

CRITERION III:

RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 *Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.*

A High Level University Research Board has been constituted as per rules to monitor and promote the research.

The Research Board of SGVU consists of the following members:

S.No.	Personnel	Position in Research Board
1.	Dean Research	Convener
2.	Deans & Professors of all Faculty	Members
3.	3 Eminent Scholars nominated by URC (External)	Members of different specialization
4.	Deputy Registrar (Academic)	Member Secretary

The Research Board meets at least twice in an academic session preferably in the month of January & July.

The functions of the Research Board are as follows:

- Recommendation of the eminent and distinguished persons from outside the University for guiding research scholars and work.
- Recommendation of the names of University Researchers as Supervisors for guiding research scholars and work.
- Recommendation of prerequisites and minimum eligible qualification for appointment of a Research Supervisor.
- Consideration of the recommendations made by the DRC for registration of candidates for Ph.D. degree.
- Consideration of the cases where there is change of subject of research topic for registered candidates for doctoral degree.

- Review the cases where there exists difference of opinion between examiners of Ph.D. thesis and specific cases that are not explicitly covered by University norms.
- Application for Research Grants.

Following are the major recommendations of the Research Board:

- (1) Plagiarism check must be done for each Ph.D. Thesis.
- (2) It should be mandatory to publish minimum two research papers having impact factor 0.5.
- (3) Regular workshop should be conducted as a part of course work.

The University also constitutes specific research committees based on nature of the research projects and the research areas of importance. Several research centres have been established in emerging fields as follows:

- Centre of Excellence: Solar Energy Research & Utilization
- Center for Climate Change & Research,
- Centre for Air & Water Modeling.
- Knowledge Dissemination Centre
- 100 kW solar power station
- Weather station in collaboration with MNRE.
- Solar Park

3.1.2 *What is the policy of the university to promote research in its affiliated / constituent colleges?*

Not Applicable

3.1.3 *What are the proactive mechanisms adopted by the university to facilitate the smooth implementation of research schemes/projects?*

- * *advancing funds for sanctioned projects*
- * *providing seed money*
- * *simplification of procedures related to sanctions / purchases to be made by the investigators*
- * *autonomy to the principal investigator/coordinator for utilizing overhead charges*
- * *timely release of grants*
- * *timely auditing*
- * *submission of utilization certificate to the funding authorities*

The institution allocates a minimum 5% of total budget for the promotion of research facilities, apart from for organizing seminars, conferences symposium etc. The financial support is provided to researcher to begin work once a project is sanctioned. Adequate provisions are made and available for researcher to pursue the R & D work in addition to allocation extended on need based and priority based.

3.1.4 How is interdisciplinary research promoted?

- * *between/among different departments /schools of the university and*
- * *Collaboration with national/international institutes / industries.*

The SGVU has set up Centre of Excellence for solar energy research and utilization with solar lab and solar park with the object to promote inter-disciplinary collaboration in Research for the promotion of the share of the solar energy in the society. This excellence centre has eminent scientist as Director with a team of five scientists backed by faculties from the different disciplines. In addition to it, three Centers on Climate Change & Research, Centre for Air & Water Modeling and Knowledge Dissemination Centre are running where scientists and faculties from different background collaborate. All these centers have active participation of research scholars and students from different leading institutes.

3.1.5 Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.

Workshops/Seminars/Training programmes/sensitization programmes conducted every year in the areas of specializations in the respective departments and are regular features of the University. On International Level, a convention is held on Climate Change and Water (C3W) every year in the month of October where more than 30 parallel sessions were organized in last C3W-2013 convention.

The University also published/publishes proceedings of the conferences and as well the regular journals as follows:

Suresh Gyan Vihar University International Journal of Environment, Science and Technology. ISSN: 2321-1210. (Biannual)

Suresh Gyan Vihar University Journal of Engineering and Technology. ISSN: 2277-6915.

(Biannual)

Suresh Gyan Vihar University International Journal of Economics and Management.

ISSN: 2278-2478. (Biannual)

Suresh Gyan Vihar University International Journal of Climate Change and Water. ISSN

:2347-7741. (annual)

3.1.6 *How does the university facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the university?*

The University provides opportunity to visit eminent professor/scientist to the campus to enhance the teaching and as well the quality of the research. The concerned departments are benefitted from their experiences and contributions.

3.1.7 *What percentage of the total budget is year marked for research? Give details of heads of expenditure, financial allocation and actual utilization.*

The University has 5% budget for the research and supports to meritorious researchers. But there is no limit defined as such, in case the grant are required is more

3.1.8 *In its budget, does the university earmark fund for promoting research in its affiliated colleges? If yes, provide details.*

Not Applicable

3.1.9 *Does the university encourage research by awarding Post Doctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the university and other sources.*

Presently we do not have this system.

3.1.10 *what percentage of faculty has utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?*

Presently we do not have this system.

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.

Several National/International Conferences have been organized in front line research areas from time to time by the University and attracted a large number of renowned personalities from the country and abroad.

International level:

1. The University has held two conferences on international level on Convention on Climate change and water in Oct.2012/Oct.2013 (C3W-2012 and C3W3013). In the last C3W convention, more than 30 parallel Sessions were held.
2. International Conference on Convergence Technology and Management CTM-2014 held on 9 April 2014, in which more than 80 papers were submitted out of which 7 were from other countries.

National Level:

1. National level workshop on master trainers /Evaluators on new outcome based accreditation process held in Feb 2013.
2. National Seminar on Frontiers of Biosciences in New Millennium., 2006, Department of Biotechnology ,Gyan Vihar School of PG Studies.
3. National Seminar on frontiers of Biosciences -2008,Gyan Vihar School of PG Studies ,Jaipur
4. 1st Rajasthan Congress of Biosciences and National Seminar on Future Strategies For Biological Research, 2009, Suresh Gyan Vihar University Jaipur .
5. National Seminar on Frontiers of Biosciences ,School of Biosciences ,2010, Suresh Gyan Vihar University, Jaipur
6. International Convention on climate change and Water , Suresh Gyan Vihar University ,Jaipur ,2012.
7. National conference on “Environmental pollution -A Threat to our Biodiversity 2011”, Suresh Gyan Vihar University, Jaipur.
8. National Conference on “Developments of New Technologies in Biosciences 2011” organized by School of Sciences, Suresh Gyan vihar University, Jaipur, Rajasthan, India
9. National Conference on “secure data communication of Network 2011” organized by department of Computer Science & Engineering

Eminent participants in the Different Conferences held in Gyan Vihar University Jaipur

1. Dr. Vysetti Balaram, Chief Scientist & Head (National Geophysical Research Institute)
2. Dr M.M. Saxena, Professor & Head (Maharaja Ganga Singh University, Bikaner)
3. Dr Rajesh Sharma, Scientist (Wadia Institute Of Himalayan Geology)
4. Prof. Brij Gopal, Former Professor Of Environmental Science at the Jawaharlal Nehru University, New Delhi
5. Dr. Rashmi Sanghi , IIT Kanpur
6. Dr. A.K. Sinha, University of Rajasthan,Jaipur
7. Prof. (Dr.) K.K. Singh, Research Scientist, Bikaner
8. Dr. (Smt.) Indira S. Josh, Scientist 'D' in Indian Institute of Tropical Meteorology, Pune
9. Prof. N.D.Kaushik, Director, World College of Technology & Management, Gurgoan
10. Prof. G.D. Sharma, Professor, Department of Physics, JNU University, Jodhpur
11. Prof. Prabha Dashora, Professor, Department of Physics, University Of Rajasthan, Jaipur
12. Dr. SourenMitra Associate Professor Dept. of Production Engg., Jadavpur University, Kolkata 700 032, (West Bengal)
13. Shri Anantkumar J. UmbarkarAssistant ProfessorDept. of Information Tech.,Walchand College of Engg., Vishrambag, Sangli 416 415 (Maharashtra)
14. Prof.RamAvtarGupta ProfessorDept. of Electrical Engg. Malaviya National Institute of Tech. Jaipur 302 017 (Rajasthan)
15. Dr. Y.P.Mathur ProfessorDept.of Civil Engg. Malaviya National Institute of Tech. Jaipur302 017 (Rajasthan)
16. Dr.AnuragMishra ProfessorDept. of Civil Engg. Malaviya National Institute of Tech. Jaipur302 017 (Rajasthan)
17. Dr.S.C.Pathak Professor Dept. of Mechanical Engg. Malaviya National Institute of Tech. Jaipur302 017 (Rajasthan)
18. Prof.MoolSingh B-17, Staff Colony, MNIT Campus, Jaipur395 017 (Rajasthan)
19. Dr.S.L.Soni Professor Dept. of Mechanical Engg. Malaviya National Institute of Tech. Jaipur 302 017 (Rajasthan)
20. Dr.AshokKumarVyas Professor Dept. of Civil Engg. Malaviya National Institute of Tech. Jaipur 302 017 (Rajasthan)

