

Annual Report **2009-2010**



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

Learning Resource Centre-JUIT



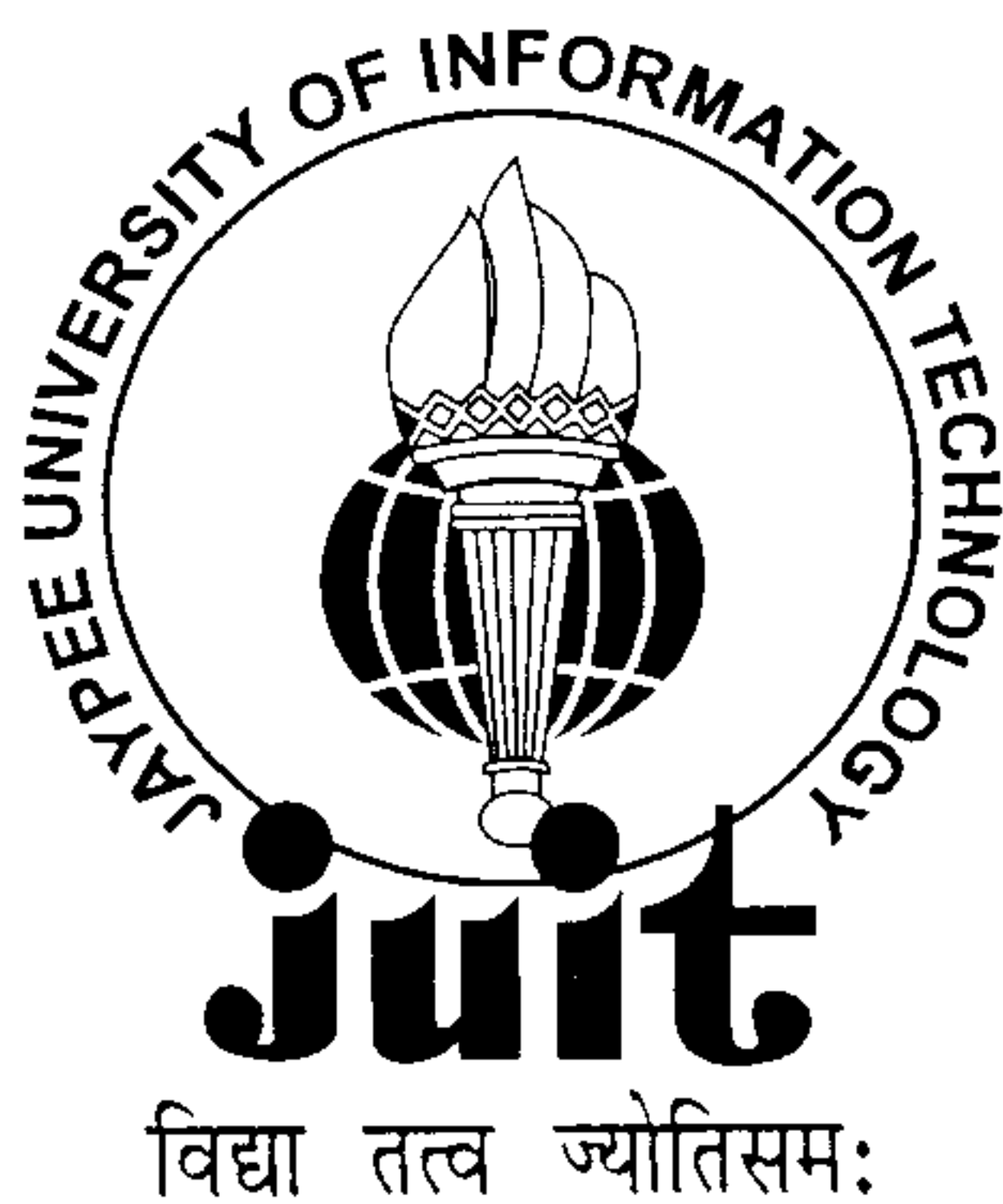
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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY (JUIT)

WAKNAGHAT

Himachal Pradesh



ANNUAL REPORT

2009 - 2010



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BASIC INFORMATION IN BRIEF

Name	:	Jaypee University of Information Technology Waknaghat (Established by H.P. State Legislature vide Act No. 14 of 2002 and approved by University Grants Commission vide its Notification No. F.9-10/2002 (CPP-I) dated December 9, 2002)
Year of Establishment	:	July 2002
Status	:	State University, with effect from 23 May 2002
Location	:	P.O. Waknaghat, Tehsil – Kandaghat, Distt. Solan (H.P.)
Pin	:	173234
District	:	Solan
State	:	Himachal Pradesh
<u>Officers of the University</u>		
Chancellor	:	H.E. Smt. Urmila Singh Governor of Himachal Pradesh
Pro-Chancellor	:	Sh. Manoj Gaur Executive Chairman, Jaiprakash Associates Ltd
Vice Chancellor	:	Prof. D.S. Chauhan (Upto December 2009) Dr. Yajulu Medury (Acting) (from January 2009)
Registrar	:	Brig. (Retd.) Balbir Singh
Finance Officer	:	Sh. O.N. Singh
<u>Tele/Fax/Website</u>		
Vice Chancellor	:	(O) 01972-245361/245201 (R) 01972-245361/239271
Registrar	:	(O) 01792-245371/239203 (R) 01792-245367/239272
EPBAX	:	01792-257999 (30 lines)
Fax	:	01792-245362
Website	:	http://www.juit.ac.in

INTRODUCTION

About Jaiprakash Sewa Sansthan (JSS)

The Jaypee Group of Companies has consistently displayed full awareness of its social responsibilities through the Jaiprakash Sewa Sansthan (JSS), a 'not for profit' Trust registered under the Income Tax Act, 1961.

Sixteen junior-middle-senior secondary schools are in place spanning Jaypeenagar (M.P.) to Guna (M.P.), Sholtu (H.P.) and Sewagram (Gujarat) with a combined student strength of around 15,000.

Two Industrial Training Institutes at Jaypeenagar (M.P.) and Hamirpur (H.P.) covering the vocational stream of education have become operational from September 2002. Jaypee Polytechnic and Training Centre (JPTC) became operational in year 2008.

Three higher technical education campuses have been established in the emerging areas of technology – the Jaypee Institute of Information Technology (JIIT), Noida [August 2001]; the Jaypee University of Information Technology (JUIT) at Wagnaghat, Himachal Pradesh [July 2002]; and finally the Jaypee University of Engineering & Technology (JUET) at Guna, Madhya Pradesh [July 2003].

Genesis

Set up by Act No. 14 of 2002 vide Extraordinary Gazette notification of Government of Himachal Pradesh dated May 23, 2002. Approved by the University Grants Commission under section 2(f) of the UGC Act. The sponsoring body of the University is Jaiprakash Sewa Sansthan (JSS).

The University commenced academic activities from July 2002 with undergraduate B.Tech. Degree programs in Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, and Bioinformatics. Since then UG programs in Biotechnology, Civil Engineering and Pharmacy have been added.

Vision

To become a Center of Excellence in the field of IT & related emerging areas education, training and research comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management.

Mission

- To develop as a benchmark University in emerging technologies;
- To provide state-of-the-art teaching learning process and R&D environment; and
- To harness human capital for sustainable competitive edge and social relevance.

ACADEMIC PROFILE

The Academic Philosophy

- Student centric learning;
- Encouragement to self learning;
- Periodic review of Curricula to keep pace with changing technology;
- Regular updating of Electives in the Curricula,
- Emphasis on Project, Design and Laboratory skills;
- Development of communication Skills and Leadership quality;
- Emphasis on fundamentals, concepts, understanding and analytical & problem solving skills;
- Enhancement of Scientific reasoning ability;
- Integration of human values and professionalism.

Accreditation

The NBA (AICTE) accreditation team of experts visited the University from 13 to 15 February 2009 for considering the accreditation of 5 undergraduate programs. The Expert Team comprised:

- Prof. M. Moinuddin, Director, National Institute of Technology, Jalandhar [Chairman]
- Prof. S.S. Jain, Deptt. of Civil Engineering, IIT, Roorkee
- Prof. K. Moin, Deptt. of Civil Engineering, Jamia Milia Islamia, New Delhi
- Prof. P.S. Grover, Director General, Guru Teg Bahadur Institute of Technology & former Prof. Deptt. of CSE, Delhi University.
- Prof. Rajeev Kumar, Deptt. of Computer Science & Engg., IIT Kharagpur
- Prof. Ashok De, College of Engineering, Bawana Road, Delhi
- Prof. RV Rajakumar, Deptt. of Elect. & Comm. Engg., IIT Kharagpur
- Prof. Arif Ali, Deptt. of Biotechnology, Jamia Milia Islamia, New Delhi
- Prof. Murli Dharan, South Campus, University of Delhi

Based on the report following programs have been accredited:

Sr. No.	Name of Program(s)	Period of Validity (w.e.f. 16-04-2009)
1.	Computer Science & Engineering	5 Years
2.	Electronics & Communication Engineering	5 Years
3.	Bioinformatics	5 Years
4.	Civil Engineering	5 Years
5.	Information Technology	5 Years

3rd Convocation

Held on 20th August, 2009



Education System

- At JUIT, special emphasis has been placed on developing an environment highly conducive to building a solid foundation of knowledge, personality development, confidence building, pursuit of excellence, self-discipline and enhancement of creativity through motivation and drive, which helps to produce professionals who are well trained for the rigors of professional and social life. All students are encouraged to make life outside the classroom vibrant and enjoyable by engaging themselves in multiple extracurricular areas. Fun creativity, competition, distinction, establishing relationships with fellow students and others in the community and ultimately enhancing the value of their educational experience, is at the heart of all extracurricular activities.
- The academic year consists of basically two semesters. The education system is organized around credit system which ensures continuous evaluation of student's performance and provides flexibility to choose courses of interest and to progress at an optimum pace suited to student's ability or convenience. Each course is assigned certain number of credits depending upon the class contact hours. A specified number of credits and CGPA are to be completed satisfactorily in order to qualify for a degree. The medium of instruction is English.

PROGRAMS OFFERED

- **UG Programs**

In the pursuit of its objectives, the JUIT has gradually endeavored to increase the scope of programs, leading to the degree of Bachelor of Technology in (i) Electronics & Communication Engineering (ii) Computer Science & Engineering (iii) Information Technology (iv) Bioinformatics (v) Biotechnology and (vi) Civil Engineering.

The programs of study emphasize strongly on conceptual understanding and practical skills in their respective areas of specialization. All students are provided with a sound foundation in basic sciences, coupled with courses in the Humanities and Social Sciences.

The education system lays great emphasis on continuous evaluation and transparency. By means of well designed tutorial and practical, every effort is made to reinforce the concepts taught in the classroom and further enhancement of the learning is made possible by a unique educational concept called Project-Oriented Practice (POP) which consists of a minor project given to students from 2nd to 6th semesters. In the final year, a major project is assigned to students.

Industry internship after 6th Semester is an integral part of the academic program leading to overall development of the student through exposure to practical skills in real life situations.

Education Methodology comprises multiple learning stages, specific Lectures, Self-study, Tutorials, Laboratory Work, Assignments, Projects, Research, Internships, Guest Lectures, Seminars, Continuous Evaluation, Examinations and Personality Development programs.

- **Dual Degree Program**

- **5 Year Dual Degree Program B. Tech-M. Tech (Bio Technology)**

The program has been offered for students admitted in B.Tech 2002, in their 7th Semester, as per merit drawn based CGPA. Since commencing from academic session 2006, the students for this program are being admitted in the 1st Semester itself. The program includes various areas of Biotechnology such as Protein Engineering, Bioprocesses Technology, Cell Signaling, High Throughput Screening, Antibody Engineering & Manufacturing Processes and Clinical Data Base Management leading to both Bachelor's as well as Master's degrees having provided strong fundamentals and extensive training at the B.Tech level through various/Compulsory & elective subjects and extensive project and thesis work in the final year.

- **6 Year Dual Degree B. Pharma-M.Pharma Practice Program**

With a vision to establish JUIT as a centre of excellence within the ambit of Pharmacy, it has promulgated a Six Year dual Degree B.Pharm – M. Pharm Practice program which commenced in July 2008. Pharmacy education with Practice Experience is rapidly gaining recognition and by making it an integral part of the undergraduate curriculum, we endeavour to bridge theory with application. It aims to produce self motivated and self reliant young pharmacists catering to the needs of industry, teaching and research by developing a convergence between divergent fields of pharmaceutical science, toxicology and computational technology (Bioinformatics, Chemo-informatics). Practice experience would strike an appropriate balance between knowing products, patient and disease states. At the end of the four year program, the students would be proficient in:

- Reviewing the proper drug prescription, dose, frequency, duration, distribution, and storage and drug-disease interaction to ensure safe, effective and economical patient compliance.
- The two years of practice experience would make the students competent in the clinical care, communicating and collaborating with other healthcare professionals and healthcare organizations. The dual degree would culminate with a commitment to the University, community and society.

- **Post Graduate Program**

JUIT has been successfully running M.Tech programs in Electronics & Communication Engineering (ECE), Computer Science and Engineering (CSE) and Construction Management (CM) with effect from Academic Session 2006-07.

The objective of the M. Tech program is to prepare professionals with advanced knowledge of their respective fields who can serve industry, R&D organizations and can take up a career in academics, including further studies in a relevant Ph.D. program. The 2-year M. Tech programs are spread over four semesters.

All M. Tech Programs are designed to cover core/compulsory as well as elective subjects to advance knowledge, ability and skills of the students in their chosen area. Students can take the desired electives from the set of subjects offered from time to time to enable them to cater for their interests and to specialize in a particular field. Project and Thesis

work are spread over the last two semesters, which provide ample opportunity to the student to carry out intensive work on a chosen topic resulting in an innovative and research oriented output. Seminars are included in the program to develop presentation skills in the students.

