized by the school and which was attracted large number of academic person in the university from outside.

During 2013-2018 the School has its proposed plan is to develop one more Post-Graduate courses (besides the existing 03 M.Sc. courses), on M.Tech on Geometrics and Environment with 25 students intake. As per the academic action plan of the School (2013-2018) School intends the establishment few *Centers of excellence* like- 1. Geospatial Technology and Applications; 2. Urban Planning and Green Space Management; 3.Natural Resources Conservation and Livelihood study; 4.Climate Change, Energy and Environment and 5. Centre for Biosystematics.

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**7. UNIVERSITY SCHOOL OF HUMANITIES & SOCIAL
SCIENCES [USH&SS]**

7. UNIVERSITY SCHOOL OF HUMANITIES & SOCIAL SCIENCES
(USH&SS)

An inter-disciplinary school with a difference, USHSS enjoys a unique status in the overall academic scheme of the University. Having a distinct entity as a University School of Study, it straddles across other University schools and through its academic inputs it empowers the learners to systematically understand and reflect on social, political, cultural, economic structures, and processes and hence, endeavors to expand their professional vision. The School is committed to providing an interdisciplinary and integrative pedagogical interface to learners so as to nurture them into complete and competent human beings.

The vision statement of the USHSS is to foster integrative inquiry, research and creative professional activities, by uniting faculty and students in acquiring and applying knowledge in classroom, community and professional setting. To give focus quality pursuit it has identified its mission as USHSS offers intellectually stimulating courses/programmes that reflect the inter-related nature of the individual disciplines as well as the world around us. To this effect, it offers a plethora of courses to professional students that enhance their understanding of the society and culture in which they live, and enable them to obtain skills that can lead to successful and enriching careers. The students are exposed to contexts of humanities and social sciences with a view to equip them with holistic values implicit in technological and professional options; to appreciate their social surroundings; and to communicate effectively.

USHSS offers Post Graduates programme in M.A. English and Communication Studies. It is a two years modular programme with the provision to exit after one year with a PG Diploma in Communication Studies. It also offers need-based courses in communication skills and social sciences at the graduate and post-graduate levels to other Schools of the University. It also offers a doctoral programme in English language, literature and communication studies.

The Post Graduation in English and Communication Studies provides a unique facility in university education. The aim is to create a culture of student excellence in language/communication skill competence and literary sensibility geared towards an all around development of personality through the cultivation and application of various facets of English and Communication Studies. The curriculum is designed to assist students from all streams in developing and refining their individual skills (with special reference to/ focus on professional/English Communication) commensurate with emerging professional needs. The Programme is especially relevant for students seeking careers in teaching and research.

The Post-graduate programme in English and Communication Studies adds a new dimension to University education. The aim is to create a culture of student excellence in language / communication skill competence and literary sensibility geared towards an all round development of personality through the cultivation and application of various facets of English and c\Communication Studies. Then curriculum is designed to assist students from all streams in developing and refining their individual and professional skills (with special focus on professional/English communication) commensurate with emerging professional needs. The Programme is specially relevant for students seeking careers in teaching and research.

The programme is deliberately inter-disciplinary in nature and offers a distinctive blend of academic study and industry-relevant practices delivered by trained teachers and experienced industry professionals. This would enable the students to determine pathways to a wide range of communication and language related careers and opportunities and prepare a foundation for advanced research.

This course represents the latest thinking and research in the international field of scholarship. Apart from studying core subjects, students would also study optional subjects from a wide range of subjects according to their own interests and career trajectories.

MA (English and Communication Studies) has been designed with an aim to enable the students to develop a comprehensive overview of the language and communication skills in today's society, economy and culture, with an emphasis on India. Provide them with the fundamental written communication skills required by successful journalists and other media professionals. Help them achieve an understanding of new communication technologies and their impact on the changing global scenario. Train them to think across boundaries of nationality and technology, a skill we see as increasingly important for the next generation of communication professionals and language researchers. Help them appreciate the value of an international and inter-disciplinary approach to the study of language, literature and communication. Offer them an opportunity to develop research skills and engage in applied analysis of different aspects of language, literature and communication skills.

USHSS has a dedicated and research-oriented faculty. With an inter-disciplinary sensibility, individual integrity and a sense of social responsibility, the faculty provided collaborative, creative and equitable means to boost learners' application-oriented competence.

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**8. UNIVERSITY SCHOOL OF INFORMATION AND
COMMUNICATION TECHNOLOGY [USICT]**

8. UNIVERSITY SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY [USICT]

University School of Information and Communication Technology (USICT) formerly known as University School of Information Technology (USIT) was established in 1999 with a vision to become a world class center for education and research in the area of Information Technology. Since its inception, USICT is disseminating knowledge with a mission of development and delivery of industry relevant graduate and post graduate students with vast knowledge in their respective fields. Various graduate/post graduate programmes are being offered in the department namely, B.Tech/M.Tech-Information Technology, B.Tech/M.Tech-Computer Science and Engineering, and B.Tech/M.Tech-Electronic and Communication Engineering. Apart from that USICT also offers seven Post Graduate Programmes to absorb those students who want to peruse and further enhance their knowledge in various fields namely M.Tech-Information Technology, M.Tech-Digital & wireless Communication, MCA-Software Engineering, and MCA-Software System. USICT also provides facility for pursuing Doctoral Research to enthusiastic students who can hone their skills and acquire expertise in the area of their research interest.

A rigorous admission process has ensured that the students selected to pursue their education in USICT are amongst the best as per the international standards. USICT is widely popular among other countries and vast number of students representing from countries such as Nepal, Bhutan, Iraq and Laos take admission to pursue higher education. USICT aims at developing individuals into distinguished researchers, consultants, and teachers in the field of Information Technology. The School has highly qualified & experienced faculty who excel in their respective areas. Presently, USICT is actively involved in carrying out research in the areas of Software Engineering, Wireless and Mobile communication, Graphics and Multimedia, Advanced Computer networks, Data Warehousing and Data Mining, VLSI Design, Neural Networks and Fuzzy Logic and Adhoc Networks. USICT has set high standards of research benchmarks as is evident from faculty publications in journals of repute from leading publishers like Springer Verlag., Elsevier, IEE, IEICI, IOP, Wiley, Wiley Interscience, IEEE etc.

USICT has three student bodies SAInt, Students Branch of IEEE and Students branch of IETE. 'InfoXpress' is the annual fest of the School. It is a three-day extravaganza that is a fusion of technical erudition and cultural events that brings together participants from many other universities and technical institutions of several parts of India. The Alumni Association of the University School of Information Technology has been formally registered with the Registrar of Societies, Govt. of Delhi in 2007.

The Placement Cell at USICT polishes the students of last two semesters of each course by motivates them to deliver on their promises and satisfy their employer. This rigorous process is followed by an invitation to various national and international companies to recruit the students of USICT. The Cell understands the significance of using right aptitude and knowledge skill sets for the right tasks and hence facilitates a streamlined process of registration, Power Point Presentations (PPTs), interviews and selection. In coordination with students this Cell identifies potential recruiters, interacts with the organization, and coordinates the visit of corporate executives to the campus. Majority of B.Tech/M.Tech students are placed through campus interviews during their third and final semesters. Students have been regularly offered jobs by leading organizations such as Adobe, HCL, Infosys, Sapient, L&T, TCS, Engineering India Limited, Deloitte. E-valueserve, Newgen, Perot Systems, Impetus, Persistent, beachtel, Syntel, Peoplesoft, GrapeCity, Infogain, Hexaware, Accenture, Induslogic, Alcatel, DCM Technology, IBM, HUGHES, MBT, ICAI etc.

The School is actively engaged in conducting several sponsored Faculty Development Programmes/Summer School/Winter School and Short Term Training Programmes. It is actively providing extension services to the society by organizing socially relevant training programmes. For instance, the School has successfully organized the AICTE sponsored FDP Programme on 'Wireless Communication and Mobile Computing' for 50 participants from technical institutions and research scholars between 22 December 2008 and 02 January 2009 wherein extensive theoretical sessions and practical sessions on Simulators and Hardware Kits were conducted by in-house faculty members aside involving external speakers from academic and industry. A 6-week's intensive course on

'Cyber Crime Investigation and Computer forensics' was also conducted for 100 Officers of Delhi Police. Recently three days workshop has been conducted on "ARM microprocessors" in which specially trained personals from the company were invited as speakers and hand-on-practice session were conducted.

New vast campus at Dwarka is embraced with high tech state-of-the-art laboratories, all kinds of digital libraries and on the spot guidance by experienced faculty which provides an excellent, truly enriching and idyllic environment for academics and learning. The School shall follow the path of continual growth and quality maintenance in the range of programs offered by updating and modernizing facilities, curricula and programs and retraining faculty members to deliver quality programs with sole aim to prepare students so that they can become not only the professional but also good human being.

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9. UNIVERSITY SCHOOL OF LAW & LEGAL STUDIES
[USL&LS]

9. UNIVERSITY SCHOOL OF LAW AND LEGAL STUDIES (USLLS)

The University School of Law and Legal Studies has since its inception in 2001 been conducting Five-Year Integrated Modular Programme of LL.B.(H) along with Doctoral and Post-Doctoral Research. It also offers LL.M. with specialization in Human Rights Law, Alternative Dispute Resolution (ADR), Intellectual Property Rights, International Trade Law and Corporate Laws since 2006-07. The School endeavours to maintain updated course curricula thereby incorporating latest issues of academic interest in various fields of study. Since 2007 besides introducing three new programmes of study, the School has revised syllabi for as many as twenty courses. The syllabi of academic programmes include Constitutional Law, WTO Studies, Public and Private International Law, Humanitarian and Refugee Law, Environment Laws and Technology Law. Certain new academic programmes have been introduced

- (i) B.B.A.LL.B.(H)
- (ii) LL.M. in Cyber Law and Cyber Crime - Weekend
- (iii) LL.M. in Intellectual and Industrial Property Law - Weekend Programmes

The School has dual library benefits. It maintains an exclusive library as per BCI norms and the students are also provided access to the University Information Resource Centre (UIRC). A computer lab with fifty three workstations is maintained for the students and personal computer for the teachers. With the objective of enhancing the learning resources during the past five years several steps have been taken like the procurement of books, subscription of online journals, setting up of ICT enabled classroom, setting up of internet connected computer lab.