21. Dr. Shyam Singh Tak [Former Professor, JNU University, Jodhpur & Chairman Rajasthan Public Service Commission, Jodhpur] Vatsalya, Road No.3, Adarsh Nagar, Lalsagar, Jodhpur 342 026 (Rajasthan)
22. Prof. Balbir Singh Tyagi [Former Professor, BHU, Varanasi] No.311, Sail Co-operative Group Housing Society, Plot No.35, Sector-4, Dwarka, New Delhi 110 075
23. Prof. Ved Ram Singh [Former Scientist-G, National Physical Laboratory, New Delhi] Flat No.35-B, Pocket-B, Siddhartha Extension, New Delhi 110 014
24. Dr. Gyan Prakash Govil Director Ideal Institute of Technology, Ghaziabad (Uttar Pradesh)
25. Dr. Dilip Rambhau Pangavhane Director [Technical] EdCil [India] Limited, [GOI Enterprise Under MHRD], EdCil House, 18-A, Sector-16A, Film City, Noida 201 301 (Uttar Pradesh)
26. Dr. Sudhir Kumar Professor Dept. of Civil Engg. Malaviya National Institute of Tech. Jaipur 302 017 (Rajasthan)
27. Shri A.K. Poonia Associate Professor & HOD Dept. of Biotech & Biomedical Engg., National Institute of Technology Raipur 492 010, (Chattisgarh)
28. Dr. Shampa Chakravorty Professor Dept. of Computer Science & Engg., Netaji Subhas Institute of Tech. [NIST] Sector-3, Dwarka New Delhi 110 078
29. Dr. Deepak Garg Dept. of Computer Science & Engg., Thapar University, Thapar Tech. Campus, Bhadson Road Patiala 147 004, (Punjab)
30. Dr. R.R. Joshi, Professor Dept. of Applied Mechanics, College of Engineering NH4, Shivaji Nagar, Pune 411 005 (Maharashtra)
31. Dr. Deependra Kumar Jha Professor & Senior Dean Dept. of Electrical Engg., Galgotias University, Plot No.2, Sector-17A, Yamuna Expressway Gautam Budha Nagar, Greater Noida 201 308, (Uttar Pradesh)
32. Dr. Siba Ram Khara Professor & Dean School of Electrical, Electronics & Commn. Engg., Galgotias University, Plot No.2, Sector-17A, Yamuna Expressway Gautam Budha Nagar, Greater Noida 201 308, (Uttar Pradesh)
33. Mr. Sudheer Kumar Sharma Professor & Dean School of Computing Science & Engg., Galgotias University, Plot No.2, Sector-17A, Yamuna Expressway Gautam Budha Nagar, Greater Noida 201 308, (Uttar Pradesh)
34. Dr. Virendra Pathak Associate Professor Dept. of Civil Engg., Institute of Engineering & Technology Gautam Buddha Technical University, Sitapur Road, Lucknow 226 021, (Uttar Pradesh)

35. Prof. Mukesh Pandey Professor & Dean Dept. of Energy Technologies Rajiv Gandhi
Proudyogiki Vishwavidyalaya [Technical University] SH-18, Airport Bypass Road, Bhopal
462 036, (Madhya Pradesh)
36. Dr. Sanjeev Sharma Professor & Head School of Information Tech., Rajiv Gandhi
Proudyogiki Vishwavidyalaya [Technical University] SH-18, Airport Bypass Road, Bhopal
462 036, (Madhya Pradesh)
37. Dr. Vijay Gupta Professor & Head Dept. of Dept. of Mathematics Rajiv Gandhi
Proudyogiki Vishwavidyalaya [Technical University] SH-18, Airport Bypass Road, Bhopal
462 036, (Madhya Pradesh)
38. Dr.S.S. Tog, Former Professor Prod. & Ind. Engg JNVU Jhodpur.
39. Prof. Mala from Narsee Mongee Institute, Mumbai

3.2 Resource Mobilization for Research

3.2.1 *What are the financial provisions made in the university budget for supporting students' research projects?*

University has provisions and provides the needy research students the Teaching Assistance where he takes up some teaching assignments and can carry-out his research. The University also grants /sanctions financial aid for students research project.

3.2.2 *Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?*

The University encourage the faculty to apply for the patents for their innovative work and the University provides financial support for Registration fee of Patents. So far, this academic year application for one patent registration has been filed.

3.2.3 *Provide the following details of ongoing research projects of faculty.*

Faculty members awarded by projects at National level are:

1. Dr. T. K. Jain Rs. 8,00,000/- by AICTE
2. Mr. Sandeep Bhargava Rs. 2,50,000/- by AICTE

(Detailed information shall be provided to the Peer Team at the time of their visit.)

	Year wise	Number	Name of the project	Name of the funding agency	Total grant received
A. University awarded projects					
Minor projects					

Major projects					
B. Other agencies - national and international (specify)					
Minor projects					
Major projects					

3.2.4 *Does the university have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.*

Nil

3.2.5 *How many departments of the university have been recognized for their research activities by national / international agencies (UGC-SAP, CAS; Department with Potential for Excellence; DST-FIST; DBT, ICSSR, ICHR, ICPR, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.*

Nil

3.2.6 *List details of*

a. research projects completed and grants received during the last four years (funded by National/International agencies).

b. Inter-institutional collaborative projects and grants received

i) All India collaboration

ii) International

Will be provided to the Peer Team at the time of their visit.

3.3 *Research Facilities*

3.3.1 *What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?*

The SGVU has build-up and provided the infrastructure to facilitate the research and as well supports the research equipments. Many centers have been set up to promote the interdisciplinary research to meet the needs of the researchers in emerging fields as follows:

Centre of Excellence for solar energy research and utilization

Centre on Climate Change & Research

Centre for Air & Water Modeling

Knowledge Dissemination Centre

Solar Park

3.3.2 *Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, provide details of the facility.*

The University has an Information Centre for making available the complete information about the research project completed/on-going research projects and it is under the administrative control of Dean-Research.

3.3.3 *Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?*

No.

3.3.4 *Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?*

University has a Guest House with 10 furnished rooms and is provided to visiting academicians/scientists/scholars/post doctoral fellows. The Hostel facilities is also provided to scholars/students and has Wi-Fi facility.

3.3.5 *Does the university have a specialized research centre/ workstation on-campus and off-campus to address the special challenges of research programmes?*

The University established a SOLAR PARK (with more than 1000 sq m area) with Centre of Excellence for Solar Energy Research & Utilization and as well for interdisciplinary research. In addition to it, installation of 100kW solar power station and weather station is in progress.

3.3.6 *Does the university have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.*

The University has a weather station and a solar energy centre and the data generated by it shall be useful to researchers in the University and by the other workers outside the University

3.4 Research Publications and Awards

3.4.1 *Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.*

The University brings out four journals besides the proceedings of the seminars/conferences/convention held/organized by the University from time to time as follows:

1. Journal of Engineering and Technology.
2. International Journal of Environment Science and Technology.
3. International Journal of Economics and Management.
4. Journal of Climate Change and Water.

3.4.2 *Give details of publications by the faculty:*

- * *Number of papers published in peer reviewed journals (national / international)*
- * *Monographs*
- * *Chapters in Books*
- * *Books edited*
- * *Books with ISBN with details of publishers*
- * *Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, EBSCO host, etc.)*
- * *Citation Index – range / average*
- * *SNIP*
- * *SJR*
- * *Impact Factor – range / average*
- * *h-index*

Will be provided to the Peer Team at the time of their visit.

3.4.3 *Give details of*

- * *faculty serving on the editorial boards of national and international journals*
- * *faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies*

	Name of the Faculty	Name of the Journal	Member of Editorial Board of Journal/ REVIEWER/ REFEREE OF JOURNAL
1.	Dr.T.K.Jain	<ul style="list-style-type: none"> · Economic Challenger · Nepalese Banking Journal · ASAC · International Journal on New Practices in management & engineering. 	Member of Editorial Board

		<ul style="list-style-type: none"> · Journal of economics & Management · Suresh Gyan Vihar University-International Journal Of Economics & Management 	chief Editor
2.	Dr.Renu Pareek	<ul style="list-style-type: none"> · Suresh Gyan Vihar University-International Journal Of Economics & Management · The Standard International Journal · European Journal of Management & Research 	Member of Editorial Board
3.	Ritu Dixit	<ul style="list-style-type: none"> · Suresh Gyan Vihar University-International Journal Of Economics & Management 	Member of Editorial Board
4	Dr. Ruchi Goyal	<p>Engineering Management Research Canadian Center of Science and Education ISSN 1927-7318 (Print) ISSN 1927-7326 (Online)</p> <ul style="list-style-type: none"> · Reviewer African Journal of Business Management ISSN (1993-8233) · Editor Case study development centre- SGVU 	Member of Editorial Review board
5	Dr.Preeti Sharma	<ul style="list-style-type: none"> · Suresh Gyan Vihar University-International Journal Of Economics & Management 	Member of Editorial Board
6	Dr.Ram Garg	<ul style="list-style-type: none"> · Suresh Gyan Vihar University-International Journal Of Economics & Management 	Member of Editorial Board