M.Tech (Electronics and Communication Engineering)

The program covers a number of areas like Mobile, Wireless, Satellite, Optical and Computer Communication Systems and Networks; Signal Processing, Spread Spectrum Communication and error control coding techniques; Microelectronics and VLSI Design and Information and Communication Theory through suitable core/compulsory and elective subjects and extensive project and thesis work.

M.Tech (Computer Science & Engineering)

This Program offers a balanced emphasis on theoretical computer science, computer technology, software engineering, and applications of computing. The program provides advanced level education in areas like Algorithms and Data Structures, Software Engineering, Learning Sciences and Technology, High Performance Computer Architecture, Computer Networking, Network Security, Internet and Web Technologies, computer Graphics, Image Processing, Information Systems, Data Ware Housing & Mining, Data Base Management, Operating Systems, Computational Models, Cognitive Science, Soft Computing and Human Computer Interaction.

M.Tech (Construction Management)

This program aims to impart the knowledge in areas like Construction Techniques, Equipments, Safety, Planning; contracts, financial management, sustainable design; human resource management, affordable housing, value engineering and construction information systems through suitable core/compulsory & elective subjects and capstone projects and thesis work.

- **Doctoral Programs (PhD)**

The award of PhD degree by the University is in recognition of high academic achievements demonstrated by independent research and application of knowledge to the solution of technical and scientific problems. Creative and productive inquiry is the basic requirement underlying research work. The academic program leading to the degree involves fulfilling course credit requirements, residential requirements and a thesis giving a critical account of the research carried out, in any of the areas listed below.

- **Electronics & Communication Engineering**

Telecommunication and Networking, Signal (including speech & image) Processing, Wireless and Mobile Communications, Optical Communications and Networks, Spread Spectrum, CDMA and Error Control Coding Techniques, Semiconductor Devices, Micro Electronics and VLSI, Neural Networks. The Department carries out research in low power systems and wireless communication. It also works in the tera-hertz range of frequencies.

- **Professional Development (Humanities and Management)**

The Department was set up with the intention of producing well-rounded engineers, not only having good technological skills but also with the ability to interact with different organs of an organization. Thus, the Department develops 'soft' skills in students. These skills are group and co-operative working, economics, finance, project management etc. Additionally, the department exposes students to entrepreneurship skills, HR management, Customer relationship management, total quality management etc.

ACADEMIC DEPARTMENTS

- **Department of Electronics and Communication Engineering**

The undergraduate program aims to enhance the student's ability to design electronics and communication based circuits, tools and systems. The curriculum emphasizes (i) design oriented problems; (ii) inculcation of an analytical approach, and (iii) open ended laboratory problems.

The Department promotes strong exposure in the area of Digital Hardware Design using VHDL, VLSI Design, Signal and Speech Processing, Digital and Data Communication, Data Compression and Error Control Coding, Optical Communication, Satellite, Wireless and Mobile Communication Systems. Students are also exposed to core computer courses like Data Structures, Object Oriented Programming, Operating Systems and Computer Networks. Unique features of our teaching are designing electronic and communication systems using software tools such as MATLAB, PSPICE, L-Edit, Model-Sim and DSP kits.

Current research interests are in the areas of Microelectronics (Low Power Mixed Signal Design, VLSI Interconnect Modeling and Nanotechnology), Mobile Communications (3G & 4G, and Envisaged Technologies), and Signal Processing (Biomedical Signal Processing and Speech Processing).

➤ **Laboratory Facilities**

Laboratory support for the lecture courses are provided by the following well equipped laboratories to the department.

- Basic Electronics
- Integrated Circuits Lab
- Instrumentation and Process Control Lab
- Digital Image Processing Lab
- Power Electronics and Machine Lab
- Analog and Digital Communication Lab
- Microprocessor Lab
- Embedded Systems Design Lab
- VLSI Design Lab

All the laboratories are equipped with state-of-the-art instruments and software tools to enable the students to perform design oriented experiments and test their designs. Some of the important equipments available are.

1. Low Distortion Signal Generator
2. Frequency Counter 1GHz
3. Spectrum Analyser
4. Bluetooth Development Board
5. Wi-Fi (IEEE-802-112) Application Kit
6. GSM Application Development Board

7. Vector Network Analyser 100MHz-3GHz
8. Equipment of Optical Fiber System
9. Metlab
10. OrCad
11. Pspice

➤ Faculty Activities

A) Journal Publications

International

- Sajaivir Singh, Sudhanshu Maheshwari, Jitendra Mohan and Durg Singh Chauhan "An electronically tunable simo biquad filter using CCCCTA" Published in proceeding of communications in computer and information science, Springer, vol.40, pp. 544-555,2009, DOI-10.1007/978-3-642-03547-0.
- Rishi Pal, Pardeep Garg, Rajiv Chechi, Sandeep Kumar, Naresh Kumar, "Cancer Growth Prediction via Artificial Neural Networks", International Journal of Bio-Science and Bio- Technology, Vol. 2, No. 2, June, 2010, pages 1-10, ISSN : 1976- 118x.
- Pardeep Garg, Abhinav Gupta, M.C. Srivastava, Ankur Gupta, Nikunj Agrawal, "Edge Directed Error Diffused Digital Halftoning: A Steerable Filter Approach", International Journal of Signal Processing, Image Processing and Pattern Recognition, Vol. 2, No. 3, September 2009, pages 43-56, ISSN : 2005-4254.
- Pradeep Kumar and G. Singh, "Theoretical Investigation of the Input Impedance of Gap-Coupled Circular Microstrip Patch Antennas", Journal of Infrared, Millimeter and Terahertz waves, vol. 30, pp. 1148-1160, 2009.
- A. K. Singh, Pradeep Kumar, G. Singh and T. Chakravarty, "Linearizer for pulse-shaping of received pulse in ultra-wideband radio systems", Digital Signal Processing, vol. 20, no. 2, pp. 496-501, 2010.
- Shruti Jain, Pradeep K. Naik, Sunil V. Bhooshan, A System Model for Cell Death/ Survival using SPICE and Ladder Logic, Digest Journal of Nanomaterials and Biostructures (DJNB), 5(1) : 57-66, 2010, (ISSN 1842 – 3582).
- Shruti Jain, Sunil V. Bhooshan, Pradeep K. Naik, "Model of Mitogen Activated Protein Kinases for Cell Survival/Death and its Equivalent Bio-Circuit", Current Research Journal of Biological Sciences (CRJBS), 2(1):59-71, 2010. (ISSN : 2041- 0778)
- Shruti Jain, Pradeep K. Naik, Computational Modeling of Cell Survival using VHDL, BVICAM's International Journal of Information Technology (BIJIT), Vol 2: 47-51 January-June 2010 (ISSN 0973-5658).
- Shruti Jain, Pradeep K. Naik, Rohit Sharma, A Computational Modeling of cell survival/ death using VHDL and MATLAB Simulator, Digest Journal of Nanomaterials and Biostructures (DJNB), 4 (4): 863- 879, 2009, (ISSN 1842 – 3582).
- Vinay Kumar, Sunil Bhooshan, "Companding Dynamic Range of Images with 2D T-Law Technique", to apper in WSEAS Transactions on Signal Processing, 2010

National

- Performance analysis of SAC based non-coherent optical CDMA system for OOC with variable data rates under noisy environment. Indian J.Sci.Technol. Vol. 2, Issue 8, July- Aug. 2009, pp: 49-52.

B) Conference Publications

- Sajai V. Singh, Sudhanshu Maheshwari, Jitendra Mohan and Durg Singh Chauhan "A new TISO voltage-mode biquad filter using single CCCCTA" International conference on wireless networks & embedded systems (WECON-2009), pp.59-62, 2009.
- Jitendra Mohan, Sudhanshu Maheshwari, Sajai V. Singh, and Durg Singh Chauhan "Voltage-mode multi-function filter with minimum component count" International conference on wireless networks & embedded systems (WECON-2009), pp.66-68, 2009.
- Sajai V. Singh, Sudhanshu Maheshwari, Jitendra Mohan and Durg Singh Chauhan "Electronically controllable current-mode biquad active-C filter using CCCCTAs" International conference on wireless networks & embedded systems (WECON- 2009), pp.121-124, 2009.
- Jitendra Mohan, Sudhanshu Maheshwari, Sajai V. Singh, and Durg Singh Chauhan "High output impedance CM-APS with minimum component count" International conference on wireless networks & embedded systems (WECON-2009), pp.125-127, 2009.
- Jitendra Mohan, Sudhanshu Maheshwari, Sajai V. Singh and Durg Singh Chauhan "Grounded capacitor first order all-pass filters using single active element." International conference on advances in recent technologies in communication and computing (ARTCOM-2009), pp.333-336, 2009.
- Sudhanshu Maheshwari, Jitendra Mohan and Durg Singh Chauhan "High input impedance VM-APSs with grounded passive components and one active element." International conference on advances in recent technologies in communication and computing (ARTCOM-2009), pp.324-329, 2009.
- Sajai V. Singh, Sudhanshu Maheshwari, Jitendra Mohan and Durg Singh Chauhan "Electronically tunable current mode universal biquad filter based on the CCCCTA." International conference on advances in recent technologies in communication and computing (ARTCOM-2009), pp.424-429, 2009.
- Pardeep Garg, Alka Kara, Rajiv Chechi, "Digital Halftoning in Noisy Media", in the proceedings of International Conference on Engineering Innovations: A Fillip to Economic Development, paper code 2002, Continental Group of Institutions, Fatehgarh Sahib, Punjab, February 18-20, 2010.
- Pardeep Garg, Alka Kara, Rajiv Chechi, "Intelligent Image Transmission through Software Defined Radio", in the proceedings of International Conference on Intelligent Systems and Networks, pp. 332-334, ISTK Klawad, Yamunanagar, Haryana, February 26-28, 2010.
- Alka Kara, Pardeep Garg, Rita Saini, "Roadmap of Wireless Technology Trends", in the proceedings of Recent Emergences and Scope of Electronics Architecture- 2010 (Research-2KX), Abstract on page 581, HEC Jagadhari, Yamunanagar, Haryana, February 19-20, 2010.
- Pardeep Garg, Kapil Bhardwaj, Anil Bhardwaj, "Advances in Emerging Wireless Technologies", in the proceedings of national conference on Communication and Networking (NCCN-10), pp. 194-196, SLIET Longowal, Punjab, March 12-13, 2010.
- Rajiv Kumar, Krishna Gopal, G.L. Pahuja, "A Framework for the Continuity of Mission-Critical Real-Time Network Services" Indo-US Workshop on System of Systems Engineering (SoSE), October 26-28, 2009, IIT, Kanpur, India. [PosterPresentation]

- Rajiv Kumar, Krishna Gopal, G.L. Pahuja, "A Resource Allocation Framework for the Predictable Continuity of Mission-Critical Network Services," 20th annual International IEEE Symposium on Software Reliability Engineering (ISSRE 2009), November 16-19, 2009, Mysuru, India.
- Shruti Jain, Pradeep K. Naik, Sunil V. Bhooshan, "Fuzzy Logic Implementation of Cell Signaling for Cell survival/ Death", February 26-28, 2010, pp 41-43, 4th International Multi Conference on Intelligent Systems & Nanotechnology (IISN- 2010), Institute Of Science and Technology, KLAWAD (ISTK), Ambala-Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.
- Shruti Jain, Pradeep K. Naik, Sunil V. Bhooshan, "A System Model for Cell Death using Fuzzy Logic and SPICE", February 26-27, 2010, pp 756-760, ICWET 2010, International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering & Technology, Mumbai, India. (ISBN:978-1- 60558-812-4)
- Shruti Jain, Pradeep K. Naik, Sunil V. Bhooshan, "Petri nets – an Application in Digital Circuits", February 26-27, 2010, pp 9, ICWET 2010, International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering & Technology, Mumbai, India.
- Shruti Jain, Pradeep K. Naik, Sunil V. Bhooshan, "BiCMOS Implementation of Cell Signaling for Cell Survival/Death", February 9-10, 2010, pp 23-26, ICSAP, 2010 International Conference on Signal Acquisition and Processing, Bangalore, India. [ISBN:978-1-4244-5724- 3].
- Shfuti Jain, Pradeep K. Naik, Sunil V. Bhooshan, "Design of Fuzzy Membership Functions using SPICE", January 9-10, 2010, pp 317-321, RTSCIT09, International Conference on Recent Trends in Soft Computing and Information Technology, Corporate Institute of Science and Technology, Bhopal, Madhya Pradesh, India.
- Shruti Jain, Pradeep K. Naik, C.C. Tripathi, "A Computational Model for Cell Survival and Fabrication of Transistor", October 23-24, 2009, pp 39-43, WECON 2009 International Conference on Wireless Networks and Embedded Systems, Chitkara Institute of Engineering and Technology, Chandigarh-Patiala National Highway, Patiala, India
- Shruti Jain, Pradeep K. Naik, "Synthetic Biology : Towards Digital Circuits", October 23-24, 2009, pp 100-102, WECON 2009 International Conference on Wireless Networks and Embedded Systems, Chitkara Institute of Engineering and Technology, Chandigarh-Patiala National Highway, Patiala, India
- K . R. Jha , S. V. R. Kondala Rao_ and G. Singh "Constructive interference in Yagi- Uda type printed terahertz antenna on photonic crystal substrate," 33rd IEEE Sarnoff Symposium, April 12-14 , 2010, Printson , NJ , USA.
- Touch Sensor Assembly Using Infrared Radiations and its Applications, at First International Conference on Computational Intelligence, Communication Systems and Networks, held during 23rd – 25th July 2009 at Indore, India.
- Sunil Bhooshan, Vinay Kumar, "2D T-Law: A Novel approach for Image Companding", 4th WSEAS International Conference on Circuits, Systems, Signal and Telecommunications, January 27-29, 2010.
- Vinay Kumar, Sunil Bhooshan, Ankita Sood, Rahul Shahi, Shashank Mendiratta, "A Novel Technique for Automated Red Eye Detection and Correction" , 22nd International Symposium on Information, Communication and Automation Technologies (Sponsored by IEEE and ACM), October 29-31, 2009.
- Sunil Bhooshan, Vinay Kumar, Gaurav Gayawar, Sah Geetansh Krishna, Kapil Sachdeva, "A New Suggestion for data Clustering", 8th IEEE/ACIS International Conference on Computer and Information Science, June 1-3, 2009.

