THE AGENDA FOR 3RD MEETING OF INTERNAL QUALITY ASSURANCE CELL (IQAC)

Proposed By
Director, Internal Quality Assurance Cell (IQAC)
Guru Jambheshwar University Of Science and Technology, Hisar 125001 (Haryana)

[For further detailed please visit at: http://gjust.ac.in/naac/naac.htm]

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INTERNAL QUALITY ASSURANCE CELL (IQAC)
GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, HISAR (HARYANA)

MEETING-NOTICE

To

1. **Dr. M L Ranga,**
   Vice-chancellor   Chairman

2. **Prof. L. N. Dahiya**
   Former PVC, MDU, Rohtak   External Member

3. **Sh. R P Jindal**
   Executive Director, JSL, Hisar   External Member

4. **Prof. R. S. Jaglan**
   Registrar   Internal Member

5. **Prof. M.S. Turan**
   Dean Academic Affairs   Internal Member

6. **Prof. Rajesh Malhotra**
   Proctor   Internal Member

7. **Prof. S. C. Kundu**
   Chief Warden   Internal Member

8. **Prof. Kuldip Bansal**
   Dean Students' Welfare   Internal Member

9. **Prof. Dharminder Kumar**
   Dean of Colleges   Internal Member

10. **Prof. B. S. Khatkar**
    University Librarian   Internal Member

11. Prof. (Mrs) Anubha Kaushik
   Dept. of Environment Sc & Engg   Internal Member

12. Prof. B. K. Punia
   Dean, Haryana School of Business   Internal Member

13. Sh. R. K. Yadav
   Controller of Examinations   Internal Member

14. Sh. B S Kundu
   DR(A/C)/Financial Advisor   Internal Member

15. Er. Ashok Ahlawat
   Superintendent Engineer   Internal Member

Dear Sir/Madam,

It is my pleasure to inform you that the 3rd Meeting of the Internal Quality Assurance Cell of Guru Jambheshwar University of Science & Technology, Hisar is scheduled to be held **on 03-10-2012 at 3.30 PM** in the Committee Room of the University. The brief-agenda of the meeting is enclosed herewith. You are therefore requested to kindly make it convenient to attend the meeting

Dated: 18-09-2012   **Sd/-**
                                                   (Prof. Karam Pal Narwal)
                                                         Director, IQAC

Copy to:
   1. *SVC (for kind information of Hon'ble Vice-chancellor) GJUS&T, Hisar for information and necessary action please.*
   2. *OSD to Registrar (for kind information of Registrar) GJUS&T, Hisar for information and necessary action please.*
   3. *All Members (External & Internal) of IQAC, GJUST for information and necessary action please.*
   4. *Deputy Registrar (Academic) for information and necessary action please.*

The following agenda-items shall be discussed in the 3rd Meeting of IQAC that has been scheduled to be held of 03-10-2012 at 3.30 PM in the Committee Room of the University.

Agenda Item: 01: *To confirm the minutes on 2nd meeting of IQAC and to further initiate the process of setting quality benchmarks/parameters for the various academic administrative, research and extension activities of the university.*

Agenda Item: 02: *To work out the mechanism for ensuring timely, efficient and periodic-progressive performance of academic, administrative, research and extension activities on regular basis.*

Agenda Item: 03: *To devise the process of dissemination of all relevant information to all stakeholders for sensitizing them on the various quality parameters of higher & technical education.*

Agenda Item: 04: *To decide the mode of ensuring the credibility of teaching, learning, evaluation examination procedures through regular but internal academic, administrative and physical audits on annual basis.*

Agenda Item: 05: *To consider and approve the Annual Quality Assurance Report (AQAR) for the academic years 2009-10, 2010-11 and 2011-12, which are to be submitted to NAAC based on the quality parameters.*

Agenda Item: 06: *To discuss the feedback of NAAC on Annual Quality Assurance Report (AQAR) for suggesting further necessary action required for various quality parameters of higher and technical education.*

Agenda Item: 07: *To further explore the possibilities of research sharing and networking with other institutions in India and abroad.*

Agenda Item: 08: *To consider and approved the proposal of one day workshop/seminars on quality related themes and promotion of academic quality related activities of the university during academic year 2012-13.*

Agenda Item: 09: *To devise the mechanism for the wider publicity, timely promotion and aggressive-cum-competitive marketing of university's academic and research strengths to all stakeholders' especially potential scholars and students.*

Agenda Item: 10: *Any other item with the permission of chair.*

Sd/-
(Prof. Karam Pal Narwal)
Director, IQAC

The Annual Quality Assurance Report (AQAR)
For
Academic Session: 2009-2010

Submitted to
The Adviser, National Assessment and Accreditation Council, P. O. Box No. 1075 Nagarbhavi, Bangalore -560072

Submitted By
Director, Internal Quality Assurance Cell (IQAC)
Guru Jambheshwar University Of Science and Technology, Hisar 125001 (Haryana)

Visit us at: www.gjust.ac.in

The Annual Quality Assurance Report (AQAR)
For Session 2009-2010
By
Internal Quality Assurance Cell (IQAC), Guru Jambheshwar University of Science and Technology, Hisar 125001 (Haryana) INDIA

Name of the Institution : **Guru Jambheshwar University of Science and Technology, Hisar 125001 (Haryana) INDIA**
Visit us at: **www.gjust.ac.in**

Year of Report : **Academic Session 2009-2010**

Head of the Institution : **Dr. M L Ranga, Vice-chancellor**

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Section-A

Plan of actions as chalked out by the IQAC in the beginning of the year towards Internal Quality Enhancement. The overall plan of actions for

enhancement of the internal quality during 2009-2010 is mentioned below:

- To improve the quality of teaching, research and examination. This involves filling up of the available position, improvement of infrastructure, including construction of building, enhancing laboratory facilities and introduction of credit based system of continuous assessment at least in some departments, maintaining the academic calendar and publishing result in time.
- To work out the acceptable mechanism for ensuring timely, efficient and periodic-progressive performance of academic, administrative, research and extension activities on regular basis.
- To encourage faculty members to generate resource by way of submitting research projects and undertaking consultancy and extension activities and also to encourage faculty members to publish their research in high quality research Journals of international and national repute.
- To devise the process of dissemination of all relevant information to all stakeholders for sensitizing them on the various quality parameters of higher & technical education.
- To note the feedback of NAAC on Annual Quality Assurance Report (AQAR) for suggesting further necessary action required for various quality parameters of higher and technical education.
- To further explore the possibilities of research sharing and networking with other institutions in India and abroad.
- To enhance the overall research-based H-Index of the university.
- To modernize library facilities and to spend more money for purchase of new books and journals including e-data bases.
- To enhance students amenities and facilities and to encourage students to involve in NSS and other social and community activities.
- To upgrade information technology base and computerization of different departments and branches/offices.
- To introduce new programmes in the emerging frontiers of science, technology, environment, pharmaceutical and business management.
- To initiate the process of construction of new buildings other required physical infrastructure.

Section B

1. **Activities specially reflecting goals and objectives of institution**

- The university was re-accredited as 'Grade-A' with CGPA 3.26 in 2009.

- All B. Tech programmes and MCA programme were accredited by NBA.

- More than 500 seats were increased in different existing programmes.

- New programmes like MSc (Development Communication), MSc (Nano Science & Technology), MPT (Neurological Disorders), M. PTH (Pediatric Physiotherapy)

- and some other PG Diploma programmes were introduced.

- The syllabi of MBA, BBA, MSc, B. Tech. (IT), B. Tech. (CSE), MCA and M. Tech. (CSE) were revised.

- Training and placement cell for engineering students was established.

- Institution interaction and relations with leading media organizations for our faculty and students were organized.

- Haryana School of Business organized its Annual national Conference on Business and Management and also National Workshop on Business Research Methods.

- Department of Food Tech, Computer Science, Environment Science & Engg organized national conference in contemporary issues in respective fields.

- All programmes run under distance education mode were granted approval and recognition by Distance Education Council, New Delhi.

- Department of Pharmaceutical Science conducted extension lecture series for faculty, scholar and students.

- The University Grants Commissions established its Academic Staff College on the campus of this university for teachers training especially in the field of science and technology.

- The university was conferred with green campus award by World management Congress.

- The university successfully organized All India Inter University Tennis Championship.

- Working Women Hostel, Child Care Centre was constructed during this year and Girls Hostel-III and Boys Hostel-III were extended by 45 rooms each.

- The university, in-principle, decided to replace traditional tube lights with CFL tubes and bulbs for energy saving purpose.

- The whole campus was connected with Wi-Fi Internet system by the Campus-wide networking Cell of the university.

2.   New academic programmes initiated (UG and PG)

- MSc (Development Communication)

- MSc (Nano Science & Technology),
- MPT (Neurological Disorders),
- M. PTH (Pediatric Physiotherapy)
- P.G. Diploma in Web Advertising and Animation
- P.G. Diploma in Tourism Public Relation
- P.G. Diploma in Defense Journalism

3. Innovations in curricular design and operation

- Curriculum of new courses adopted as per UGC/AICTE/PHI/Govt. guidelines.
- Curriculum of Management related programmes was revised in consultation with industry representatives.
- Curriculum of Advertising and Public Relations was revised in consultation with Media representatives.
- Course curriculum of Pre-PhD programmes in different disciplines was revised in the light of latest UGC Regulations for PhD programme.

4. Inter-disciplinary programmes started

- Department of Communication and Management started MSc (Development Communication) as inter-disciplinary programme.
- Haryana School of Business, Department of Computer science and Engg and Department of Advertising and Public Relations offered open elective courses for different programmes.

5. Examination reforms implemented

- The Credit based System (CBS) was implemented on the pattern of IIT, New Delhi.
- Spot evaluation system was implemented to declare the results in-time.
- CCTV Cameras were fitted in whole examination branch to oversee the working of staff involved with a view to enhance efficiency and transparency.
- Electronic Date Centre was strengthened for scanning the results sheets in-time.

6. Candidates qualified: NET/SLET/GATE etc.

- In total , 78 candidates have qualified NET/SLET/GATE/etc.

7. Initiative towards faculty development programmes

- Three Refreshers, one Workshop and three Orientation Programmes were conducted by the Academic Staff College of this university.
- All teachers whose refresher or orientation programme are due allowed to attend the same by the authorities.
- Seven teachers were allowed to take training under TEQIP-I programme and Radio Ecology Centre of the university.
- More than forty teachers attended conferences/seminars in addition to several campus conference/seminars being attended on the campus during the year.
- Directorate of distance education conducted workshop on lesson writing skills for all coordinators/teachers engaged in different programme being run under DDE.

8. Total number of seminars/workshops conducted

- In total 18 conference/seminars/workshops were conducted on the campus.

9. Research projects: a) Ongoing; and b) Completed

- In total, 48 projects are on-going and 09 research projects were completed.

10. Patents generated, if any

- Two patents were under process during this session.
- The university introduced its IPR Policy during this session.

11. New collaborative research programmes

The University has signed MoUs with the following Indian Organizations for the purpose mentioned against their names:
- With University of Manitoba for Educational & Academic Exchange Programmes
- With University of Maryland for Joint Academic and Research Programmes
- With George Washington University for Promotion of Research & Extensions in Bio-Sc.
- With TCG Life Sciences, Kolkata for Collaborative Research Programmes
- With BARC, BRNS and NPCIL, Mumbai for Establishment of Centre for Radio-Ecology
- With ICAI, New Delhi for Credit Transfer among CA/ MBA/ Students
- With Venus Medical Research Centre for Collaborative Research Programme
- With HARSAC, Hisar for Collaborative M.Tech. Geo-info and Research programme
- With CPB, Hisar for Collaborative Research & Training Program.

12. Research grants received from various agencies

- Rs. 6, 90, 00, 000 was received from different research funding agencies.

13. Details of research scholars

- Total 283 research scholars were on rolls including 54 JRFs during this session.

14. Citation index of faculty members and impact factor

- The university Citation H-Index is 32 and more than 20 teachers have their citation H-Index 5 or more during this session.

15. Honors/Awards to the faculty: National and International

- Dr. D D S Sandhu, Vice-chancellor was given 'Best Educator Award' this year.
- Dr. D D S Sandhu, Vice-chancellor was given 'Haryana Rattan Award' this year.
- Dr. R S Jaglan, Registrar was given 'Best Researcher Award' on Independence Day.
- Dr. Karam Pal Narwal Co-Chaired a Technical Session/Track at IIM-Kolkata in its 1st International Finance Conference during this year.
- Dr. R Bhaskar was invited as an Academic Guest by Centre for Geobiology, Norway and Stockholm University, Sweden this year.

16. Internal resources generated

- In total, a sum of Rs. 48, 79, 63, 256 were generated from internal sources this year.

17. Details of departments getting assistance/recognition under SAP, COSIST (ASSIST)/DST, FIST, and other programmes

- Haryana School of Business : SAP DRS-II
- Department of Communication and Management : SAP DRS-I
- Department of Mathematics : SAP DRS-I
- Department of Computer Science & Engg : SAP DRS-I
- Department of Bio-Nano Science : SAP DRS-I
- Department of Physics : SAP DRS-I
- Department of Environment Sc & Engg : SAP DRS-II
- Department of Chemistry & Physics : DST-FIST

18. Community services

- NSS wing of the university organized a State Level Exhibition on World AIDS Day "Youth Voice on HIV/AIDS Free India"

- NSS unit of GJUS&T organized a patriotic cultural programme based on communal harmony on 25-11-09 to celebrate the Flag Day.

- In the remembrance of Guru Jambheshwar Ji Maharaj, a great environmentalist of the 15th century "Plantation Day" was successfully organized by the NSS unit of the university on 13-08-09.

- Dept. of Advertising Management and Public Relations organized a Voting Awareness Campaign amongst the residents of Hisar and around.