3.4.4 Provide details of

* *Research awards received by the faculty and students*

The awards received by the faculty / students are as follows:

Dr.P B L Chaurasia Dean-Engineering & Director, Centre of Excellence for Solar Energy Research & Utilization:

S. No	Award	Year	Awarding agency	Award detail	Amount	Remarks
National Awards						
1.	NRDC Invention Award	1990 Republic Day Award	N.R.D.C. New-Delhi (Govt. of India)	Invention for development of Solar Candle making Machine	Rs. 25000/- with certificate	Award for meritorious invention
2.	Kheti Award	1986	I.C.A.R., New-Delhi (Govt. of India)	Development of Solar gadgets for farmers	Rs.2000/- with certificate	Award for rural energy development
3.	India Excellence Award	2000	F.F.I., New-Delhi	Life time achievements on the R & D work in solar energy	Gold medal with certificate	Award for Development of various solar gadgets
International Awards						
4.	Incoming International Fellowship -Award	2007	European Commission, Belgium	Development of new Solar Technology for Power Generation at UK	Rs.4.80 Lakh P.M.	Worked with International team of Scientist for 2 years at UK
5.	S.T.A.Post Doctoral Fellowship -Award	2000	Japan Science & Technology Agency, Japan	Hydrogen Fuel Cell and Chemical Engineering R & D work at Japan	Rs.1.80 Lakh P.M.	Worked with leading Japanese scientists at Energy Institute, Japan
6.	E.C. Post Doctoral Fellowship -Award	1994	European Commission, Belgium	Advanced Solar Energy Research Work at UK	Rs.1.44 Lakh P.M.	Worked with leading UK scientists at Demontfort University, UK

* National and International recognition received by the faculty from reputed professional bodies and agencies:

1.Dr.P B L Chaurasia

1. European Commission, Belgium honoured Dr Chaurasia with the award of Incoming International Fellowship to work with International team at the University of Birmingham, UK for 2 years from June 2007 to June 2009.
2. Japan Science & Technology Agency invited Dr Chaurasia to work at its famous ETL laboratory, Tsukuba, Japan.
3. European Commission awarded & provided the opportunity to work on the advances in

solar energy at the AMSET Center, Demontfort University, UK.

Awards of C A Department

1. Prestigious 'BHARAT JYOTI AWARD – 2013' alongwith 'Certificate of Excellence' given by Former Governor of Assam and Tamilnadu Hon. Bhismanarayan Singh in presence of Former Chief Election Commissioner, Govt. of India Mr. G.V.G. Krishnamurthy, and former Director of CBI, Gov. of India Dr. Joginder Singh at India International Centre, New Delhi on June 10th, 2013 during the seminar 'Economic Growth & National Integration'.
2. SHIKSHA BHUSHAN AWARD given by the Governor of Gujarat Pt. Nawal Kishore Sharma on April 5, 2009 for contribution to the field of Computer Science and Education.

3.4.5 *Indicate the average number of successful M.Phil. and Ph.D. scholars guided per faculty during the last four years. Does the university participate in Shodhganga by depositing the Ph.D. theses with INFLIBNET for electronic dissemination through open access?*

Average number of successful Ph.D Scholars - 2

guided per faculty during the last four years

Participation in Shodhganga - Yes

3.4.6 *What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.*

Plagiarism is checked for the M.Tech and Ph.D thesis. The University does not consider the thesis if it exceed beyond certain limit specified by the University. The University will take the action whenever the plagiarism cases is reported.

3.4.7 *Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?*

The University has established the Centre of Excellence for the solar energy Research & Utilisation with solar lab & solar park to work on the energy using the expertise from the different disciplines (interdisciplinary research work).

3.4.8 *Has the university instituted any research awards? If yes, list the awards. Institution of the awards by the University based on extra-ordinary research work in is*

progress.

NOT YET

3.4.9 *What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?*

The University considers career promotion of the faculty on personal appraisal system (self assessment report) based on research publications, presenting papers and chairing sessions in national and international conferences and for successful completion of research projects etc. The scheme has provision for those who receive national and international recognition, get patents and write books and suitable honored by the University.

3.5 **Consultancy**

3.5.1 *What is the official policy of the university for structured consultancy? List a few important consultancies undertaken by the university during the last four years.*

The Department of Management Studies offered consultancy to the Rajasthan State Food Civil Supplies corporation , A unit of Rajasthan Government for development of Marketing Strategy and product pricing for non-PDS items such as tea, salt, pulses, washing & bathing soap and other grocery items , with the objective to find out the major factors which contribute to the sale of products. to explore the satisfaction level of (consumer) to collect different types of views of investors about the products, to bring in the lime light consumer's perception about the products and services of RSFC, to find out the most potential Customer and the most potential seller in Rajasthan.

Apart from the above many eminent faculty members of various departments provide consultancy to many NGO's and private organisation.

3.5.2 **Does the university have a university-industry cell? If yes, what is its scope and range of activities?**

The Institute has an active Industry-Institute Partnership Cell and Corporate Training School which oversees interaction with industries and corporate establishments. The activities of this Cell are:

1. A large number of job-oriented courses and Corporate trainings are offered for students and unemployed graduates.
2. Management Development Programs are organized for corporate houses.
3. A Liaison between the Institute and industry is established for consultancy.

4. Summer training of students is arranged.

3.5.3 What is the mode of publicizing the expertise of the university for consultancy services? Which are the departments from whom consultancy has been sought?

The ISBM is the school of management, which has received request for consultancy. This department has provided consultancy to RSFCSC. Besides consultancy, it has also provided corporate training for management development to the following organisations:-

Jaipur Metro

Hotel Country Inn and Suites

Rajasthan Knowledge Corporation Ltd. (RKCL)

A few of these training sessions are available on www.youtube.com also. The beneficiaries of the consultancy and corporate training programmes have been recommending ISBM to other organisations also.

3.5.4 *How does the university utilize the expertise of its faculty with regard to consultancy services?*

Since the area of consultancy is relating to marketing and pricing, the faculty members working in the area of marketing, pricing, business development, entrepreneurship are involved in preparing strategies and in offering consultancy. We have also provided training to the employees of the client so that they may perform better. ISBM has set up a separate Marketing and Advertising Research Lab to undertake research in marketing sector. ISBM has following faculty members dealing with marketing research : -

1. Dr. Renu Pareek
2. Dr. Ruchi Goyal
3. Ms. Swati Mishra
4. Mr. Deep Mathur

3.5.5 *List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.*

The University provides consultancy in marketing, product development, logistics, training, employee development, organisational development, team building etc. The university generated revenue of Rs. 6.26 lac in the form of consultancy fee during the last four years.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 *How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.*

One of the biggest convention held in Northern India C3W year every in October has prime focus on generating awareness and sensitizing the youth of the Institution towards their role in caring and nurturing the climate so that the Civil society shall be benefited at large.

Apart from that various communities of students do charity work like collecting and providing clothes to poor & less privileged part of our society.

Tree plantation and blood donation campus are being organized time and again for the social cause.

3.6.2 *How does the university promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?*

Through its research activities like Centre for Air & Water Modelling (CAWM), Knowledge Dissemination Centre (KDC) & Centre for Climate Change & Research (C3R) the university promote university-neighborhood network which contribute to sustained community development. The students are trained through community and other forums for the sustained community programme. Through blood donation camps and rural development our endeavor is to increase the university - neighborhood network and inculcate the spirit of community togetherness.

Annual Event/ Convention

Suresh Gyan Vihar University, Jaipur organised a three days Convention on

Climate Change and Water, at University Campus, Jaipur, (SGVU-C3W) in month of October every year. Over the past 10 years, the issue of changes in climatic

conditions around the world has become a major focus in the international debate on environment and development. There is mounting evidence that our climate is changing and will continue to change for the foreseeable future. It has to be

assessed, adapted and mitigated by overall efforts.

The objective of the convention was to bring together – experts, stakeholders, academicians, researchers, scientists, government officers, entrepreneurs, innovators, practitioners, livelihood activists, opinion leaders and spirited individuals collectively to a platform for scientific, social, economical and political deliberations and interactions.

The focus of the convention was on following areas –

- Climate Change Assessment
- Climate change impacts assessment
- Climate change Adaptation & Mitigation measures
- Role of innovative Technology & Infrastructure in climate change adaptation and mitigation
- Green Technologies & Green Chemistry
- Agriculture and food security in climate change scenario: Assessment, Impact and Mitigations
- Green Energy and Renewable energy
- Bio-fuel and other alternative energies
- Health & Climate change: Assessment Impact and mitigations
- Sustainable development Green House Gas (GHS) Emission issues
- Carbon emission reduction schemes
- Clean development mechanism
- Achievements and failures of Rio+20
- Diplomatic stand of BASIC and NON-BASIC countries on GHS reduction and Climate change.
- Benefits of the Climate Change
- Climate Change and development policy
- Green Economy

- Water and Climate change. Global, Regional and Local Scenario
- Indian water scenario and River interlinking: Past and future

3.6.3 *How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/International programmes?*

In order, to promote the participation of the students and faculty in extension activities, the University has formed 12 community forum. Each forum has 100 enrolled students and all forums are supported by all the faculty members. The students during their joining the University are encouraged to join as volunteers in the community forums. Volunteers are also encouraged to get themselves involved in Environmental awareness, health management and community development programs. In this activity the volunteers attend 1 day, 3 days and 10 days camp. The University is in the process of forming NSS.