- Sunil Bhooshan, Vinay Kumar, Ateendra K.Singh, Tanupriya Negi and Jyoti Miglani,"Character Recognition using Geometrical Features of Alphabet: A Novel Technique", IEEE International Conference on Communication Software and Networks, February 27-28, 2009.
- Vivek Kumar Sehgal, Durg Singh Chauhan, Nitin, Rohit Sharma and Ankit Srivastava "Obstacle Sensing and Anti-Falling Sensor Robot Using Embedded Processor", UKSim – 2009. [Indexed in SCOPUS]
- Rohit Sharma, Vivek Kumar Sehgal, Nitin, Pranav Bhasker, and Ishita Verma "Design and Implementation of a 64-bit RISC Processor using VHDL", UKSim – 2009. [Indexed in SCOPUS].
- Nitin, Rohit Sharma, Vivek Kumar Sehgal " Asymptotic Analysis of Dynamic Algorithms Designed to Provide Parallel Communication among NoC in NiP using MIN", UKSim –2009. 11th International Conference on Computer Modelling and Simulation. [Indexed in SCOPUS]
- Vivek Kumar Sehgal, Rohit Sharma, Nitin, Deepankar Bhardwaj, Yaras Agarwal, Mehboob Shrivastava, Prashant Srivastava, Avinash Kuma, "D-Torus Topology in Networks-on-Chip: A Perspective Study", ESA09, USA, pp 163-168. [To be Indexed in SCOPUS, Indexed in DBLP]
- Vivek Kumar Sehgal, Rohit Sharma, Nitin, Abhishek Srivastava, and Anshul Bora "Emergency Shutdown Procedure for Applications in Mass Rapid Transit System" ESA09,USA, pp 92-97. [To be Indexed in SCOPUS, Indexed in DBLP]
- Rohit Sharma, Nitin, Vivek Kumar Sehgal, Amit Kumar, Preity Gupta and Ashish Nandan Lal, DELSIC: a Delay Simulator for Interconnect Circuits, CDES 09, Nevada, USA, pp 52-56 [To be Indexed in SCOPUS, Indexed in DBLP].
- Rohit Sharma, Vivek Kumar Sehgal, Nitin, Chandan Bhardwaj, Kanchak Negi, and Arun Kumar Thakur "An Intelligent Water Management and Distribution System" IKE09, Las Vegas, USA, pp 66-70. [To be Indexed in SCOPUS, Indexed in DBLP]
- Nitin, Gitanjali Chauhan, Vivek kumar Sehgal and Rohit Sharma "A Single Tape Deterministic Turing Machine of Adaptive Deterministic Routing Algorithm designed for Torus Network" FCS-09, Las Vegas, USA, pp 37-40. [Indexed in SCOPUS]
- Nitin, Gitanjali Chauhan, Vivek Kumar Sehgal, "Single Tape Deterministic Turing Machines of Routing Algorithms designed for Torus Network", FCS-09, USA, pp 47-52. [To be Indexed in SCOPUS, Indexed in DBLP].
- Rohit Sharma, Vivek Kumar Sehgal, Nitin, Abhinav Thakur, Adnan Munir Khan, Ashish Sharma, and Pankaj Sharma, "Peltier effect based Solar Powered Airconditioning System", (CSSim-EUROSIM/CSSS), Brno, Czech Republic, 2009. [Indexed in SCOPUS]
- Singh,C., Singh, H Nanomedicine: From nano-oncology to nanosensing. *NanotechIndia-2009*, 14-16th August, 2009, Kochi, Kerala, India

C) **Conferences/Workshops Attended**

- Jitendra Mohan. International conference on advances in recent technologies in communication and computing (ARTCOM-2009) October 27-28, 2009, Kottayam, Kerala, India.
- Sajaivir Singh. International conference on advances in recent technologies in communication and computing (ARTCOM-2009) October 27-28, 2009, Kottayam, Kerala, India.

- Sajaivir Singh. International conference on International Conference of Contemporary Computing (IC3) August 16-18, 2009, JUIT Noida, India.
- Shruti Jain. ICWET 2010, International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering & Technology, Mumbai, India, February 26-27, 2010.
- Shruti Jain. ICSAP, 2010 International Conference on Signal Acquisition and Processing, Bangalore, India, February 9-10, 2010.
- Shruti Jain. WECON 2009 International Conference on Wireless Networks and Embedded Systems, Chitkara Institute of Engineering and Technology, Chandigarh-Patiala National Highway, Patiala, India, October 23-24, 2009.
- K . R. Jha , S. V. R. Kondala Rao_ and G. Singh “Constructive interference in Yagi-Uda type printed terahertz antenna on photonic crystal substrate,” 33rd IEEE Sarnoff Symposium , April 12-14 , 2010, Printson , NJ , USA.
- Vanita Rana. First International Conference on Computational Intelligence, Communication Systems and Networks, held during 23rd – 25th July 2009 at Indore, India.
- Vinay Kumar. 4th WSEAS Int. Conf. on CIRCUITS, SYSTEMS, SIGNAL and TELECOMMUNICATIONS (CISST '10), University of Harvard, USA, January 27-29, 2010.
- Vivek Kumar Sehgal. IEEE ICUMT 2009 St. Petersburg. Russia, October 11-15, 2009.
- Viranjay M. Srivastava. IEEE Conference on Wireless Communication and Sensor Networks (WCSN-2009), Organized by IIIT Allahabad, on Dec.' 15-19, 2009, Allahabad, India
- Viranjay Mohan Srivastava. International Conference on Futuristic Computer Applications, IISc Bangalore, 20-21 March'2010
- Mohammed Wajid. “Computational Intelligence, Communication systems and Networks 2010 “ held on July 28th to July 30th 2010 at Liverpool, United Kingdom
- D.S. Saini. 2nd International Conference on Computer and Automation. Engineering(ICCAE 2010). February 26 - 28, 2010. Singapore
- S.V. Bhooshan. 24th International conference on Image and Vision Computing New Zealand, Wellington, New Zealand, 23-25 October 2009.
- Pradeep kumar. Attended workshop on “Teaching Engineering using LabVIEW (12.07.10-14.07.10)” at VIIT Pune.
- Rajiv Kumar. Indo-US Workshop on System of Systems Engineering(SoSE), October 26-28, 2009, IIT, Kanpur, India.
- Tapan Kumar Jain. Attended a seminar on "MATLAB and SIMULINK in engineering education" at Chandigarh, 20 April 2010.
- Tapan Kumar Jain. Attended 3 days workshop on IUCEE C36 in MATLAB at JUIT, Wagnaghat from 12 July to 14 July 2010.
- Vinay Kumar. IUCEE workshop, " Teaching Engineering using LABVIEW", Bangalore, June 28-30, 2010.
- Vinay Kumar. IUCEE workshop, "Teaching Engineering using MATLAB & SIMULINK", Wagnaghat, July 12-14, 2010.
- Dr. Vivek Kumar. December 2009 , Future Processing Chips by Intel, Shimla, India.
- Vivek Kumar. July 2010, IUCEE – workshop on Matlab and Simulink at JUIT.
- Vivek Kumar. December 2010 , i series Processing Chips by Intel, Shimla, India.

- V.M. Srivastava. Workshop on “Teaching Engineering with MATLAB and Simulink” by Indo-US Collaboration for Engineering Education (IUCEE), 12th - 14th July’2010, organized by Jaypee University of Information Technology, Wakanaghat, Solan.
- Mohammed Wajid “Recent Trends in VLSI Design and Technology”, Organized by: Department of Electronics Engineering AMU, Aligarh on 20th march 2010
- Mohammed Wajid “Computer System Performance Analysis”, Organised by Indo-US Collaboration for Engineering Education, at JUET Guna from July 5th to July 9th 2010
- Mohammed Wajid “Teaching Engineering using MATLAB and Simulink”, Organized by Indo-US Collaboration for Engineering Education, at Jaypee University of Information Technology, Wakanaghat from July 12th to July 14th 2010

- **Department of Computer Science & Information Technology**

The Department promotes software, database, internet and information system technologies as well as network and distributed systems. Students are exposed to CASE tools, conceptual modeling, Requirements engineering and data warehouse design. They study all standard courses like Data Structures, Object-Oriented Programming, Operating Systems, Compilers, Computer Networks, etc. A **special feature** of our teaching is **workshop** courses where **intensive practical experience** is given important tools like Unix and Shell Programming, Network Programming, etc. Students are given courses in **cutting edge technologies** immediately **relevant to industry**, for example, Web Programming, Web Services, Web Application Development, Data Mining, etc. Further they can opt for courses in **futuristic technologies** like Quantum Information Theory, Nano-Science & Technology.

Current research interests are in the areas of Algorithms, Computer Graphics, Computer Network and Security, Database Systems, Data Warehousing & Data Mining, Digital Image Processing, Internet Technologies, Learning Science & Technology and Soft Computing.

➤ **Facilities including Labs**

Department puts a great emphasis on laboratory work. While laboratories are also used for developing skills to use and apply various concepts, tools and techniques, their main purpose is to develop the core technical as well as general professional competencies through experimental and collaborative learning. Main purpose of the laboratories is to develop the abilities to design and conduct experiments; collect, analyze and interpret data; work independently and also in teams; and also to improve reporting and communication skills.

This practical experience in the laboratory is intended to nurture the students' initiative, originality, creativity and spirit of inquiry and also to generate an appreciation of the nature of engineering design and scientific discovery. Through various active learning experiences in laboratories, students gain more insights into the field of study, develop ability to apply their knowledge to a greater extent, exhibit a greater level of understanding of course material and sharpen their problem solving skills.

The laboratories of department provide computational facility of approximately 700 computer nodes interconnected via LAN. These nodes are running on the Windows 2000/Windows XP/Linux platform and are equipped with state-of-the-art software. This year, the laboratories were upgraded and 234 old computers were replaced by new computers. Further, the laboratory facility of microcontroller based systems substantially enhanced.

➤ Faculty Activities

A) **Journal Publications**

International

- Rohit Verma, Ravikant Verma, Syamala Jaya Sree P, Pradeep Kumar, Rajesh Siddavatam, S P Ghrera, "A Fast Progressive Image Transmission Algorithm Using Linear Bivariate Splines" SPRINGER International Journal of Communications in Computer and Information Science ISSN: 1865-0929 .
- P. Chaudhuri and J. Elcock, Process Scheduling in heterogeneous multiprocessor systems using task duplication, *International Journal of Business Data Communications and Networking* , 6, 2010, pp. 58 – 69.
- P. Chaudhuri and J. Elcock, Scheduling DAG-based applications in multicluster environments with background workload using task duplication, *Int. J. Computer Math.*, 23 June 2010, DOI: 10.1080/00207160902803314.
- J. Elcock and P. Chaudhuri , Book on *Task Scheduling in Distributed Computing Environments*, LAP Lambert Academic Publishing, Germany, 2010, 166 pages, ISBN 978-3-8383-3194-2.
- Satish Chandra, Rajesh Bhat, Harinder Singh, "Detection of Brain Tumors from MRI using Gaussian RBF kernel based Support Vector Machine", International Journal of Advanced Computing Technology, IICT, South Korea.
- Nitin Rakesh, Nitin, "Multi-sort Algorithm on Multi- Mesh of Trees MMT", Journal of Computing, Vol. 1, Issue 1, August 09, pp. 1-8.
- Nitin Rakesh and Nitin, "Analysis of Multi-Sort Algorithm on Multi-Mesh of Trees (MMT) Architecture", Journal of Supercomputing, Springer, March 2010, DOI: 10.1007/s11227-010-0404-4, pp. 1-38.
- Neetu Singh, Piyush Chauhan, Nitin Rakesh and Nitin, "Team Spirit Model using standards for Video Delivery", International Journal of Communications, Network and System Sciences, Volume 3, pp. 364-368, April 2010.
- Pawan Kumar Verma, Tarun Gupta, Nitin Rakesh and Nitin, "A Mobile Ad-hoc Routing Algorithm with Comparative study of earlier Proposed Algorithms", International Journal of Communications, Network and System Sciences, Volume 3, pp. 289-293, March 2010.
- Deepak Dahiya. "*Teaching Software Engineering: A Practical Approach*". Paper published in the ACM SIGSOFT Software Engineering Notes(SEN), USA, Vol. 35, No. 2, March 2010, pp. 1 – 5.
- Deepak Dahiya. "*Enterprise Systems Development: Impact of Knowledge Management on Software Development Methodologies*". Paper accepted for publication in the International Journal of Advancements in Computing Technology (IJACT), (ISSN 2005–8039), Korea.
- Deepak Dahiya. "*Delivering a Course in Software Engineering: A Hands On Approach*". Paper accepted for publication in the Journal of Convergence Information Technology (JCIT), (ISSN 1975–9320), a DBLP indexed Journal, Korea.
- Nitin and Durg Singh Chauhan, Stochastic Communication for Application Specific Networks-on-Chip, Journal of Supercomputing, Springer, August 2010, DOI: 10.1007/s11227010-0472-5. [In Press, To be Indexed in SCOPUS, DBLP]