The School has Regular and Weekend Post Graduate Courses. It plans to enhance its research profile by encouraging, supporting and enabling the teachers to commit to research activities. The future plans of the School include introduction of Post Graduate Diploma level course on court craft and court management, certificate level courses on topical issues of societal concern like

RTI. The School also intends to establish a full fledged research and publication wing in order to cater to the new areas like social justice, judicial reforms etc. It also plans to retain and revive the 'Indraprastha Technology Law Journal'.

Important Events/Training/Seminars/Debates/Moots and other Programmes are organized regularly by the USLLS. These are the ways in which the School integrates social actors, academicians and practitioners of law. The subjects are mostly contemporary and relevant to societal issues.

Awards/Prizes / Achievements/ Scholarship/ Projects received by students of the Schol have won accolades in International and National Moot Court Competitions, brought laurels to the School by getting highest approval in Debating circuit and are acclaimed for their writing skills in essay and paper writing competition.

Apart from classroom teachings to make the course worthwhile and practically useful, the following tools are used: Practical Training through visits to courts, prisons and police stations and internship with leading lawyers and judges; Regular activities undertaken by Mooting and Research Society; Debates: An active debating society sends participants to various local or national events and organizes in-house competitions; Legal Workshops, Lok Adalats, Legal Literacy Campaigns and Legal Aid Camps; Celebration of Law Day, Human Rights Day & Consumer Day; and Educational Tours.

Efforts are made to provide summer internships and final placements to almost all the interested students. Placement Committee includes both faculty members and students from the senior most batch. Placement Brochure is regularly published. The placements have been multifaceted and multidimensional:

(i) **National:** Central Bureau of Investigation (CBI); The Directorate of Prosecution; Delhi Legal Services Authority; National Commission for Women; National Human Rights Commission; Indian Society of International Law; Indian Law Institute. (ii) Some alumni have been working as Researcher with High Court and Supreme Court Judges. (iii) Still others have joined **International**

Organizations such as UNIFEM, UNICEF, UNDP, ICRC. (iv) **Leading Corporate Law Firms** such as: Clifford Chance; Trilegal; Singhanian and Singhanian; Luthra and Luthra; Anand and Anand; Kochhar and Company; Nachippan and Company; Khaitan and Company; Fox and Mandal; Dua Associates; Amitabha Sen & Co. (v) **Non-governmental organizations** and other social associations: Multiple Action Research Group (MARG); Centre for Civil Society; Butterfly ; Gandhi Peace Centre.

The School has adequate number of regular faculties with vast teaching, research and professional experience. The regular faculties along with visiting ones engage themselves off and on in extensive activities being undertaken by the School such as legal aid to the masses, varied seminars, conferences and workshops on clients counseling, environmental law, sexual harassment of women at workplace, Human Rights education and Lok Adalats. Teachers are deputed to attend orientation, refresher and skill development courses. Further they also extensively participate in academic, administrative activities like admissions, examinations, co-curricular activities of students, organization of seminars and workshop, etc. Each teacher has an identified area/s of research and the School encourages them to involve both in research and teaching. One of the School's faculty was awarded a Diploma on having completed a research programme on "Federalism, Decentralization and Diversity in Democratic Multicultural Societies" at the Institute of Federalism, Fribourg, Switzerland.

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10. UNIVERSITY SCHOOL OF MANAGEMENT STUDIES
[USMS]

10. UNIVERSITY SCHOOL OF MANAGEMENT STUDIES (USMS)

University School of Management Studies (USMS) is an On-Campus School of Guru Gobind Singh Indraprastha University. The School, within a short span of time, has developed itself as a unique and progressive School with its distinct curriculum, innovative teaching methodology and research focus. The intellectually stimulating environment at the School provides a nurturing ground for developing competent management professionals in tune with the changing business environment and emerging managerial needs. The School encourages individual growth, team building, extra-curricular activities, industry interaction and a multi-disciplinary study culture. The School was rated A++ in Best B-Schools Survey, conducted by Business India.

Our Mission is to develop managers with the capability to understand and analyze the dynamic business environment for effective decision-making while maintaining higher domains of professionalism.

The University School of Management Studies offers the following specialized programmes - Two Year M.B.A. (Full-Time), Two Year M.B.A.(Financial Markets) (Full Time), Five Year B.Tech - M.B.A - Dual Degree (Full Time), Two Year M.B.A. (General) (Weekend), Two-Year M.B.A. (Banking and Insurance) (Weekend), Two-Year M.B.A. (Real Estate) (Weekend), Two-Year M.B.A (Consultancy Management) (Weekend), Certificate Course in Retail (Weekend), Certificate Course in Behaviour Testing and Training (Basic-Two Months) (Advanced - Four Months) (Weekend), Doctoral Programme

The School follows a pedagogy designed to equip the students with skills as per latest requirement of industry. It includes a well-planned blend of industry exposure, conceptual learning, practical assignments and innovative projects based on empirical methods. Emphasis is on interactive learning and employing sophisticated electronic media/computer aided tools and technologies. Business games and case studies are used to develop analytical and managerial skills in the students. Participation in seminars, group discussions, role-plays and summer internships constitute an integral part of the pedagogy.

The school has entered into the following partnerships - MOU with **National Stock Exchange** (NSE) for M.B.A.(Financial Markets) & B.B.A.(Financial Markets), MOU with **Sigmund Freud University**, Vienna, Austria , for Exchange of Faculty / Student, Conduction of Joint Programs / Seminars / Conferences and Academic Meetings, etc., MOU with **Modul University** Vienna, Austria, for Faculty Exchange Programme, Collaboration on Organizing Workshops, Seminars, Conferences, Conclaves jointly at GGS IP University in India or at Modul University in Austria. MOU with **Slovak University of Agriculture** Nitra, Republic of Slovak, for Academic Cooperation and Faculty / Student Exchange Program. MOU with **Szent István University** Hungary, for Exchange of Faculty / Student, Conduction of Joint Programs / Seminars / Conferences and Academic Meetings, etc. MOU with **Dublin City University (DCU)**, Dublin, Ireland for Summer Internships, Explore the possibility of cooperating on joint programs, Faculty exchange, Research programs etc. **Solbridge International School of business**, Woosong University, Republic of Korea for Academic Cooperation. **Chapman Graduate School of Business**, Florida International University, USA for MBA , **NAREDCO** and **HSMI** for Certificate Course in Real Estate Management , **CISCO Inc.** to impart CISCO Certification to faculty and students, **Consultancy Development Centre**, Ministry of Science and Technology, Government of India, New Delhi for M.B.A (Consultancy Management) Programme, MoU with **NIS Sparta Ltd.** for Certificate Course in Retail, MoU with **CREDAI** (Confederation of Real Estate Developers Association of India) for Real Estate programme, DST under Technopreneur Promotion Programme for Developing Case Studies of Successful Innovators,

Students from Slovak University of Agriculture (SUA), Nitra, Slovakia, visited USMS under the aegis of student / Faculty exchange programme. They were offered a course on Corporate Social Responsibility, Human Values and Ethics, conducted on a fast track mode. Apart from the classroom teaching , the programme included industrial visits to Maruti Suzuki Ltd. to align theory with the practical insight. The credits earned by the students will be transferred in their degree at SUA , Nitra.

USMS has always been at the forefront in organizing forums, discussions and workshops covering issues of contemporary management relevance. Management Development Programmes and Faculty Development Programmes are also organized by the School on a regular basis.

The School has a focus on promoting inter-disciplinary research. Major thrust areas of research are Global Business Management, HR Issues in Organization, Healthcare Management, IT-Business Interface, Banking & Insurance, Brand & Retail Management and Entrepreneurship & Innovation. Fifty four Research Scholars are enrolled for the Ph.D. Programme and twenty six students have completed their per – Ph.D. course work. Twenty five students have been awarded Ph.D. degree till date. In order to promote and create a conducive environment for quality empirical research, the school ensures the availability of high-end statistical packages and tools like SPSS, Systat, SAP- QUT, Primavera, Prowess etc. for research scholars and faculty. The other highlights include access to online journal through portal like Emerald, Elsevier, Science Direct etc for extensive research. Apart from this University Resource Information Centre provides access to UGC, Infonet for all.

University School of Management Studies has state of the art infrastructure for fulfilling the needs of the students to keep at par with the best institutions in India. The advanced computer lab providing 1:1 computer to student ratio is well equipped with latest softwares that complement the varying needs of the students as well as the research requirements of the faculty. The softwares include MS Backoffice Suite (SQL Server, Exchange Server, etc.), Oracle, SPSS, ERP, Tally, MS Project Server, Erwin, RedHat Linux, Speech Recognition, CMIE PROWESS Corporate Database, PRIMAVERA, PERT MASTER and SAP. The school class rooms and air conditioned seminar hall are equipped with state of the art infrastructure including LCD Projectors, K-Yans, Xerox Machines, Overhead Projectors, Audio Visual Systems, Computers and Wireless Hotspots. The school also caters to the all around developments of the students by providing sports and other recreation facilities.

Corporate Relations Centre at USMS managed by a team of faculty members and students provides the students with a full-fledged corporate interface, enabling them to have a better understanding of the corporate culture and its current trends. All placements related activities are coordinated by the Centre.