Gandhian leader and National Youth Project president S.N. Subba Rao organized a youth camp at the Suresh Gyan Vihar University from May 25 to 31 to promote national unity and integrity.

3.6.4 *Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?*

University is planning to undertake such type of work in near future.

3.6.5 *Does the university have a mechanism to track the students' involvement in various social movements / activities which promote citizenship roles?*

The University with the active support of Faculty members and students as volunteers organizes many awareness programmes like workshops, exhibitions, etc as an extension activity to help the community.

The extension activities help the volunteers in the following:-

- to decide, plan and take action to meet their own needs with the help of available outside resources
- to create awareness regarding health, hygiene, environment, sanitation, water conservation, etc.
- to develop a sense of self-help, mutual support, the building up of neighbourhood integration, the development of neighbourhood capacities for problem-solving and self-representation
- taking account of the interrelation between different services in planning for people
- forecasting necessary adaptations to meet new social needs in constantly changing circumstances

- to become self reliant, self sufficient using local resources.

The extension activities help the community in the following:-

- To induce awareness in the community about dowry, girl infanticide, rights to information as well as infusing self confidence among the scheduled caste, schedule tribes, other backward community and BPL community.

3.6.6 *Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.*

Organising various social, technical and cultural events have a very good impact on students basic learning methodology, they also have impact on various technical domains on the students alongside these events influence the personality of the students too.

The values and skills learnt by the student are:

- Team work
- Managerial skill
- Awareness of latest trends & techniques
- Strive more phenomenon is generated amongst students
- Sensitivity towards mankind and nature is also increased.

3.6.7 *How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.*

The faculty members of the concerned department on a regular basis visit various Institutes / Colleges and Training Centres and provides counseling to the students and creates awareness about the various carrier opportunities available, latest courses and up coming innovative technologies. The university has a feedback system through which feedback is taken from these Institutes / Colleges and Training Centres. A comparison is drawn about the current academic curricula with the help of the feedback collected and, if needed, the academic curricula are updated accordingly.

Through its Community Valued Programme, the University creates an environment in which all SGVU community members strive to align their actions with organization's values. Through speakers, forums, outreach events, informal conversations, and special initiatives, the Community Valued Programme

seeks to help community members keep value-based decision-making at the top of one's mind. Each community forum has been designated with a specific program as follow:-

- GREEN: Environment Community
- SPORTY: Sports Community
- MAXI: Books Community
- SAFE: Transport Community
- INNOVATIONS: Robotics Community
- AXIS: Marketing Community
- AXIOM: Creative Cooking Community
- CRESCENT: Entrepreneurship Community
- CRONUS: Soft Skills Community
- SEEDS (Socio-Economic and Education Development Society): Social Activity Community
- WELLNESS: Stay Fit Community
- RHYTHM: Cultural, Dance, Drama AND Music Community

Specific time slot has been allocated in the time table. Students are given dedicated hours. Their specific marks are allocated in DECA.

3.6.8 *Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.*

SGVU has been awarded as best e-campus for e-governance project in 2013 at New Delhi.

3.7 Collaboration

3.7.1 *How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?*

The University's collaboration with industrial/commercial organizations and Government agencies has helped the university to undertake diverse academic and research activities. The collaboration also helped in enhancing branding of university.

3.7.2 *Mention specific examples of how these linkages promote*

- * *Curriculum development*
- * *Internship*
- * *On-the-job training*
- * *Faculty exchange and development*
- * *Research*
- * *Publication*
- * *Consultancy*

- * *Extension*
- * *Student placement*
- * *Any other (please specify)*

Curriculum development:

Due to our linkages with industry and professional bodies we are able to develop new academic programs like B.Com in Corporate Secretaryship in association with Institute of Company Secretary and B.Com in Management Accounting in association with Chartered Institute of Management United Kingdom. Our linkages with Government Department and Ministries like Department of Science and Technology, Ministry of Environment and Forest has enabled us to develop courses like M.Tech in Energy Engineering, M.Sc Green Chemistry, M.B.A-Sustainable development etc.

Internship & On-the-job training:

Our linkages enable many of our students to do their summer internship program in HMT, Rajasthan State Electricity Board & many other premier institutes like NBC etc.

Faculty exchange & development:

University is in the process of introducing sabbatical leave for faculty to facilitate faculty exchange & development programs.

Research & Publication

Our faculty published many research papers in association with faculty of other Institutions/Universities.

Student placement

Almost 50 reputed companies visited our campus for student's placement during the academic year 2013-14 due to our linkages.

3.7.3 *Has the university signed any MoUs with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?*

IMI University Centre, Switzerland

Suresh Gyan Vihar University, Jaipur has established academic collaboration with the IMI University Centre, Seeacherweg 1, CH 6047 Kasanienbaum, Switzerland. The general Academic collaboration will be focused on the following areas:

- Academic Cooperation in areas allied with Curriculum development.
- Up gradation of Syllabus and facilitating the academic research.
- Faculty development Programme for faculties.
- Developing a robust student/faculty exchange programme.
- Joint Dual Degree/Diploma/Certificate programme to enhance the value propositions.
- Joint conferences and Seminars in the areas of common interest.
- Study tours and short term Training Programme.
- Transfer of students.

Steinbeis Corporation, Germany

Suresh Gyan Vihar University Technology centre in collaboration with Steinbeis Corporation, Germany work on “IT System Integration”, where various services will be provided to the Industry’s Research & Development wing, which includes

- Networking Solutions
- Web Solutions
- IT Business Integration
- Multimedia Solutions

Work is being carried out to develop latest IT tools at our Technology Centre, which will be 100% marketable and will be first one to be available to industry.

Education Consultants of India Ltd. (EdCIL)

The Education Consultants of India Ltd. (EdCIL) and Suresh Gyan Vihar University has entered in to an MOU for the admission and placement of foreign students to Suresh Gyan Vihar University, Jaipur. EdCIL (India) Ltd. is a public Sector Undertaking affiliated to the Ministry of Human Resources Development Government of India. EdCIL has provided the foreign students admission to SGVU. Five students from Nepal have taken admission in SGVU in B.Tech. courses. More students are willing to take the admission in SGVU through EdCIL as we have received a formal request from them for the admission.

3.7.4 *Have the university-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?*

No, so far highly specialized Laboratories / Facilities have not been developed in

collaboration with any industry but the university is trying its best to develop such Laboratories in near future. Some of the minor achievements of university – industry interactions are given below:

a) Curriculum development

Various experts from collaborative organizations / industries / institutes are invited in the meetings of Board of Studies and Faculty of relevant subjects. The feedback and suggestion provided by the collaborating organizations / industries / institutes are measured and if needed are implemented while revising curricula after obtaining due justification from the concerned authorities.

b) Internship

On a regular basis, the students are sent to various collaborative organizations / industries / institutes for doing their internship as well as diploma projects on emerging field which results in employability skills.

c) On-the-job training

The students from PG course like M.Tech., M.Sc. Biotechnology, MBA etc. are sent to various collaborative organizations / industries / institutes for doing their on the job training where they have hands on practical experience.

d) Faculty exchange and development

In some areas of collaborations, the experts from different organizations are visiting departments to participate in teaching programmes. Recently, the University has sent the faculty members to Infosys to attend FDP on “Train the Trainer” scheduled from 2nd Nov 2011 to 11th Nov 2011.

e) Research

The University is engaged in various collaboration activities of individual at institutional level for research work.

f) Consultancy

Consultancy services are offered for assessment of environmental impact, geo resource prospecting and utilization, etc.

g) Extension

Environmental quality improvement joint programmes are organized on a regular basis.

h) Publication Several Faculty members in collaboration with other organizations /

industries / institutes have joint publication of books, compendia and other material.

i) Student Placement

Workshops with collaborative organizations / industries / institutes are organized in campus on a regular basis for student's placement activities.

Any other information regarding Research, Consultancy and Extension, which the university would like to include.