- Nitin, Amanpreet Singh Arora, Aditya Patel, Shubhrangshu Naval, Rajat Gupta and Srishti Sarin, Enhancing E-mail Security by CAPTCHA based Image Grid Master Password, Journal of Computing and Applications, July 2010 [In Press].
- Nitin and Durg Singh Chauhan, Comparative Analysis of Traffic Patterns on k-ary n-tree using Adaptive Algorithms based on Burton Normal Form, Journal of Supercomputing, Springer, June 2010, DOI: 10.1007/s11227-010-0454-7, pp. 1-20. [Indexed in SCOPUS, To be Indexed in DBLP]
- Nitin Rakesh and Nitin, Analysis of Multi-Sort Algorithm on Multi-Mesh of Trees (MMT) Architecture, Journal of Supercomputing, Springer, March 2010, DOI: 10.1007/s11227-010-0404-4, pp. 1-38. [Indexed in SCOPUS, To be Indexed in DBLP]
- Pawan Kumar Verma, Tarun Gupta, Nitin Rakesh and Nitin, A Mobile Ad-hoc Routing Algorithm with Comparative study of earlier Proposed Algorithms, International Journal of Communications, Network and System Sciences, Volume 3, March 2010, pp. 289-293.
- Neetu Singh, Piyush Chauhan, Nitin Rakesh and Nitin, Team Spirit Model using MPEG Standards for Video Delivery, International Journal of Communications, Network and System Sciences, Volume 3, April 2010, pp. 364-368.
- Nitin, Shruti Garhwal and Neha Srivastava, Designing a Fault-tolerant Fully-chained Combining Switches Multi-stage Interconnection Network with Disjoint Paths, The Journal of Supercomputing, Springer, October 2009, DOI 10.1007/s11227009-0336-z, pp.1-32. [Indexed in SCOPUS, To be Indexed in DBLP]
- Nitin, Rajan Vaish and Utkarsh Shrivastava, Performance analysis of X-Torus topology by Maximal Utilization of Cross links using Adaptive Load Balanced Routing Algorithm during Congestion, MASAUM Journal of Computing, ISSN 2076-0833, Volume 1, Issue 1, August 2009, pp. 81-89.
- Nitin Rakesh and Nitin, Multi-sort Algorithm on Multi-mesh of Trees (MMT), MASAUM Journal of Computing, ISSN 2076-083, Volume 1, Issue 1, August 2009, pp. 55-62.

National

- Amit Kumar Singh, S.P.Ghrera, Amrit Kumar Agrawal, "Level 2 Feature Extraction and Matching Algorithm using Fingerprint Image" International Journal on Computer Engineering and Information Technology (IJCEIT), 2010, ISSN No. 0974-2034, accepted for publication.
- Amit Kumar Singh, Chandrabhan Pal, Amrit Kumar Agrawal, "Level 2 Feature Extraction Algorithm using Fingerprint Image" International Journal on Computer Engineering and Information Technology(IJCEIT), ISSN No. 0974-2034, Volume 14, No 19 , pp. 33-36, 2010.

B) Conference Publications

- Satish Chand, and Kapil Dev. "Layered Mixed Media Painting." To appear in the Proceedings of International Conference on Computer and Communication Technology (ICCCCT-2010).
- Yashwant Singh and Manu Sood. "Models and Transformation in MDA", Proceedings of the 1st International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN2009), page(s) 253-258, 23–25 July 2009, Indore , India ISBN: 978-0-7695-3743-6
- P. Chaudhuri , An optimal parallel algorithm for topological sorting, *Proceedings of the International Conference on Mathematics and Computer Science*, Chennai, India, 2010, pp. 98 - 101
- Pardeep Kumar et al "Classification Models: Non Evolutionary Vs Evolutionary Approach ", IEEE Explore . IEEE ACT 2009 TRIVANDRAM, India, 28-29 December 2009, IEEE REF NO : 978-0-7695-3915-7/09 \$26.00 © 2009 IEEE, IEEE Digital Object Identifier : 10.1109/ACT.2009.91
- Pradeep Kr. Gupta, Sanjeev Patel, Kishan Chetry, Abhishek Nayan, Yadap Suberi "Performance Comparison of Drop-tail queue and Stochastic fairness queue" at the 12th International Symposium on Wireless Personal Multimedia Communications (WPMC'09), Sep 2009, Japan
- Sunil Bhooshan, Shipra Sharma," An efficient and selective image compression scheme using Huffman and adaptive interpolation", IVCNZ '09, 24th International conference on Image and Vision Computing New Zealand, Wellington, New Zealand, 23-25 October 2009
- Satish Chandra, Shardul Jain, Himanshu Singh, Ankur Chauhan, Deepak Pandey, "Heuristics-aided Load Balancing in Distributed Systems and Node Prioritization: An Intelligent Approach", UKSim 12th International Conference on Computer Modelling and Simulation, Track: Parallel and Distributed Architectures and Systems, Emmanuel College, Cambridge University, England, 24 – 26 March 2010.
- Shardul Jain , Ankit Sabharwal, Satish Chandra, "An Improvised Localization Scheme Using Active RFID for Accurate Tracking in Smart Homes" UKSim 12th International Conference on Computer Modelling and Simulation, Track: Intelligent Systems, Emmanuel College, Cambridge University, England, 24 – 26 March 2010.
- Chandra S, Bhat R, Singh H " A PSO Based method for Detection of Brain Tumors from MRI". In proceedings of World Congress on Nature and Biologically Inspired Computing (NaBIC'09), IEEE Explore DOI:10. 1109/NABIC.2009.5393455, Publication Year: 2009 , Pages: 666 - 671.
- Chandra, S., Bhat, R., and Chauhan, D. S. 2009. A Score Based Method for Controlling the Convergence Behavior of Particle Swarm Optimization. In *Proceedings of the Uksim 2009: 11th international Conference on Computer Modelling and Simulation - UKSIM*. IEEE Computer Society, Washington, DC, 19-24.
- Chandra, S., Shrivastava, U., Vaish, R., Dixit, S., and Rana, M. 2009. Improved-AntNet: ACO Routing Algorithm in Practice. In *Proceedings of the Uksim 2009: 11th international Conference on Computer Modelling and Simulation - UKSIM*. IEEE Computer Society. Washington, DC, 25-29.
- Satish Chandra, D.S. Chauhan, "Pattern Recognition using a Hybrid method based on Neural Networks and Genetic Algorithms", International Conference of Advanced Computing , GREIT, Hyderabad, December 2008. Yashwant Singh and Manu Sood, "Models and Transformation in MDA", Proceedings of the 1st International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN2009), page(s) 253-258, 23–25 July 2009, Indore , India ISBN: 978-0-7695-3743-6.

- Chandrabhan Pal, Amit Kumar Singh, Nitin, Amrit Kumar Agrawal “*An Efficient Multi Fingerprint Verification System Using Minutiae Extraction Technique*” , International Symposium on Computer Engineering & Technology (ISCET 2010) , Mandi Gobindgarh, Punjab, India pp. 299-303, March 19th-20th , 2010.
- Amit Kumar Singh, Amrit Kumar Agrawal, Chandrabhan Pal, ”*Hand Geometry Verification System: A Review*”, IEEE ANVIT 2009, International Workshop on Advances in Computer Networks, VLSI and Innovative Technologies, St. Petersburg, Russia, pp. 1-7 ,ISBN: 978-1-4244-3942-3, October 12th -14th , 2009.IEEE Ref. no: 9781-4244-3941-6/09/\$25.00 ©2009 IEEE
- Amit Kumar Singh, Chandrabhan Pal, Amrit Kumar Agrawal “*A Survey on Multimodal Biometric System*” All India Conference on Recent Emergences and Scope of Electronics Architecture - 2010 (RESEARCH-2KX), under the joint auspices of The Institution of Engineers (India) Haryana state Centre and Center for Advanced Technology (CAT) – Haryana Engineering College, Jagadhri, India pp. 245-251, February 19th – 20th , 2010.
- Amit Kumar Singh, Chandra Bhan Pal, Amrit Kumar Agrawal “*Biometric Verification System Using Hand Geometry*” National Conference On “Emerging Trends in Information & Computing”, ETIC – 2010 GITM, Gurgaon, India pp. 40-44, March 27th, 2010.
- Amit Kumar Singh, Chandra Bhan Pal, Amrit Kumar Agrawal “*Multimodal biometric system using fingerprint images*” National Conference On “Emerging Trends in Information & Computing”, ETIC – 2010 GITM, Gurgaon, India 2010, pp. 28-31, March 29th , 2010.
- Nitin Rakesh and Dr. (Prof) Vivek Kumar ,“Re-establishment of results of Link Reversal Algorithm in wireless Ad-Hoc network”, published in National Science Conference (NSC'08), MIT. Manipal.
- Nitin Rakesh, Abhilash Srivastava and Rishabh Joshi, “Game Theoretic PAPA Analysis for fraud detection in Online Credit Card phantom transaction”, NCRT 09', Sinhgad College of Engineering, Pune.
- Neetu Singh, Piyush Chauhan, Nitin Rakesh, S.P. Ghrera, “Team Spirit Model using standards for Video Delivery”, The National Conference on Recent Developoment in Computing and its Application (NCRDCA '09), Jamia Hamdard (Deemed University), New Delhi, August 12-13, 2009, pp. 90-98.
- Nitin Rakesh, Nitin, “Analysis of All to All Broadcast on Multi Mesh of Trees Using Genetic Algorithm”, The International Workshop on Advances in Computer Networks, VLSI and Innovative Technologies, IEEE-ANVIT 2009, Russia. pp. 1-5.
- Nitin Rakesh, Nitin, “Implementation of Linear Network Coding on Parallel Architecture”, EMS 09, Athens Greece, IEEE, Nov. 25-27, 2009. pp. 450-454.
- Nitin Rakesh, Nitin, “Parallel Prefix Sum Computation on Multi Mesh of Trees”, IEEE INDICON 2009, IEEE Gujarat Section, Ahmedabad Dec. 18-20, 2009. pp. 1-4.
- Nitin Rakesh, Nitin, “ k - k Sorting on Multi-Mesh of Trees”, The Second International Conference on Computer and Automation, Singapore, IEEE, vol. 2, Feb 26-28, 2010, pp. 678-681.
- Ankita Tiwari, Nitin Rakesh, “Minimum Energy and Data Security in Wireless Sensor Network”, Recent Trends in Soft Computing and Information Technology, IEEE Bhopal, 9-10, Jan 2010, pp. 8-13.
- Cherry Jain, Nitin Rakesh, “Detection of fraudulent sites in Online Credit Card Phantom Transactions using Game theoretic PAPA analysis”, Recent Trends in Soft Computing and Information Technology, IEEE Bhopal, 9-10, Jan 2010, pp. 81-86.
- Manik Vashist, Nitin Rakesh, “A Taxonomy for Data Security in Cloud Computing”, Recent Trends in Soft Computing and Information Technology, IEEE Bhopal, 9-10, Jan 2010, pp. 96-100.

- 11th International Conference on Internet Computing (ICOMP), Nevada, USA, July 12-15, 2010. [To be Indexed in SCOPUS, DBLP]
- Nitin, Aditya Patel, Amanpreet Singh Arora, Radhika Medury and Anisha Pubbi, CAPTCHA based Email Hacking Prevention, Proceedings of the 9th International Conference on Security and Management (SAM), Nevada, USA, July 12-15, 2010. [To be Indexed in SCOPUS, DBLP]
 - Nitin, Rohan Kundra and Harshul Singhal, Turing Machine for i-head Hydra, Proceedings of the 12th International conference on Computer Modeling and Simulation (UKSim), Emmanuel College, Cambridge, UK, March 24-26, 2010. [Indexed in SCOPUS]
 - Nitin Rakesh and Nitin, k-k Sorting on the Multi Mesh of Trees, Proceedings of the 2010 The International Conference on Computer and Automation Engineering (ICCAE), Singapore, 26-28, February 2010, pp. 678-681.
 - Nitin Rakesh and Nitin, Parallel Prefix Sum Computation on Multi Mesh of Trees, Proceedings of IEEE INDICON, December 18-19, 2009, Gujarat, INDIA, pp. 1-4. [Indexed in SCOPUS]
 - Nitin Rakesh and Nitin, Implementation of Linear Network Coding on Parallel Architecture, Proceedings of the 3rd UKSim European Symposium on Computer Modelling and Simulation (EMS), Athens, Greece, November 25-27, 2009, pp. 450-454. [Indexed in DBLP]
 - Rohit Sharma, Vivek Kumar Sehgal, Nitin, Abhinav Thakur, Adnan Munir Khan, Ashish Sharma, and Pankaj Sharma, Peltier effect based Solar Powered Airconditioning System, Proceedings of Brno International Conference on Computational Intelligence, Modelling and Simulation (CSSim-EUROSIM/CSSS), Brno, Czech Republic, September 7-9, 2009. [Indexed in SCOPUS]
 - Nitin, Rajan Vaish, Srishthi Sarin and Utkarsh Shrivastava, Adaptive load Balanced Routing Algorithm for X-Torus Topology, Proceedings of the 15th International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA), Nevada, USA, July 13-16, 2009. [To be Indexed in SCOPUS, Indexed in DBLP]
 - Nitin, Rohit Sharma, Abhishek Rai, Akansha Madan, Laxmi Lata Keshote and Parul Gupta, Graphical User Interface for Linux based Distributed File Storage System, Proceedings of the 8th International Conference on Software Engineering Research and Practice (SERP), Nevada, USA, July 13-16, 2009. [To be Indexed in SCOPUS, Indexed in DBLP]
 - Nitin, Gitanjali Chauhan, Vivek Kumar Sehgal, Rohit Sharma, Rohit Verma, Gaurav Kumar Srivastava, Utkarsh Shrivastava and Rajan Vaish, Single Tape Deterministic Turing Machines of Routing Algorithms designed for Torus Network, Proceedings of the 5th International Conference on Foundations of Computer Science (FCS), Nevada, USA, July 13-16, 2009. [To be Indexed in SCOPUS, Indexed in DBLP]
 - Rohit Sharma, Nitin, Vivek Kumar Sehgal, Amit Kumar, Preity Gupta and Ashish Nandan Lal, DELSIC: a Delay Simulator for Interconnect Circuits, Proceedings of the 9th International Conference on Computer Design (CDES), Nevada, USA, July 13-16, 2009. [To be Indexed in SCOPUS, Indexed in DBLP]
 - Vivek Kumar Sehgal, Rohit Sharma, Nitin, Deepankar Bhardwaj, Yaras Agarwal, Mehboob Shrivastava, Prashant Srivastava, Avinash Kuma, D-Torus Topology in Networks-on-Chip: A Perspective Study, Proceedings of the 15th International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA), Nevada, USA, July 13-16, 2009. [To be Indexed in SCOPUS, Indexed in DBLP]