- Dept. of Pharmaceutical Science organized a General Awareness of Pharmacy during National Pharmacy week, Nov. 2009

- Dept. of Bio-Medical Engg Provided services as Facilitator-cum-Evaluator in CAPART

- Dr. N.S. Malik from Haryana School of Business offered online consultancy services for personal Financial Planning and Investment Decisions through www.c4isindia.com

- A Help line has been initiated by the National Service Scheme (NSS) unit of the university from 01-07-09 to 30-07-09 to provide the information and assistance to the students aspiring to take admission in the university along with Help Desk.

- A pledge to fight against terrorism was taken by the students of GJUS&T on the occasion of anti-terrorism day in remembrance of death anniversary of former Prime Minister of India Mr. Rajiv Gandhi. The Day is observed to generate awareness in the country among all sections of people, about the danger of terrorism, violence and its dangerous effect on the people, the society and the country as a whole.

- The Centre (CBRI) has been involved in providing psychological counseling to students, patients. Career counseling, personality development, awareness programme, community intervention programme, conducting workshops and seminars on psycho-social problems are some of the major objectives of the centre. The centre is also working on sponsored research projects in the field of behaviour modification, HIV /AIDS, Violence etc. Psychological Testing has been the integral part of centre covering personality, ability, aptitude and assessment of mental health. The centre has been providing all the services to the students as well as referral cases free of cost throughout the year.

19. Personnel and recruitment by the university

- Teaching staff: 155 out of 276 posts filled on regular basis and other more than 100 post were filled on contractual basis.
- Officers: 22 out of 31 posts filled
- Other non-teaching staff: 487 out of 661 posts filled

20. Teaching – Non-teaching staff ratio

- The Teaching-Non-teaching ration is appr 1: 2.4 on sanctioned basis.

21. Improvements in the library services

- The access to "5930 electronic journals of 14 publishers, 7 databases and JCCC portal" is provided through INFONET Consortium of INFLIBNET- an organ of UGC. The IEL service is also provided through INDEST Consortium of AICTE vide which the access to the electronic journals of IEEE is provided. The access to the electronic journals and databases is provided in the University Computer Information Centre (UCIC) located in the University Library and in the Departments through Campus Wide Network for use by the Faculty and the Students.

- The University Library subscribed Emerald Management Xtra -175, an online database of 175 electronic journals w.e.f. January 2009. The University Library also subscribed an on-line database "PROWESS", a product of Centre for Monitoring Indian Economy (CMIE).

- Using the Integrated Library Computer Software Libsys:, the complete database of Library holdings of books, Library membership including students, University officers, faculty members, research scholars and non-teaching staff has been created. The Bar Coded Library Identify Cards are issued to all categories of members for borrowing facility. The Library provides On Line Public Access Catalogue (OPAC) facility to the readers to search and know the status of the reading material available in the Library. On this system, books on demand are reserved for the students and follow up action by generating letters and sending to the students is taken promptly.

- To facilitate students, research scholars and faculty members, the Internet facility is provided in the UCIC located in the University Library. For the Library Surveillances, the Library has a Close Circuit Television system using 16 cameras. As a step towards modernization of the Library, Video Conferencing facility has been provided in a hall having a seating capacity of 65 users.

- The Library is a member of the American Library, New Delhi. All the students and faculty of our University are entitled to borrow books from the American Library.

Members need to get the Library Card of the American Library from the University Library to borrow the books from American Library, New Delhi.

- The University Library enrolled 4218 members during the current year and recorded 25422 visitors during the period. During the period of January to December, 2007, total issues for home lending were 68314 (Average issues 238 books per day). The Library functions in two shifts from 9.00 A.M. to 7.00 P.M. and remains open on Saturdays and Sundays (9.00 a.m. to 5.00 p.m.).

- The Library provides Books Bank facility to the Undergraduate and SC/ST students of Postgraduate courses of the University. Under the Book Bank Scheme 448 books were issued to the students on semester basis.

- The photocopy services facility is being provided in the Library through a Commercial private vendor on University approved rates.

- The University Library is in the process of creation of Digital Library using LS Digital Software- an add on to integrated library software LibSys. At present, the theses, professional training reports submitted in the University are being digitized. Users can view the availability of reading material in the library in print as well as electronic format on OPAC. The full text material in electronic format is attached with the bibliographical details and with a single click; the users can view the whole document on the screen.

22. New books/journals subscribed and their value

- During the year, an amount of Rs. 1,12,72,226/- was spent on purchase of books and 6579 books of 4197 titles were added to the existing stock of 64282 books of 41727 titles.

- The amount includes the grants received from funding agencies like University Grants Commission, DBT, DST, NBHM etc.. All the grants received from these agencies were fully utilized. The Library at present has a total collection of 70860 books of 45924 titles.

- The library has undertaken subscription of 151 Indian Journals in the year 2009. The Journals already subscribed in the Library were reviewed keeping in view their utilization pattern. The Library subscribes 61 magazines and 20 newspapers to cater to the general information needs of the University.

- The access to "5930 electronic journals of 14 publishers, 7 databases and JCCC portal" is provided through INFONET Consortium of INFLIBNET- an organ of UGC. The IEL service is also provided through INDEST Consortium of AICTE vide which the access to the electronic journals of IEEE is provided.

- The access to the electronic journals and databases is provided in the University Computer Information Centre (UCIC) located in the University Library and in the Departments through Campus Wide Network for use by the Faculty and the Students. The Library has 4175 bound back volumes of journals.

23. Courses in which student assessment of teachers is introduced

- The students' assessment of teachers was introduced in the Dept. of Communication and Management, Dept. of Electronic and Communication Engg, Dept. of Advertising and Public Relations and Haryana School of Business during this session.

- The feedback was conveyed to teachers for betterment in their pedagogy and interaction within and outside the classrooms.

24. Feedback from different stakeholders

- The University has constituted the Business Development Group (BDG). The BDG has been mandated to foster closer ties with the Corporate World, Industry Association, Government agencies, Multi-lateral bodies and others for the purpose of soliciting consultancy assignments, collaborative research projects, and establishment of study chair in the University and placement activities of the students.

- The BDG keep receiving feedback from industry and other stakeholders and the same are immediately disseminated to quarter concerned for corrective actions if needed.

- In every Board of Studies, there are industry representative so that their regular feedback may be taken on the curriculum and syllabi being taught on the campus.

25. Unit cost of education

- The unit cost of regular education during this year is Rs. 72, 681/- only.
- The unit cost of distance education during this year is Rs. 1,409/- only.

26. Computerization of administration and the process of admissions and examination results, issue of certificates

- UCIC has given a new look to the University website in year 2009. It has added some online dynamic features like Online Alumni Registration. Online Employees Salary Statements and Online Support to Directorate of Distance Education etc.

- The website of the University has been indigenously designed and is being maintained by the Computer Centre. The site is continuously updated to cover all day-to-day activities. The information regarding the University can be load from the University website www.gjust.ac.in

- Advances in ICT (Information & Communication Technologies) have been accelerating at an unparallel pace in history. Many breakthroughs can be described as revolutionary. More and more, communication networks based on modern telecommunication technology are allowing all forms of information, whether voice, data, text or video to be exchanged to and from anywhere and at any time.

- In order to cater all such needs of Information & Communication Technologies for students, staff and faculty of university, Networking Cell has been set up in the university. At present all the teaching departments, hostels (common room), administrative blocks and other offices have been connected with a combination of wired and wireless network.

- The internet connectivity has been provided through 10 Mbps leased line free of cost to faculty, staff and students of university for 24 hours. Each faculty, staff and students of University is provided E-mail address on internal mail server of University. The network has been empowered through high capacity and secured active and passive components.

- Admissions to all B. Tech. Programmes are done on-line and Registration & Fee records of all the students are kept on-line.

- Electronic Data Centre has been created in the examination branch of the university that cater the ICT requirement of conduct of exam to declaration of results.

27. Increase in the infrastructural facilities

- Construction of Working Women Hostel completed this year.

- Extension to Boys Hostel-III and Girls Hostel-III completed this year.

- Extension to Shopping Complex completed this year.

- Repair of Campus Boundary Wall completed this year.

- Construction of 18 C-Type Houses, 30 A-Type Houses completed this year.

- Renovation of Labs in Basic Sciences completed this year.

- Sports ground completely resurfaced and developed for football and cricket.

- The Horticulture Department initiated the 'Green Zone' programme.

28. Technology up gradation

- UCIC is maintaining a software development cell. The objective of the cell is to design new application software and support for existing software of various branches/departments.

- The UCIC also houses a full-fledged Language Laboratory in year 2009. The lab has a Clarity Infinity Software, which offers a variety of functions such as Recording, High Speed Copying, Test Preparation, Intercom, Student Monitoring, Teacher/Student Call, Group Conferencing, etc. The main console is connected to 24 listening booths which have been specially designed for student-teacher interaction and greater concentration for language learning.

- The UCIC has also installed the EDUSAT (the Education Satellite) facility, a powerful communication tool for emulating virtual classroom in an effective manner. This facility is very helpful to faculty members to prepare computer aided teaching/learning materials for quality education. The same satellite transmission facility is also provided to the students to attend lecturers and obtain study material from transmission sites like IGNOU, UGC, CEIT, CEC & AICTE.

- Department of Communication and Management upgraded its equipments and softwares during this year.

- Department of Advertising and Public Relations added new software on animation.

- Department of Electronic and Communication Engg added modern lab.

- Haryana School of Business added DLPs, Visualizers and E-Data base this year.

29. Computer and internet access and training to teachers, non-teaching staff and students

- Computer and Internet access is available to each and every student, scholar, staff and teacher of this university.

- The University Computer and Information Centre keep conducting necessary training of all users as and when some technological changes are implemented in the system.

- 10 Mbps Leased Line through BSNL under UGC INFONET Programme is available and the same is like to go up in near future.

- In addition to above, there is Campus-wide networking Cell that provides Internet access throughout the campus through Wi-Fi system.

30. Financial aid to students

- Financial aid is available to all SC/ST students under different government schemes.
- AICTE scholarship is available to all valid GATE/GPAT scorer who are admitted to respective M. Tech programmes of this university.
- The financial aid is also available to girls-topper students on this university.
- Financial aid is also available to sportspersons representing this university to national and international level.
- For SC/BC candidates of Haryana, price of the University Prospectus and the Application Fee is $1/4^{th}$ of the price/ fee fixed for General and other categories.
- SC candidates, seeking admission to courses except M.Tech., M.Pharm. and Master of Physiotherapy should have obtained pass marks in the qualifying examination.
- The reservation to SC, BC and other categories will be admissible as per reservation policy of the State Govt.
- The following type of scholarships are granted to the SC and BC candidates under the Schemes of Govt. of India/ State Govt.

    (i)   Post Matric Scholarship to SC/ST students, Govt. of India Scheme.

    (ii)   Stipend to B.C. students under State Harijan Welfare Scheme.

    (iii) Financial help to purchase books etc. from District Welfare Office.

31. Activities and support from the Alumni Association

- Several departments like Haryana School of Business, Bio-Nano Science, Pharmaceutical Science, Environment Science & Engg, and Computer Science & Engg frequently organize the Alumni Meet on the campus where good numbers of students assemble and interact with their juniors for guiding them for future.
- The University Computer and Information Centre has created a link on the website of the university so that all alumni can register themselves for regular interaction purpose.
- The alumni of this university support their juniors in training and placement activities.

32. Activities and support from the Parent-Teacher Association

- Several departments like Advertising and Public Relations, Communication and technology, Haryana School of Business, Bio-Nano Science, quite off and on conduct parent teachers meeting so as to assess the progress of students under intimation to their parents.

33. Health services

- It is a primary health care centre to cater the medical needs of University Staff and students. The Health Centre building is situated near the Girls Hostels and residences of employees to provide an easy access to all concerned. It is spacious enough to accommodate 2 doctors' cabins, a dispensing room, a laboratory, a medicine store, a minor O.T. and an observation room with 3 beds facility.

- Apart from the above, the University has tied up with Insurance Company to provide `Student Safety Insurance Policy' against the nominal annual premium by the Students.

- Almost all medicines and major regular testing services are available in the University health Centre for students and staff of the university.

- Department of Physiotherapy also offers its OPD facility to patients and the same is optimally utilized by the students and staff-members on the campus.

- Various Facilities at Health Centre: Medical Aid to all common ailments with routine blood tests like hemogram, blood sugar, S. Cholesterol, S. bilirubin, Urine Test, Stool Test etc. First Aid to all the accident cases. Preliminary care to all major diseases. 24 hours Ambulance Service for transporting the referred patients.

- Free Medicines to all the employees and their wards and students with a handsome budget. For referral two multi-specialty hospitals are on University panel i.e. N.C. Jindal Institute of Medical Care & Research, Hisar and Civil Hospital, Hisar and nine empanelment of the doctors at Hisar like Orthopaedician, Physicians, Surgeon, Pediatrician, Ophthalmologist, Gynecologist, Urologist, Burn/ Plastic Surgeon and ENT to provide referral medical facility, in their respective field/ specialization, to the University employees and their dependents for treatment as Indoor patients in their hospitals.

- The medical reimbursement for indoor treatment from the above doctors will be admissible in accordance with the rates equal to PGIMER, Chandigarh. It will be applicable in case of NC Jindal Hospital, Hisar also. There will be no reimbursement of the amount over and above the rates of the PGIMER, Chandigarh.

34. Performance in sports activities

- Sports activities are integral part of curriculum in this university and most of the grounds with modern facilities are available on the campus.

- 7th National Level Sports Fest. (FROLIC-09) date 27th to 29th March, 2009 venue of BRCM CET Bahal (Bhiwani), 3rd position in Basketball (M)

- Sh. Brij Lal, Lab Attendant cum cleaner, Dept. of CMT 30th master National Athletics Championship held from 19.03.2009 to 22.3.2009 at Giri Centre HAU, Hisar and secured 2nd position (Silver Medal in long jump event.)