XX

Publications of faculty:

(1) Prof. D N Rao (President)

Research Publications of Dr. D.N. Rao

I. E-Journals (Social Sciences Research Network, New York, USA; URL: www.ssrn.com) My Papers Dabbeeru Neelakanteswar Rao; <http://ssrn.com/author=343699> (My author rank is 592 out of 180697 authors from all over the world). All the papers listed below are freely downloadable from www.ssrn.com

1 A Study of Information Needs of Mutual Funds Investors & Implications for Web Based Marketing of Mutual Fund Products. D.N. Rao and Almadhi, S. Available at SSRN: <http://ssrn.com/abstract=1703092>; Date posted to database: November 4, 2010

2 Efficiency of Indian Commodities Market: A Study of Agricultural Commodity Derivatives Traded on NCDEX. G.Kaur and D.N. Rao Available at SSRN: <http://ssrn.com/abstract=1600687>; Date posted to database: May 5, 2010

3 Portfolio Turnover and its Effect on Performance of Equity-Oriented Mutual Fund Schemes: An Empirical Study in the Indian Context. D.N. Rao Available at SSRN: <http://ssrn.com/abstract=1549878>; Date posted to database: Feb 8, 2010

4 Investment Patterns and its Strategic Implications for Fund Managers: An Empirical Study of Indian Mutual Funds Industry. D.N. Rao & S.B. Rao Available at SSRN: <http://ssrn.com/abstract=1538491>; Date posted to database: Jan 18, 2010

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6 Marketing of Mutual Fund Products Through Retail Banks in India: An Empirical Study of Customers' Perception. G.S. Popli & D.N. Rao Available at SSRN: <http://ssrn.com/abstract=1469700>; Date posted to database: Sept 10 , 2009

7 Do the Spot Prices Influence the Pricing of Future Contracts? An Empirical Study of Price Volatility of Future Contracts of Select Agricultural Commodities Traded on NCDEX (India). G. Kaur & D.N. Rao Available at SSRN: <http://ssrn.com/abstract=1469700>; Date posted to database: Sept 10 , 2009

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11 Customer Relationship Management in Indian Banks, G.S. Popli & D.N. Rao Available at SSRN: <http://ssrn.com/abstract=1373592>; Date posted to database: April 6, 2009

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13 An Empirical Study of Bancassurance: Prospects & Challenges for Selling Insurance Products Through Banks in India, D. N. Rao & G.S. Popli Available at SSRN: <http://ssrn.com/abstract=1339471>; Date posted to database: February 8, 2009

14 Exchange Rate Volatility & Implications for Saudi Arabia's Foreign Trade, D.N. Rao Available at SSRN: <http://ssrn.com/abstract=987243>; Date posted to database: May 17, 2007

15 Analyzing Style Biases and Performance of Funds, D.N. Rao Available at SSRN: <http://ssrn.com/abstract=980268>; Date posted to database: April 13, 2007

16 Saudi Arabia's Accession to WTO: Future Challenges, D.N. Rao Available at SSRN: <http://ssrn.com/abstract=957589>; Date posted to database: January 16, 2007

17 Analysing Risks of Foreign Direct Investment in Emerging Economies: A Case-Study of Saudi Arabia, D.N. Rao Available at SSRN: <http://ssrn.com/abstract=955264>; Date posted to database: January 5, 2007

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Available at SSRN: <http://ssrn.com/abstract=952975>; Date posted to database: December 21, 2006

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- 29 A Study of Entrepreneurial Orientation & Inclination for Entrepreneurial Career of Engineering Students.G.S.Popli & D.N. Rao Available at SSRN:<http://ssrn.com/abstract=1530288>; Date posted to database: Jan 1, 2010
- 30 Prospects and Challenges for SMEs in Post WTO Era: An Empirical Study of Furniture Manufacturing SMEs in India. G.S.Popli & D.N. Rao Available at SSRN:<http://ssrn.com/abstract=1482622>; Date posted to database: Oct 4, 2009

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32 An Empirical Study of SMEs in Electronics Industry in India: Retrospect & Prospects in Post WTO Era Available at SSRN: <http://ssrn.com/abstract=1459809>; Date posted to database: Aug 23 , 2009

33 Prospects and Challenges for SMEs in Textile Sector in the Post WTO Era: An Empirical Study in the Indian Context. G.S. Popli & D.N. Rao Available at SSRN: <http://ssrn.com/abstract=1456884>; Date posted to database: Aug 31 , 2009

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“Investment Styles and Performance of Equity Mutual Funds in India”, in “Mutual Funds: Perspectives and Cases”, ICFAI, Hyderabad, India.

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(2) Dr P B L Chaurasia

List of Publications of Dr. P.B.L. Chaurasia

(R & D work on Fuel cell Engineering, Solar energy Engineering and Heat transfer)

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9. **P.B.L.Chaurasia**, Y.Ando and T.Tanaka, Investigation on Proton Exchange Membrane fuel cell for solar power generation, Int. J. Sustainable Energy, 26 (2007)107-119 (ISSN 1478-6451).

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14. **PBL Chaurasia**, N.Panja and K. Kendall, Performance study of power density in PEM fuel cell for power generation from solar energy, Int. J. Renewable Energy, 36(2011)3305-12.
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 9. **Paper titled “A Research Study on Accountability of Dynamic IP Generation in a Campus Network (Wi-Fi)” in International Journal of Computer Science and Information Technologies** (ISSN: 0975-9646, September-October 2011, Volume 2(5),2011, 1965-1970).(<http://ijcsit.com/ijcsit-v2issue5.php>)
 10. **Paper titled “Piecewise Vector Quantization Approximation for Efficient similarity analysis of time series in Data Mining” in International Journal of Advances in Engineering and Technology (IJAET)** (ISSN: 2231-1963, Sept 2011. ŠIJAET. ISSN: 2231-1963. 384. Vol. 1, Issue 4, pp. 384-387) (**Sept 2011. ŠIJAET. ISSN: 2231-1963. 384. Vol. 1, Issue 4, pp. 384-387**)
 11. **Paper titled “An Effective way of Knowledge Representation by FRS” in International Journal of Advance Research in Computer Science** (ISSN: 0976-5697, September-October 2011, Volume 2(5), <http://www.ijarcs.info/>)
 12. **Paper titled “An Efficient Approach of Fast External Sorting Algorithm in Data Warehouse” in Journal of Computing (VOLUME 3, ISSUE 8, AUGUST 2011, ISSN 2151-9617.** (<http://www.scribd.com/doc/64328438/An-Efficient-Approach-of-Fast-External-Sorting-Algorithm-in-Data-Warehouse#download>).
 13. **Paper titled “Communication Models in Mobile Computing Systems” in International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences (IJ-CA-ETS), Amoghsiddhi Education Society.**(ISSN: 0974-3596, October '08 – March '09, Volume 1 : Issue 2)
 14. **Paper titled “Deployment of IPv6 Technology in India, Issues and Solutions” in International Journal of Computer Applications in Engineering, Technology and Sciences (IJ-CA-ETS), Amoghsiddhi Education Society.**(ISSN: **0974-3596, October '09 – March '10, Volume 2 : Issue 1**)
 15. “Identify and Handling of Risk Analysis by Parallelism” in Global Journal of Computer Science and Technology Volume XIII Issue IX Version I (D) Year C 2013.
 16. “Statistical Results of IPsec in IPv6 Networks” in International Journal of Computer Applications 79(2):14-19, October 2013, Published by Foundation of Computer Science, New York, USA.
 17. “A PREDICTIVE CODING METHOD FOR LOSSLESS COMPRESSION OF IMAGES”, Council for Innovative Research Peer Review Research Publishing System, INTERNATIONAL JOURNAL OF COMPUTERS & TECHNOLOGY, Vol 7, No 3, ISSN 22773061.
 18. “Performance Analysis Of K-Means Clustering And K-Means Clustering With Improved Initial Means”, International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 4, April – 2013, ISSN: 2278-0181.

19. "Noise attack analysis on Non Blind DWT Watermarking Algorithm", International Journal of Emerging Technology and Advanced Engineering, ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 3, Issue 7, July 2013.
20. "Detection of Black Hole Attack In MANET", Using FBC Technique, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 2, Issue 2, March – April 2013 ISSN 2278-6856
21. "A Token Based MAC Protocol – To Reduce Energy Consumption in Wireless Sensor Network", International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 2, Issue 3, May – June 2013 ISSN 2278-6856.
22. "Quantum Cryptography enhancement of QKD EPR protocol & identity verification", International Journal of Engineering Sciences & Research Technology, ISSN: 2277-9655, October, 2012.
23. "Optimal Feature Selection for Movie Reviews", International Journal of Advanced Research in Computer Science and Software Engineering 3 (4), June - 2013, pp. 1-6
24. "Subjectivity detection and Semantic orientation based Methods for Sentiment Analysis", International Journal of Scientific & Engineering Research, Volume 4, Issue 9, Aug 2013, ISSN 2229-5518

INTERNATIONAL CONFERENCE

1. **Paper titled "Performance Analysis of IPv4 v/s IPv6 in Virtual Environment using UBUNTU" in International Conference on communications and networks CSI-COMNET-2011, DEC. 4-6,2011 organized by SIG-WNs, Division IV CSI, College of Technology & Engineering, Udaipur and Techno India NJR Institute of Technology , Udaipur in association with IEEE and CSI.**
2. **Paper titled "IPv6 Network Security Threats" International Conference on Web based learning ICWLLM-2011 February organized by JECRC foundation.**
3. **Paper titled "Networking Communities –A pool of Talent" in IES International HR Conference for the Theme "Impact of Technology on HR", dated 6th February 2009 organized by Indian Education Society in Mumbai.**
4. **Paper on "Effective Data Governance" in International Conference on Indigenous Management Practices to be organized on July 16th – 18th 2009 organized by Department of Business Administration, Annamalai University, Tamilnadu, INDIA**