C) Conference/Worshop Attended

- Yashwant Singh -1st International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN2009), 23–25 July 2009, Indore, India.
- Sh Sanjeev Patel - 2nd International Conference on Electronic and Computer technology (ICECT 2010); 07-10 May 2010, Kuala Lumpur, Malaysia
- Sh Rajesh Siddavatam - Attended as also Session Chair in IEEE TENCON 2009, Singapore Nov 23-26, 2009, Suntech City, Singapore
- Sh Pranay Chaudhuri- Session Chair in International Conference on Interdisciplinary Mathematical & Statistical Techniques, 2009, Wagnaghat (HP), India
- Sh Pradeep Kumar Gupta- International conference on “Contemporary computing”, IC3 at Jaypee Institute of Information Technology, University Noida, India, 2009.
- Sh Ravi Kant Verma- 2nd International Conference on Computational Intelligence, Communication Systems and Networks (CICSyN2010), 28–30 July 2010, Liverpool, UK.
- Sh Nitin Rakesh -The National Conference on Recent Developoment in Computing and its Application (NCRDCA '09), Jamia Hamdard (Deemed University), New Delhi, August 12-13, 2009.
- Sh Nitin Rakesh -INDICON 2009, IEEE Gujarat Section, Ahmedabad Dec. 18-20, 2009.
- Sh Nitin Rakesh -The Second International Conference on Computer and Automation, Singapore, IEEE, vol. 2, Feb 26-28, 2010.
- Sh Nitin Rakesh -Recent Trends in Soft Computing and Information Technology, IEEE Bhopal, 9-10, Jan 2010.
- Sh Amol Vasudeva-2nd International Conference on Contemporary Computing, 17-19 Aug, 2009, Jaypee Institute of Information Technology University, Sector 62, Noida, U.P., India.

• **Department of Biotechnology & Bioinformatics**

The Department of Biotechnology & Bioinformatics established in 2002 gained national and international distinction in education by offering UG and PG degrees such as B.Tech. Biotechnology, B.Tech. Bioinformatics, M.Tech. dual degree Biotechnology, integrated dual degree B.Pharm-M.Pharm practice and Ph.D. in Biotechnology as well as Bioinformatics. The course curriculum of various degree programs have been designed with an engineering base in order to keep pace with the needs and requirements of academics and the industry. The modernity of course curriculum is reflected from the fact that in addition to teaching core courses in biotechnology, bioinformatics and pharmacy the students also study courses from basic sciences, engineering disciplines such as computer science & IT, electronics & communication and also professional development so as to equip the students with a breadth of knowledge and diversity of skills. One fourth of the curriculum devotes to courses aimed at overall personality development as well as entrepreneurial skills of the graduates.

The biotechnology discipline encompasses a group of technologies used to improve or modify food products and medicine quality. It reduces wastes and environmental impacts and create renewable energy sources. Therefore, biotechnology skills involve knowledge of several disciplines such as core biological sciences, principles of engineering, medicine, pharmacy, computer science and information technology and other allied sciences. Until few years ago academicians trained in traditional disciplines of biological sciences were specializing in biotechnology and thus meeting the demands of both, academic and industry. However, due to exponential growth and rapid developments in modern biotechnologies as well as the diversity of knowledge and skills required to pursue careers in biotechnology, a need has been felt that educational programmes be launched to educate and train youth in biotechnology, bioinformatics, and pharmacy.

Biotechnology or any other branch of science or engineering requires expertise at two levels: the thinkers and planners who have the experience, competence and vision to identify a problem and design the required approach to solve it. At second level are the bench workers who carry out the procedures designed by the expert team. We at the JUIT are training and producing B. Tech. graduates who are more of thinkers and planners.

The Department has been equipped with 2 Bioinformatics Labs with high end servers, Sun Work Stations and IBM Machines installed with several bioinformatics software packages such as Schroedinger and DNASTAR in addition to many more for educating students in algorithm design, bioprogramming & scripting languages, computational drug designing, development of biological databases, advanced chemo-informatics, etc. The Department has 7 state-of-the-art modern biotech laboratories such as Proteomics Technology lab., Genomic Technologies lab, Plant Biotechnology Lab., Microbial Biotechnology lab., Animal & Plant Cell Culture labs., Environmental Biotech. Lab., Industrial Biotechnology lab, and Pharmacy labs.

The faculty has set up research collaborations with other Institutes and Universities such as All India Institute of Medical Sciences (AIIMS), New Delhi, Institute of Himalayan Bioresource Technology (CSIR), Palampur, Panjab University, Chandigarh, Himalayan Forest Research Institute, Shimla, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh, Indian Agriculture Research Institute (IARI), New Delhi, Defence Institute of High Altitude Research, DRDO, Leh-Ladakh, and the HP University, Shimla.

The high academic profile of faculty has enabled them to win external funding worth Rs. 3.0 crores from various funding agencies such as the Department of Science & Technology (DST) and the Department of Biotechnology (DBT) of the Ministry of Science & Technology, the DRDO, Ministry of Defence, Indian Council of Medical Research (ICMR) and National Medicinal Plants Board of the Ministry of Health & Family Welfare, Ministry of Environment & Forests on various aspects of Biotechnology and Bioinformatics. The Department has set up liaison with the Biotechnology and Pharmaceutical industries such as Panacea Biotech and AyurVet Ltd. by providing consultancy services and by doing R&D of commercial value.

Due to strong R&D programs of the Department, up-to-date educational curricula, modern laboratory infrastructure, highly qualified faculty and the highest placement of graduates in top class industries and educational institutions of world repute, the Department has earned a distinction of ranking 1st in industry interaction and 2nd overall among top private BT schools in the country in 2009.

A distinctive feature of B. Tech. curriculum is the project work in final 2 semesters wherein the students are asked to come up with a research problem aimed at addressing unanswered questions in any area of bioinformatics or biotechnology or any other branch of science & technology. Each student is affiliated to a faculty member to supervise the project work and also to provide guidance for effective and productive implementation of the project work. The monitoring of project work is quite stringent wherein the students are supposed to make a presentation before the entire faculty of the department and also encouraged to come up with a publication in a national or international conference or journals or even file a patent. One of the undergraduate research projects has produced a Indian patent and those undergraduate inventors are currently pursuing higher education in Germany and Canada. The Department has introduced an innovative system of elective modules to the final year students wherein the students are given a choice of choosing modules to strengthen their knowledge and skill profile in a particular technology. The elective module system complements the theoretical knowledge of students related to their project work.

The interdisciplinary nature of Biotechnology and Bioinformatics curriculum provides an opportunity to students to work in information technology (IT), bioinformatics (BI), biotechnology (BT), and pharmaceutical industries because the curriculum has been structured to equip them to work in diverse industries. The placement of B.Tech. graduates has been more than 95% during the last three years with most of the students offered jobs in more than one industry, notable Ranbaxy, Zydus Cadila, and TCS Life Sciences. In addition, every year 15-20 students get admissions in top class Universities in the USA and Europe, wherein they are getting funding from the host institutions due to their academic credentials and achievements.

The diversity of specializations and research pursuits of the faculty puts the department in a unique advantage of pursuing research in any area of biotechnology contrary to most of the departments or R&D institutes in India. As a result the faculty is engaged in research on diverse fields of research such as understanding molecular biology of kidney stone formation and cure thereof, development of molecular diagnostics for diseases and pathogens, animal cell cultures for bioassays and anti-cancer drug discovery, development of herbal-based anti-depressant formulations, low-cost micropropagation technologies for high value ornamentals, fruit plants and medicinal & aromatic plants, plant cell culture technologies for production of phytopharmaceuticals, bioprospecting of

Himalayan bioresources for novel genes and metabolites of medicinal and nutritional importance, development of genome resources for bioresources, transgenic plants with value addition, fermentation technologies for nutraceutical wines, refinements of bioprocesses towards green technologies, microbial bioremediation of environmental pollutants, bioleaching of E-waste, bioconversion of complex lignocellulosic waste into bio-ethanol, gene discovery through comparative and functional genomics, development & validation of molecular markers, DNA fingerprinting in forensics, computational drug designing for bacterial pathogens of biological warfare importance, development of computational prediction tools, development of bioinformatics pipelines & tools, and development of biological databases, etc. All these research programs provide B.Tech. Students an opportunity to “Learn While Doing”-the motto of our education system for producing world-class leaders in science & technology.

➤ **Laboratory Facilities**

Laboratory support for the lecture courses is provided by the following well equipped laboratories in the department.

- Undergraduate Lab-1
- Equipment Room-1
- Microbiology Lab
- Aseptic Room
- Walkin Cold Room
- Fermentation Room
- Washing Room
- Undergraduate Lab-2
- Equipment Room-2
- Plant Growth Room
- Plant Tissue Culture Lab.
- Peptide Room
- G.C. Room
- Green House
- Pharmaceutical Chemistry Lab
- Animal Tissue Culture Lab
- Genomic Technology Lab
- Pharmacology & Physiology Lab
- Pharmaceutics Lab
- Animal House

Faculty Publications

A) Journal Publications

International

- Tanzeer Kaur, Rakesh K. Bijarnia, Surinder K. Singla, Chandandeep Tandon. In-vivo efficacy of *Trachyspermum ammi* anticalcifying protein in urolithiatic rat model. *Journal of Ethnopharmacology* (2009) 126:459-462.
- Priyadarshini, S. K. Singh, Chandandeep Tandon. Mass spectrometric identification of human phosphate cytidyltransferase 1 as a novel calcium oxalate crystal growth inhibitor purified from human renal stone matrix. *Clinica Chimica Acta* (2009) 408: 34-38.
- Jatindra PK and Kumar S. 2009. E-Waste Management: A case study of Bangalore, India. *Res. J. Environmental & Earth Sciences* 1 (2), 111-115.
- Kumari, M., Kumar, S. 2009. Biorefineries: India's future option for energy and chemical feedstock. *As. J. Energy Env.* 10 (3), 160-164.
- Sood H. and RS Chauhan. 2009. High frequency callus induction and plantlet regeneration from different explants of *Picrorhiza kurroa*- a medicinal herb of Himalayas. *African J. Biotechnology* 8: 9-17.
- Sood H. and RS Chauhan. 2009. Development of a low cost micropropagation technology for an endangered medicinal herb (*picrorhiza kurroa*) of north-western Himalayas. *J. Plant Sci.* 4(2):21-31.
- Harvinder Singh; Rupesh Deshmukh; Abhinay Singh; Ashok K Singh, Kishor Gaikwad, TilakRSharma; TrilochanMohapatra, Nagendra Kumar Singh. Highly variable SSR markers suitable for rice genotyping using agarose gel. *Molecular Breeding*. DOI 10.1007/s11032-009-9328-1.2009.
- Mani Srivastava, Harvinder Singh and Pradeep K. Naik Application of linear interaction energy method for rational design of artemisinin analogues as heme polymerization inhibitors. *SAR and QSAR in Environmental Research* 20 (3&4): 327-355.2009.
- Mani Srivastava, Harvinder Singh and Pradeep Kumar Naik Quantitative structure-activity relationship (QSAR) of the artemisinin: the development of predictive in vitro antimalarial activity models. *Journal of Chemometrics* (DOI: 10.1002/cem.1261).2009.
- Pradeep Kumar Naik, Sindhura, Tripta Singh and Harvinder Singh Quantitative structure-activity relationship (QSAR) of the insecticides: the development of predictive in vivo insecticide activity models SAR and QSAR in *Environmental Research* ;20(5-6):551-66.2009.
- Mani Srivastava, Harvinder Singh and Pradeep Kumar Naik Molecular modeling evaluation of the antimalarial activity of artemisinin analogues: molecular docking and rescoring using prime/MM-GBSA approach *Current Research Journal in Biological Sciences*.2(2). 83-102.2009.
- Sharma A. & RS Chauhan. 2010. Development of Candidate Gene Markers and Their Association with High Oil Content in *Jatropha (Jatropha curcas)* Through Comparative Genomics with Castor bean (*Ricinus communis*). *Tree Genetics & Genomics* (In Press).
- Sharma A. & RS Chauhan. 2010. 'Repertoire of SSRs in the Castor Bean Genome and Their Utilization in Genetic Diversity Analysis in *Jatropha curcas*'. *Plant Genetic Resources Characterization & Utilization* (In Press).