MBA has been the flagship programme of University School of Management Studies, since its launch in 1999. The success in today's market place requires keen analytical skills, broad cultural sensitivity and clear strategic vision. Effective leaders must meet the ongoing challenges of effective teamwork, mutually respectful communication and creative yet realistic decision analysis. This programme equips the students to handle the day-to-day business situations and perform outstandingly in the corporate world by imparting the requisite skill sets and adding value to the student. With a vision to create a competitive edge in dynamic corporate environment, the MBA programme offers specialization in the area of Marketing, Human Resource Management, Finance, Information Technology and Global Business Management.

University School of Management Studies, Guru Gobind Singh Indraprastha University in collaboration with National Stock Exchange(NSE) has introduced MBA (Financial Markets) Programme on Campus with an intake of 60 students from 2011-12 batch.

By introducing MBA (Financial Markets) programme GGSIPU has become the first institution in India to launch such programme. There is lot of development that has taken place in Indian Financial Markets and this sector has huge capacity to employ skilled professionals. This programme has active participation of NSE team in terms of practical skill development in financial markets, certification by NSE, providing skilled faculty approved by NSE, if required, conducting practical sessions by use of ICT. MBA (Financial Markets) programme imparts employable skills in financial markets to the students. For MBA in Financial Markets, NSE provides input for 15 papers / NCFM modules (NSE's Certification in Financial Markets) for 4 semesters with total input of 113 credits. The course contents of these modules have already been standardized and regulatory bodies such as SEBI have also accepted the course contents and the examination schemes of these modules. For the papers offered by NSE, NSE will provide books to the students and also conduct certification examination.

At USMS students are encouraged to strive for individual growth, team building, global orientation and a multi-disciplinary study culture. The School shall continue to be on its journey towards academic excellence. Keeping in view the changing requirements of Industry and society in general, the School would introduce New Programmes, namely, MBA (Health Care Management), MBA (International Business) and MBA Human Resources and Organizational Development, etc. alongwith a Centre of Excellence in Organizational Development.

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**11. UNIVERSITY SCHOOL OF MASS COMMUNICATION
[USMC]**

11. UNIVERSITY SCHOOL OF MASS COMMUNICATION

Media industry in India is growing at a fast pace .Recognizing the need for trained manpower in this sector ,the University School of Mass Communication, started as a Centre in 2006, was upgraded as a full fledged University School of Study in the year 2010. The School offers 02 Post-graduate programmes, namely, Master in Mass Communication (MMC) and, Master of Journalism and Mass Communication (Weekend). Curriculum review was undertaken in the year 2010 for MMC programme. Since the inception of the School in the year 2006, success rate has been 100% while dropout rate is 2.5%.

Faculty members of the School regularly participate in national and international seminars and conferences. Near three dozen research papers have been published in national and international journals and there are three contributions in the form of '**Chapters in Books**' by faculty members. They have also been conducting workshops and several other kinds of events. UGC sanctioned a major project on the topic 'Advertising and Youth – A Comparative Analysis of Impact on Youth of Metro and Remote Areas to one of the faculty members of the School (2009-11). Likewise, one of the senior faculty members of the School was invited by NCERT for the preparation of the book titled Media Studies. Ministry of Information & Broadcasting gave "Bharatendu Harishchandra Award" to another faculty of the School for his book " Mazdoor Aur Janasanchar" in 2010. A faculty member of the School also participated in the orientation programme Web 2.0 organized by IGNOU in July 2010.

Recently two faculty members were designated as coordinators of an ICSSR-funded Course-Teaching Methodology for SC students. One USMC faculty member has been awarded two major projects-one each sponsored by ICSSR (Media & Youth) and UGC (New Media Usages), and another faculty member has been awarded a minor project-sponsored by UGC.

There are nearly 2000 books, 30 print editions of journals, 3 exclusive data bases, 30 journals of Sage, EBESCO Mass Communication Complete having 250 journals and JSTOR E-resource related to Journalism and Mass Communication, available for students and teachers. The upcoming Print (including Screen Printing), Editing Facility (with 8 bays), New Media Labs and TV-Radio and Still Photography Studios, spread over 5200 square ft. are designed to be equipped with the latest software and hardware. This is in addition to the existing facilities, i.e., elaborate system of light, three video cameras and three video editing suites. The University has further sanctioned adequate money for buying of more learning resources and equipment.

One-to-one student – teacher interaction is a common feature of the School, apart from class room teaching, in which students get teachers' support in their personal as well as study related problems. The School makes all possible efforts to get the students placed. For the purpose the school has also set up a Placement Cell. The School actively remains involved in the print publication and video coverage of University events like Convocation, Annual Sports, Anugoonj (cultural festival), etc.

School prides in its achievements since its inception. Syllabus revision along UNESCO recommendations resulted in media coverage in various newspapers (Hindustan Times, Hindustan, Dainik Jagran, Amar Ujala) and on websites (www.ndtv.com,.livehindustan.com, etc.) for nearly two dozen times. In record 72 hours, the School produced a professional Promotional Video for the University, in 2011 and in the year 2012 the school produced a full length (20-minute) high quality documentary "Transforming Young Minds" on the achievements and aspirations of the University and its stakeholders. In addition, the School undertook the audio – video documentation of the centenary Celebrations of Faiz Ahmed Faiz (a great Urdu Poet).

In a short span of less than three years, the School bonded with more than 30 industry experts upto CEO level in order to raise the bar of industry interface. This resulted in near total placement of the 2009- 11 and 2010-12 batches. In 2011, a full-fledged placement cell was set up. For the first time, a student centric Placement Brochure was brought out that helped in getting tie-up offer from Reliance Investor Relations and appreciation from Intellectual Property & Corporate Affairs Cell of Microsoft India. In 2010-11, orientation programmes were conducted for both I & II year students. Eminent Industry experts and academicians were invited to give a helicopter view of the main and allied subjects. Students of MMC (2009-11) batch produced a documentary on their Educational Trip (March 2011) to Jim Corbett Nainital.i. MMC (2007-09 & 2008-11) TV Production students produced three films "Aapod" (Bengali) , " Insaf ki Hatya", and Pratibimb" , two documentaries " Bada Pardel" , & " Garbage to Garden"; and MMC Journalism Students brought about Campus Buzz Media Post & Green Times. Two students of MMC (2008-10) won first & second prizes in the mobile photography contest in MISE-EN- SCENE 2010, the International Film Festival organised by Indraprastha College for Women, Delhi University.

As part of perspective planning for the School, USMC plans to start Doctoral Programme in 2013, launch its own journal of Mass Communication in 2014, offer Masters in Media Economics programme in 2014 and a range of courses in Animation and Creative Art in 2015. The thrust areas of the School will include Development Communication, Film Studies, Media Economics, New Media, Brand Communication and Citizen Journalism.

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F. ANNEXURES

**LIST OF UNDERGRADUATE, POSTGRADUATE, RESEARCH DEGREE
AND CERTIFICATE PROGRAMMES**

I. Undergraduate Programmes

- (i) Bachelor of Architecture
- (ii) B.Tech. (Biotechnology)
- (iii) B.Tech. (Chemical Engineering)
- (iv) B.Tech. (Information Technology)
- (v) B.Tech. (Computer Science & Engineering)
- (vi) B.Tech. (Electronics & Communication Engineering)
- (vii) B.A., LL.B.
- (viii) BBA, LL.B.

II. Postgraduate Programmes

- (i) M.Tech. (Engineering Physics)
- (ii) M.Tech. (Nano Science and Technology)
- (iii) M.Tech. (Biotechnology)
- (iv) M.Tech – Food Processing Technology
- (v) M.Tech. (Chemical Engineering)
- (vi) M.Tech. (Information Technology)
- (vii) M.Tech. (Computer Science and Engineering)
- (viii) M.Tech. (Electronics & Communication Engineering) - Weekend
- (ix) M.Tech. (Digital & Wireless Communication)
- (x) M.Tech. (Information Technology) – Weekend
- (xi) MCA (Software Engineering)
- (xii) M.Ed.
- (xiii) M.Sc. (Environment Management)
- (xiv) M.Sc. (Biodiversity & Conservation)
- (xv) M.Sc – Natural Resource Management
- (xvi) M.A. (English & Communication Studies)
- (xvii) LL.M.
- (xviii) MBA
- (xix) MBA – Financial Markets
- (xx) MBA – Banking & Insurance - Weekend
- (xxi) MBA – Real Estate - Weekend

- (xxii) MBA – Weekend
- (xxiii) MBA – Disaster Management
- (xxiv) B.Tech – MBA (Dual Degree)
- (xxv) Master of Mass Communication
- (xxvi) Master in Journalism (Mass Communication) – Weekend
- (xxvii) PG Diploma in Radiological Physics

III. Research Degree (Ph.D) Programmes :

- (i) Information Technology
- (ii) Computer Science and Engineering
- (iii) Software Engineering
- (iv) Electronics and Communication Engineering
- (v) Chemical Engineering
- (vi) Instrumentation and Control
- (vii) Mechanical and Automation Engineering
- (viii) RF and Microwave Engineering
- (ix) Information Security
- (x) Digital and Wireless Communication
- (xi) Signal Processing
- (xii) Biotechnology
- (xiii) Management
- (xiv) Banking and Financial Institutions
- (xv) Insurance
- (xvi) Management of Real Estate
- (xvii) Disaster Management
- (xviii) Environment Management
- (xix) Chemistry
- (xx) Physics
- (xxi) Life Sciences
- (xxii) Law
- (xxiii) Education
- (xxiv) English Literature
- (xxv) Communication Skills
- (xxvi) Journalism and Mass Media (including Electronic Media)
- (xxvii) Mathematics
- (xxviii) VLSI Design
- (xxix) Human Genetics
- (xxx) Medical Statistics

- (xxxi) Microbiology
- (xxxii) Electrical Engineering
- (xxxiii) Forensic Science
- (xxxiv) Human Genetics
- (xxxv) Architecture and Planning
- (xxxvi) Medical Sciences