NATIONAL CONFERENCE

1. **Paper titled "Media Convergence And Cyber Space: Towards An Opportunity" in National Conference on "Recent trends In Information Technology: Opportunities And Challenges" sponsored by AICTE, New Delhi organized by S.S.Jain Subodh P.G. College on July 31st –August 1st, 2008.**
2. **Paper titled "Mobile Agents For Mobile Computing" in National conference on Innovations in Engineering& Technology (IET 2008) 15th September 2008 Takniki Shiksha Vidyarthi Parishad in association with Poornima Group of Colleges, Jaipur.**
3. Paper titled "IPv6: The Next Generation Internet Protocol Transition Mechanisms" in National Conference on Recent Trends in Information Technology: Opportunities and

- Challenges Sponsored by University Grants Commission organized by S.S.Jain Subodh PG College on 26th and 27th February 2010. (ISSN 0975-9875)
4. Paper titled “IPv6 Upgradation - An Engineering Exercise or a Necessity?” in Proceedings of the 4th National Conference INDIACom-2010 Computing For Nation Development jointly with CSI and IETE Supported by AICTE, Ministry of Communications and Information Technology and council of Scientific and Industrial Research organized by Bharati Vidyapeeth’s Institute of Computer Applications and Management, New Delhi in February 25 – 26, 2010.(ISSN 0973-7529, ISBN 978-81-904526-9-4)
 5. **Paper titled “Issues in IPv6 Addressing Architecture“ National Conference on Computational technologies and e-governance NCITG November19th and 20th 2010 organized by department of CS & IT at Laxmi Devi Institute of Engineering Technology, Alwar.**
 6. **Paper titled “Federated Database Technology: Impact & Issues“ National Conference on Secure Data and Communication Networks SDCN-2011 March 30th and 31st 2011 organized by department of CSE in SGVU.(ISBN: 978-81-7906-273-9)**
 7. **Paper titled “Issues in IPv6 Multihoming“ National Conference on Secure Data and Communication Networks SDCN-2011 March 30th and 31st 2011 organized by department of CSE in SGVU.(ISBN: 978-81-7906-273-9)**

EC Department

1. **Sandhya Sharma** published the paper “A novel Approach for sound Articulation in Hearing aid using Wavelet analysis” in 2nd International Conference on IT & Business INTELLIGENCE (ITBI10) AT Nagpur.
2. **Sandhya Sharma** published the paper “Energy Efficient Virtual MIMO-based Cooperation Communication in Wireless Sensor Network” National Conference on Recent advances in electronics Telecommunication & computing control at Arya College of engineering Jaipur.
3. **Sandhya Sharma** published the paper ”Variation in Inset parapeters of Microstrip Patch Antenna for Improved Performance ” Published in International Journal of Engineering Research and Application(IJERA) ISSN: 2248-9622 , Vol. 2, Issue 5, September –October 2012, Page no.2225-2227.
4. **Sandhya Sharma** published the paper,”Design and Simulation of E-Shape Microstrip Patch Antenna for Wideband Applications” Published in International Journal of Soft Computing and Engineering(IJSCE) ISSN: 2231-2307 , Volume-2, Issue-3, July 2012, Page no.275-280.
5. **Sandhya Sharma** published the paper,”Bandwidth Enhancement In Wireless Applications By Using H-Shape Slot Microstrip Aperture Coupled Antenna” Published in International Journal of Engineering Research and Application(IJERA) ISSN: 2248-9622 , Vol. 2, Issue 5, September -October 2012, Page no.1932-1935.
6. **Sandhya Sharma** published the paper, “Optical Fiber Communication System Performance Using MZI Switching” Published in International Journal of Soft

Computing and Engineering (IJSCE) ISSN: 2231-2307 , Volume-2, Issue-3, July 2012, Page no.98-107.

7. **Sandhya Sharma** published the paper, “Performance Evaluation of TCP variants under Different node using OPNET Simulator “Published in International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307 , Volume-2, Issue-5, Nov. 2012.
8. **Sandhya Sharma** published the paper “Optical Time Division Multiplexing System Performance and Analysis Using MZI Switching” Published in International Journal of Innovative Technology and Exploring Engineering(IJITEE) ISSN:2278-3075,Vol-1,Issue-2,July 2012.
9. **Sandhya Sharma** published the paper, “Performance Analysis of Microstrip Patch Antenna with EBG Structure” Paper Presented in National Conference MNIT Jaipur.
10. **Sandhya Sharma** published the paper “Analysis and Design of Slot Antenna using Gap Feeding & Microstrip Feeding Techniques” Paper published in International journal of Engineering & Advanced Technology (IJEAT), Vol. 2, Issue-1 Oct.2012
11. **Sandhya Sharma** published the paper “ Analysis And Comparative Study of Effect of Feedback on BJT and CMOS Amplifier using Tanner Tools” Published in International Journal of Soft Computing and Engineering (IJSCE) ISSN:2231-2307 , Volume-2, Issue-5, Nov. 2012
12. **Sandhya Sharma** published the paper “Analysis And Comparative Study of Different Parameters of Op-Amp using BJT and CMOS using Tanner Tools” Published in International Journal of Soft Computing and Engineering (IJSCE) ISSN:2231-2307 , Volume-2, Issue-5, Nov. 2012
13. **Rashid Hussain** published the paper entitled “Application of WSN in Rural Development, Agriculture Water Management”, in International Journal of Soft Computing and Engineering (IJSCE)ISSN: 2231-2307, Volume-2, Issue-5, November 2012
14. **Rashid Hussain** published the paper entitled FSM based protocol for wearable and implantable wireless sensors for healthcare, in Volume 3, No. 5, Sept-Oct 2012 International Journal of Advanced Research in Computer Science, ISSN No. 0976-5697
15. **Rashid Hussain** published the paper entitled “Control of Irrigation Automatically By Using Wireless Sensor Network” in International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-3, Issue-1, March 2013
16. **Rashid Hussain** published the paper entitled “Use of Wireless Sensor Network for Human and Animal Health Care during Flood” in International Journal of Application or Innovation in Engineering & Management (IJAIEM), Volume 2, Issue 3, March 2013 ISSN 2319 – 4847
17. **Rashid Hussain** published the paper entitled WSN APPLICATIONS: Traffic monitoring using AMR sensors” in International Journal of Scientific & Engineering Research, Volume 4, Issue 5, May-2013 1973 ISSN 2229-5518 IJSER © 2013 <http://www.ijser.org>
18. **Rashid Hussain** published the paper entitled, STUDY AND COMPARATIVE ANALYSIS OF RESONANT FREQUENCY FOR MICROSTRIP FRACTAL ANTENNA , in IJRET | MAY 2013, Available @ <http://www.ijret.org/>
19. **Rashid Hussain** published the paper entitled “Bandwidth Enhancement In Wireless Applications By Using H-Shape Slot Microstrip Aperture Coupled Antenna in

- “International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622 www.ijera.com Vol. 2, Issue 5, September- October 2012, pp.1932-1935 1932 |
20. **Rashid Hussian** published the paper entitled “ WSN Applications: Automated Intelligent Traffic Control System Using Sensors” in International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-3, Issue-3, July 2013
 21. **Ms. Sonia Choudhary** published the paper entitled “Packet Reordering and Forced Delaying based Attacks on TCP based Mobile Ad-hoc Networks”, in *International Journal of Mobile and Ad-Hoc Network*, Volume -3, Issue-3, October-2013, ISSN 2249-202X.
 22. **Ms. Sonia Choudhary** published the paper entitled “Performance Investigation of Re-Shuffling Packet Attack on Transport Layer Protocol in MANET”, in Proc. Of *International Journal of Mobile and Ad-Hoc Network*, Volume -3, Issue-4, October-2013, ISSN 2249-202X.
 23. **Ms. Sonia Choudhary** published the paper entitled “Re-Shuffling Packet Attack on TCP Based MANET”, Proc. Of *International Journal of Research in Engineering and Technology*, Volume-2, Issue-10, October-2013, ISSN 2321-7308.
 24. **Paresh Jain** published a paper “A Novel CPW Fed Slot Antenna for WIMAX Application,” in 3rd National conference on Recent Trends in Microwave Techniques and Applications (Microwave – 2012), Department of Physics S.S. Jain Subodh P.G. College, and, Department of Physics University of Rajasthan, Jaipur, July 30th to August 1st, 2012
 25. **Paresh Jain** published a paper “A Slot Coupled Rectangular Microstrip Patch Antenna with U- shaped Feed Line for X- Band Application,” in International Conference on VLSI, Communication and Networks (VCAN- 2011), I.E.T Alwar, 24-25 Dec 2011.
 26. **Paresh Jain** published a paper “A Multiband Rectangular Microstrip Patch Antenna with a H-shaped Aperture,” 2011 in National Conference on Recent Advances in Microwave Engineering, M.I.T.S, Gwalior, Dec. 16-17, 2011.
 27. **Dimple Bansal** presented a paper titled “Use of maximum likelihood sequence estimator for comparing space-time block codes and trellis codes” in the National Conference on Advanced Electronic & Wireless Communication Technologies, NCAEWCT-2012, sponsored by IETE, held at RCEW Jaipur, March 24-25, 2012.
 28. **Dimple Bansal** presented a paper titled “Introduction to Space Time Coding using MIMO Technology” in the “International Conference on VLSI, Communication and Networks” sponsored by IEEE-MTTS and CSI, Delhi held at IET Alwar, December 24-25, 2011.
 29. **Dimple Bansal** presented a paper titled “Energy Efficient Virtual MIMO-based Cooperation Communication in Wireless Sensor Networks” in the “National Conference on Recent Advances in Electronic, Telecommunication and Computing Control Technologies” held at Arya College of Engineering & I.T. Jaipur, December 22-23, 2010.
 30. **Swet Madhab Mahanta** published paper on “Comparison of 16-QAM & 32-QAM by Different Detection Schemes in MIMO System” at 2nd International Conference on Advance trends in Engineering & Technology (ICATET-2014) held at Arya College of Engineering & IT, Jaipur on 18th & 19th April 2014.
 31. **Swet Madhab Mahanta** published paper on “QR Decomposition based MIMO System using 64-QAM ” at International Conference on “Futuristic Trends in Computer and