B) Conference Publications

- Manu Sharma, Anurag Rakhi, Neetika Sharma, Inhibition of IL-1-induced MMP and MMP-13 expression in human chondrocytes by pentacyclic triterpenoid Lantadene A. Abstract book of Annual meeting of Japanese College of Rheumatology, Kobe Japan, April 2010.
- Manu Sharma, Neetika Sharma, Antitumor activity of pentacyclic triterpenoid Lantadene A: Preclinical studies, Abstract book of Biovision 2010 conference, Alexandria Egypt, April 2010.
- Manu Sharma, N. Sharma, Pentacyclic triterpenoid Lantadene A: Antitumor activity and expression of transcription factors, Abstract book of OzBio 2010 conference, Melbourne Australia, September 2010.
- Sharma, V and Mathur, A*. "Improved Phytase Production by Fungal Isolates using Solid State Fermentation". National Seminar on Fungal Biotechnology, Mithibai College, Mumbai, January 7-9, 2010, pp 42. (Awarded 2nd Best Award)
- Manu Sharma, P. D. Sharma, M. P. D. Sharma, Antitumor activity and inhibition of transcription factors by pentacyclic triterpenoid Lantadene A. Abstract book of International Union of Biochemistry and Molecular Biology, Shanghai China, August 2009.

• Conferences/Workshops Attended

- Dr. C. Tandon Delivered an invited talk on "Discovery of Novel Calcium Crystal Oxalate Growth Inhibitory Proteins from Medicinal Plants by Mass Spectrometry" at BIT Life Sciences' 3rd Annual Protein & Peptide Conference (PepCon 2010), held in March 21-23, 2010 in Beijing, China.
- Dr. C. Tandon Delivered an invited talk at Symposium on "Recent Advances in Biological Sciences" sponsored by Department of Biotechnology (DBT), Govt. of India at DAV College Nov. 6-7, 2009, Chandigarh, India.
- Dr. Sudhir Syal invited as a Speaker In 7th International Biofuels Conference held at Hotel Le- Meridian organized by Winrock International India, New Delhi, India. In March 2010.
- Dr. Sudhir Syal imparted training to Army Personal of Leh (J & K) Unit on Solid Waste Management at High Altitudes and Fabrication of Biogas Plant in March, 2010.
- Dr. Sudhir Syal training coordinator of "Summer Training Program" for outstation students. Module Coordinator for "Environmental Biotechnology and Microbial Techniques." in June, 2010.
- Dr. Ashwani Mathur imparted training three days workshop on Developing Technology Commercialization and Transfer Specialists organized by Consultancy Development Centre, under DSIR, Govt. of India from 24th Feb., 2010 to 26th Feb., 2010
- Dr. C. Rout Invited lectures in Bioinformatics Centre, HP University, Shimla for UniProtKB/TrEMBL Databases and Information Retrieval or Applications of Nucleotide Databases on 26/9/2010.
- Dr. C. Podury Involved in summer training in the month of July, 2010 at the Dept BI BL JUTT, Wagnaghat.
- Sood H and Chauhan RS. 2010 Biotech Interventions Towards Rapid Multiplication and Production of a Medicinal Compound (Picroside-1) in an Endangered Herb, *Picrorhiza kurroa* Royle ex Benth 18th -19th March 2010.

Workshop on challenges and opportunities for growth of medicinal plant sectors in North-West Himalayas HFRI (ICFRI) Shimla

- Sharma S, Sood H., Mathur A and Chauhan RS.2010 Optimization of bioreactor parameters for *in vitro* production of medicinal compounds in shoot cultures of an endangered medicinal herb, *Picrorhiza kurroa* Royle ex Benth. National Symposium on Plant Cell Tissue and Organ Culture: The Present Scenario & XXXI Annual Meeting of Plant Tissue Culture Association, March 3-5 2010 CAS, Dept of Botany, University of Kolkata, India

D) Workshop Conducted by the Department

- Dr.Gargi Dey Conducted Workshop on “Yeast Molecular Biology & Biochemical Analysis” from 23-27th July, 2009. The workshop was conducted at JUIT in collaboration with Prof Karl-Dieter Entain from the Institute of Molecular Sciences, Frankfurt University, Germany.
- Dr.C. Rout.organised three days from (14th-16th January, 2010)workshop on Data Mining for Bioinformatics and its Industrial Applications (DMBIA) Jointly Organized by JUIT and Louisiana Tech Univ., LA, USA ,at JUIT, Wajnaghat.

- **Department of Civil Engineering**

The Department offers B.Tech. degree in Civil Engineering and M.Tech. in Construction Management. The Department also offers doctoral programme in various fields of Civil Engineering. The undergraduate program has been specially designed keeping in view the emerging civil infrastructure needs of the country as well as the modern emphasis on IT enabled Civil Engineering courses. The curriculum has been prepared to keep it more practice and industry oriented without losing its academic focus.

Departmental laboratories cover the areas of fluid mechanics, concrete technology, highway engineering, environmental engineering, geotechnical engineering and surveying. Students are enabled to work with latest equipment like TOTAL STATION and computerized UTM etc. and also software tools such as STAAD.pro-2005, MATLAB, Primavera P6, AutoCAD 2005, and Estimator 2.0.

➤ **Labs**

- CAD Lab
- Concrete Lab
- Environmental Engg. Lab
- Fluid Mechanics Lab
- Geotechnical Engg. Lab
- Highway Engg. Lab
- Surveying Lab
- Workshop Practices Lab

➤ **Faculty Publications**

A) **Journal Publications**

International

- Ashok Kumar Gupta, "Effect of Particle Size and Confining Pressure on Breakage and Strength Parameters of Rockfill Materials", Electronic Journal of Geotechnical Engineering, Vol. 14(2009), Bund. H, pp. 1-12. ISSN 1089-3032.
- Ashok Kumar Gupta, "Triaxial Behaviour of Rockfill Materials", Electronic Journal of Geotechnical Engineering, Vol. 14(2009), Bund. H, pp. 1-18. ISSN 1089-3032.
- S.K. Jain (2009). "Mroz' local response moduli as a means for comparing constitutive equations of plasticity." Mechanics of Advanced Materials and Structures, Vol. 16, Issue 8, 2009, pages 632-640. USA.
- Jain, S.K. and A. Nanda (2009). "Constitutive modeling of San Francisco Bay Mud. International Journal of Geotechnical Engineering, Vol. 3, Issue 4, pages 527-533, October 2009. USA.
- S.K. Jain and Atul Nanda (2010). "Numerical modeling of field pressuremeter tests." International Journal of Earth Sciences and Engineering, August 2010 (In press).
- Richa Babbar, D.S. Arya and Himanshu Joshi (2009). A Proposed Decision Support System for River Water Quality Management in India. Journal of Decision Systems (Lavoisier Publications), vol. 18, no. 4, pp. 411-427.

- Richa Babbar (2010). Mixed integer programming for water quality management of Tropical River: a case study, Journal of Transdisciplinary Environmental Studies (Accepted)

National

- Richa Babbar (2009). Emerging Role of Community in Rural Sanitation: A Developing Country Perspective. Journal of Environmental Research and Development, vol. 4, no.2, pp. 629-635.
- U.C. Kothiyari and Ashish Kumar," Temporal Evolution of Scour around Isolated Circular Bridge Piers", Journal of Hydraulic Engineering, ISH. (Accepted)

B) Conference Publications

- S.K. Jain and Atul Nanda (2009). "Numerical modeling of pressuremeter test." Proc. International conference on Advances in Concrete, Structural and Geotechnical Engineering, BITS Pilani, October 2009.
- S.K. Jain and Atul Nanda (2009). "Preserving the samples of San Francisco Bay Mud: A case history." Indian Geotechnical Conference (IGC-2009), Guntur, A.P., December 2009.
- S.K. Jain and K.K. Jain (2009). "A semi-graphical procedure using Mohr circle in Geotechnical Engineering." Indian Geotechnical Conference (IGC-2009), Guntur, A.P., Dec. 2009.
- Rajesh Goyal, A.K. Ahuja," Wind Loads on Attached Projections to Low Rise Buildings", 5th National Conference on Wind Engg.-2009, NCWE-09, SVNIT, Surat, 2009.
- Rajiv Chauhan, Rajesh Goyal, Rajiv Sharma," Smart Material: Future for Civil Engineering", The 1st International Conference on Sustainable Infrastructure and Built Environment in Developing Countries (SIBE-2009), Bandung, Indonesia, 2009.
- Rajesh Goyal, A.K. Ahuja," Corner Region Pressure on Attached Canopies to Low Rise Building" Accepted for publication in The 5th Civil Engineering Conference in the Asian Region and Australian Structure Engineering Conference 2010, scheduled during 8-12 August 2010 at Sydney, Australia.
- Rajesh Goyal and A.K. Ahuja, "Comparative Study of Wind Loads on Gable Roof Buildings With and Without Attached Canopies" Accepted for publication in proceeding of The fourth International Conference on Structural Engineering, Mechanics and Computation scheduled during 6-8 Sept. 2010 at Cape Town, South Africa.
- Rajiv Chauhan, S. Mittal and Rajesh Goyal," A review of basic soil structure interaction models for geotechnical problems," Accepted for publication in proceeding of The fourth International Conference on Structural Engineering, Mechanics and Computation scheduled during 6-8 Sept. 2010 at Cape Town, South Africa.
- Richa Babbar and Himanshu Joshi (2009). Integrating socio-economic aspects for decision support: Underlying theories and principles. Presented at the 33rd IAHR Congress, co-located with the CSCE 19th Canadian Hydrotechnical Conference from August 9-14, 2009, in Vancouver, BC, Canada.
- U.C. Kothiyari and Ashish Kumar," Temporal Variation of Scour around Circular Bridge Piers", in the proceedings of National Conference of Hydraulics, Water

Resources, Coastal and Environmental Engineering “HYDRO 2009” at CWPRS, Pune, Dec. 17-18, 2009. •

- Richa Babbar, Rashmi Vikal and Aruna Thube (2010). An Electrical Analogy for flow augmentation in tropical rivers. Presented at IX International Conference on Environment and Electrical Engineering (Co-Sponsored by IEEE) from May 16 - 19, 2010 at Prague, Czech Republic. In: IEEE Xplore D.O.I 10.1109/EEEIC.2010.5489921, pp. 419-422.
- Anil Kumar and Poonam, “Hybrid Control of High Rise Buildings against Earthquakes Using Quadratic Optimal Approach” at 9th International Conferences on High Rise Towers and Tall Buildings (HTTB-2010), Technical University, Munich, Germany during April 13-17, 2010
- Anil Kumar, Poonam and V K Sehgal, (2010) "Hybrid Control of Tall Buildings against Ground Excitations Using *H-infinity* Control Approach ," accepted to appear in the Proc. of 79th International 2010-SEAOC Convention, Sept. 22-25, 2010, Indian Well, California, USA.

C) Conferences Attended

- Dr. S.K. Jain attended National workshop on, “Role of Environmental Geotechnology in Waste Management,” 2-6 November 2009, I.I.T. Guwahati.
- Dr. S.K. Jain attended International Conference on Advances in Concrete, Structural and Geotechnical Engineering (ACSGE 2009), BITS Pilani, October 2009.
- Dr. S.K. Jain National workshop on “Role of Geosynthetics in Civil Infrastructure and Geoenvironmental Protection Projects,” August 10-14, 2009, I.I.T. Madras.
- Dr. Rajesh Goyal attended 5th National Conference on wind Engg.-2009, NCWE-09, SVNIT, Surat, November 2009.
- Dr. Rajesh Goyal attended The 1st International Conference on Sustainable Infrastructure and Built Environment in Developing Countries (SIBE-2009), Bandung, Indonesia, November 2009.
- Dr. A. D. John attended The 7th Asia-Pacific Conference on Wind Engineering (APCWE-VII) November 8-12, 2009 at Taipei, Taiwan.
- Anil Kumar and Poonam attended 9th International Conferences on High Rise Towers and Tall Buildings (HTTB-2010), Technical University, Munich, Germany during April 13-17, 2010.

D) Workshop Conducted

- Started local Chapter of Indian Institute of Bridge Engineering (IIBE) in January 2010.
- Total station workshop was conducted (January 2010)

Department of Physics

The Department of Physics offers various interdisciplinary courses and projects at undergraduate and post graduate level. All faculty members are actively involved in research in key scientific and technological areas as Semiconductor Physics (both inorganic and organic), Microwaves and Antenna designing (Numerical Modeling, Design and simulations), Nanotechnology (Nano ferrites, Carbon Nano structures etc.). The department is offering courses on a wide spectrum of disciplines as Optics, Laser Physics, Statistical Physics, Thermodynamical Physics, Atomic Physics, Electromagnetism, Solid State Physics, Quantum Physics, Biophysical techniques involving spectroscopy, Chemical Thermodynamics, Biomaterials, Material Science, Optical Fibres, Wireless Networks, Photonics and Microwave Devices, Nanotechnology, Thin Film Technology, Biosensors. The faculty of the department has established many research collaborations with corresponding departments in various other Universities as Himachal Pradesh. University Shimla, Panjab University Chandigarh, Punjabi University Patiala, Delhi College of Engineering. In near future, the department plans to extend these collaborations to Research Institutes and industries for fruitful realization and productivity of their research. On account of this research, the Department of Physics has come out with research publications in esteemed international and national journals and presented the research work in many international and national conferences. Already three students of the department have obtained their Ph.D degrees and two are about to submit their thesis shortly.