IV. Certificate Courses

- (i) Basic Course in Behavior Testing – Weekend
- (ii) Advanced Course in Behavior Testing – Weekend

Annexure-II

RESEARCH PROJECT

1. Rs. 89,50,000 project "Molecular approach to improve NUE in rice to minimize the impact of fertilizer N on climate change" under the National Initiative for Climate Resilient Agriculture (ICAR) – Dr. N. Raghuram.
2. Dr. Arvinder Kaur and Mrs. Kamaldeep Kaur has been awarded a major Research project on Design and development of Techniques for measurement and prediction of software quality by UGC. The amount sanctioned is- Rupees 11,86,800/- Dr. Arvinder Kaur.
3. A research project titled "Effect of modulating RNA polymerase II composition on genome-wide regulation of transcription in Schizosaccharomyces pombe" has been sanctioned by the Department of Science and Technology, Government of India. The project is for duration of three years (2012-2015), and the fund sanctioned for the project is Rs. 26,82,000 – Dr. Nimisha Sharma.
4. A project entitled "Flow of multiphase fluids in Coiled Flow Inverted" under the Fast Track Scheme for Young Scientists in Engineering Science Section at DST under Ministry of Science and Technology, India has been sanctioned for the duration of 3 years with an financial assistance of Rs.11,93,000/-. The project aims at investigation of hydrodynamics of multiphase flow using Computational Fluid Dynamics in an innovative device named Coiled Flow Inverter. The project also aims at the intensification of CFI as a heat exchanger – Dr. Monisha M. Mandal.
5. A CSIR funded project entitled "Enhancement in productivity of apple juice using ultrafiltration" (01/(2467)/11/EMR-II) is being carried out in University School of Chemical Technology for the duration of two years effective from 01.05.11 – Dr. Biswajit Sarkar.

6. Dr. Rajesh Kumar received BRNS Project entitled "Study of Radon / Thoron exhalation and natural radioactivity in coal and fly-ash samples from thermal power plants" amounting to Rs. 12,82,750/- for 2011-14.
7. Dr. Shruti Aggarwal received UGC Major Research Project entitled "Growth and characterization of doped lif crystals grown by edge defined film fed growth crystal growing technique for its application in thermoluminescence dosimetry" amounting to Rs.12.36 lakhs for 2012-15.
8. Dr. Satyabrata Mohapatra received UGC Major Research Project entitled "Synthesis and characterization of bifunctional noble metal-ZnO plasmonic nanocomposites for SERS-based sensing Applications" amounting to Rs.12.86 for 2012-15.
9. Dr. S. Neeleshwar received BRNS amounting to Rs.25 lakhs for 2011-14.
10. Prof. V. Kumar received UGC Major Research Project entitled "Synthesis & Characterization of SHI / Neutron Induced Modification in Polymeric Materials and their Monte-Carlo Simulation" amounting to Rs.14.29 for 2012-15.
11. Dr. RASHMI Bhardwaj received UGC Major Research Project entitled "Chaos in non linear planar oscillation of a satellite under the influence of aerodynamic torque" amounting to Rs.11.48 for 2012-15.
12. Prof. V. Kumar (Co-ordinator) received UGC-Innovative Program on PG diploma in Radiological Physics amounting to Rs.51 lakhs for 2012-17.
13. Prof. V. Kumar (Co-ordinator) received FIST-DST Program (2011)-Level-1 amounting to Rs.1.02 Crores for 2012-15.

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Prof. R.K. Gupta

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4. Kavita Tiwari, Rajinder K. Gupta, "Rare Actinomycetes: Potential Storehouse for Novel Antibiotics". Critical Reviews in Biotechnology, 32 (2), 108-132, 2012.
5. Sonia Mann, Deepika Gupta, Velol Gupta and Rajinder K. Gupta. Evaluation of Nutritional, Phytochemical and Antioxidant potential of *Trapa bispinosa* Roxb. Fruits. International journal of Pharmacy and Pharmaceutical Sciences, 4:1, 432-436, 2012.
6. Pratibha Nand, Sushma Drabu and Rajinder K. Gupta. In vitro antibacterial and antioxidant potential of medicinal plants used in the treatment of acne. International journal of Pharmacy and Pharmaceutical Sciences . 4:1, 185-190, 2012.
7. Renu Singh, Rachna verma, G. Sumana, Avanish Kumar Srivastava, Seema Sood, Rajinder.K. Gupta and B. D. Malhotra, Nanostructured platform for the detection of *Neisseria gonorrhoeae* using electrochemical impedance spectroscopy and differential pulse voltammetry, Bioelectrochemistry, 86, 30-37, 2012 .

8. Renu Singh, Zimple Matharu, Avanish Kumar Srivastava, Seema Sood, Rajinder Kumar Gupta and Banshi Dhar Malhotra Polyaniline/Fe₃O₄ platform based Label-free Impedimetric Genosensor for Sexually Transmitted Disease detection, *Microchimica Acta*, 177, 201-210, 2012.
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10. Sonia Mann, Deepika Gupta, and Rajinder K. Gupta, Phytochemical screening and evaluation of nutritional and antioxidant potential of Indian Buckwheat grains, *Indian J. of Traditional Knowledge*, 11, 40-44, 2012.
11. Gouri Satpathy, Yogesh Kumar Tyagi & Rajinder Kumar Gupta, Validation of LC-MS/MS electrospray ionization method for estimation of oxytocin in fruits and vegetables; surveillance of residues of oxytocin in watermelon, bottle-gourd, pumpkin, cucumber and brinjal", *Electronic Journal of Environment, Agricultural & Food Chemistry*, 127, 1300-1308, 2011.
12. Gouri Satpathy, Yogesh Kumar Tyagi & Rajinder Kumar Gupta, "Removal of organophosphorus (OP) pesticide residues from vegetables using various washing solutions and boiling", *Journal of Agricultural Science*, 4(2), 69-78, 2011.
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Ms. JYOTSNA

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Mr. PUSHPENDER SINGH BHARTI

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Mr. SANJAY MALIK

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Dr. ARCHANA KHURANA

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Dr. RAKESH ANGIRA

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Dr. S.R.N. REDDY

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Dr. VANDANA NIRANJAN

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Mr. AKASH TAYAL

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Dr. REETA SINGH

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2. Singh, R. and Singh, J. K. (2011). The Importance of Odisha Cycas in India Biodiversity, Vol. 12(1), pp 21-27.

Dr. VARUN JOSHI

3. Rawat, M. S., Joshi, V., Rawat, B. S. and Kumar, K. (2011). Landslide movement monitoring using GPS technology: A case study of Bakthang landslide, Gangtok, East Sikkim, India. Journal of Development and Agricultural Economics. Vol. 3(5), pp.194-200.
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Mr. SACHIN BHARTI

5. "Role of Double Meaning Songs and Dialogues in Hindi Cinema". International Journal of Communication Development (International Peer Reviews Journal ISSN - 2231 - 2498) Vol I, Issue II, July - Sept. 2011 Delhi.

Mr. AMIT KUMAR DEVAL

6. Book V/S Bytes: An Analysis of GGSIP University User's Behaviour Towards Print and Digital Information Resources "International Journal of Library and Information Management" (ISSN: 0975-878X) Volume 2 No.2, July and December, 2011, p. 9-16.
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Prof. S. B. JAIN

11. Deshpande R., Kumar B. & Jain S.B., "Highly narrow rejection bandwidth FIR notch filters for communication", IET Communication, Vol.4, Issue 18, pp. 2208-2216, December 2010. DOI : 10.1049.
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Prof. SAROJ SHARMA

13. Globalization of Higher Education: Challenges and Opportunities published in University News, Vol. 49, No. 34, August 22-28, 2011.

DR. CHITRA SHARMA

14. Bharti P. S., Maheshwari S & Sharma C. "Experimental investigation of Inconel 718 during die-sinking electric discharge machining", International Journal of Engineering Science & Technology, Vol 2(11), 6464-3473, 2010. (ISSN: 0975-5462)

Dr. ARCHANA KHURANA

15. Khurana A., Singh S & Arora S. R., S.R. Arora, An alternative approach to solve quadratic programming problem with homogeneous constraints, Global Journal of Pure and Applied Mathematics, India, 7(1), 101-111, 2011.

Dr. DURGESH TRIPATHI

16. "New Media: Surfing Habits of Internet Users"- Pragyaa: Journal of Mass Communication" vol. 9 issue 1 June, 2011 pg (45-49).
17. "Snow Ball Sampling Techniques"-Bhartiya Samajik Vigyaan Smiksha (referred journal) ISSN No. 2231-3486 Issue No 3(pg 52-58)Varanasi.
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Prof. ANU SINGH LATHER

- 22.Lather A.S., Aggarwal V. & Samantray L.M. (2012) "A Comparative Study of Personality Dimensions between Officers and Subordinates of Security Force Personnel and their Effects on their Occupational Stress" Drishtikon: A Management Journal, Vol. 3, Issue 2.

PROF. NEENA SINHA

- 23.Sinha N., Abrahm B.K. and Choudhary T., Effectiveness of Contract Farming BVIMR MANAGEMENT EDGE_Jan- June 2012.

Prof. RAJINDER K. GUPTA

- 24.Pratibha Nand, Sushma Drabu and Rajinder K. Gupta. Phytochemical and Antimicrobial Screening of Medicinal Plants for the Treatment of Acne, Indian Journal of Natural Product and Resources, 3(1), 28-32, 2012,.
- 25.Sonia Mann, Deepika Gupta, and Rajinder K. Gupta, Phytochemical screening and evaluation of nutritional and antioxidant potential of Indian Buckwheat grains, Indian J. of Traditional Knowledge,11,40-44, 2012.