- Electronics Engineering” (FTCEE-2014) held at Kautilya Institute of Technology & Engineering, Jaipur on 22nd March 2014.
32. **Swet Madhab Mahanta** published paper on “Analysis of MIMO system through Different Detection Schemes for BPSK and QPSK “at National Conference on Communication System and VLSI Design held at Malaviya National Institute of Technology (MNIT) on 24-25rd July 2013.
 33. **Swet Madhab Mahanta** published paper on “Analysis of MIMO system through ZF and MMSE detection scheme” at International Conference on Advancement in Information Technology held at Poornima Institute of Engineering & Technology, Jaipur, on 22-23rd March 2013 technically sponsored by Ministry of Defence & IEEE.
 34. **Swet Madhab Mahanta** published paper on “Analysis of MIMO system through ZF and MMSE detection scheme” (Paper ID: IJECT/4/Spl4/C-0142) at International Journal of Electronics and Communication Technology (IJECT). (*ISSN : 2230-7109 (Online) Volume-IV, Issue Spl-IV, April-June 2013, Page: 84-87.*)
 35. **Swet Madhab Mahanta** published paper on “The Maze Problem solved by Micromouse” at International Journal of Engineering and Advanced Technology (IJEAT) . (*ISSN: 2249-8958, Volume-1, Issue-4, April 2012, Page: 157-162.*)
 36. **Swet Madhab Mahanta** published paper on “Internet Over Power lines “at National Conference on Advance Electronics and Wireless Communication Technologies held at Rajasthan College of Engineering for Woman, Jaipur, on 24-25th March 2012 technically sponsored by Indian Society For Technical Education and The Institute of Electronics and Telecommunication Engineers.
 37. **Swet Madhab Mahanta** published paper on “Evolution of UWB Sensors “at National Conference on Role of Electronics & Instrumentation Engineering for Rural Development held at Jagannath Gupta Institute of Engg. & Technology, Jaipur, on 27-28th Eeb. 2012 in association with Indian Society for Technical Education, New Delhi.
 38. **Swet Madhab Mahanta** published paper on “Performance & Evaluation of Advanced Ti LiNbO₃ Diffused MZI All Optical Switch” at National Conference on Recent Advance in Microwave tubes, Devices and Communication Systems held at Jagannath Gupta Institute of Engg. & Technology, Jaipur, on 4-5th March 2011 sponsored by IEEE and MTT-S India Council.
 39. **Sakshi Tiwari** published paper on “Comparison of 16-QAM & 32-QAM by Different Detection Schemes in MIMO System” at 2nd International Conference on Advance trends in Engineering & Technology (ICATET-2014) held at Arya College of Engineering & IT, Jaipur on 18th & 19th April 2014.
 40. **Sakshi Tiwari** published paper on “Analysis of MIMO system through Different Detection Schemes for BPSK and QPSK “at National Conference on Communication System and VLSI Design held at Malaviya National Institute of Technology (MNIT) on 24-25rd July 2013.
 41. **Anita Chopra** published the paper “Optimisation of Bow-Tie Antenna” in *International Journal of Scientific Engineering and Technology* (ISSN: 2277-1581)

42. Rakesh Jain published a paper “Low power divination technique using Radix-8 ” in *International Journal of Research in Engineering and Technology (IJRET)* ISSN 2277 – 4378.
43. **Vipin Gupta** published a paper “Image Retrieval using Segmentation ” in The Board of International Journal of Innovative Research and Study.
44. **Vipin Gupta** published a paper “Design and Implementing Matrix Co-processor for Video and Image Processing Application on FPGA ” in International Journal of Engineering and Innovative Technology (*IJEIT*). ISSN: 2277-3754.
45. **Vipin Gupta** published a paper “Elimination of Gaussian Noise from FPGA Based Co-processor” in International Journal of Engineering and Innovative Technology (*IJEIT*). ISSN: 2277-3754.
46. **Vipin Gupta** published a paper “Elimination of Salt and Pepper Noise from FPGA Based Co-processor” in International Journal of Engineering and Innovative Technology (*IJEIT*). ISSN: 2277-3754.

BOOKS PUBLISHED:

1. Paresh Jain published the book on Digital Signal Processing with Genius Publication, Jaipur.
2. Paresh Jain published the book on Signal & System with Genius Publication, Jaipur.

WORKSHOP ORGANIZED:

1. **Dimple Bansal** organized a workshop “Embedded Systems” in Suresh Gyan Vihar University from 27th -28th march, 2014

(D) Prof T.K.Jain (Dean ISBM)

Dr Ruchi Goyal

- Ruchi Goyal, Dr. Madhu Srivastava, “ A Study of Human Resource Practices and their impact on Employees Job Satisfaction and Organizational Commitment in selected Pharmaceuticals Industries”, IJBTT, ISSN No. 2249-0183
- Dr. Ram Garg, Dr. T. K. Jain, Dr. Ruchi Goyal “Role of Commerce and Management Faculty in Sustainable Development & inclusive Growth” International Journal of Economics and Management, ISSN no. 2278-2478.
- Dr. T.K.Jain, Dr. Ruchi Goyal et. al “ Towards a sustainable Business model” Economic Challenger ISSN No. 0975-1351
- Dr. Ruchi Goyal, Dinesh Goyal “ The Green HR Initiatives: An Alternative Business Strategy for Sustainable Growth” “Tatva – the essence of excellence” (ISSN No.0973-0974)
- Dr. Ram Garg, Dr. T. K. Jain, Dr. Ruchi Goyal “inferential statistics for judging the short term solvency, An Empirical study of three petroleum companies in India” ,Khoj, Journal of Indian Management research & Practices, Vol III, ISSN 0976-8262.
- Dinesh Goyal, Dr. Ruchi Goyal et.al “Secure Voting System in a Mobile Network”, IJCIT, Vol 2 No.2, March 2013, ISSN:2279-0764
- Ruchi Goyal, Dr. Madhu Srivastava, “The challenging HR Environment and the Changing HR Practices in Indian Pharmaceutical Industry.” SDCN 2011, ISBN No. 978-81-7906-273-9
- Ruchi Goyal, Dr. Madhu Srivastava “HR Practices: Impact on Organizational Commitment” SDCN 2011, ISBN No. 978-81-7906-273-9
- Dr. Ram Garg, Dr. T. K. Jain, Dr. Ruchi Goyal “ Role of Commerce and Management Faculty in Sustainable development” IJMR, ISSN
- Published five Case studies in CSDC-SGVU, on www.gyanvihar.org Website.
- The Global Economic Crises and the pragmatic shift in Human Resource Strategies for Business.” Edited Book on Managing Hr in global Era: prospects and Challenges, ISBN No-978-81-926819-3-1.