- Sh. S.B. Luthra, Asstt. Director-cum-Coach, participated in the selection of Haryana Veteran Athletics Team MDU Rohtak on 14.12.2008. He was selected National Veteran Athletics Championship, in Lucknow from 12th to 15th Feb., 2009.

- The Directorate of Sports keeps sending teams of different games in competition including inter university and national competition.

35. Incentives to outstanding sportspersons

- The university has constituted different incentive schemes including cash prizes and any sportsperson representing the university in various level of competition is entitled to such incentives as per the level of competition.

36. Student achievements and awards

- The students passing out from this university have fairy represented this institution with a gainful employment in different leading organizations within and outside the country.

- The alumni of the university are seen in administrative services, defense forces, industry, entrepreneurship, consultancy and research organizations.

- The research, scholarship and creative work differentiate universities from all other educational institutions. The ideas, discoveries and innovations emanating from universities profoundly affect the social, cultural and economic well-being of our society.

- Several scholarships are made available including CV Raman fellowship to the meritorious students those joining research in the university.

37. Activities of the Guidance and Counseling unit

- Students are guided for personality development at departmental level and common facility in several departments like Haryana School of Business, Bio-Nano Science, Pharmaceutical Science, Environment Science & Engg, and Computer Science & Engg

- Directorate of distance education has put in place a system where all inquiries are attended and guidance is provided at enquiry counter.

- Centre For Behavioral Research & Intervention is there to take care of psychological well being of students and to develop the positive attitude among youth particularly the students. The Centre (CBRI) has been involved in providing psychological counseling to students, patients. Career counseling, personality development, awareness programme, community intervention programme, conducting workshops and seminars on psycho-social problems are some of the major objectives of the centre.

- The centre is also working on sponsored research projects in the field of behaviour modification, HIV /AIDS, Violence etc. Psychological Testing has been the integral part of centre covering personality, ability, aptitude and assessment of mental health. The centre has been providing all the services to the students as well as referral cases free of cost throughout the year.

38. Placement services provided to students

- A Training and Placement Cell, at university level, has been set up in the University to keep a constant liaison with the potential employers/industries and provide necessary guidance to the students. The Cell works for the students to arrange industrial summer training that helps them get placements towards the completion of their courses.

- The Training & Placement Cell takes care of training and campus placements for the students. The Cell is equipped with appropriate infrastructure to execute the placement process. Arrangements for Pre-Placement talks, written tests, group discussions, interviews etc. are handled by the staff at the office in coordination with the respective departments.

- The Placement activities are handled by the Placement Cell, which includes final year students from different departments under the guidance of Training and Placement Officer. Training and Placement Cell keeps liaison with the potential industries and provides necessary guidance to the students.

- The Cell facilitates arranging on-campus placements of students in various industries, makes arrangements for students to participate in off-campus drives organized at various institutions/ industries.   The University has recently established a placement

office at Gurgaon also for coordinating placement activities and mobilizing the companies from NCR etc.

- The Cell acts as an effective medium to promote the University ties with the Industry with a view to providing placement of students.

- The University has established Industry Institute Partnership Cell (IIPC) with the support of All India Council for Technical Education.

- A separate Training and Placement Cell is working at Haryana School of Business with full-time Training and Placement Officer.

- The overall placement scenario is quite encouraging and getting momentum with time.

39. Development programmes for non-teaching staff

- Dept. of Advertising Management and Public Relations organized video production and photography workshop for Lab. Attendant and students.

- Dept. of Computer Science and Engg organized a Skill up gradation workshop for teaching and non teaching staff

- The Academic Staff College organized two skill up gradation programme for non-teaching staff of this university during this year.

40. Good practices of the institution

- On an average a faculty member devotes 42 hours in a week towards studies, research and other administrative work and departments remain open from 09:00 a.m. to 05:00 p.m. for six days in a week.

- The teachers remain available during this period in the respective departments. All the teaching staff is well connected with administration through Internet and Intercom.

- Remedial courses and bridge courses are organized wherever required to cover up the deficiencies of the weaker students.

- The total number of students in regular courses is over 4000 and the student teacher ratio is about 1:14.

- There is a system of Self Appraisal Report (SAR) for teaching staff. The SAR Proforma has been devised on the basis of specimen Proforma developed by the UGC and is filled up by every teacher at the end of each academic year.

- Assessment of faculty performance by students is being implemented in all M Tech Programmes covered under TEQIP funding of World Bank

- In the other departments such feedback is taken informally. The faculty members contribute their services in examination duties, admission duties and other administrative responsibilities as assigned from time to time.

- All the academic programmes offered by the University are technical and job oriented. The courses have been specified and approved by the State Govt. and regulatory bodies including UGC, AICTE, Pharmacy Council, Physiotherapy Council, DBT, DEC, etc. All the eligible technical courses have been accredited by NBA also. The teaching and non-teaching posts are sanctioned and funded by the State Govt. The procedure for selection of teachers is according to the UGC guidelines incorporated in the University Act.

- The concept of self financing courses in the University is to have a different fee structure for such courses in order to be self sustainable without compromising on quality. From the point of view of employment of teaching and non-teaching staff there is no difference as regards their service conditions.

- All the regular courses offered are inter-disciplinary/multi-disciplinary in the sense that studies in Communication Skills, Computer Applications and Management Concepts besides one open elective are compulsory for every student in the University.

- Industry representatives in each BOS. The courses for B.Tech. programmes have been revised by the State Level Committee where representatives from Industry, Chamber of Commerce and subject experts participated. The model curriculum received from the UGC and AICTE have also been considered by the respective departments.

- A minimum eligibility criterion is prescribed for each course and the same is published in the Prospectus each year. For admission to M. Pharm. and M. Tech. programmes preference is given to candidates with valid GATE score. The admission of foreign students is made on academic merit basis.

- There is a provision of course coordinators who is responsible for conduct of the course and solve students' problems. Remedial Coaching Centre has been established with assistance from the UGC. Bridge courses are offered at departmental level.

- The faculty remains available in the department from 09:00 a.m. to 05:00 p.m. The teaching workload is as per UGC norms. The extra time available is utilized for research work and administrative work assigned to them.

- The University has introduced Credit Based System for students' evaluation. The CBS provides for flexibility and continuous evaluation in learning process and it has been established on the pattern of IITs and IIMs. Industry training is an integral part of course curriculum in each program. The teaching of basic courses in communication

skills, computer applications, management concepts besides environment awareness and ethics is also a part of each program.

- The University has decided to allocate at least 10 percent of the university budget for R&D activities. Further, Several senior faculty members are acting as reviewers/guest editors for international journals and members of editorial boards of national and international journals.

- Research is an emerging area of strength in the University. There are a large number of sponsored major research projects with the faculty. The faculty has contributed more that thousand research publications in reputed journals during the post accreditation period. The Department of Food Technology has developed four patentable technologies in the area of food grains. The consultancy and extension activities are picking up. The establishment of Knowledge Park will boast these areas.

- Several MoUs signed with different institutions especially with University of Manitoba, Canada and University of Maryland, USA for academic exchange programmes. Signing of MoUs with BARC, Mumbai and TCG Life Sciences, Kolkata for research collaboration are adding to its research value.

41. Linkages developed with National/ International, academic/research bodies

- The University has entered into several MOUs with different organizations/institutions for collaborative research and development in mutually agreed areas of academics.

42. Action Taken Report on the AQAR of the previous year

- Budget provisions were increased for labs and equipments
- Teaching and other supporting staff was recruited as desired.
- Visiting and adjunct faculty was appointed for specialized areas as per requirement.

43. Any other relevant information

- The Central Instrumentation Laboratory (CIL) is established for the students, research scholars and teachers of the university who are actively engaged in R&D activities in the emerging areas of Science, Technology & Engineering.

- The CIL is presently having sophisticated instruments like High Performance Liquid Chromatography (HPLC), Atomic Absorption Spectrophotometer (AAS), UV-VIS-NIR-

Spectrophotometer, Differential Scanning Calorimeter, Lyophilizer and FT-IR Spectrometer.

- The process for procurement of LC-MS, HPTLC and Spectroflurimeter is in progress. These instruments are of multidisciplinary utility. These instruments are generally used to pursue R&D activities by the students of Department of Bio & Nanotechnology, Food Technology, Pharmaceutical Science, Physics, Environmental Science & Engineering and Chemistry.

- The University has constituted the Business Development Group (BDG). The BDG has been mandated to foster closer ties with the Corporate World, Industry Association, Government agencies, Multi-lateral bodies and others for the purpose of soliciting consultancy assignments, collaborative research projects, and establishment of study chair in the University and placement activities of the students.

- The University has established a separate Cell for the purpose of Documentation and Commercialization of Research. The Cell is named as "Intellectual Property Rights & Technology Commercialization Cell".

- The very purpose of creating this Cell is to ensure the `Commercial Use' of University's In-house Research and Technology-Outcomes to outside world. The Cell is expected to transfer University's intellectual property rights to needy organizations to promote active commercialization of University's inventions through a well-designed policy of the University in this connection.

Section C

Outcomes Achieved by the End of the Academic Year

- The university has sincerely attempted to achieve all planned activities and as an outcome of the same the University was accredited as 'Grade-A' by NAAC in 2009.

- Being technical university and already 'Grade-A' by NACC, the university always attempts to keep its benchmarks very high. For example, the Pre-PhD courses and mandatory condition of research paper publication was already in practice in this university when the same was adopted by the UGC for national level.

Section D

Plans of the University for the Next Academic Year

- To develop collaborative academic and research programmes with national and international institutions and industries by increasing the existing sphere of collaboration with industries and educational organizations.
- To organize international conferences along with National level Seminars/ workshops/Symposium
- To introduce new courses under various Faculties under credit based system
- E-Library, Library Automation, Library networking
- Revised Web designing and Virtual Library, Digital Library
- Computerization of other offices and branches.
- Data base preparation for Advance Study in Technical Education
- To strengthen the physical infrastructural facilities
- To encourage community and social participation
- Workshops/Seminars by IQAC on Best Practice Promotion.
- Performances related to sports especially indoor and outdoor games.
- Cleanliness and immunization drive in surrounding areas.
- To enhance resource mobilization through involving with philanthropists, alumni and industries in research activities
- To activate community development programmes of the society by exposing the students to various problems faced by society
- To attract NRI and foreign students for admission in to the University, to secure recognition at the global level

(Dr. M L Ranga)
Chairperson, IQAC

(Prof. Karam Pal Narwal)
Director, IQAC

The Annual Quality Assurance Report (AQAR)
For
Academic Session: 2010-2011

Submitted to
The Adviser
National Assessment and Accreditation Council
P. O. Box No. 1075
Nagarbhavi, Bangalore -560072

Submitted By
Director, Internal Quality Assurance Cell (IQAC)
Guru Jambheshwar University Of Science and Technology, Hisar 125001 (Haryana)

Visit us at: www.gjust.ac.in

Name of the Institution :   **Guru Jambheshwar University of Science and Technology, Hisar 125001 (Haryana) INDIA**
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Year of Report   :   Academic Session 2010-2011

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Section-A

Plan of actions as chalked out by the IQAC in the beginning of the year towards Internal Quality Enhancement. The overall plan of actions for enhancement of the internal quality during 2010-2011 is mentioned below:

- To develop GJUS&T, Hisar as a centre of excellence for quality teaching and consultative research to produce Competent technocrats and a knowledge power house capable to support the growth of economy and welfare of society.

- To devise the process of dissemination of all relevant information to all stakeholders for sensitizing them on the various quality parameters of higher & technical education.

- To encourage faculty members to generate resource by way of submitting research projects and undertaking consultancy and extension activities and also to encourage faculty members to publish their research in high quality research Journals of international and national repute.

- To enhance students amenities and facilities and to encourage students to involve in NSS and other social and community activities.

- To enhance the overall research-based H-Index of the university.

- To further explore the possibilities of research sharing and networking with other institutions in India and abroad.

- To improve the quality of teaching, research and examination. This involves filling up of the available position, improvement of infrastructure, including construction of building, enhancing laboratory facilities and introduction of credit based system of continuous assessment at least in some departments, maintaining the academic calendar and publishing result in time.

- To initiate the process of construction of new buildings other required physical infrastructure.

- To introduce new programmes in the emerging frontiers of science, technology, environment, pharmaceutical and business management.

- To modernize library facilities and to spend more money for purchase of new books and journals including e-data bases.

- To note the feedback of NAAC on Annual Quality Assurance Report (AQAR) for suggesting further necessary action required for various quality parameters of higher and technical education.
- To upgrade information technology base and computerization of different departments and branches/offices.
- To work out the acceptable mechanism for ensuring timely, efficient and periodic-progressive performance of academic, administrative, research and extension activities on regular basis.

Section B

1. Activities specially reflecting goals and objectives of institution

- Academic Staff College conducted a number of refresher and orientation programmes on the campus of this university for teachers training especially in the field of science and technology.
- All programmes run under distance education mode were granted approval and recognition by Distance Education Council, New Delhi.
- Annual conference, Alumni Meet, Workshop and refresher course were conducted and scheduled.
- Department of Pharmaceutical Science conducted extension lecture series for faculty, scholar and students.
- Department of Printing Tech, Computer Science, Environment Science & Engg organized national conference in contemporary issues in respective fields.
- Haryana School of Business organized its Annual national Conference on Business and Management and also National Workshop on Business Research Methods.
- Information provided to Director Technical Education, Chandigarh Regarding Result and Placement for the year.
- Information provided to District Statistical Officer to prepare the State Income Estimation of 2010-11.