Dr. N. RAGHURAM

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Dr. KIRAMAY SARMA

28. Satapathy, A., Sarma, K. and Panda, G. K. (2011). Geospatial Modeling for Flood Management in a Rural Development Block of Orissa, India. Disaster & Management. Vol. 04 (02), pp 23-34.

BOOKS

Prof. ANU SINGH LATHER (Book Edited)

1. "Enhancing The People Factor: Human Resources Issues and Challenges", published by Narosa Publishers, Delhi. (2012).
2. Lather, A.S., Garg, S. & Jain, S. (2012). Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi.
3. Lather, A.S. & Ghakhar, D.V. (2013). Emerging Issues in Indian Financial Markets, Bloomsbury Publishing India Ltd, New Delhi

Prof. ANUP SINGH BENIWAL (Book Published)

4. India and the Narratives of Globalization: Issues and Expressions, New Delhi, Creative Books, 2012

Prof. VINOD KUMAR (BOOK EDITED)

5. Title: Role of (n,xn) reactions in Accelerator Sub-critical system. Bhatia, C.1, and Kumar, V.2 Role of (n,xn) reactions in Accelerator Sub-critical system, (Editor name), (2011), pp 1-219, ISBN 978-3-8465-0684-4. Publisher: Lap-Lambert Academic Publishing, Germany

Prof. P. BHATTACHARYA (BOOK EDITED)

6. 'New Challenges-New Opportunities in Environment' in the form of a contributed & Edited Book Scheduled to be held on World Environment Day June 05, 2012

Prof. A.K. SAINI (BOOK EDITED)

7. Business Intelligence and Data Ware Housing

INTERNATIONAL CONFERENCE

Prof. P.C. SHARMA

1. Member Core Organizing Committee, International Conference on Plant Biotechnology for Food Security : New Frontiers” organized by Society for Plant Biochemistry and Biotechnology, February 21-24, 2012, NRCPB, Pusa Complex, IARI, New Delhi.

Prof. S. S. SAMBI

2. Surinder Singh, S.K. Sharma, S.S. Sambhi; Kinetics and adsorption of Cr Ions from aqueous solution by ZeoliteNaX and its sorption properties” 61st Canadian Chemical Engineering Conference, Ontario CANADA, October 23-26, 2011

Prof. PRODYUT BHATTACHARYA

3. Prodyut Bhattacharya and Priya Bhalla (2011). Urban Biodiversity and Green Spaces in Delhi: A Comparative study of new settlement with Lutyen’s Delhi. Pg. 56. Abstract Volume International Congress on Urban Green Space.

Prof. J. K. GARG

4. Kiranmay S., Tomar, S., Garg, J.K. and Joshi, V. (2011). Implications of Fire Risk Mitigation Using Geographic Information System In Nagpur City. Proc. of Fire India 2011-International Conference & Exhibition.

Dr. N. RAGHURAM

5. Raghuram N. and Sachdev, M.S. (2012). Quantitation of coastal N pollution from Indian Peninsula: A River Basin Approach (Invited lecture), Project Inception Workshop and 1st Steering Committee Meeting, UNEP/GEF Project on "Global Foundations for Reducing Nutrient Enrichment and Oxygen Depletion from Land-based Pollution in Support of Global Nutrient Cycle" 27-29 March, Crowne Plaza, Manila, Philippines.
6. Adhya, T., and Raghuram, N. (2012). Third Intergovernmental Review Meeting (IGR-3) on the Global Programme of Action for the Protection of Marine Environment from Land-based Activities Jan. 25-27, Edsa Shangri La, Manila, Philippines.
7. Adhya, T., and Raghuram, N. (2012). Global Conference on Land-Ocean connections, interactions (with GPNM spl. session), Jan. 23-24, Manila, The Philippines.
8. Raghuram, N. (2012). Development communication or manufacture of consent? International Conference on Science Communication for Scientific Temper. 10-12 Jan, NASC, New Delhi
9. Raghuram, N. (2011). Technologies and practices to decrease N losses and increase N use efficiency in India.(lecture), International Workshop on "Measures to reduce GHG emission from N fertilizer in China: Technologies, policies, information delivery" Sept. 16-17, Friendship Hotel, Beijing, China.
10. Pathak, R.R. and Raghuram N. (2011). Functional genomics of G-protein signaling and metabolic regulation in plants (Invited lecture, 13 Sept., Nano Biomedical Research Center, Med-X Research Institute, Shanghai Jiao Tong University, Shanghai, China.

Dr. K.K. AGGARWAL

11. Garima Srivastava, G. Abraham and K.K. Aggarwal (2012) –RESPONSE OF MALATHION ON GROWTH AND SOME PHYSIOLOGICAL VARIABLES OF THE RICE FIELD BIOFERTILIZER AZOLLA MICROPHYLLA. In: Second International conference on Agrochemicals Protecting Crops, Health and Natural Environment: Role of Chemistry for Sustainable Agriculture at Indian Agricultural Research Institute, New Delhi, India from Feb. 14, 2012 to Feb. 18, 2012.
12. Lunminlal Kipgen, Sugandha Saxena, Kamal K. Aggarwal (2011)-Structural Fidelity in Protein Inhibitors of Peptidases., In International Interdisciplinary Science Conference-2011 on Bioinformatics: An Interface between Computer Science and Biology, at Jamia Millia Islamia, New Delhi, India from November 15-17, 2011.

Dr. N.C. GUPTA

13. Ismail, H. Alhassan., Gupta, N. C. 'Evaluation of surface water quality characteristics using multivariate statistical techniques: A case study of the Yamuna River at Delhi, India'. Proceedings of: The 12th Scientific Conference, Foundation of Technical Education. Organized by the Ministry of Higher Education and Scientific Research Foundation of Technical Education at Baghdad. Vol. 1, pp 15-31. 2011.

Dr. VARUN JOSHI

14. Kiranmay S., Tomar, S., Garg, J.K. and Joshi, V. (2011). Implications of Fire Risk Mitigation Using Geographic Information System In Nagpur City. Proc. of Fire India 2011-International Conference & Exhibition.

Dr. R. RAMA KISHORE

15. Roshan Singh, R.K. Purwar and Navin Rajpal, "A Better Approach for Object Tracking using Dual Tree Complex Wavelet Transform", IEEE International Conference on Image Information Processing (ICIIP), 3-5 Nov., 2011, India.

Sh. SANJAY MALIK

16. Presented a Research Paper in IEEE International Conference during 19th October 2011 to 21st October 2011 held at University of Salamanca, Spain on the topic "An Ontology Frame Work for Semantic Web Illustrating Ontology Merging"

Mr. RAHUL JOHARI

17. Rahul Johari, Neelima Gupta "Secure Query Processing in Delay Tolerant Network using Java Cryptography Architecture" in IEEE International Conference on Computational Intelligence and Communication Networks (CICN) held from October 7-9 2011 at Gwalior. Paper published by IEEE Computer Society available at IEEE Xplore
18. Rahul Johari , Pankaj Sharma "Web Application Vulnerabilities (SQLIA,XSS) Exploitation and Security Engine for SQL Injection" in International Conference on Communication Systems and Network Technologies(CSNT) held from May 11-13 2012 at Rajkot. Paper published by IEEE Computer Society available at IEEE Xplore(DOI 10.1109/CSNT.2012.104)

Dr. RITU GUPTA

19. Presented a paper titled 'Legislative Policies on Environmental Governance in India: Issues And Challenges in a National Conference organized by University School of Law and Legal Studies, GGSIP University, Dwarka, Delhi on January 21st , 2012

20. Presented a paper titled 'Change in or Takeover of the management of the Business of the Borrower by Securitization Companies and Reconstruction Companies: An effective Tool to Curb Menace of Growing NPAs' in an international Conference organized by National Law University, Dwarka, Delhi on Dec. 3-4, 2011

21. Paper titled 'The Idea of Restorative Justice: A Shifting Paradigm' has been accepted for presentation in an International Conference on Access to Non-Judicial Justice to be held at City University of Hong-Kong, Hong-Kong on 26-28 Oct. 2011

Dr. APRAJITA KASHYAP

22. Presentation on "Dilma's Dilemma: Environment and Development" at an International Conference on India Brazil Dialogue organised by Goa University in October 2011.

Dr. VANDANA SINGH

23. Presented paper in the International Conference / workshop on "Intellectual Property Laws" dated 24-27 Feb, 2012 at Delhi University.

Dr. RINU SHARMA

24. Surendra Yadav, Shivam Singh and Rinu Sharma. Chemopreventive effect of *Ocimum sanctum* in esophageal cancer cell line (TE-13). International Symposium on Recent Advances in Cancer Research: Therapeutics to Chemoprevention, Gandhinagar, 8th – 9th February, 2012.

25. Priyanka Sharma, Anoop Saraya, Prerna Gupta, Rinu Sharma. Expression of differentially expressed miRNAs in human esophageal cancer patients: potential minimally invasive biomarkers for diagnosis and prognosis. New Horizons in Cancer Research: Biology to Prevention to Therapy, December 13-16, 2011, Gurgaon, Delhi (NCR), India

26. Kriti Bahl, Anoop saraya and Rinu Sharma. Elevated levels of circulating and tissue mRNA of Oct-4, Sox-2, Bmi-1 and Nanog in ESCC patients: Potential tool for Non Invasive Cancer Diagnosis. New Horizons in Cancer Research: Biology to Prevention to Therapy, December 13-16, 2011, Gurgaon, Delhi (NCR), India.
27. Best poster Award in International Symposium on Recent Advances in Cancer Research: Therapeutics to Chemoprevention, Gandhinagar, Feb. 8-9, 2012. Kriti Bahl, Sakshi Kohli, Yenna Malhotra, Anjali, Anoop Saraya and Rinu Sharma. Expression analysis of splice variants of stem cell marker Oct-4 in Human Esophageal Squamous Cell Carcinoma.