Dr. Renu Pareek

- Research Paper titled “Role of Hard Core Critical Success Factors in Banking Sector: A case Study on Foreign Banks” published in Global Research Analysis **Impact Factor-.2714**, February 2014,
- Research Paper titled “An empirical analysis on employee’s perception towards success factors of six sigma in private banks” published in International journal of management and development studies, December 2013
- Review Paper titled “Six Sigma: The New Yard Stick” published in International Journal of economics and management, October 2013.
- Research Paper titled “Employees Perception towards Success Factors of Six Sigma A Study on Foreign Banks” published in Research World an international referred journal of Science, Arts & commerce Volume 3, Issue4(3) , October 2012
- Research Paper titled “An Empirical Study On Critical Success Factors Of Six Sigma With Special Reference To The Banking Sector” published in Indian Journal of Marketing, Volume 42, Number 8, August 2012
- Research Paper accepted titled “Organizational Excellence through Six Sigma” in IJOPM, ICFAI University Press.
- Article Published titled “Six Sigma In B-Schools: The new Yardstick” in Business Manager,2011
- Article Published titled “Six Sigma In Hotel Industry: A Powerful strategy” in Prabhand MLS University Udaipur Ed. January 2009
- Research Article published titles “Service Quality in Banking with special reference to ICICI bank ltd. in Asia-pacific Business review December 2007.
- Research Paper Published titled “An empirical study of Slogans of Insurance Industry:–with special reference to Life Insurance” in Advertising Express, ICFAI University Press Ed. September 2007
- Article Published titled “Communication in Conflicting Situation” in Business Manager Ed.2005

Dr. Preeti Sharma

1. Book written on **BUSINESS ETHICS AND ETHOS** by RBD Publication-2009
2. Professional series written on Managerial Economics by RBD Publication -2008
3. Research paper on “**A study of mutual fund industry and profile of investors & their behaviour-- with special reference to Rajasthan**” published in **SHARE Journal ISSN NO: 0976-4712**
4. Research paper on “**Awareness level on Green marketing in Telecom companies**” published in **ORJA ISSN NO 0974-7869**
5. Research paper on **Indian mutual fund industry and the variables influencing to invest in mutual fund market: An Empirical study of investors behaviour** published in **Indian Journal of Commerce & Management Studies ISSN : 2240-**

0310 EISSN: 2229-5674

6. Research paper on **Analysis Of Retail Investor's Behaviour In Mutual Funds Market In Rajasthan** to be published in **Economic Challenger ISSN Number- 0975 – 1351**
7. Research paper on **Switching Behavior And Problems Encountered By The Investors In The Mutual Funds Market** in **Cyber Times International Journal of Technology & Management ISSN No.: 2278-7518**
8. Research paper on **Factors that influence investment decision in Indian mutual fund industry in Xavier's Journal Impetus ISSN NO 2278-0254**
9. Research paper on **A study of Risk Orientation of Retail investors in Indian Mutual fund Industry with special Reference to Rajasthan, India in GLOBAL JOURNAL FOR RESEARCH ANALYSIS ISSN No 2277 – 8160 Impact factor .2714**

* Books with ISBN with details of publishers:

- **Dr.T.K.Jain – Marketing Management (Garima Publication)**
- **Dr. Renu Pareek Product & Brand (RBD) ISBN 978-81-8142-402-0**
- **Dr. Ruchi Goyal-**
 - (i) **Business environment “reference e”Ramesh Book Depo.,**
 - (ii) **Business environment Neelkhant Publication,**
 - (iii) **Human Resource Planning Neelkhant Publication**
- **Dr.Preeti Sharma- Business Ethics and corporate Governance (RBD, Publications)**

(E) Recent Publications (2012-13) Pharmacy

2013

- Md Ikram, Sunny Srivastava, Neeraj Gilhotra, Gilhotra RM, A Clinical Perspective on Mucoadhesive Buccal Drug Delivery Systems, *Journal of Biomedical Research*.2013 **2012**
- Vijay J, Sahadevan JT, Prabhakaran R, Gilhotra RM, Formulation and Evaluation of Cephalexin Extended Release Matrix Tablets Using HPMC as Rate Controlling Polymer *J YoungPharmacists* 2012;4:3-12
- Jishnu Vijay, Jyothi Sahadevan, Ritu M Gilhotra, A basic insight into the stability and manufacturing aspects of solid dispersions *Chronicles of Young Scientists ahead of Print*, April-June issue 2012.
- Ashish Kumar Sharma, Vijay Singh Jatav, et.al. Effects of sitagliptin, sitagliptin and metformin, or sitagliptin and amitriptyline on streptozotocin-nicotinamide induced diabetic neuropathy in rats. *Journal of Biomedical Research*. 2012, 26(3): 200-210.
- Ashish Kumar Sharma, Vijay Singh Jatav, et.al. Involvement of adenosine and standardization of aqueous extract of garlic (*Allium sativum* Linn.) on cardioprotective and cardiodepressant properties in ischemic preconditioning and myocardial ischemia-reperfusion induced cardiac injury. *Journal of Biomedical Research*. 2012, 26(1): 24-36.

- Kushwaha Munna N., Vijay Singh Jatav, Swatantra Pandey. Plant anacyclus pyrethrum -a review. *Res. Pharmacog Phytochem.* 2012; 04(3):164-170.
- Jatav VS, Saggu JS, Sharma AK, Sharma A, Jat RK. Design, development and permeation studies of Nebivolol Hydrochloride from novel matrix type transdermal patches. *Adv Biomed Res* 2013; 2: 62.
- Jatav Vijay Singh, Saggu Jitendra Singh, Development, Characterization and In Vitro Drug Release from Transdermal Patches Containing Nebivolol Hydrochloride as Model Drug. *Indian Journal of Pharmaceutics.* 2012; 3(2): pp. 107-113.
- Vijay Singh Jatav, Jitendra Singh Saggu, Ashish Kumar Sharma. Formulation and evaluation of transdermal patches of Nebivolol Hydrochloride. *Res J Pharm Dosage Form Tech,* 2012; 4(6): 272-77.
- Jatav Vijay Singh, Saggu Jitendra Singh, Sharma Ashish Kumar, Gilhotra Ritu Mehra, Sharma Anil, Jat Rakesh Kumar. Design, formulation and *in vitro* drug release from transdermal patches containing Nebivolol Hydrochloride as model drug. *Asian J Pharm Res* 2012; 2(4): 136-141.

2011

- Mathur M, Gilhotra RM, Glycerogelatin Based Ocular Inserts of Aceclofenac: Physicochemical, Drug Release Studies and efficacy against Prostaglandin E2- Induced Ocular Inflammation. *Drug Delivery.* 2011, 18(1):54-64.
- Sharma V, Gilhotra R, Dhingra D, Gilhotra N., Possible Underlying Influence of p38MAPK and NF- κ B in the Diminished Anti-anxiety Effect of Diazepam in Stressed Mice *J Pharmacol Sci.* 2011, 116, 257 – 263.
- Saurabh Gupta, Gilhotra RM, Enhancement of Antiglaucoma Potential by Noval Drug Delivery System. *International Journal of Pharmacy and Pharmaceutical Sciences.* 2011; 3(2): 55-58.
- Gilhotra R, Nagpal K, Mishra DN, Azithromycin Novel drug delivery system for ocular application. *Journal of Pharmaceutical Investigations.* 2011; 1(1).
- Ashish K Shurma, Vijay S Jatav, et. al., Cardioprotective activity of alcoholic extract of *Tinospora Cordifolia* (Willd.) Miers in calcium chloride induced cardiac arrhythmia in rats. *J Biomed Res.* 2011, 25(4): 280-286.
- Vijay Singh Jatav, Himmat Singh and Santosh Kumar Singh, Recent Trends on Hydrogel in Human Body, *Int J Res Pharm Biomed Sci,* 2011, 2(2): 442-447.
- Vijay S. Jatav, Santosh K. Singh, Pankaj Khatri, Ashish K. Sharma, Rambir Singh, Formulation and *in-vitro* evaluation of Rifampicin-Loaded Niosomes, *J. Chem. Pharm. Res.,* 2011, 3(2): 199-203.
- Vijay Singh Jatav, Jitendre Singh Saggu, Ashish K Sharma, Himmat Singh , Santosh K Singh Evaluation of Transdermal Patches: A Review. *Int J Xeno Pharm Tech* 2011:1(3)58-64.
- Vijay S Jatav, Jitendra S Saggu , Rakesh K Jat, Ashish K Sharma, Ravindra P Singh Recent Advances In Development of Transdermal Patches., *Pharmacophore* 2011; 2(6), 287-297.

- Rambir Singh, Nagori B.P., Soni Balram, Jatav Vijay Singh, A Review: Clinical Trial And Data Management. *Pharmacophore* 2011, Vol. 2 (3), 200-209.
- Vijay Singh Jatav, Santosh K Singh, Pankaj Khatri and Ashish K Sharma, [Glycyrrhiza glabra Linn: pharmacological recent trends www.pharmabiz.com/PrintArticle.aspx](#) April 28, 2011.
- Ram Krishan Sharma , Gilhotra RM, Preparation, Characterization and in vitro, in vivo Evaluation of Transdermal Matrix Films of Celecoxib. *Acta Pharmaceutica Scientia*. 2011; 53(1).
- Saroot Rashi, Gilhotra RM, Design and Characterization of Bioadhesive Ophthalmic films of Flurbiprofen. *Thai Journal Of Pharmaceutical Sciences*. 2011; 35(1).
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| 1. Electro Magnetism | B.Sc. Part - I |
| 2. Oscillation And Waves | B.Sc. Part - I |
| 3. Practical Physics | B.Sc. Part – I |
| 4. Optics | B.Sc. Part – II |
| 5. Statistical & Thermodynamical Physics | B.Sc. Part – II |
| 6. Electronics | B.Sc. Part – II |
| 7. Mathematical Physics and Special Theory of Relativity. | B.Sc. Part – III |
| 8. Solid State Physics | B.Sc. Part – III |
| 9. Nuclear Physics | B.Sc. Part – III |
| 10. Physics I | Class XI |
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Dr. Gaurav Sharma

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