- Information provided to NUEP&A, New Delhi to prepare the University Data for Higher Education like basic information , details of institutions attached with the University, details of faculty/department wise courses offered by the University, staff information teaching and non-teaching staff, Number of students enrolled in the University, Examination Result, Financial information, infrastructural related data.

- Information provided to Technical Education Haryana to prepare the data for the State Universities (list of Deptt., Placement and Result last 3 years, teaching and non-teaching posts with pay scale , list of affiliated college, tuition fee of various course, teacher only for management, fee charged form affiliated colleges.

- Institution interaction and relations with leading media organizations for our faculty and students were organized.

- New programmes like M Com, MTech (Geoinformatics), MSc (Ind. Microbiology), M. PTH (Neurological Disorder)) and some other PG Diploma programmes were introduced.

- Syllabi of all MSc programmes and MTech programmes was revised keeping in mind the model syllabi of UGC/AICTE as benchmark.

- The university continued to replace traditional tube lights with CFL tubes and bulbs for energy saving purpose.

- The university successfully organized Inter Zonal University Tennis Championship.

- The whole campus was connected with advanced Wi-Fi Internet system by the Campus-wide networking Cell of the university.

- Training and placement cell for engineering students was strengthened.

2.   New academic programmes initiated (UG and PG)

- MSc (Microbiology) programme

- M Com programme

- MSc (Maths) through DDE

- PG Diploma in Environmental Management through DDE

- PG Diploma in Industrial Safety Management through DDE

- P.G. Diploma in Export Import Management through DDE

- P.G. Diploma in Retail Management through DDE

- P.G. Diploma in Hospital Management through DDE

- P.G. Diploma in Tourism and Hospitality Management through DDE

3. Innovations in curricular design and operation

- Course curriculum of Pre-PhD programmes in different disciplines was revised again in the light of latest UGC Regulations for PhD programme.
- Curriculum of all MSc programmes was revised in consultation with industry representatives.
- Curriculum of new courses adopted as per UGC/AICTE/PHI/Govt. guidelines.

4. Inter-disciplinary programmes started

- Attempted to facilitate and promote studies, research and consultancy in emerging areas of higher   education with focus on new frontiers of Technology, Pharmacy.
- Haryana School of Business, Department of Computer science and Engg and Department of Advertising and Public Relations offered open elective courses for different programmes.
- Department of Bio Nano Science started MSc (Microbiology) as inter-disciplinary programme.

5.   Examination reforms implemented

- CCTV Cameras were augmented in different branches to oversee the working of staff involved with a view to enhance efficiency and transparency.

- Electronic Date Centre was further strengthened for scanning the results sheets in-time.

- Entry of electronic gadgets, bags, mobiles, etc banned during all examinations including sessionals internals

- Spot evaluation system was implemented to declare the results in-time.

- The Credit based System (CBS) was revised on the pattern of IIT, New Delhi.

6.   Candidates qualified: NET/SLET/GATE etc.

- In total , 86 candidates have qualified NET/SLET/GATE/etc.

7.   Initiative towards faculty development programmes

- The University also arranges campus interviews. Workshops, Seminars and symposia are conducted regularly. Emphasis is laid on both theoretical and practical training for exposing students to the latest developments in the various areas of Science and technology.

- The functions of ASC in the university are to plan, organize, implement, monitor and evaluate orientation courses for newly appointed college/university teachers. The ASC also organize refresher courses for serving teachers, and orientation programmes for senior administrators and heads of departments, principals, officers, etc.

- Three Refreshers, three Workshops and two Orientation Programmes were conducted by the Academic Staff College of this university.

- Programmes for students at Ph.D./post-doctoral levels from CSA/DSA/SAP departments are also organized by the ASC. The ASC also conduct short term courses of about one week duration in various fields for the professional development of senior faculty, and also the capability enhancement programmes for non academic staff so as to strengthen the teaching-learning environment. As a whole, the ASC of the university will endeavors to cater to the needs of teachers and academic administrators,

- More than thirty teachers attended conferences/seminars in addition to several campus conference/seminars being attended on the campus during the year.

- Five teachers were allowed to take training under Radio Ecology Centre of the university.

- Directorate of distance education conducted workshop on lesson writing skills for all coordinators/teachers engaged in different programme being run under DDE.

- All teachers whose refresher or orientation programme are due allowed to attend the same by the authorities.

8. Total number of seminars/workshops conducted

- In total 14 conference/seminars/workshops were conducted on the campus.

9. Research projects: a) Ongoing; and b) Completed

- In total, 52 projects are on-going and 11 research projects were completed.

10. Patents generated, if any

- Three patents were under process during this session.
- The university notified and implemented its IPR Policy.

11. New collaborative research programmes

The University has already signed MoUs with the following Indian Organizations for the purpose mentioned against their names:

- With University of Manitoba for Educational & Academic Exchange Programmes
- With University of Maryland for Joint Academic and Research Programmes
- With George Washington University for Promotion of Research & Extensions in Bio-Sc.
- With TCG Life Sciences, Kolkata for Collaborative Research Programmes
- With BARC, BRNS and NPCIL, Mumbai for Establishment of Centre for Radio-Ecology
- With ICAI, New Delhi for Credit Transfer among CA/ MBA/ Students
- With Venus Medical Research Centre for Collaborative Research Programme
- With HARSAC, Hisar for Collaborative M.Tech. Geo-info and Research programme
- With CPB, Hisar for Collaborative Research & Training Program.

12. Research grants received from various agencies

- Rs. 4, 07, 00, 000 was received from different research funding agencies.

13. Details of research scholars

- Total 282 research scholars were on rolls including 59 JRFs during this session.

14. Citation index of faculty members and impact factor

- The university Citation H-Index is 35 and more than 35 teachers have their citation H-Index 5 or more during this session.

15. Honors/Awards to the faculty: National and International

- Prof. B S Khatkar has been empanelled asr Review Member of Scientific Foreign Journals such as Journal of Cereal Sci., JSFA, Journal Food Engg, Journal Agri Food Chem this year.
- Prof. Narsi Ram Bishnoi was conferred woth Rashtiya Gaurrav Award from India International Friendship Society in 2010.
- Dr. V K Garg was given an Outstanding Reviewer Award, 2010 By Elsevier (International)
- Dr. V K Garg was nominated as Guest Editor for special Issue on Solid Waste Management in World Reviews in Science, Technology and Sustainable Development 2010 (Inderscience Publishers, International)
- Dr. Dalbir Singh Chaired a Technical Session/Track at IIM-Kolkata in its 2nd International Conference during this year.

16. Internal resources generated

- In total, a sum of Rs. 42, 41, 26, 169 were generated from internal sources this year.

17. Details of departments continuously getting assistance/recognition under SAP, COSIST (ASSIST)/DST, FIST, and other programmes

- Department of Bio-Nano Science   : SAP DRS-I
- Department of Chemistry & Physics   : DST-FIST
- Department of Communication and Management   : SAP DRS-I
- Department of Computer Science & Engg   : SAP DRS-I
- Department of Environment Sc & Engg   : SAP DRS-II
- Department of Mathematics   : SAP DRS-I
- Department of Physics   : SAP DRS-I
- Haryana School of Business   : SAP DRS-II
- Directorate of Distance Education   : DEC-Grants

18. Community services

- A group discussion activity was organized on 19-11-2010 to mark Kaumi Ekta Week. NSS volunteers were divided into groups and they were motivated to initiate a healthy discussion on maintenance of harmony and further strengthening of bonds among people of different religions in the country.

- A Help line has been initiated by the National Service Scheme (NSS) unit of the university from 01-07-10 to 30-07-10 to provide the information and assistance to the students aspiring to take admission in the university along with Help Desk.

- A pledge to fight against terrorism was taken by the students of GJUS&T on the occasion of anti-terrorism day in remembrance of death anniversary of former Prime Minister of India Mr. Rajiv Gandhi. The Day is observed to generate awareness in the country among all sections of people, about the danger of terrorism, violence and its dangerous effect on the people, the society and the country as a whole.

- A signature campaign against Terrorism was organized in the University Campus on 26.11.2010. University students participated in this campaign and showed their solidarity in fighting against terrorism. The students also penned down their messages and slogans along with their signatures

- Dept. of Advertising Management and Public Relations organized a Voting Awareness Campaign amongst the residents of Hisar and around.

- Dept. of Bio-Medical Engg Provided services as Facilitator-cum-Evaluator in CAPART

- Dept. of Pharmaceutical Science organized a General Awareness of Pharmacy during National Pharmacy Week, Nov. 2010.

- In the remembrance of Guru Jambheshwar Ji Maharaj, a great environmentalist of the 15th century "Plantation Day" was successfully organized by the NSS unit of the university.

- NSS unit of GJUS&T organized a patriotic cultural programme based on communal harmony to celebrate the Flag Day.

- Dr. Rajiv Kumar Co-PI of Radio-ecology Centre, GJUS&T contributed in demographic study of the nuclear power projects at Gorakpur, Fatiabad

- NSS volunteers visited slums in sector-14 Hisar and made an effort in motivating the children and parents about benefits of education. A sincere effort was made to create awareness about hygiene, literacy and policies of Govt. for slum children by the NSS volunteers.

- NSS wing of the university organized a State Level Exhibition on World AIDS Day "Youth Voice on HIV/AIDS Free India"

- On the occasion of World AIDS Day (01-12-2010) NSS lunched the Red Ribbon campaign with the objective to create awareness and sensitivity among students, faculty members and general public about the fatal disease and its prevention.

- The Centre (CBRI) has been involved in providing psychological counseling to students, patients. Career counseling, personality development, awareness programme, community intervention programme, conducting workshops and seminars on psycho-social problems are some of the major objectives of the centre.

- The centre is also working on sponsored research projects in the field of behaviour modification, HIV /AIDS, Violence etc. Psychological Testing has been the integral part of centre covering personality, ability, aptitude and assessment of mental health. The centre has been providing all the services to the students as well as referral cases free of cost throughout the year.

19. Personnel and recruitment by the university

- Teaching staff: 151 out of 276 posts filled on regular basis and other more than 110 post were filled on contractual basis.
- Officers: 21 out of 31 posts filled
- Other non-teaching staff: 486 out of 661 posts filled

20. Teaching – Non-teaching staff ratio

- The Teaching-Non-teaching ration is appr 1: 2.4 on sanctioned basis.

21. Improvements in the library services

- Using the Integrated Software Libsys: the complete database of Library, holdings of books and Library membership has been created. By using LS Digital Software-an add on software to LibSys, the Library has created its institutional repository.

- Using the Integrated Library Computer Software Libsys:, the complete database of Library holdings of books, Library membership including students, University officers, faculty members, research scholars and non-teaching staff has been created. The Bar Coded Library Identify Cards are issued to all categories of members for borrowing facility. The Library provides On Line Public Access Catalogue (OPAC) facility to the readers to search and know the status of the reading material available in the Library. On this system, books on demand are reserved for the students and follow up action by generating letters and sending to the students is taken promptly.

- The University Library subscribed Emerald Management Xtra -175, an online database of 175 electronic journals w.e.f. January 2010. The University Library also subscribed an on-line database "PROWESS", a product of Centre for Monitoring Indian Economy (CMIE).

- The University Library is in the process of creation of Digital Library using LS Digital Software- an add on to integrated library software LibSys. At present, the theses, professional training reports submitted in the University are being digitized. Users can view the availability of reading material in the library in print as well as electronic format on OPAC. The full text material in electronic format is attached with the bibliographical details and with a single click; the users can view the whole document on the screen.

- The University Library is centrally located in a circular designed three storied building. The Library has two Reading Halls with a total capacity of 250 seats.

- The University Library has added 6743 books to its existing collection of 73732 books during the financial year 2010-2011 and now the library has a collection of

80475 and 4175 bound volumes of journals. The Library has processed the subscription of 180 Indian Journals, 64 Magazines and 20 Newspapers.

- The photocopy services facility is being provided in the Library through a Commercial private vendor on University approved rates.

- The Library provides Books Bank facility to the Undergraduate and SC/ST students of Postgraduate courses of the University. Under the Book Bank Scheme 448 books were issued to the students on semester basis.

- The Library is member of the American Library, New Delhi. An Internet Lab of 22 Laptops has been established for SC/ST Students. The University Library enrolled 4913 members during the current year and recorded 28068 visitors during the period.

- The Library is a member of the American Library, New Delhi. All the students and faculty of our University are entitled to borrow books from the American Library. Members need to get the Library Card of the American Library from the University Library to borrow the books from American Library, New Delhi.

- The Library has the access to more than 6000 e-journals of 17 publishers through INFONET & INDEST Consortium. The University Library subscribed Emerald Management Xtra-175, an online database of 175 electronic journals for the period January to December 2010.

- The Library functions in two shifts from 9.30 a.m. to 7.00 p.m. and remains open on Saturdays and Sundays. During examination days, Night Reading Hall remains open round the clock.

- The access to "5930 electronic journals of 14 publishers, 7 databases and JCCC portal" is provided through INFONET Consortium of INFLIBNET- an organ of UGC. The IEL service is also provided through INDEST Consortium of AICTE vide which the access to the electronic journals of IEEE is provided. The access to the electronic journals and databases is provided in the University Computer Information Centre (UCIC) located in the University Library and in the Departments through Campus Wide Network for use by the Faculty and the Students.

- During the period of January to December, 2010, total issues for home lending were 85811 books (Average issues 300 books per day) and total 135632 books were consulted (average 407 books per day) by the members of the Library.

22. New books/journals subscribed and their value

- The library has undertaken subscription of 151 Indian Journals in the year 2010. The Journals already subscribed in the Library were reviewed keeping in view their utilization pattern. The Library subscribes 61 magazines and 20 newspapers to cater to the general information needs of the University.

- The amount includes the grants received from funding agencies like University Grants Commission, DBT, DST, NBHM etc.. All the grants received from these agencies were fully utilized. The Library at present has a total collection of 76863 books of 48994 titles.