Dr. S. K. SHARMA

28. Surinder Singh, S.K. Sharma, S.S. Sambhi; Kinetics and adsorption of Cr Ions from aqueous solution by ZeoliteNaX and its sorption properties" 61st Canadian Chemical Engineering Conference, Ontario CANADA, October 23-26, 2011
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Dr. H. A. ZAIDI

30. Paper presented in the 8th International Symposium on Fuel and Lubricants March 5-7,2012, New Delhi. The topic of oral presentation was "Kinetic Modeling Studies for the Conversion of Gasoline Range Hydrocarbons from Methanol over oxalic acid treated CuO/ HZSM-5 Catalyst"

Dr. KRITI BATRA

31. Research paper entitled " Absorption spectra of Artificial atoms in the presence of Tera Hertz fields" in the "International Conference on Quantum, Atomic , Molecular and Plasma Physics" held in Madrid Spain from March 28-29, 2012, and published in World Academy of Science and Technology journals (Volume 64)

Dr. SHIPRA MITAL GUPTA

32. Shipra Mital Gupta and Manoj Tripathi "A review on the synthesis of TiO₂ nanoparticles by solution route" Central European Journal of Chemistry 10(2), 279-294 (2012). DOI: 10.2478/s11532-011-0155-y

Ms. KULVEEN TREHAN

33. Presented a paper titled Ethical PR: An Oxymoron? - Insights from The Public Relations Industry at the International Conference organised by CAMS, Punjabi University Patiala on Oct 22-23 , 2011.

Dr. RAVINDER PURWAR

34. Roshan Singh, R.K. Purwar and Navin Rajpal, "A Better Approach for Object Tracking using Dual Tree Complex Wavelet Transform", IEEE International Conference on Image Information Processing (ICIIP), 3-5 Nov., 2011, India.

Prof. ANU SINGH LATHER

35. Lather A.S., Jain S., Dwivedi A. (2011), "Determining Negativity Triggers at the Workplace: A Study of Working Professionals" published in the proceeding of International Conference on Technology and Business Management (ICTBM-11) March 28-30, 2011.

36. Lather A.S., Khatri P. & Jain S., (2011) "Global Sustainability Parameters in Higher Education: A Study of Slovak Students Visiting India on International Student Exchange Programme" published in the proceedings of International Conference on Strategic and Innovations for Sustainable Organizations organized by USMS, GGSIPU (March 4-6, 2011).
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39. Lather A.S. & Vikas S., (2011) "Awareness and Sensitization among Young Adults about Climate Change" published in the proceedings of International Conference on Strategic and Innovations for Sustainable Organizations organized by USMS, GGSIPU (March 4-6, 2011).

Prof. S.B. JAIN

40. Bansal P., Dev A. & Jain S.B., "MFCC computation from magnitude spectrum of higher order autocorrelation coefficients for noisy speech recognition," in Proc. Second IEEE International Conference on Intelligent Human Computer Interaction (IHCI 2010), pp.212-217, 2010.

Prof. NAVIN RAJPAL

41. Choudhary V., Mishra A, Mehta R., Singh R. P. & Rajpal N., "Watermarking of Grayscale Image in DCT Domain using Least Square Support Vector Regression", in IEEE International Conference on Machine Learning and Computer (ICMLC 2011) in Singapore pp. 292-295.

Mr. SANJAY MILIK

42. "An Ontology Framework for Semantic Web illustrating Ontology Merging" accepted in IEEE Seventh International Conference on Next Generation Web Services Practices (NWeSP 2011) in Salamanca, Spain, during Oct 19-21, 2011. (Sanjay Kumar Malik, Dr. S.A.M. Rizvi)
43. "Information Extraction using Web Usage Mining, Web Scrapping and Semantic Annotation" accepted in IEEE International Conference on Computational Intelligence and Communication Networks (CICN-2011), Oct 07-09, 2011, Gwalior. (Sanjay Kumar Malik, Dr. S.A.M. Rizvi.

Dr. RANU GADI

44. Gadi R., Singh D. P. & Mandal T. K., Emissions of Indoor Air Pollutants from Biomass Fuels Used in Northern region of India and Assessment of Associated Health Risk", presented and published in the proceedings of 29th Annual Conference of American Association for Aerosol Research, Portland, Oregon, USA, October 25-29, 2010.

Dr. DINESH GANOTRA

45. Singh S. & Ganotra D., Modifications in Normalized Cross Correlation Expression for Template Matching Applications, International Conference on Image Processing, Computer Vision, & Pattern Recognition, July 18-21, 2011, Las Vegas, USA.

Ms. NAJME ZEHRA

46. Zehra N. & Hameen, Komal, "Review Paper on Implementation of Ant Colony Optimisation Algorithm" Published in International Conference on Environment Sc and Engg, ICESE Apr 2011, sponsored by IEEE, CBEES Indonesia.

47. Zehra N., Priyanka, Sristi, Deepika "Identifying the Parameters Affecting Network Coding in Wireless Networks" published in International Conference on Network Communication and Computer (ICNCC 2011) March 2011, Sponsored by IACSIT, IEEE, Singapore Institute of Electronics and other organization, Singapore.
48. Zehra N., Naqvi, Gupta P., Kochhar S., & Agarwal R., "Mobile ad Hoc Network Routing Protocols on the Basis of Energy Consumption — A Review" Published in Proceedings of the International Conference on Science & Engineering, Jan 2011.

Mr. VIVEKANAND JHA

49. Jha, V.; Khetarpal, K.; Sharma, M.; "A survey of nature inspired routing algorithms for MANETs," Electronics Computer Technology (ICECT), 2011 3rd International Conference on , vol.6, no., pp.16-24, 8-10 April 2011. Uploaded on IEEEXPLORE.
50. Jha, V.; Singh, P.; Rao, K.; , "Identification of Random and Encrypted Sequence using AI Techniques," 4th IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2011), June 10 - 12, 2011, Chengdu, China.

Dr. VEEPSA BHATIA

51. Bhatia V, Pandey N. & Bhattacharyya A., A 4-bit Expandable Algorithmic Current-Mode Analog to Digital Converter for use in Digital Control Systems, IEEE India International Conference on Power Electronics, 2011 , Page(s): 1 - 4 , Digital Object Identifier: 10.1109/IICPE.2011.5728115
52. Bhatia V, Pandey N. & Bhattacharyya A. "A 4-bit Expandable Algorithmic Current-Mode Analog to Digital Converter for use in Digital Control Systems", Proceedings of IEEE International Conference on Power Electronics (IICPE), 2010, Delhi, Digital Object Identifier: 10.1109/IICPE.2011.5728115, pp 1 - 4, Jan 28-30, 2011.

Dr. KIRAMAY SARMA

53. Kiranmay S., Tomar, S., Garg, J.K. and Joshi, V. (2011). Implications of Fire Risk Mitigation Using Geographic Information System In Nagpur City. Proc. of Fire India 2011-International Conference & Exhibition.

NATIONAL CONFERENCE

Prof. P.C. SHARMA

1. Jain, A., Ghangal, R., Chaudhary, S., Purty, R. S. and Sharma, P. C. (2011). Development of microsatellite markers in seabuckthorn. In: Proc. National Conference on Seabuckthorn: Emerging Trends in R & D on Health Protection & Environmental Conservation (V. Singh et al. Eds) Palampur, Dec. 1-3, 2011, pp 48-53.
2. Sharma, P. C., Chaudhary, S., Ghangal, R. and Purty, R. S. (2011). Transcriptome study and identification of genes differentially expressed during cold and freeze stress in seabuckthorn (*Hippophae rhamnoides* L.) In: Proc. National Conference on Seabuckthorn: Emerging Trends in R & D on Health Protection & Environmental Conservation (V. Singh et al. Eds) Palampur, Dec. 1-3, 2011, pp 54-60.

Prof. S.S. SAMBI

3. Member National Organizing Committee of National conference on "Energy and Environmental Issues Related to Chemical industry" held on February 18-19, 2012 at Department of Chemical Engineering , Faculty of Engineering and Technology, Raja Balwant Singh Engineering Technical Campus, Agra.
4. Chairperson for Technical Session No. 4 of National conference on "Energy and Environmental Issues Related to Chemical industry" held on February 18-19, 2012 at Department of Chemical Engineering , Faculty of Engineering and Technology, Raja Balwant Singh Engineering Technical Campus, Agra.

Prof. ANU SINGH LATHER

5. Lather A. S. & Goyal S. (2012) "Impact of Green Human Resource Factors on Environmental Performance: A Study of Power Sector Organization" published in proceeding of National Conference on Enhancing The People Factor: Human Resources Issues and Challenges, Feb.24-25, 2012.

6. Lather A. S., Jain S. & Shukla A. (2012) "A Comparative Study of Conflict Resolution Styles of Public and Private Sector Associates Working in National Capital Region of India" published in the proceeding of National Conference on Enhancing The People Factor: Human Resources Issues and Challenges, Feb.24-25, 2012.
7. Lather A. S. & Singh A. (2012) "Personality Types and Their Relationship to Employee Performance" published in the proceeding of National Conference on Enhancing The People Factor: Human Resources Issues and Challenges, Feb.24-25, 2012.
8. Lather A. S. & Jain S. (2012) "Perceived Leadership Styles and its Effect on Satisfaction, Effectiveness and Extra Effort of the Associates in Indian Government Organizations" published in the proceeding of National Conference on Enhancing The People Factor: Human Resources Issues and Challenges, Feb.24-25, 2012.
9. Lather, A.S. & Goyal, S. (2012). Impact of green human resource factors on environmental performance: A study of power sector organizations, published in conference proceedings titled Enhancing the People Factor: Human Resource Issues and Challenges, Narosa Publishing House, New Delhi, pp 25-37.
10. Lather, A.S., Jain, S. & Shukla, A. (2012). A comparative study of conflict resolution styles of public and private sector associates working in national capital region of India, published in conference proceedings titled Enhancing the People Factor: Human Resource Issues and Challenges, Narosa Publishing House, New Delhi, pp 88-109.
11. Lather, A.S. & Singh, A. (2012). Personality Types and their Relationship to Performance, published in conference proceedings titled Enhancing the People Factor: Human Resource Issues and Challenges, Narosa Publishing House, New Delhi, pp 137-153.
12. Lather, A.S. & Jain, S. (2012). Perceived leadership Styles and its effect on satisfaction, effectiveness, and extra effort of the associates in Indian Government Organizations, published in conference proceedings titled Enhancing the People Factor: Human Resource Issues and Challenges, Narosa Publishing House, New Delhi, pp 225-240.