➤ Laboratories

The department has well equipped laboratories having the latest well maintained instruments to cater to laboratory classes of B.Tech courses. These laboratories have setup on optics as Newton's Rings, Diffraction grating, polarimeter, radiation physics as Planck's photo cell, electronics as Hall Effect set up, Four probe set up, dielectric constant and capacitance measurements, Optical fibres set up, Hysteresis loop, Frank Hertz experimental set up, Magnetostriction and Magneto resistance measurement devices. In addition to this to carry out research, the department has four laboratories. The department has a spectroscopy laboratory with UV-VIS-IR spectrophotometer and a semiconductor laboratory with a Vacuum coating unit for thin film deposition, Keithley digital multimeter for I-V measurements, UV laminar flow, ultrasonic cleaner for substrate cleaning, Furnace, electronic balance, Hot Oven, Lasers and sample holder to study transport properties of semiconductors in vacuum. The department has a microwave antenna laboratory to carry out experiments and simulations on micro strip antenna designs. In addition to this, the department also has a wet lab to carry out deposition of nano particles using chemical bath deposition technique and using micelles and a spin coating unit to deposit organic thin film.

• Faculty Activities

➤ Publications

A) Journal Publications

International

- Pankaj Sharma, I. Sharma and S. C. Katyal, “*Physical and optical properties of binary amorphous selenium-antimony thin films*” Journal of Applied Physics, Vol. 105(5) (2009) 053509 (AIP: USA).
- P. Sharma, V. S. Rangra, Pankaj Sharma and S. C. Katyal, “*Far Infrared Study of Amorphous $Ge_{0.17}Se_{0.83-x}Sb_x$ Chalcogenide Glasses*” Journal of Alloys and Compounds, (2009) in press (Elsevier: Netherlands).
- Mainika, N. Thakur, Pankaj Sharma, S. C. Katyal, “*Impurity effect on the optical properties of Se-Te thin films*” Journal of Non-Oxide Glasses, Vol 1(2) (2009) 90 (INOE: Romania).
- Pankaj Sharma and S. C. Katyal, “*Effect of Cd and Pb impurities on the optical properties of amorphous $(As_2Se_3)_{90}Ge_{10}$ thin films*” Applied Physics B: Laser and optics, Vol 95(2) (2009) 367 (Springer: USA).
- Pankaj Sharma and S. C. Katyal, “*Effect of substrate temperature on the optical parameters of thermally evaporated Ge-Se-Te thin films*” Thin Solid Films, Vol. 517(13) (2009) 3813 (Elsevier: Netherlands).
- Pankaj Sharma and S. C. Katyal, “*Effect of deposition parameters on the optical energy gap and refractive index of α -Ge-Se-Te thin films*” Philosophical Magazine, Vol 88(17) (2008) 2549 (Taylor & Francis: UK).
- Ambika Sharma, P. B. Barman “Calorimetric and optical study of amorphous $Se_{85-x}Te_{15}Bi_x$ glassy alloy”. Thin Solid Films, Volume 517, Issue 9, 2 March 2009, Pages 3020-3023
- Ambika Sharma, P. B. Barman “Effect of Bi incorporation on glass transition kinetics of $Se_{85-x}Te_{15}$ glassy alloy” Journal of Thermal Analysis and Calorimetry Volume 96, Number 2 / May, 2009
- Ambika, P. B. Barman “Study of physical parameters of α - $Ge_{20}Te_{80-x}Bi_x$ glassy system. Defects and Diffusion Vol. 293 (2009) pp 107-112
- Ambika, P. B. Barman “An optical study of vacuum evaporated $Se_{85-x}Te_{15}Bi_x$ chalcogenide thin films” Physica B (2009), doi:10.1016/j.physb.2009.06.147
- R. Kumar, Vineet Sharma, Dheeraj Sharma, NAGESH THAKUR ‘An insight into the mechanism of ordered holes formation in porous alumina template ,Optoelectronics and Advanced Materials – RAPID COMMUNICATIONS Vol.3, (3), March 2009, p. 190–194.
- Dheeraj Sharma , P. Sharma, N. Thakur ‘ Analysis of the optical constants of spun cast polystyrene thin film, Optoelectronics and Advanced Materials – RAPID COMMUNICATIONS Vol. 3, No. 2, February 2009, p. 145 – 148
- Dheeraj Sharma , P. Sharma, N. Thakur ‘Comparision of optical properties of spun cast polystyrene and iodine doped polystyrene films, Optoelectronics and Advanced Materials – RAPID COMMUNICATIONS Vol. 3, No. 4, April 2009, p. 386 – 390.
- S.K.Khah, T Chakravarty, P Balamurli “Analysis of electromagnetically coupled microstrip ring antenna using an extended feed line” Journal of Electromagn. Waves and Applications (JEMWA), Vol 23, (2009).,369-376

- M.Mahajan, T Chakravarty, S.K.Khah, "Extended cavity model for input impedance of annular Microstrip antenna loaded with multiple shorting posts", Journal of Electromagn. Waves and Applications (JEMWA), Vol 22, (2008).1333-1340
- M.Mahajan, T Chakravarty, S.K.Khah, "Resonant Frequency of asymmetrically loaded Microstrip annular ring antenna", Microwave and Optical Technology Letters Vol. 50, No.9. (2008). 2351-2353
- Sangeeta Thakur, S.C.Katyal, M. Singh "Structural and magnetic properties of nano nickel- zinc ferrite synthesized by reverse micelle technique," published in Journal of magnetism and magnetic materials, vol. 321 pp. 1-7 (2009) (NORTH-HOLLAND)
- Sangeeta Thakur, S.C.Katyal, A. Gupta, V. R. Reddy, M.Singh, "Room temperature ferromagnetic ordering in indium substituted nano nickel zinc ferrite" presented at 53rd annual conference on magnetism and magnetic materials at Austin USA from 10-14 Nov. 2008 and published in Journal of applied physics. Vol. 105, pp 1 2009. (American institute of physics). Also selected by virtual Journal of nanoscience and technology.

National

- Shikha Bharadwaj, H.P.sinha and Sunil Kumar Khah. Study of return loss of an array of stacked microstrip ring antenna. *International Journal of Information tech. & Knowoledge Managemant*. Vol.2. No.2.,285-286 (2010)

International Conference of Forum For
Interdisciplinary Mathematics on
Interdisciplinary Mathematical and
Statistical Techniques
During 2-4 August, 2009



IMST 2009-FIMXVIII

• **Department of Professional Development**

The Department of Professional Development is a source of change-facilitators who serve to complement the existing and emerging educational programs of our University by imparting professional and behavioral competencies and, thereby, transforming our students to become the New-age, Innovating, Competitive and Enterprising leaders in their chosen professions of service and technology. This department serves as a 'Centre of Excellence' dedicated to the dissemination of professional and behavioral knowledge pertaining to Communication skills, Interpersonal skills and Managerial skills among our students. The Department was set up with the intention of producing well-rounded engineers, not only having good technological skills but also with the ability to interact with different organs of an organization.

Professional Development (PD) Department commits to make the following deliverables in respect of Teaching, research and Service to our family of institutions:

➤ **Teaching**

- To improve the quantitative, communication and interpersonal skills of our students;
- To provide high-quality decision-making education in all area of professional and behavioral development;
- To improve the effectiveness and quality of teaching of the faculty;
- To encourage the faculty to place greater emphasis on motivating and counseling students and to participate in students' organization and activities
- To update, enrich and present the course content and keep them increasingly relevant and action-oriented;
- To design customized professional courses to complement and enhance the niche areas of engineering and technologies; and
- To develop, sponsor, and conduct executive education.

➤ **Research**

- To improve the research atmosphere and support to the department;
- To encourage faculty and students to research and present at least one research output every year at professional meetings;
- To help identity joint research projects and topics and to encourage faculty members towards interdisciplinary projects; and
- To increase the approach and acquisition of research grants and sponsorships.

➤ **Service**

- To encourage faculty and students to relate usefully to our institutions and wider community via active participation in selected activities.
- To encourage faculty members to work with Departmental and University committees and programs;
- To encourage faculty and students to serve the local, national and professional organizations; and
- To encourage faculty and students to apply for and participate in service –oriented grants and sponsorships.

➤ Facilities

- SPSS – v.16.0 software with SPSS Base and four add-on modules - SPSS Conjoint, SPSS Neural Networks, SPSS Regression Models, SPSS Trends.

➤ Faculty Publications

A) Journal Publications

International

- **Kaur, A.** and Medury, Y. (2010). “Impact of familial characteristics on Indian children’s influence in family purchases”. *International Journal of Indian Culture and Business Management*. (Accepted)

Conference Publications

- Kaur, A. and Medury, Y. (2009). “Shopping as a major influence on consumer socialization among urban Indian adolescents”. 3rd Asia Pacific Marketing Conference, December 2009, Universiti Malaysia Sarawak, Malaysia.
- Kaur, A. and Medury, Y. (2010). “Traditional and contemporary influences on consumer socialization: results from an exploratory in India”. Global Marketing Conference, September 2010, GMC, Japan. (accepted)
- Puneet Bhushan Sood, Pavit Verma (2010), “Implementing Six Sigma in Service Sector: A Model for the Hotel Industry”, 4th International Conference on Management Next: Paradigms & Innovations, Mohali, Feb 19-20.
- Puneet Bhushan Sood (2009), “Bridging Digital Divide in India for Better E-governance”, National Seminar on “Emerging Trends & Challenges in Governance”, H.P.U. Shimla, Nov 20-21.
- Rashmi Sud Chaudhry (2009), "performance of insurance sector in the rural market-Case study of Himachal Pradesh.".- International conference organized by Punjab Commerce and Management Association(PCMA) on Business Challenges& Opportunities in South Asia, Oct 24-25.
- Kaur, A. and Medury, Y. (2010). “Children’s influence on family purchases: some new insights”. GMC, September 2010, Ryutsu Keisai University, Japan. (Accepted)

CENTRES

- **Learning Resource Center (Library)**

Learning Resource Center (LRC) is a backbone of academic and research activities of the University and has been catering to the information need of the faculty members, students, staffs and research scholars. LRC is a separate block of four storied building embedded to main academic block which can accommodate 300 students at a time in order to carry any activity related to study and research. The LRC has around 24392 volumes of books and 800 back volume of journals which covering the disciplines of Computer Science and Engineering, Electronics and Communication Engineering, Information Technology, Civil & Environmental Engineering, Biotechnology, Bioinformatics, Pharmacy, Mathematics, Physics & Material Science, Management, and languages. The Collection comprises of Print monograph such as Textbooks, Reference Books, Encyclopedias, Handbooks, Theses, Standards, Atlases, etc. LRC is regularly subscribing 41 International Journals, 44 National Journals, 46 National and International magazines in order to supplement teaching and research activity of the university. The Non-book materials include audio/video cassettes, CD-ROM discs, DVD-ROM discs etc. The LRC is an active member of Indian National Digital Library in Engineering, Science and Technology (INDEST) consortia for subscribing e-journals initiated by MHRD and AICTE. LRC is subscribing IEEE, ACM, Springer, ASCE, Emerald digital library from INDEST. Around 16683 full texts electronic resources of Journals, Conference Proceedings, Transactions, Magazines and Reports are available for reading throughout the campus. LRC is also active member of Developing Library Network (DELNET), New Delhi for resource sharing, document delivery services among the member libraries and supplementing the needs of the resources which are not available with LRC. LRC has subscribed industrial database INDIASTAT and Prowess also. There are 95 dedicated computer nodes and are fully connected with Internet and LAN of the campus. Students, faculty, research scholars can use computer facility in LRC for the purpose of browsing internet, accessing journals, reading course materials during the opening hours of the LRC. LRC resources are fully computerized and bar-coded with latest version of library automation software Alice For Windows now upgraded to Liberty (a fully internet based library automation software). All activities of the LRC are computerized and patrons have been issued Bar-coded Identity card. All the resources of LRC can be viewed, searched through Internet OPAC or dedicated terminal for OPAC throughout the campus through Internet. LRC remains open from 8:30 AM to 12:00 PM midnight except holidays. LRC has implemented an integrated electromagnetic security system from 3M, USA for the materials movement of the LRC. The LRC has also developed an institutional repository by using Dspace, Open Source Software for maintaining scholarly output of the university.

- **Resource Collection**

1. Total Collection (As per the Accession Register)	:	24392
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• **Subject wise Collection**

Sr	Department	Number of Titles (Aprox)	Number of Copies (Aprox)
1	Computer Science and Information Technology	2044	5991
2	Electronics and Communication Engineering	1847	4653
3	Civil and Environmental Engineering	1107	2777
4	Biotechnology and Bioinformatics	1606	3144
5	Mathematics	967	1932
6	Physics and Materials Science	378	1253
7	Management and Professional Development	1278	2554
8	Chemistry	145	294
9	Language (Hindi, English & Literatures)	170	285
10	Other Subject Collections	114	130

2. Electronic Resources : ACM - 283
 IEEE - 219
 Springer - 801
 Emerald - 150
 ASCE - 32
 IEEE Conf Proceedings – 14000 (Aprox)

3. Ebooks (SIAM) : 377 Titles

4. Print Journals

- International – Current Subscription : 33
- International – Back Volume : 160

5. Print Journals

- National – Current Subscription : 38
- National – Back Volume : 104

- International – Current Subscription : 4
- National – Current Subscription : 42
- 7 Newspapers (All Nationals) : 65
- LRC Professional Activities

LRC and its staff members are actively involved in various professional activities taking place in the country as well as abroad

Journals

- Shri Ram (2010). Research Practices in Herbal Medicinal Plant. A Case Study of Podophyllotoxin. *Annals of Library and Information Studies*. Vol 57. Issue 1, pp 65-71.
- Shri Ram (2010). Information Literacy through Web 2.0 Integrated WebOPAC: An Experiment at Jaypee Group of Institution. *DESIDOC Journal of Library and Information Technology*. Vol 30. No 3. pp43-50.
- Shri Ram and N Laxman Rao (2010). Meeting Bioinformatics needs through Information Resource Integration. *SALIS International Journal of Information Management and Technology*. Vol 1 Issue 1 Pp1-8.
- Shri Ram and N Laxman Rao (2010). Information Resources for Education, Training and Research in Agricultural Bioinformatics. *Indian Journal of Library and Information Services*. Vol 25 Issue 2 Pp1-7.