- The access to the electronic journals and databases is provided in the University Computer Information Centre (UCIC) located in the University Library and in the Departments through Campus Wide Network for use by the Faculty and the Students. The Library has 4175 bound back volumes of journals.

- The access to "5930 electronic journals of 14 publishers, 7 databases and JCCC portal" is provided through INFONET Consortium of INFLIBNET- an organ of UGC. The IEL service is also provided through INDEST Consortium of AICTE vide which the access to the electronic journals of IEEE is provided.

- During the year, an amount of Rs. 54, 25,004/- was spent on purchase of books and 6743 books of 3356 titles were added to the existing stock of books.

23. Courses in which student assessment of teachers is introduced

- The feedback was conveyed to teachers for betterment in their pedagogy and interaction within and outside the classrooms.

- The students' assessment of teachers was continued in the Dept. of Communication and Management, Dept. of Electronic and Communication Engg, Dept. of Advertising and Public Relations and Haryana School of Business during this session.

24. Feedback from different stakeholders

- In every Board of Studies, there are industry representative so that their regular feedback may be taken on the curriculum and syllabi being taught on the campus.

- The BDG keep receiving feedback from industry and other stakeholders and the same are immediately disseminated to quarter concerned for corrective actions if needed.

- The University has constituted the Business Development Group (BDG). The BDG has been mandated to foster closer ties with the Corporate World, Industry Association, Government agencies, Multi-lateral bodies and others for the purpose of soliciting consultancy assignments, collaborative research projects, and establishment of study chair in the University and placement activities of the students.

25. Unit cost of education

- The unit cost of education during this year is Rs. 74, 707/- only.
- The unit cost of distance education during this year is Rs. 1,740/- only.

26. Computerization of administration and the process of admissions and examination results, issue of certificates

- Admissions to all B. Tech. Programmes are done on-line and Registration & Fee records of all the students are kept on-line.

- Advances in ICT (Information & Communication Technologies) have been accelerating at an unparallel pace in history. Many breakthroughs can be described as revolutionary. More and more, communication networks based on modern telecommunication technology are allowing all forms of information, whether voice, data, text or video to be exchanged to and from anywhere and at any time.

- Electronic Data Centre has been created in the examination branch of the university that cater the ICT requirement of conduct of exam to declaration of results.

- In order to cater all such needs of Information & Communication Technologies for students, staff and faculty of university, Networking Cell has been set up in the university. At present all the teaching departments, hostels (common room), administrative blocks and other offices have been connected with a combination of wired and wireless network.

- The internet connectivity has been provided through 10 Mbps leased line free of cost to faculty, staff and students of university for 24 hours. Each faculty, staff and students of University is provided E-mail address on internal mail server of University. The network has been empowered through high capacity and secured active and passive components.

- The website of the University has been indigenously designed and is being maintained by the Computer Centre. The site is continuously updated to cover all day-to-day activities. The information regarding the University can be load from the University website www.gjust.ac.in

- UCIC has again given a new look to the University website in year 2010. It has added some online dynamic features like Online Alumni Registration. Online Employees Salary Statements and Online Support to Directorate of Distance Education etc.

27. Increase in the infrastructural facilities

- More than 300 new computers were purchased and installed in labs.

- Necessary equipments were purchased and installed in different labs.

- Construction of 60 MTH Houses completed this year.

- Renovation of Labs in faculty of Engg and technology completed this year.

- Repair of Campus Boundary Wall completed this year.

- Sports ground completely resurfaced and developed for cricket.

- The Horticulture Department continued the initiates the 'Green Zone' programme.

28. Technology up gradation

- Department of Advertising and Public Relations added new software on designing and animation technology.

- Department of Communication and Management upgraded its equipments and softwares during this year.

- Department of Electronic and Communication Engg added modern lab.

- Haryana School of Business added new DLPs, Visualizers and E-Data base this year.

- The UCIC also continued to house two full-fledged Language Laboratory in year 2010. The lab has a Clarity Infinity Software, which offers a variety of functions such as Recording, High Speed Copying, Test Preparation, Intercom, Student Monitoring, Teacher/Student Call, Group Conferencing, etc. The main console is connected to 24 listening booths which have been specially designed for student-teacher interaction and greater concentration for language learning.

- The UCIC has also installed the EDUSAT (the Education Satellite) facility, a powerful communication tool for emulating virtual classroom in an effective manner. This facility is very helpful to faculty members to prepare computer aided teaching/learning materials for quality education. The same satellite transmission facility is also provided to the students to attend lecturers and obtain study material from transmission sites like IGNOU, UGC, CEIT, CEC & AICTE.

- UCIC is maintaining a software development cell. The objective of the cell is to design new application software and support for existing software of various branches/departments.

29. Computer and internet access and training to teachers, non-teaching staff and students

- 10 Mbps Leased Line through BSNL under UGC INFONET Programme is available and the same is like to go up in near future.

- Computer and Internet access is available to each and every student, scholar, staff and teacher of this university.

- In addition to above, there is Campus-wide networking Cell that provides Internet access throughout the campus through Wi-Fi system.

- The University Computer and Information Centre keep conducting necessary training of all users as and when some technological changes are implemented in the system.

30. Financial aid to students

- Financial aid is available to all SC/ST students under different government schemes.

- AICTE scholarship is available to all valid GATE/GPAT scorer who are admitted to respective M. Tech programmes of this university.

- The financial aid is also available to girls-topper students on this university.

- Financial aid is also available to sportspersons representing this university to national and international level.

- For SC/BC candidates of Haryana, price of the University Prospectus and the Application Fee is 1/4th of the price/ fee fixed for General and other categories.

- SC candidates, seeking admission to courses except M.Tech., M.Pharm. and Master of Physiotherapy should have obtained pass marks in the qualifying examination.

- The reservation to SC, BC and other categories will be admissible as per reservation policy of the State Govt.

- The following type of scholarships are granted to the SC and BC candidates under the Schemes of Govt. of India/ State Govt.

(iv)   Post Matric Scholarship to SC/ST students, Govt. of India Scheme.

(v)   Stipend to B.C. students under State Harijan Welfare Scheme.

(vi)   Financial help to purchase books etc. from District Welfare Office.

- The office of the Dean Students' Welfare provides following facilities and opportunities to the students:-
    - Concessional Railway Pass facility.
    - Organization of Educational and Industrial Tours to different places.
    - `Earn While You Learn' Scheme.
    - Organization of Cultural Activities
    - Financial Aid to the needy students.
    - Group Insurance Scheme.

31. Activities and support from the Alumni Association

- The University Computer and Information Centre has created a link on the website of the university so that all alumni can register themselves for regular interaction purpose.

- The alumni of this university support their juniors in training and placement activities.

- Several departments like Haryana School of Business, Bio-Nano Science, Pharmaceutical Science, Environment Science & Engg, and Computer Science & Engg frequently organize the Alumni Meet on the campus where good numbers of students assemble and interact with their juniors for guiding them for future.

32. Activities and support from the Parent-Teacher Association

- Several departments like Computer Science and Engg, Advertising and Public Relations, Communication and technology, Haryana School of Business, Bio-Nano Science, quite off and on conduct parent teachers meeting so as to assess the progress of students under intimation to their parents.

33. Health services

- Various Facilities at Health Centre: Medical Aid to all common ailments with routine blood tests like hemogram, blood sugar, S. Cholesterol, S. bilirubin, Urine Test, Stool Test etc. First Aid to all the accident cases. Preliminary care to all major diseases. 24 hours Ambulance Service for transporting the referred patients.

- The medical reimbursement for indoor treatment from the above doctors will be admissible in accordance with the rates equal to PGIMER, Chandigarh. It will be applicable in case of NC Jindal Hospital, Hisar also. There will be no reimbursement of the amount over and above the rates of the PGIMER, Chandigarh.

- It is a primary health care centre to cater the medical needs of University Staff and students. The Health Centre building is situated near the Girls Hostels and residences of employees to provide an easy access to all concerned. It is spacious enough to accommodate 2 doctors' cabins, a dispensing room, a laboratory, a medicine store, a minor O.T. and an observation room with 3 beds facility.

- Free Medicines to all the employees and their wards and students with a handsome budget. For referral two multi-specialty hospitals are on University panel i.e. N.C. Jindal Institute of Medical Care & Research, Hisar and Civil Hospital, Hisar and nine empanelment of the doctors at Hisar like Orthopaedician, Physicians, Surgeon, Pediatrician, Ophthalmologist, Gynecologist, Urologist, Burn/ Plastic Surgeon and ENT to provide referral medical facility, in their respective field/ specialization, to the University employees and their dependents for treatment as Indoor patients in their hospitals.

- Department of Physiotherapy also offers its OPD facility to patients and the same is optimally utilized by the students and staff-members on the campus.

- Apart from the above, the University has tied up with Insurance Company to provide `Student Safety Insurance Policy' against the nominal annual premium by the Students.

- Almost all medicines and major regular testing services are available in the University health Centre for students and staff of the university.

34. Performance in sports activities

- Sports activities are integral part of curriculum in this university and most of the grounds with modern facilities are available on the campus.

- The Directorate of Sports keeps sending teams of different games in competition including inter university and national competition.

- Mr. Pardeep Nain, a student of GJUS&T, Hisar has represented the state in Indian Open National (M&W) Kickboxing Championship 2009-10, Visakhapattnam, AP from 6th to 10th January, 2010.

- A number of students participated in National sports meet.

- A number of students participated in Annual Athletic meet

- 8th(FROLIC-10) National Sports Fest. Date 26th to 28th March, 2010 in BRCM Bahal (Bhiwani) Ist in Football (M) and 3rd in Basketball (M)

35. Incentives to outstanding sportspersons

- The university has constituted different incentive schemes including cash prizes and any sportsperson representing the university in various level of competition is entitled to such incentives as per the level of competition.

36. Student achievements and awards

- Several scholarships are made available including CV Raman fellowship to the meritorious students those joining research in the university.

- The alumni of the university are seen in administrative services, defense forces, industry, entrepreneurship, consultancy and research organizations.

- The research, scholarship and creative work differentiate universities from all other educational institutions. The ideas, discoveries and innovations emanating from universities profoundly affect the social, cultural and economic well-being of our society.

- The students passing out from this university have fairy represented this institution with a gainful employment in different leading organizations within and outside the country.

37. Activities of the Guidance and Counseling unit

- Centre For Behavioral Research & Intervention is there to take care of psychological well being of students and to develop the positive attitude among youth particularly the students. The Centre (CBRI) has been involved in providing psychological counseling to students, patients. Career counseling, personality development, awareness programme, community intervention programme, conducting workshops and seminars on psycho-social problems are some of the major objectives of the centre.

- Directorate of distance education has put in place a system where all inquiries are attended and guidance is provided at enquiry counter.

- Students are guided for personality development at departmental level and common facility in several departments like Haryana School of Business, Bio-Nano Science, Pharmaceutical Science, Environment Science & Engg, and Computer Science & Engg

- The centre is also working on sponsored research projects in the field of behaviour modification, HIV /AIDS, Violence etc. Psychological Testing has been the integral part of centre covering personality, ability, aptitude and assessment of mental health. The centre has been providing all the services to the students as well as referral cases free of cost throughout the year.

38. Placement services provided to students

- A separate Training and Placement Cell is working at Haryana School of Business with full-time Training and Placement Officer.

- A Training and Placement Cell, at university level, has been set up in the University to keep a constant liaison with the potential employers/industries and provide necessary guidance to the students. The Cell works for the students to arrange industrial summer training that helps them get placements towards the completion of their courses.

- The Cell acts as an effective medium to promote the University ties with the Industry with a view to providing placement of students.

- The Cell facilitates arranging on-campus placements of students in various industries, makes arrangements for students to participate in off-campus drives organized at various institutions/ industries. The University has recently established a placement office at Gurgaon also for coordinating placement activities and mobilizing the companies from NCR etc.

- The overall placement scenario is quite encouraging and getting momentum with time.

- The Placement activities are handled by the Placement Cell, which includes final year students from different departments under the guidance of Training and Placement Officer. Training and Placement Cell keeps liaison with the potential industries and provides necessary guidance to the students.

- The Training & Placement Cell takes care of training and campus placements for the students. The Cell is equipped with appropriate infrastructure to execute the placement process. Arrangements for Pre-Placement talks, written tests, group discussions, interviews etc. are handled by the staff at the office in coordination with the respective departments.

- The University has established Industry Institute Partnership Cell (IIPC) with the support of All India Council for Technical Education.

39. Development programmes for non-teaching staff

- Dept. of Advertising Management and Public Relations organized video production and photography workshop for Lab. Attendant and students.

- Dept. of Computer Science and Engg organized a Skill up gradation workshop for teaching and non teaching staff

- The Academic Staff College organized two skill up gradation programme for non-teaching staff of this university during this year.

40. Good practices of the institution

- A minimum eligibility criterion is prescribed for each course and the same is published in the Prospectus each year. For admission to M. Pharm. and M. Tech. programmes preference is given to candidates with valid GATE score. The admission of foreign students is made on academic merit basis.

- All the academic programmes offered by the University are technical and job oriented. The courses have been specified and approved by the State Govt. and regulatory bodies including UGC, AICTE, Pharmacy Council, Physiotherapy Council, DBT, DEC, etc. All the eligible technical courses have been accredited by NBA also. The teaching and non-teaching posts are sanctioned and funded by the State Govt. The procedure for selection of teachers is according to the UGC guidelines incorporated in the University Act.

- All the regular courses offered are inter-disciplinary/multi-disciplinary in the sense that studies in Communication Skills, Computer Applications and Management Concepts besides one open elective are compulsory for every student in the University.