13. Lather A.S., Garg, S. & Jain, S. (2012). A study of locus of control and conflict resolution styles of generation Y in national capital region of India, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-1-11.
14. Lather, A.S., Gupta, S, & Singh, A. (2012). Impact of job motivators on job performance, organizational commitment and intention to stay: Perceptions of Generation Y, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-60-71.
15. Lather, A.S., Khatri, P. & Jain, S. (2012). Mapping individual personality with brand personality: A study of generation Y preferences for mobile brands, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-105-118.
16. Lather, A.S, Garg, S. & Vikas, S. (2012), Talent development in the travel industry: creating a training inventory for generation Y employees of travel agencies in India, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-176-187.
17. Lather, A.S., Jain, S. & Shukla, A. D. (2012). Creativity and locus of control: A comparative study of age, gender and family type amongst the generation Y of Southern India, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-242-260.
18. Lather, A.S., Jain, S. & Prakash, D. (2012). Religious orientation and entrepreneurial aspirations: A study of generation Y at a metropolitan university, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-336-345.
19. Lather, A.S. & Gakhar, D.V. (2013). Emerging issues in Indian Financial Markets, published in conference proceedings titled Emerging Issues in Indian Financial Markets, Bloomsbury Publishing India Ltd, New Delhi, pp-3-9

20.Lather, A.S., Khatri, P. & Jain, S. (2013). Investors considerations for mutual funds: A study of Delhi/NCR, published in conference proceedings titled Emerging Issues in Indian Financial Markets, Bloomsbury Publishing India Ltd, New Delhi, pp-439-452.

DR. PUJA KHATRI

21.Khatri, P. & Ahuja, Y. (2012). Professional Job Stress: Gender issues and Challenges, published in conference proceedings titled Enhancing the People Factor: Human Resource Issues and Challenges, Narosa Publishing House, New Delhi, pp 191-205.

22.Khatri, P. & Jain, S. (2012). A study on the effectiveness of performance appraisal system of India Infoline Ltd., published in conference proceedings titled Enhancing the People Factor: Human Resource Issues and Challenges, Narosa Publishing House, New Delhi, pp 206-224.

23.Khatri, P. & Jena, N.G. (2012). Employability Skills and Self Perceived Competence of B School Graduates in Delhi, published in conference proceedings titled Enhancing the People Factor: Human Resource Issues and Challenges, Narosa Publishing House, New Delhi, pp 47-60

24.Khatri, P. & Khushboo (2012). A study of level of morale and trust of Gen Y managers in BPOs in Delhi-NCR, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-21-37

25.Khatri, P. & Gupta, P. (2012). A study of workplace attitudes and behaviors of Generation Y employees, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-200-214.

26.Khatri, P. & Raheja, N. (2012). Innovative Organizational Strategies to engage generation Y, published in conference proceeding titled Managing Generation Y at Workplace: Issue and Challenges, Bloomsbury Publishing India Ltd, New Delhi, pp-261-269.

27. Khatri, P. & Chauhan, K. (2012). A study of financial beliefs and ethical disposition in financial investment of generation Y in Delhi-NCR, published in conference proceedings titled Emerging Issues in Indian Financial Markets, Bloomsbury Publishing India Ltd, New Delhi, pp-23-42

Prof. VINOD KUMAR

28. Simulation of radiation Damage and Change in Physical characteristics (An Invited Talk). V. Kumar¹, Raghawa, N.S. ², Tundwal, A. Proceedings of National Symposium on SSNTDs and their Applications, (October 17, 2011) and held at M.S. University, Vadodara, Gujarat, to be published.
29. JAIPU Code for radiation damage caused by Gamma, Neutron and Proton (An invited talk). V. Kumar¹, N.S. Raghaw² and H.S. Palsania². Presented at the International Conference on "RADIATION ENVIRONMENT ASSESSMENT, MEASUREMENT and its IMPACT" held on April 12-14, 2012 at BBA Central University, Lucknow (India)

Prof. C.P. SINGH

30. Paper presented on "Diversity & Media Ethics", a paper co-presented with Uday Sahay at the Global Round Table on Media Ethics, IIMC, New Delhi, 1-3 November, 2011.

Dr. N RAGHURAM

31. Raghuram, N. (2012). Research Assessment in India: Metrics and beyond (Invited lecture), National Workshop on Using Different Metrics for Assessing Research Productivity, 16-17 Feb, ISI, New Delhi.
32. Raghuram, N. (2011). Molecular Approach to improve NUE in rice to minimize the impact of fertilizer N on climate change. NICRA workshop. Dec, NASC, New Delhi.

33. Raghuram, N. (2011). Use and misuse of scientometrics in research evaluation in India (Invited lecture), Forum on Evaluative Bibliometrics, 09 Nov, NISCAIR, New Delhi.

Dr. K.K. AGGARWAL

34. Effects of iron deficiency stress on growth, expression of membrane proteins and siderophore production in *Rhizobium* spp. In National conference on Environment and Biodiversity of India, Jamia Millia Islamia, New Delhi, India from 30th -31st December 2011.

Dr. PROMILA GUPTA

35. Sandeep Sati, Anshika Kapur, Promila Gupta (2012) Effects of Low Temperature Induced Stress on Non-Enzymatic Antioxidants in the Seedlings of *Pennisetum typhoides* (Bajra). In: Proceedings of International Conference on microbial, plant and animal research (March 29-31, 2012), at MITS, Lakshmangarh, Sikar, Rajasthan.

Dr. REETA SINGH

36. Radha, P. and Singh, R. (2011). Amplified fragment length polymorphism (AFLP) Studies on Indian *Cycas* species. *African Journal of Biotechnology*. Vol. 10(34), pp 6381-6386.
37. Singh, R. and Singh, J. K. (2011). The Importance of Odisha *Cycas* in India Biodiversity, Vol. 12(1), pp 21-27.

Dr. N.C. GUPTA

38. Singh, R. K., Gupta, N. C and Guha, B. K. Impact on ground water quality due to Leaching of Trace Elements from Coal Fly Ash, National Seminar on Environmental Pollution and Bioremediation, Organized by School of Environmental Sciences JNU, New Delhi-110067, December 28-29, 2011.

39. Ismail, H. Alhassan., Gupta, N. C. 'Evaluation of surface water quality characteristics using multivariate statistical techniques: A case study of the Yamuna River at Delhi, India'. Proceedings of: The 12th Scientific Conference, Foundation of Technical Education. Organized by the Ministry of Higher Education and Scientific Research Foundation of Technical Education at Baghdad. Vol. 1, pp 15-31. 2011.

Dr. SHRUTI AGGARWAL

40. "Enhancing input solar energy by Dye Sensitized solar cell (DSSC) by using swift heavy ion (SHI) Irradiated ITO", Shruti Aggarwal, Proceedings of National conference on Solar Power: The most promising solution to future energy crisis, March 29-30, 2012, Government Engineering College Bharatpur, pp 48-53

Dr. VARUN JOSHI

41. Sharma, S., Joshi, V., Singh, K.K. (2011). Problem of increasing water demand and scarcity due to urbanization and tourism in Gangtok city, Eastern Himalaya, India. Proceedings of Water for cities: responding to the urban challenge. Organized by The Institute of Engineers (India), Guwahati. pp. 36 - 43.

42. Sharma, A.K., Krishna, A.P., Joshi, V. and Kumar, K. (2011). Natural disaster mitigation and management in Sikkim Himalaya. Proceedings of regional workshop on Rejuvenation of springs by artificial recharge and catchment area treatment with special reference to rainwater harvesting, Central Ground Water Board, Eastern Region Kolkata. pp. 8-25

43. Sharma, S., Singh, K.K. and Joshi, V. (2011). Problems of drinking water supply in Sikkim, Eastern Himalaya: need for suitable management. Proceedings of regional workshop on Rejuvenation of springs by artificial recharge and catchment area treatment with special reference to rainwater harvesting, Central Ground Water Board, Eastern Region Kolkata. pp. 58-70

44. Rawat, M. S., Singh, K.K., Joshi, V., and Kumar, K. (2011). Role of rainfall in including landslide- case study of National Highway 31-A, Sikkim Himalaya. Proceedings of regional workshop on Rejuvenation of springs by artificial recharge and catchment area treatment with special reference to rainwater harvesting, Central Ground Water Board, Eastern Region Kolkata. pp. 99-116.
45. Joshi, V. (2011). Economic prospects of Sikkim: a brief outlook. In Souvenir, Moran Collage, Dibrugarh, Assam National Seminar on Economic Development of North East India: Problems and Prospects. 8th and 9th December, 2011, pp 52-57
46. Kiranmay S., Tomar, S., Garg, J.K. and Joshi, V. (2011). Implications of Fire Risk Mitigation Using Geographic Information System In Nagpur City. Proc. of Fire India 2011-International Conference & Exhibition.

Dr. RITU GUPTA

47. Presented a paper titled 'Legislative Policies on Environmental Governance in India: Issues And Challenges in a National Conference organized by University School of Law and Legal Studies, GGSIP University, Dwarka, Delhi on January 21st , 2012

Dr. APRAJITA KASHYAP

48. Presented a paper at the National Conference on Environment and Development : Sustainability Issues on " Obligations of the State System" organised by USLLS, GGSIPU January 2012.