- Assessment of faculty performance by students is being implemented in all M Tech Programmes covered under TEQIP funding of World Bank

- In the other departments such feedback is taken informally. The faculty members contribute their services in examination duties, admission duties and other administrative responsibilities as assigned from time to time.

- Industry representatives in each BOS. The courses for B.Tech. programmes have been revised by the State Level Committee where representatives from Industry, Chamber of Commerce and subject experts participated. The model curriculum received from the UGC and AICTE have also been considered by the respective departments.

- On an average a faculty member devotes 42 hours in a week towards studies, research and other administrative work and departments remain open from 09:00 a.m. to 05:00 p.m. for six days in a week.

- Remedial courses and bridge courses are organized wherever required to cover up the deficiencies of the weaker students.

- Research is an emerging area of strength in the University. There are a large number of sponsored major research projects with the faculty. The faculty has contributed more that thousand research publications in reputed journals during the post accreditation period. The Department of Food Technology has developed four patentable technologies in the area of food grains. The consultancy and extension activities are picking up. The establishment of Knowledge Park will boast these areas.

- Several MoUs signed with different institutions especially with University of Manitoba, Canada and University of Maryland, USA for academic exchange programmes. Signing of MoUs with BARC, Mumbai and TCG Life Sciences, Kolkata for research collaboration are adding to its research value.

- The concept of self financing courses in the University is to have a different fee structure for such courses in order to be self sustainable without compromising on quality. From the point of view of employment of teaching and non-teaching staff there is no difference as regards their service conditions.

- The faculty remains available in the department from 09:00 a.m. to 05:00 p.m. The teaching workload is as per UGC norms. The extra time available is utilized for research work and administrative work assigned to them.

- The teachers remain available during this period in the respective departments. All the teaching staff is well connected with administration through Internet and Intercom.

- The total number of students in regular courses is over 4000 and the student teacher ratio is about 1:14.

- The University has decided to allocate at least 10 percent of the university budget for R&D activities. Further, Several senior faculty members are acting as reviewers/guest editors for international journals and members of editorial boards of national and international journals.

- The University has introduced Credit Based System for students' evaluation. The CBS provides for flexibility and continuous evaluation in learning process and it has been established on the pattern of IITs and IIMs. Industry training is an integral part of course curriculum in each program. The teaching of basic courses in communication skills, computer applications, management concepts besides environment awareness and ethics is also a part of each program.

- There is a provision of course coordinators who is responsible for conduct of the course and solve students' problems. Remedial Coaching Centre has been established with assistance from the UGC. Bridge courses are offered at departmental level.

- There is a system of Self Appraisal Report (SAR) for teaching staff. The SAR Proforma has been devised on the basis of specimen Proforma developed by the UGC and is filled up by every teacher at the end of each academic year.

41. Linkages developed with National/ International, academic/research bodies

- The University has entered into several MOUs with different organizations/institutions for collaborative research and development in mutually agreed areas of academics.

42. Action Taken Report on the AQAR of the previous year

- Visiting and adjunct faculty was appointed for specialized areas as per requirement.
- Teaching and other supporting staff was recruited as desired.
- Budget provisions were increased for labs and equipments

43. Any other relevant information

- The University has established a separate Cell for the purpose of Documentation and Commercialization of Research. The Cell is named as "Intellectual Property Rights & Technology Commercialization Cell".

- The very purpose of creating this Cell is to ensure the `Commercial Use' of University's In-house Research and Technology-Outcomes to outside world. The Cell is expected to transfer University's intellectual property rights to needy organizations to promote active commercialization of University's inventions through a well-designed policy of the University in this connection.

- The University has constituted the Business Development Group (BDG). The BDG has been mandated to foster closer ties with the Corporate World, Industry Association, Government agencies, Multi-lateral bodies and others for the purpose of soliciting consultancy assignments, collaborative research projects, and establishment of study chair in the University and placement activities of the students.

- The process for procurement of LC-MS, HPTLC and Spectroflurimeter is in progress. These instruments are of multidisciplinary utility. These instruments are generally used to pursue R&D activities by the students of Department of Bio & Nanotechnology, Food Technology, Pharmaceutical Science, Physics, Environmental Science & Engineering and Chemistry.

- The CIL is presently having sophisticated instruments like High Performance Liquid Chromatography (HPLC), Atomic Absorption Spectrophotometer (AAS), UV-VIS-NIR-Spectrophotometer, Differential Scanning Calorimeter, Lyophilizer and FT-IR Spectrometer.

- The Central Instrumentation Laboratory (CIL) is established for the students, research scholars and teachers of the university who are actively engaged in R&D activities in the emerging areas of Science, Technology & Engineering.

Section C

Outcomes Achieved by the End of the Academic Year

- Being technical university and already 'Grade-A' by NACC, the university always attempts to keep its benchmarks very high. For example, the Pre-PhD courses and mandatory condition of research paper publication was already in practice in this university when the same was adopted by the UGC for national level.
- The university has sincerely attempted to achieve all planned activities in systematically manner.

Section D

Plans of the University for the Next Academic Year

- Workshops/Seminars by IQAC on Best Practice Promotion.

- To strengthen the physical infrastructural facilities

- To organize international conferences along with National level Seminars/ workshops/Symposium

- To introduce new courses under various Faculties under credit based system

- To enhance resource mobilization through involving with philanthropists, alumni and industries in research activities

- To encourage community and social participation

- To develop collaborative academic and research programmes with national and international institutions and industries by increasing the existing sphere of collaboration with industries and educational organizations.

- To attract NRI and foreign students for admission in to the University, to secure recognition at the global level

- To activate community development programmes of the society by exposing the students to various problems faced by society

- Revised Web designing and Virtual Library, Digital Library

- Performances related to sports especially indoor and outdoor games.

- E-Library, Library Automation, Library networking

- Data base preparation for Advance Study in Technical Education

- Computerization of other offices and branches.

- Cleanliness and immunization drive in surrounding areas.

(Dr. M L Ranga)   **(Prof. Karam Pal Narwal)**
Chairperson, IQAC   **Director, IQAC**

The Annual Quality Assurance Report (AQAR)

For
Academic Session: 2011-2012

Submitted to
The Adviser
National Assessment and
Accreditation Council, P. O. Box No. 1075
Nagarbhavi, Bangalore -560072

Submitted By
Director, Internal Quality Assurance Cell (IQAC)
Guru Jambheshwar University Of Science and Technology, Hisar 125001 (Haryana)

Visit us at: **www.gjust.ac.in**

The Annual Quality Assurance Report (AQAR)
For Session 2011-2012
By
Internal Quality Assurance Cell (IQAC), Guru Jambheshwar University of Science and Technology, Hisar 125001 (Haryana) INDIA

Name of the Institution : **Guru Jambheshwar University of Science and Technology, Hisar 125001 (Haryana) INDIA**
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Year of Report : **Academic Session 2011-2012**

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Section-A

Plan of actions as chalked out by the IQAC in the beginning of the year towards Internal Quality Enhancement. The overall plan of

actions for enhancement of the internal quality during 2011-2012 is mentioned below:

- To improve the quality of teaching, research and examination. This involves filling up of the available position, improvement of infrastructure, including construction of building, enhancing laboratory facilities and introduction of credit based system of continuous assessment at least in some departments, maintaining the academic calendar and publishing result in time.
- To work out the acceptable mechanism for ensuring timely, efficient and periodic-progressive performance of academic, administrative, research and extension activities on regular basis.
- To encourage faculty members to generate resource by way of submitting research projects and undertaking consultancy and extension activities and also to encourage faculty members to publish their research in high quality research Journals of international and national repute.
- To devise the process of dissemination of all relevant information to all stakeholders for sensitizing them on the various quality parameters of higher & technical education.
- To note the feedback of NAAC on Annual Quality Assurance Report (AQAR) for suggesting further necessary action required for various quality parameters of higher and technical education.
- To further explore the possibilities of research sharing and networking with other institutions in India and abroad.
- To enhance the overall research-based H-Index of the university.
- To modernize library facilities and to spend more money for purchase of new books and journals including e-data bases.
- To enhance students amenities and facilities and to encourage students to involve in NSS and other social and community activities.
- To upgrade information technology base and computerization of different departments and branches/offices.
- To introduce new programmes in the emerging frontiers of science, technology, environment, pharmaceutical and business management.
- To initiate the process of construction of new buildings other required physical infrastructure.

Section B

1. Activities specially reflecting goals and objectives of institution

- Syllabi of all B. Pharma and M Pharama and Communication & Technology programme were revised.

- More than 100 seats were increased in different existing programmes.

- New programmes like MBA (Finance), MBA (Marketing), MBA (IB), and some other PG Diploma programmes were introduced.

- All programmes run under distance education mode were further granted approval and recognition by Distance Education Council, New Delhi.

- Department of Pharmaceutical Science conducted one week national workshop for faculty, scholar and students.

- The university successfully organized Inter Zonal University Cricket Championship.

- City gate, Information centre, Cyber Café and twelve D-type houses were constructed during this year and Girls Hostel-III was further extended by 24 rooms.

- The university, continued to replace traditional tube lights with CFL tubes and bulbs for energy saving purpose.

- The whole campus was connected with Wi-Fi Internet system by the Campus-wide networking Cell of the university.

- Information provided to Association of lndian Universities to prepare the Data of International Students in the University.

- Information provided to Director General Higher Education Haryana to prepare the University Student's Strength (Regular and Distance) in the 2011-12.

- Establishment of labs based on current technology

- Training and placement cell for engineering students was further strengthened and its off campus office was established in NCR region.

- Institution interaction and relations with leading media organizations for our faculty and students were organized.

- Haryana School of Business organized its Annual national Conference on Business and Management and also National Workshop on Business Research Methods.
- Department of Mathematics. Physics, Printing Tech, Computer Science & Engg, and Environment Science & Engg organized national conference in contemporary issues in respective fields.

2. New academic programmes initiated (UG and PG)

- MBA(Executive Programme) Part Time (Three Years)
- MBA(Finance) Regular(Two Years)
- MBA(Marketing) Regular (Two Years)
- MBA(International Business) Regular (Two Years)
- P.G. Diploma in Tourism Management

3. Innovations in curricular design and operation

- Curriculum of new courses adopted as per UGC/AICTE/PHI/Govt. guidelines.
- B. Pharma and Pre-Phd course work curriculum revised and updated
- Design of Ph. D course curriculum and restructuring of M. Sc. Course content
- Design and Development of Course Curriculum of B. Tech. (Printing & Packaging Technology)
- Course curriculum of Pre-PhD programmes in different disciplines was revised in the light of latest UGC Regulations for PhD programme.

4. Inter-disciplinary programmes started

- The University offers intensified interdisciplinary research programmes leading to award of the degree of Doctor of Philosophy in all disciplines offering post-graduate courses

- Department of Communication and Management started MSc (Development Communication) as inter-disciplinary programme.

- Haryana School of Business, Department of Computer science and Engg and Department of Advertising and Public Relations offered open elective courses for different programmes.

5. Examination reforms implemented

- For the purpose of evaluation of students performance in the examinations, the University has switched over to credit based system of examinations for all programmes. The Credit based System (CBS) was implemented on the pattern of IIT, New Delhi.

- Spot evaluation system was implemented to declare the results in-time.

- CCTV Cameras were fitted in whole examination branch to oversee the working of staff involved with a view to enhance efficiency and transparency.

- Electronic Date Centre was strengthened for scanning the results sheets in-time.

6. Candidates qualified: NET/SLET/GATE etc.

- In total, 91 candidates have qualified NET/SLET/GATE/etc.

7. Initiative towards faculty development programmes

- All teachers whose refresher or orientation programme are allowed to attend the same by the authorities.

- Conducted of special three days workshop " on Animal Handling"

- Four teachers were allowed to take training under Radio Ecology Centre of the university.

- More than fifty teachers attended conferences/seminars in addition to several campus conference/seminars being attended on the campus during the year.

- National Workshop on Computational Mathematics, 26 March,2011
- One faculty member (Mr. Manish) attended an AICTE sponsored Staff Development Programme at SLIET, Longowal, Punjab

- Six Refreshers, one Workshop and three Orientation Programmes were conducted by the Academic Staff College of this university.
- Three days workshop on content Development for Distance working 17-19 March, 2011.

8. Total number of seminars/workshops conducted

- In total 16 conference/seminars/workshops were conducted on the campus.

9. Research projects: a) Ongoing; and b) Completed

- In total, 59 projects are on-going and 11 research projects were completed.

10. Patents generated, if any

- One patent was filed and the same is under process during this session.
- The university implemented its revised IPR Policy during this session.

11. New collaborative research programmes

The jurisdiction of the University was extended to the courses being run in the areas of science, technology, engineering, pharmacy, physiotherapy and management on the University Campus and all Technical Institutions (except B.Pharmacy institutions) in the districts Fatehabad, Hisar and Sirsa with effect from the academic session 2011-12. The University has also signed MoUs with the following Indian Organizations for the purpose mentioned against their names:
- With University of Manitoba for Educational & Academic Exchange Programmes
- With University of Maryland for Joint Academic and Research Programmes
- With George Washington University for Promotion of Research & Extensions in Bio-Sc.
- With TCG Life Sciences, Kolkata for Collaborative Research Programmes
- With BARC, BRNS and NPCIL, Mumbai for Establishment of Centre for Radio-Ecology

- With ICAI, New Delhi for Credit Transfer among CA/ MBA/ Students
- With Venus Medical Research Centre for Collaborative Research Programme
- With HARSAC, Hisar for Collaborative M.Tech. Geo-info and Research programme
- With CPB, Hisar for Collaborative Research & Training Program.

12. Research grants received from various agencies

- Rs. 5, 60, 45, 000 was received from different research funding agencies.

13. Details of research scholars

- Total 332 research scholars were on rolls including 69 JRFs during this session.

14. Citation index of faculty members and impact factor

- The university Citation H-Index is 37 and more than 30 teachers have their citation H-Index 5 or more during this session.

15. Honors/Awards to the faculty: National and International

- Dr. V K Garg was given Thomson Reuters India Citation Award, 2012 by Thomson Reuters in the field of Chemistry, Environmental Science and Bioresource Technology (International)
- Dr. V K Garg was given Guest Editor for special Issue on Solid Waste Management in International Journal of Environment and Waste Management in this year
- Dr. Rajiv Kumar Co-PI of Radio-ecology Centre, GJUS&T contributed in demographic study of the nuclear power projects at Gorakpur, Fatiabad
- Dr. N. S. Malik and Dr. Suresh Mittal conducted training for SEBI, New Delhi, May-June 2012.
- Dr. R Bhaskar has been awarded post-graduate diploma in Environmental Law (2012) from National Law School of India University (NLSIU), Bangalore

16. Internal resources generated

- In total, a sum of Rs. 39, 99, 64, 438 were generated from internal sources this year.

17. Details of departments getting assistance/recognition under SAP, COSIST (ASSIST)/DST, FIST, and other programmes

- Department of Bio-Nano Science : SAP DRS-I
- Department of Chemistry & Physics : DST-FIST
- Department of Communication and Management : SAP DRS-I
- Department of Computer Science & Engg : SAP DRS-I
- Department of Environment Sc & Engg : SAP DRS-II
- Department of Mathematics : SAP DRS-I
- Department of Physics : SAP DRS-I
- Dept. of Pharmaceutical Science : DST-FIST
- Haryana School of Business : SAP DRS-II

18. Community services

- A pledge to fight against terrorism was taken by the students of GJUS&T on the occasion of anti-terrorism day in remembrance of death anniversary of former Prime Minister of India Mr. Rajiv Gandhi. The Day is observed to generate awareness in the country among all sections of people, about the danger of terrorism, violence and its dangerous effect on the people, the society and the country as a whole.

- Dept. of Advertising Management and Public Relations organized a Voting Awareness Campaign amongst the residents of Hisar and around.

- Dept. of Bio-Medical Engg Provided services as Facilitator-cum-Evaluator in CAPART

- Dept. of Pharmaceutical Science organized a General Awareness of Pharmacy during National Pharmacy week, Nov. 2011

- NSS underlines that the welfare of an individual is ultimately dependent on the welfare of the society as a whole.

- NSS unit of GJUS&T organized a patriotic cultural programme based on communal harmony on 25-11-2011 to celebrate the Flag Day.

- NSS wing of the university organized a State Level Exhibition on World AIDS Day "Youth Voice on HIV/AIDS Free India"

- The Centre (CBRI) has been involved in providing psychological counseling to students, patients. Career counseling, personality

development, awareness programme, community intervention programme, conducting workshops and seminars on psycho-social problems are some of the major objectives of the centre. The centre is also working on sponsored research projects in the field of behaviour modification, HIV /AIDS, Violence etc. Psychological Testing has been the integral part of centre covering personality, ability, aptitude and assessment of mental health. The centre has been providing all the services to the students as well as referral cases free of cost throughout the year.

- The motto of the National Service Scheme (N.S.S.) is " "Not Me, But You", this expresses the essence of democratic living and upholds the need for selfless services and appreciation of another person's point of view and also show consideration for fellow human beings.
- The NSS units have been involved in awareness programmes related to prevention of HIV/AIDS, female feticide and drug addiction etc. NSS volunteers are also involved in the activities related to literacy, plantation, cleanliness and blood donation

- One of the faculty members was involved in the project being run by the Department of Mass Communication at village Mothesra.

- To uphold and promote the values of communal harmony, patriotism, and national integration among students and community members through NSS activities is one of the basic objectives of the units.

19. Personnel and recruitment by the university

- Teaching staff: 151 out of 276 posts filled on regular basis and other more than 130 post were filled on contractual basis.
- Officers: 21 out of 31 posts filled
- Other non-teaching staff: 470 out of 661 posts filled

20. Teaching – Non-teaching staff ratio

- The Teaching-Non-teaching ration is appr 1: 2.38 on sanctioned basis.

21. Improvements in the library services

- Using the Integrated Library Computer Software Libsys:, the complete database of Library holdings of books, Library membership including students, University officers, faculty members, research scholars and non-teaching staff has been created. The Bar Coded Library Identify Cards are issued to all categories of members for borrowing facility. The Library provides On Line Public Access Catalogue (OPAC) facility to the readers to search and know the status of the reading material available in the Library. On this system, books on demand are reserved for the students and follow up action by generating letters and sending to the students is taken promptly.

- To facilitate students, research scholars and faculty members, the Internet facility is provided in the UCIC located in the University Library. For the Library Surveillances, the Library has a Close Circuit Television system using 16 cameras. As a step towards modernization of the Library, Video Conferencing facility has been provided in a hall having a seating capacity of 65 users.

- The University Library subscribed Emerald Management Xtra - 175, an online database of 175 electronic journals w.e.f. January 2011. The University Library also subscribed an on-line database "PROWESS", a product of Centre for Monitoring Indian Economy (CMIE).

- The University Library is in the process of creation of Digital Library using LS Digital Software- an add on to integrated library software LibSys. At present, the theses, professional training reports submitted in the University are being digitized. Users can view the availability of reading material in the library in print as well as electronic format on OPAC. The full text material in electronic format is attached with the bibliographical details and with a single click; the users can view the whole document on the screen.

- The University Library enrolled 4918 members during the current year and recorded 29422 visitors during the period. During the

period of January to December, 2007, total issues for home lending were 88314 (Average issues 258 books per day). The Library functions in two shifts from 9.00 A.M. to 7.00 P.M. and remains open on Saturdays and Sundays (9.00 a.m. to 5.00 p.m.).

- The photocopy services facility is being provided in the Library through a Commercial private vendor on University approved rates.

- The Library provides Books Bank facility to the Undergraduate and SC/ST students of Postgraduate courses of the University. Under the Book Bank Scheme 748 books were issued to the students on semester basis.

- The Library is a member of the American Library, New Delhi. All the students and faculty of our University are entitled to borrow books from the American Library. Members need to get the Library Card of the American Library from the University Library to borrow the books from American Library, New Delhi.

- The access to "5930 electronic journals of 14 publishers, 7 databases and JCCC portal" is provided through INFONET Consortium of INFLIBNET- an organ of UGC. The IEL service is also provided through INDEST Consortium of AICTE vide which the access to the electronic journals of IEEE is provided. The access to the electronic journals and databases is provided in the University Computer Information Centre (UCIC) located in the University Library and in the Departments through Campus Wide Network for use by the Faculty and the Students.

22. New books/journals subscribed and their value

- The University Library enrolled 5018 members during the current year and recorded 21031 visitors during the period. During the period of January to December, 2011, total issues for home lending were 84086 books (Average issues 294 books per day) and total 121522 books were consulted by the members of the Library.

- The library has undertaken subscription of 151 Indian Journals in the year 2009. The Journals already subscribed in the Library were reviewed keeping in view their utilization pattern. The Library subscribes 61 magazines and 20 newspapers to cater to the general information needs of the University.

- The Library has processed the subscription of 206 Indian Journals, 64 Magazines and 20 Newspapers for the year 2012.

- The amount includes the grants received from funding agencies like University Grants Commission, DBT, DST, NBHM etc.. All the grants received from these agencies were fully utilized. The Library at present has a total collection of 70860 books of 45924 titles.

- The access to the electronic journals and databases is provided in the University Computer Information Centre (UCIC) located in the University Library and in the Departments through Campus Wide Network for use by the Faculty and the Students. The Library has 4175 bound back volumes of journals.

- The access to "5930 electronic journals of 14 publishers, 7 databases and JCCC portal" is provided through INFONET Consortium of INFLIBNET- an organ of UGC. The IEL service is also provided through INDEST Consortium of AICTE vide which the access to the electronic journals of IEEE is provided.

- During the year, an amount of Rs. 68,49,657/- was spent on purchase of books and 6264 books of 3593 titles were added to the existing stock of 86739 books of 49727 titles.

23. **Courses in which student assessment of teachers is introduced**

- The feedback was conveyed to teachers for betterment in their pedagogy and interaction within and outside the classrooms.

- The students' assessment of teachers was introduced in the Dept. of Pharmaceutical, Communication and Management, Dept. of Electronic and Communication Engg, Dept. of Advertising and Public Relations and Haryana School of Business during this session.

24. Feedback from different stakeholders

- The University has constituted the Business Development Group (BDG). The BDG has been mandated to foster closer ties with the Corporate World, Industry Association, Government agencies, Multi-lateral bodies and others for the purpose of soliciting consultancy assignments, collaborative research projects, and establishment of study chair in the University and placement activities of the students.
- The BDG keep receiving feedback from industry and other stakeholders and the same are immediately disseminated to quarter concerned for corrective actions if needed.
- In every Board of Studies, there are industry representative so that their regular feedback may be taken on the curriculum and syllabi being taught on the campus.

25. Unit cost of education

- The unit cost of education during this year is Rs. 78, 236/- only.
- The unit cost of distance education during this year is Rs. 2,324/- only.

26. Computerization of administration and the process of admissions and examination results, issue of certificates

- Electronic Data Centre has been created in the examination branch of the university that cater the ICT requirement of conduct of exam to declaration of results.

- In order to cater all such needs of Information & Communication Technologies for students, staff and faculty of university, Networking Cell has been set up in the university. At present all the teaching departments, hostels (common room), administrative blocks and other offices have been connected with a combination of wired and wireless network.

- Admissions to all B. Tech. Programmes are done on-line and Registration & Fee records of all the students are kept on-line.

- Advances in ICT (Information & Communication Technologies) have been accelerating at an unparallel pace in history. Many breakthroughs can be described as revolutionary. More and more, communication networks based on modern telecommunication technology are allowing all forms of information, whether voice, data, text or video to be exchanged to and from anywhere and at any time.

- The internet connectivity has been provided through 10 Mbps leased line free of cost to faculty, staff and students of university for 24 hours. Each faculty, staff and students of University is provided E-mail address on internal mail server of University. The network has been empowered through high capacity and secured active and passive components.

- The website of the University has been indigenously designed and is being maintained by the Computer Centre. The site is continuously updated to cover all day-to-day activities. The information regarding the University can be load from the University website www.gjust.ac.in

- UCIC has given a new look to the University website in year 2011. It has added some online dynamic features like Online Alumni Registration. Online Employees Salary Statements and Online Support to Directorate of Distance Education etc.

27. Increase in the infrastructural facilities

- Department of Pharama added new labs namely Pharmaceutical Microbiology Lab; Plant Tissue Culture Lab and Computational Lab during this year.

- Department of Printing Tech established a advanced paper testing lab this year.

- Construction and extension of Multi-purpose hall was completed this year.

- Construction of 12D-Type Houses, 18C-Type Houses completed this year.

- Construction of City gate, Information centre and Cyber café completed this year.

- Renovation of Labs in Basic Sciences and Engg completed this year.

- Repair of more than 100 Old Housed completed this year.

- Sports ground completely resurfaced and developed for football and cricket.

- The Horticulture Department initiated the 'Green Zone' programme.

28. Technology up gradation

- Department of Advertising and Public Relations added new software on animation.

- Department of Communication and Management upgraded its equipments and softwares during this year.

- Department of Electronic and Communication Engg added modern lab.

- Department of Pharama added new labs namely Pharmaceutical Microbiology Lab; Plant Tissue Culture Lab and Computational Lab during this year.

- Department of Printing Tech established a advanced paper testing lab this year.

- Haryana School of Business added DLPs, Visualizers and E-Data base this year.

- The UCIC also improved two full-fledged Language Laboratory in year 2011. The lab has a Clarity Infinity Software, which offers a variety of functions such as Recording, High Speed Copying, Test Preparation, Intercom,

Student Monitoring, Teacher/Student Call, Group Conferencing, etc. The main console is connected to 24 listening booths which have been specially designed for student-teacher interaction and greater concentration for language learning.

- The UCIC has also installed the EDUSAT (the Education Satellite) facility, a powerful communication tool for emulating virtual classroom in an effective manner. This facility is very helpful to faculty members to prepare computer aided teaching/learning materials for quality education. The same satellite transmission facility is also provided to the students to attend lecturers and obtain study material from transmission sites like IGNOU, UGC, CEIT, CEC & AICTE.

- UCIC is maintaining a software development cell. The objective of the cell is to design new application software and support for existing software of various branches/departments.

29. Computer and internet access and training to teachers, non-teaching staff and students

- 10 Mbps Leased Line through BSNL under UGC INFONET Programme is available and the same is like to go up in near future.

- In addition to above, there is Campus-wide networking Cell that provides Internet access throughout the campus through Wi-Fi system.

- Computer and Internet access is available to each and every student, scholar, staff and teacher of this university.

- The University Computer and Information Centre keep conducting necessary training of all users as and when some technological changes are implemented in the system.

30. Financial aid to students

- Earn while learn scheme was introduced for poor students this year.

- Financial aid is available to all SC/ST students under different government schemes.

- AICTE scholarship is available to all valid GATE/GPAT scorer who are admitted to respective M. Tech programmes of this university.

- The financial aid is also available to girls-topper students on this university.

- Financial aid is also available to sportspersons representing this university to national and international level.

- For SC/BC candidates of Haryana, price of the University Prospectus and the Application Fee is $1/4^{th}$ of the price/ fee fixed for General and other categories.

- SC candidates, seeking admission to courses except M.Tech., M.Pharm. and Master of Physiotherapy should have obtained pass marks in the qualifying examination.

- The reservation to SC, BC and other categories will be admissible as per reservation policy of the State Govt.

- The following type of scholarships are granted to the SC and BC candidates under the Schemes of Govt. of India/ State Govt.