Dr. NARESH KUMAR VATS

49. Presented paper 'Globalisation as Depicted in Shobha De's Writings' in UGC sponsored National Seminar: The Impact of Globalisation on Economic, Political and Socio-cultural Domains in India from March 23 to March 25, 2012 at RVVSPS College, Ajmer, Rajasthan.

50. Presented paper 'Mapping Relationships: A Study of Shobha De's Novel Socialite Evenings in National Conference on Contemporary Social Realities in Indian English Fiction of Post 1980's on May 19, 2012 organised by Manav Rachna International University, Faridabad, Haryana.

Dr. SATYABRATA MOHAPATRA

51. Synthesis and ion beam engineering of plasmonic nanocomposites, S. Mohapatra, Nanostructuring by Ion beams (NIB 2011) from 17th to 19th October 2011 at Allahabad University, Allahabad (Invited Talk).

52. Synthesis of Si nanocrystals by MeV ion irradiation of metal implanted Si, Sini Kuriakose and S. Mohapatra, Nanostructuring by Ion beams (NIB 2011) from 17th to 19th October 2011 at Allahabad University, Allahabad.

53. Thermal behavior of localized surface plasmon resonance of Au nanoparticles in partially oxidized silicon, Promod Kumar, S. Mohapatra, Jai Prakash, A. Tripathi, and D.K. Avasthi, Nanostructuring by Ion beams (NIB 2011) from 17th to 19th October 2011 at Allahabad University, Allahabad.

Dr. SHIPRA MITAL GUPTA

54. "Lead sulphide nanoparticles" at 7th National Symposium And Conference On Solid State Chemistry And Allied Areas, Department Of Chemistry, Jamia Millia Islamia, India on November 24-26, 2011.

Dr. KIRAMAY SARMA

55. Satapathy, A., Sarma, K. and Panda, G. K. (2011). Geospatial Modeling for Flood Management in a Rural Development Block of Orissa, India. Disaster & Management. Vol. 04 (02), pp 23-34.

Dr. DURGESH TRIPATHI

56. "Teenagers Trapped in the Virtual World of Online Gaming"- International Journal of Communication Development ISSN 2231-2498, Vol. I-III, Oct.-Dec. 2011, Delhi
57. Impact of New Media on Teenagers- Pragyaa Journal of Mass Communication, ISSN 0974-5521, Vol. 9 Issue 2, Dec. 2011, Dehradun.
58. National seminar at Surendranath College for Women, Kolkata in association with the Dept. Of Journalism and Mass Communication University of Calcutta on 10th and 11th Jan. 2012 and presented a paper on "Role of New Media in Communication Revolution in India".

Mr. SACHIN BHARTI

59. International Seminar Issues of Journalistic Ethics and Freedom in the Contemporary Age of Digital Media on 9-11 January 2012 organised by the Department of Journalism and Mass Communication University of Calcutta and presented a paper on "Cinema and Youth".
60. National Seminar at Surendranath College for Women, Kolkata in association with Deptt. of Journalism and Mass Communication University of Calcutta on 10th and 11th Jan.-2012 and presented a paper on "Photojournalism in the Age of New Media".

Dr. ARIF ALI KHAN

61. "Chemistry of terminal phosphinidene intermediates", at National Conference (NCCC-2011), Dr. B R Ambedkar National Institute of Technology, Jalandhar (Punjab), August 20-21, 2011.

Dr. RAKESH ANGIRA

62. Rakesh Angira, Kinetic Parameter Estimation Using Modified Differential Evolution", Proceedings of International Conference, on Artificial Intelligence and Soft Computing (ICAISC), Bhubneshwar, India

Dr. NEERU ANAND

63. Presentation – Study of growth of Microalage chlorella Minntissima and bio-oil extraction – Dinesh Kumar and Neeru Anand accepted for presentation in ICER-11 organized by JERAD, December 15-17, 2011

Dr. H. A. ZAIDI

64. Zaidi H. A. & Pant K. K., "Gasoline range hydro-carbon production from methanol using modified HZSM-5, catalyst" International conference on renewable energy and utilization – 2012, combatore, India (Accepted

Dr. BISWAJIT SARKAR

65. Biswajit Sarkar, U. K. Mandal, prediction of permeate flux far gel – layer controlled laminar cross flow ultrafiltration, international conference on Recent Advances in Chemical Engineering and Technology (RACET 2011), Cochin India, 10-12th March, 2011.
66. Sunil Kumar, Biswajit Sarkar, Subhojit Sarkar, Barun Kumar Thakur, Sirshendu De, Electric field assisted micellar enhanced ultrafiltration of naphtheric acid from water, (CHEMCON-2010) December 27 to 29th, 2010, Chidambarm, India

Mr. DINESH KUMAR

67. Paper titled "Fast pyrolysis of Babool seeds as an alternative source for bio crude in a horizontal fixed bed" selected for presentation in CHEMCON, 2011 in 27-29 December, 2011 in Bangalore.
68. Paper titled "Study of growth of Microalgae Chlorella Minutissima and bio oil extraction" selected for 4th international congress of environmental research conference from December 15-17, 2011 at NIT Surat.

Dr. S.R.N. REDDY

69. SRN Reddy, Nupur Prakash, and Reddi Prasad, "Mobile Device Programming and its Applications", Published in the proceedings of the National Conference on "Advances in Wireless cellular Telecommunications: Technologies and Services", pp: 162-165, 2011.

Dr. RANI GADI

70. Gadi R., Singh D. P., Mandal T. K. & Gadi R., , Emission characterization of Organic Compounds from combustion of fossil fuels and biomass in Delhi and assessment of associated health risk, presented and published in the proceedings of Petrotech-2010, 9th International Oil and Gas Conference from Oct 31-Nov 3, 2010 at New Delhi, India.

Mr. M. GANGADHARAPPA

71. Kumar P., Kanaujia B.K., Gangadharappa M., "Analytical Results for BER Performance of Rake Receiver In Rayleigh Fading Channel for UMTS environment", 6th IEEE conference on Wireless Communication and Sensor Networks, WCSN-2010 in IIIT-Allahabad (INDIA), ISBN: 978-1-4244-9731-7, Dec-2010.

72.Goel P. & Gangadharappa M. "Tracking Red objects in Video using MATLAB"
International conference on advances in Electrical and Electronics
Engineering, Feb 25-26, 2011 Moradabad Institute of Technology, Moradabad
-244001 (U.P.),India

73.Gangadharappa M., Kapoor R. Prakash N., "Robust Multimedia Transmission
over mobile wireless channel", Presented at National Conference on
"Advances in Wireless Cellular Telecommunications: Technologies and
services" held at India International Centre, New Delhi, April 14-15, 2011.

Mr. AKASH TAYAL

74.Curvelets and their Future Applications", 5th National Conference, INDIACom-
2011, March 10 – 11, 2011

75.Image Compression Based on Selection of Mother Wavelet", 5th National
Conference, INDIACom-2011, March 10 – 11, 2011

Mr. VIVEKANAND JHA

76.Jha V., Jain I & Unnati H., "Energy Efficient Techniques for increasing Network
Lifetime of Wireless Sensor Networks", Institution of Communication
Engineers and Information Technologists (ICEIT) National Conference on
Advances in Wireless Cellular Telecommunications: Technologies and
Services, 14-15 April 2011, New Delhi.

Dr. SARVESH DUTT TRIPATHI

77."Patterns of Social Advertising in Print Media", published in "Communication
Today", Jan-March, 2011, ISSN 0975-217X, Vol.13, No. 1,(Jan- March, 2011)

Ms. KULVEEN TREHAN

78. "Media functions and uses vis-a-vis mega sporting events in Asia : a critical analysis of print media coverage of Common wealth Games 2010 , Delhi" at the 20th Asian Media information and Communication Centre ,(Singapore) International Conference organised by AMIC and University of Hyderabad at Taj Krishna Hotel , Hyderabad from 24th June to 27th June 2011.
79. "Media, Market and Mega Sporting Events: Understanding media functions and uses w.r.t. coverage of Common Wealth Games 2010, Delhi" the two-day National Seminar on "Media and the New World Order" organised by Shymlal College , University of Delhi on 4-5 February 2011.
80. Ethical PR: An Oxymoron? - Insights from The Public Relations Industry at the International Conference organised by CAMS, Punjabi University Patiala on Oct. 22-23 , 2011

Ms. SWETA SINGH

81. National Seminar on 'Media and the New World Order' held at Conference Centre, North Campus, University of Delhi, Friday and Saturday, 4-5 February 2011 and also presented a paper on 'New media's impact on journalism in India with special reference to Radiagate.

Mr. SACHIN BHARTI

82. 'R.T.I. and Media' in UGC Sponsored National Seminar on Social Impact of Right to Information - 2005 held on 15th - 16th January 2011 at Mahatma Gandhi Kashi Vidyapeeth, Varanasi.

Mr. RAHUL JOHARI

83. Vandana Juyal , Rahul Johari "Routing in Delay Tolerant Networks" Published in the proceedings of International Multi conference on Intelligent Systems, Sustainable, New and Renewable Energy Technology & NanoTechnology in March 2012.

G. ABBREVIATIONS

ABBREVIATIONS

S. No.	Abbreviation	
1.	USLLS	University School of Law and Legal Studies
2.	USMS	University School of Management Studies
3.	USBT	University School of Biotechnology
4.	USHSS	University School of Humanities and Social Sciences
5.	USCT	University School of Chemical Technology,
6	USBAS	University School of Basic & Applied Sciences,
7	USEM	University School of Environment Management,
8	USIT	University School of Information Technology,
9	USE	University School of Education
11	USAP	University School of Architecture and Planning
12	USS	University School of Studies
13	UIRC	University Information Resource Centre
14	UCITIM	University Centre for IT Services & Infrastructure Management