    (vii) Post Matric Scholarship to SC/ST students, Govt. of India Scheme.

    (viii) Stipend to B.C. students under State Harijan Welfare Scheme.

    (ix) Financial help to purchase books etc. from District Welfare Office.

31. Activities and support from the Alumni Association

- The University Computer and Information Centre has created a link on the website of the university so that all alumni can register themselves for regular interaction purpose.

- Several departments like Printing tech, mechanical Engg, Haryana School of Business, Bio-Nano Science, Pharmaceutical Science, Environment Science & Engg, and Computer Science & Engg frequently organize the Alumni Meet on the campus where good numbers of students assemble and interact with their juniors for guiding them for future.

- The alumni of this university support their juniors in training and placement activities.

32. Activities and support from the Parent-Teacher Association

- Several departments like Advertising and Public Relations, Communication and technology, Haryana School of Business, Bio-Nano Science, quite off and on conduct parent teachers meeting so as to assess the progress of students under intimation to their parents.

33. Health services

- It is a primary health care centre to cater the medical needs of University Staff and students. The Health Centre building is situated near the Girls Hostels and residences of employees to provide an easy access to all concerned. It is spacious enough to accommodate 2 doctors' cabins, a dispensing room, a laboratory, a medicine store, a minor O.T. and an observation room with 3 beds facility.

- Various Facilities at Health Centre: Medical Aid to all common ailments with routine blood tests like hemogram, blood sugar, S. Cholesterol, S. bilirubin, Urine Test, Stool Test etc. First Aid to all the accident cases. Preliminary care to all major diseases. 24 hours Ambulance Service for transporting the referred patients.

- The medical reimbursement for indoor treatment from the above doctors will be admissible in accordance with the rates equal to PGIMER, Chandigarh. It will be applicable in case of NC Jindal Hospital, Hisar also. There will be no reimbursement of the amount over and above the rates of the PGIMER, Chandigarh.

- Free Medicines to all the employees and their wards and students with a handsome budget. For referral two multi-specialty hospitals are on University panel i.e. N.C. Jindal Institute of Medical Care & Research, Hisar and Civil Hospital, Hisar and nine empanelment of the doctors at Hisar like Orthopaedician, Physicians, Surgeon, Pediatrician, Ophthalmologist, Gynecologist, Urologist, Burn/ Plastic Surgeon and ENT to provide referral medical facility, in their respective field/ specialization, to the University employees and their dependents for treatment as Indoor patients in their hospitals.

- Department of Physiotherapy also offers its OPD facility to patients and the same is optimally utilized by the students and staff-members on the campus.

- Apart from the above, the University has tied up with Insurance Company to provide `Student Safety Insurance Policy' against the nominal annual premium by the Students.

- Almost all medicines and major regular testing services are available in the University health Centre for students and staff of the university.

34. Performance in sports activities

- Sports activities are integral part of curriculum in this university and most of the grounds with modern facilities are available on the campus.

- Sh. Shashi Bhushan Luthra, Asstt. Director Sports won one Gold and Silver Medal in Long jump and Discuss Throw respectively in Haryana State.

- Mr. Nikhil Sing, a student of M.Sc. (Nano Sc. and Tech.)GJUS&T, Hisar who represent the "34"National Games held at Ranchi from 12th-18th February, 2011 and won Bronze Medal in 10AM Air Pistol Men Championship Team was honored.

- He also represented the All India Inter University Shooting Championship 2010-11 held at Jiwaji University, Gwalior from 10th to 16th December, 2010 and secured 4th Position in Men's 10M Air Pistol.

- The Directorate of Sports keeps sending teams of different games in competition including inter university and national competition.

35. Incentives to outstanding sportspersons

- The university has constituted different incentive schemes including cash prizes and any sportsperson representing the university in various level of competition is entitled to such incentives as per the level of competition.

36. Student achievements and awards

- The research, scholarship and creative work differentiate universities from all other educational institutions. The ideas, discoveries and innovations emanating from universities profoundly affect the social, cultural and economic well-being of our society.

- The students passing out from this university have fairy represented this institution with a gainful employment in different leading organizations within and outside the country.

- Several scholarships are made available including CV Raman fellowship to the meritorious students those joining research in the university.

- The alumni of the university are seen in administrative services, defense forces, industry, entrepreneurship, consultancy and research organizations.

37. Activities of the Guidance and Counseling unit

- Centre For Behavioral Research & Intervention is there to take care of psychological well being of students and to develop the positive attitude among youth particularly the students. The Centre (CBRI) has been involved in providing psychological counseling to students, patients. Career counseling, personality development, awareness programme, community intervention programme, conducting workshops and seminars on psycho-social problems are some of the major objectives of the centre.

- The centre is also working on sponsored research projects in the field of behaviour modification, HIV /AIDS, Violence etc. Psychological Testing has been the integral part of centre covering personality, ability, aptitude and assessment of mental health. The centre has been providing all the services to the students as well as referral cases free of cost throughout the year.

- Students are guided for personality development at departmental level and common facility in several departments like Haryana School of Business, Bio-Nano Science, Pharmaceutical Science, Environment Science & Engg, and Computer Science & Engg

- Directorate of distance education has put in place a system where all inquiries are attended and guidance is provided at enquiry counter.

38. Placement services provided to students

- A Training and Placement Cell, at university level, has been set up in the University to keep a constant liaison with the potential employers/industries and provide necessary guidance to the students. The Cell works for the students to arrange industrial summer training that helps them get placements towards the completion of their courses.

- The Training & Placement Cell takes care of training and campus placements for the students. The Cell is equipped with appropriate infrastructure to execute the placement process. Arrangements for Pre-Placement talks, written tests, group discussions, interviews etc. are handled by the staff at the office in coordination with the respective departments.

- The Placement activities are handled by the Placement Cell, which includes final year students from different departments under the guidance of Training and Placement Officer. Training and Placement Cell keeps liaison with the potential industries and provides necessary guidance to the students.

- The Cell facilitates arranging on-campus placements of students in various industries, makes arrangements for students to participate in off-campus drives organized at various institutions/ industries. The University has recently established a placement office at Gurgaon also for coordinating placement activities and mobilizing the companies from NCR etc.

- The Cell acts as an effective medium to promote the University ties with the Industry with a view to providing placement of students.

- The University has established Industry Institute Partnership Cell (IIPC) with the support of All India Council for Technical Education.

- A separate Training and Placement Cell is working at Haryana School of Business with full-time Training and Placement Officer.

- An off campus training and placement cell has been established in NCR region and the very purpose of this cell is to cater the needs of industry in this part of the country by holding training and placement off campus activities.

- The overall placement scenario is quite encouraging and getting momentum with time.

39. Development programmes for non-teaching staff

- The University Computer and Information Centre organized a number of workshop for technical skills upgradation of non-teaching employees this year.
- Dept. of Advertising Management and Public Relations organized video production and photography workshop for Lab. Attendant and students.
- Dept. of Computer Science and Engg organized a Skill up gradation workshop for teaching and non teaching staff
- The Academic Staff College organized two skill up gradation programme for non-teaching staff of this university during this year.

40. Good practices of the institution

- The teachers remain available during this period in the respective departments. All the teaching staff is well connected with administration through Internet and Intercom.

- On an average a faculty member devotes 42 hours in a week towards studies, research and other administrative work and departments remain open from 09:00 a.m. to 05:00 p.m. for six days in a week.

- All the regular courses offered are inter-disciplinary/multi-disciplinary in the sense that studies in Communication Skills, Computer Applications and Management Concepts besides one open elective are compulsory for every student in the University.

- Remedial courses and bridge courses are organized wherever required to cover up the deficiencies of the weaker students.

- The total number of students in regular courses is over 4600 and the student teacher ratio is about 1:16.

- There is a system of Self Appraisal Report (SAR) for teaching staff. The SAR Proforma has been devised on the basis of specimen Proforma developed by the UGC and is filled up by every teacher at the end of each academic year.

- Assessment of faculty performance by students is being implemented in all M Tech Programmes covered under TEQIP funding of World Bank

- In the other departments such feedback is taken informally. The faculty members contribute their services in examination duties, admission duties and other administrative responsibilities as assigned from time to time.

- All the academic programmes offered by the University are technical and job oriented. The courses have been specified and approved by the State Govt. and regulatory bodies including UGC, AICTE, Pharmacy Council, Physiotherapy Council, DBT, DEC, etc. All the eligible technical courses have been accredited by NBA also. The teaching and non-teaching posts are sanctioned and funded by the State Govt. The procedure for selection of teachers is according to the UGC guidelines incorporated in the University Act.

- The concept of self financing courses in the University is to have a different fee structure for such courses in order to be self sustainable without compromising on quality. From the point of view of employment of teaching and non-teaching staff there is no difference as regards their service conditions.

- Industry representatives in each BOS. The courses for B.Tech. programmes have been revised by the State Level Committee where representatives from Industry, Chamber of Commerce and subject experts participated. The model curriculum received from the UGC and AICTE have also been considered by the respective departments.

- A minimum eligibility criterion is prescribed for each course and the same is published in the Prospectus each year. For admission to M. Pharm. and M. Tech. programmes preference is given to candidates with valid GATE score. The admission of foreign students is made on academic merit basis.

- There is a provision of course coordinators who is responsible for conduct of the course and solve students' problems. Remedial Coaching Centre has been established with assistance from the UGC. Bridge courses are offered at departmental level.

- The faculty remains available in the department from 09:00 a.m. to 05:00 p.m. The teaching workload is as per UGC norms. The extra

time available is utilized for research work and administrative work assigned to them.

- The University has introduced Credit Based System for students' evaluation. The CBS provides for flexibility and continuous evaluation in learning process and it has been established on the pattern of IITs and IIMs. Industry training is an integral part of course curriculum in each program. The teaching of basic courses in communication skills, computer applications, management concepts besides environment awareness and ethics is also a part of each program.

- Research is an emerging area of strength in the University. There are a large number of sponsored major research projects with the faculty. The faculty has contributed more that thousand research publications in reputed journals during the post accreditation period. The Department of Food Technology has developed four patentable technologies in the area of food grains. The consultancy and extension activities are picking up. The establishment of Knowledge Park will boast these areas.

- Several MoUs signed with different institutions especially with University of Manitoba, Canada and University of Maryland, USA for academic exchange programmes. Signing of MoUs with BARC, Mumbai and TCG Life Sciences, Kolkata for research collaboration are adding to its research value.

- The University has decided to allocate at least 10 percent of the university budget for R&D activities. Further, Several senior faculty members are acting as reviewers/guest editors for international journals and members of editorial boards of national and international journals.

41. Linkages developed with National/ International, academic/research bodies

- The University has entered into several MOUs with different organizations/institutions for collaborative research and development in mutually agreed areas of academics.

42. Action Taken Report on the AQAR of the previous year

- Required budget provisions were increased for labs and equipments
- Teaching and other supporting staff was recruited as required and desired.
- Visiting and adjunct faculty was appointed for specialized areas as per requirement.

43. Any other relevant information

- The Central Instrumentation Laboratory (CIL) is established for the students, research scholars and teachers of the university who are actively engaged in R&D activities in the emerging areas of Science, Technology & Engineering.

- The CIL is presently having sophisticated instruments like High Performance Liquid Chromatography (HPLC), Atomic Absorption Spectrophotometer (AAS), UV-VIS-NIR-Spectrophotometer, Differential Scanning Calorimeter, Lyophilizer and FT-IR Spectrometer.

- The process for procurement of LC-MS, HPTLC and Spectroflurimeter is in progress. These instruments are of multidisciplinary utility. These instruments are generally used to pursue R&D activities by the students of Department of Bio & Nanotechnology, Food Technology, Pharmaceutical Science, Physics, Environmental Science & Engineering and Chemistry.

- The University has constituted the Business Development Group (BDG). The BDG has been mandated to foster closer ties with the Corporate World, Industry Association, Government agencies, Multi-lateral bodies and others for the purpose of soliciting consultancy assignments, collaborative research projects, and establishment of study chair in the University and placement activities of the students.

- The University has established a separate Cell for the purpose of Documentation and Commercialization of Research. The Cell is named as "Intellectual Property Rights & Technology

Commercialization Cell". The very purpose of creating this Cell is to ensure the `Commercial Use' of University's In-house Research and Technology-Outcomes to outside world. The Cell is expected to transfer University's intellectual property rights to needy organizations to promote active commercialization of University's inventions through a well-designed policy of the University in this connection.

Section C

Outcomes Achieved by the End of the Academic Year

- Being technical university and already 'Grade-A' by NACC, the university always attempts to keep its benchmarks very high. For example, the Pre-PhD courses and mandatory condition of research paper publication was already in practice in this university when the same was adopted by the UGC for national level.
- The university has sincerely attempted to achieve all planned activities.

Section D

Plans of the University for the Next Academic Year
- To activate community development programmes of the society by exposing the students to various problems faced by society

- Revised Web designing and Virtual Library, Digital Library

- Performances related to sports especially indoor and outdoor games.

- E-Library, Library Automation, Library networking

- Data base preparation for Advance Study in Technical Education

- Computerization of other offices and branches.

- Cleanliness and immunization drive in surrounding areas.

- Workshops/Seminars by IQAC on Quality Benchmarking Process.

- To strengthen the physical infrastructural facilities

- To enhance resource mobilization through involving with philanthropists, alumni and industries in research activities

- To encourage community and social participation

- To attract NRI and foreign students for admission in to the University, to secure recognition at the global level

- To organize international conferences along with National level Seminars/ workshops/Symposium

- To introduce new academic programmes under various Faculties under credit based system

- To develop collaborative academic and research programmes with leading national and international academic institutions and industries.

(Dr. M L Ranga)   **(Prof. Karam Pal Narwal)**
Chairperson, IQAC   **Director, IQAC**

SPACE FOR ROUGH-WORK

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