International Conferences & Symposia

- Sanjay Kataria, Shri Ram, John Paul Anbu and Jay Bhatt (2010). Social Networking for event Management: A Case with ETLLIS 2010 a Ning. In Sanajya Kataria, John Paul Anbu and Shri Ram: *Emerging Technologies and Changing Dimensions of Libraries and Information Services*. New Delhi: KBD Publications, 2010, pp24-27.
- Shri Ram, Sanjay Kataria, Allen Hopkinson and Nitin Paliwal (2010). Acceptance and Usage of Web 2.0 Services in Libraries: A Survey. In Sanajya Kataria, John Paul Anbu and Shri Ram: *Emerging Technologies and Changing Dimensions of Libraries and Information Services*. New Delhi: KBD Publications, 2010, pp69-73.
- Shri Ram, Rohit Sureka, Puneet Sharma, N Laxman Rao (2010). Integrating Bioinformatics Information Resources. Managing Information through Clustering. *IEEE Technology Symposium (IEEE TechSym, 2010)*.
- Shri Ram, N Laxman Rao, Rohit Sureka and Puneet Sharma (2009). Link based Bioinformatics Resource Access – iBIRA. *Proceedings of International Conference on Academic Library (ICAL-2009)*, University of Delhi, Delhi. [Delhi: 5-8, October, 2009].
- Shri Ram and N Laxman Rao (2009). Looking for Bioinformatics Information in e-Learning Environment. Perspectives on Librarians Role in Management of Information with Web 2.0 Technology. *Proceedings LADIS e-Society Conference at Barcelona, Spain*. [Spain: 25-28 February, 2009].
- Shri Ram, N Laxman Rao and Sanjay Kataria (2009). Taking Well to Thirsty: Library Toolbar-Changing of the Users Environment into New Environment. *Proceedings of International Conference on Knowledge Networking in ICT Era* [Chennai: January 22-24, 2009].

6 Magazine

- International – Current Subscription : 4
- National – Current Subscription : 42
- Newspapers (All Nationals) : 63
- LRC Professional Activities

LRC and its staff members are actively involved in various professional activities taking place in the country as well as abroad

Journals

- Shri Ram (2010). Research Practices in Herbal Medicinal Plant. A Case Study of Podophyllotoxin. *Annals of Library and Information Studies*. Vol. **57**. Issue **1**, pp 65-71.
- Shri Ram (2010). Information Literacy through Web 2.0 Integrated WebOPAC: An Experiment at Jaypee Group of Institution. *DESIDOC Journal of Library and Information Technology*. Vol **30**. No **3**. pp43-50.
- Shri Ram and N Laxman Rao (2010). Meeting Bioinformatics needs through Information Resource Integration. *SALIS International Journal of Information Management and Technology*. Vol 1 Issue 1 Pp1-8.
- Shri Ram and N Laxman Rao (2010). Information Resources for Education, Training and Research in Agricultural Bioinformatics. *Indian Journal of Library and Information Services*. Vol 25 Issue 2 Pp1-7.

International Conferences & Symposia

- Sanjay Kataria, Shri Ram, John Paul Anbu and Jay Bhatt (2010). Social Networking for Event Management: A Case with EFTILIS 2010 @ Ning. In Sanajya Kataria, John Paul Anbu and Shri Ram: *Emerging Technologies and Changing Dimensions of Libraries and Information Services*. New Delhi: KBD Publications, 2010. pp24-27.
- Shri Ram, Sanjay Kataria – Allen Hopkinson and Nitin Paliwal (2010). Acceptance and Usage of Web 2.0 Services in Libraries: A Survey. In Sanajya Kataria, John Paul Anbu and Shri Ram: *Emerging Technologies and Changing Dimensions of Libraries and Information Services*. New Delhi: KBD Publications, 2010. pp69-73.
- Shri Ram, Rohit Sureka, Puneet Sharma, N Laxman Rao (2010). Integrating Bioinformatics Information Resources. Managing Information through Clustering. *IEEE Technology Symposium (IEEE TechSym, 2010)*
- Shri Ram, N Laxman Rao, Rohit Sureka and Puneet Sharma (2009). Link based Bioinformatics Resource Access - iBIRA. *Proceedings of International Conference on Academic Library (ICAL-2009), University of Delhi, Delhi*. [Delhi: 5-8, October, 2009].
- Shri Ram and N Laxman Rao (2009). Looking for Bioinformatics Information in e-Learning Environment. Perspectives on Librarians Role in Management of Information with Web 2.0 Technology. *Proceedings IADIS e-Society Conference at Barcelona, Spain*. [Spain: 25-28 February, 2009].
- Shri Ram, N Laxman Rao and Sanjay Kataria (2009). Taking Well to Thirsty: Library Toolbar-Changing of the Users Environment into New Environment. *Proceedings of International Conference on Knowledge Networking in ICT Era* [Chennai: January 22-24, 2009].

- Shri Ram and Sanjay Kataria (2008). E-Learning and Information Access in Distance Education: Challenges and Opportunity for Library and Information Centers. *Proceedings of International Symposium on Emerging Trends and Technologies in Library and Information Services* [Noida, India: 18-20 December, 2008]: KBD Publications, 2008.

National Conferences & Symposia

- Shri Ram (2010). Libraries as an Institution of combating corruptions. In S Shyam Sunder Rao: *Trends and Challenges in Management and Corporate Libraries in Digital Era*. New Delhi: Allied Publishers Pvt Ltd, 2010, pp169-173.
- Shri Ram (2007). RSS Feeds and its Dynamic Role in Library & Information Centers. *Proceedings of Recent Trends in Library & Information Services (RTLIS-2007)* (15-16, Nov 2007; NIT Hamirpur) . p180-184, 2007
- Shri Ram and Sanjay Kataria (2006). Facilitating Access and Use of Bioinformatics Informatics Information Resources through Digital Library System. *Proceedings of National Conference on Initiatives on New Library and Information Services*, (Coimbatore: June 8-10,2006)

Conference Organized

Learning Resource Center JUIT Organised 2nd International Symposium on Emerging Trends and Technologies in Libraries and Information Services from June 3-5, 2010. This International Conference had participants from all over the world and almost covering every state of India. More than 350 delegates from all over the world from the fields of Library and Information Science, Computer Science and Information Technology had their representations during the three days conference. The International delegates represented the countries from USA, UK, South Africa, Swaziland, Turkey, Iran, Sri Lanka, Bangladesh, Malaysia, Singapore, New Zeland, South Korea, Norway.

2nd International Symposium
On
Emerging Trends and Technologies
In Libraries and Information Services
(3-5 June, 2010)



ETTLIS-2010

IT Infrastructure Centre

The main objectives of the Server Room (IT Infrastructure Centre) are to provide support to the various departments of the Institute in all spheres of academic computing, to maintain and develop the IT infrastructure and applications software to support introductory and advanced courses, to train users, generate trained manpower to maintain IT infrastructure (Servers, Networks, Client Server Network), to provide support to institute computerization efforts, to support research & development, and to serve a user population of more than 2000 including postgraduate students, postgraduate students, research scholars, and faculty members.

The Centre also has the responsibility to develop and implement application software for the Institute like finance, payroll, results, MIS reports and electronic library etc.

Computing Facilities

The Server Room is equipped with IBM X series Server for high performance computing, Intel Xeon servers with multiple processors, High end Dell Xeon server with multiple processors, various engineering and technical software, network management tools, Client Server Database system connected over a switched fast Ethernet with Optical fiber backbone.

For printing need, we have total 39 printers with 11 heavy duty Network printer and 28 line matrix printers.

Server configuration

SERVER DETAILS

Server	Configuration	Quantity
IBM X Series 735	Intel® XEON 2.4 GHz 4 GB RAM 73 GB SCSI HDD with RAID Support.	3
IBM X Series 735	Intel® XEON 3.0 GHz 4 GB RAM 140 GB SCSI HDD with RAID Support.	2
IBM Xeon X 5400	Intel® XEON 2.0 GHz 4 GB RAM 956.32 GB SCSI HDD with RAID Support.	7
IBM X Series 200	Intel® P3 1.2 GHz 2 GB RAM 20 GB SCSI HDD with RAID Support.	2

S.No	Server	Configuration	Quantity
5	IBM X Series 232	Intel® P3 1.2 GHz 1.2 GB RAM 204 GB SCIC HDD	2
6	IBM X Series 206	Intel® P4 3.0 GHz 1.2 GB RAM 68 GB SCIC HDD	1
7	SUN Fire 280R	2 GB RAM ,502 GB HDD SUN OS 5.8	1
8	CR 1000i	10 10/100/1000 Gigabit ports with 3.5 Gbps firewall throughput and 600 Mbps anti-virus throughput	2
9	IBM X Series 3500	Intel® XEON 2.26 GHz 6 GB DDR III RAM 1200 GB SCIC HDD with RAID 5 Support , 17 inch TFT monitor	3

Total Number of Servers

23

DESKTOP DETAILS

S.No	Brand	CONFIGURATION	QTY
1	Sun Think Client	Sun Client	35
2	IBM	P IV with 3 GHz, 80 GB HDD & 512 MB RAM	150
3	IBM	Core 2 due 2.4 Ghz, 160 GB HDD & 1 GB RAM 17 inch Monitor	64
4	IBM	P4 1.7 Ghz,40 GB HDD,256 MB RAM & 15 inch Monitor	25
5	IBM	P4 1.8 Ghz,40 GB HDD,256 MB RAM & 15 inch Monitor	37
6	IBM	Celeron 2.0 Ghz,256 MB RAM,40 GB HDD & 15 inch Monitor	60
7	IBM	P4 2.8 Ghz,40 GB HDD,256 MB RAM & 15 inch Monitor	35
8	IBM	P4 3.06 Ghz,80 GB HDD,256 MB RAM & 15 inch Monitor	27
9	IBM	Celeron 2.4 Ghz,40 GB HDD,256 MB RAM & 15 inch Monitor	86

S.No	Brand	CONFIGURATION	QTY
10	IBM	Dule core 1.8 Ghz,80 GB HDD ,1 GB RAM & 17 inch Monitor	45
11	IBM	Dule core 1.8 Ghz,80 GB HDD ,512 MB RAM & 17 inch Monitor	15
12	IBM	INTEL CORE 2 DUO,160 GB HDD,4 GB RAM & 17 inch Monitor	2
13	IBM	INTEL CORE 2 DUO,160 GB HDD,2 GB RAM & 17 inch Monitor	50
14	IBM	INTEL CORE 2 DUO,160 GB HDD,2 GB RAM & 17 inch Monitor	135
15	IBM	core i3-530 (2.92 Ghz) with 2 GB RAM ,250 GB Sata HDD,18.5 inch TFT Monitor	90

Total Number of computers

856

- **Engineering and Technical Computing Software.**

Software available for use:

SOFTWARE DETAILS

S.No	Product Title	No of Licenses
1	Hyperchem Release 7	10
2	Matlab	30
	Simulink	30
	CDMA Reference Blockset	5
	Communications Blockset	5
	Communications Toolbox	5
	Signal Processing Toolbox	5
	Wavelet Toolbox	5
3	Library Automation – Alice	Unlimited
4	MS Office Professional Plus 2007	100
5	Windows Server Enterprises 2003	3
6	Adobe Premier Pro Ver 7.0	20
7	Cold Fusion MVLP Ver 6.1	10

S.No	Product Title	No of Licenses
8	Flash MX 2004 MVLP	20
9	Micro Media Director Shockwave Studio for windows English AE	10
10	Symantec Anti virus	Unlimited
11	SQL Server 2000 Standard Edtn	1
12	Windows Server C AL 2003 English OLP NL AE Device Cal	4
13	VStudio .Net Pro 2003 Win32 English OLP NL AE	15
14	Office XP Pro Win 32 English	20
15	V Studio .Net Pro 2002 Win32 English	9
16	ISA Server 2000 English	1
17	Windows Advanced Svr 2000 English.	1
	Windows CAL 2000 English OLP NL AE	23
18	DB2 UBD Enterprise Server Edition .	1
19	IBM Tivoli Storage Managed Processor	1
20	Cyberoam software for internet	1
21	Schrodinger For Biotech	1 user 25 Token
22	Lotus Domain	100
23	AutoCad 2005 Education	5
24	Autodesk 3ds Max 6 (Edu)	20
25	Rational suit Enterprise Software	20
26	Mathematica Ver 5.0	10
27	Autocad 2004 Network User	10
28	Maple 9.5	1
29	Sun Solrix Ver 8	35
30	Window XP Professional	20
31	Oracle 9i	10
32	Visual Prolog ver 6.1	15
33	Soft image xsi Ver 4.0	20
34	Straad Pro	5
35	SPSS Base 16.0	15
36	Oracle 11g	1
37	Clarity Digital Multimedia Language Lab	31
	Clarity English Teaching Software from U.K	

S.No	Product Title	No of Licenses
1	Sky Pronunciation Suite	
2	Connected Speech	
3	Tense Buster Compilation	

- **Database Services**

The Server Room has a Client/Server Database Computing System – Oracle 11g with Developer 2000 version 6.0 at front end, the platform is windows NT/2000/2003.

- **Network Services**

The University Local Area Network (LAN) is a state of the art switched network with Fiber Optical and enhanced CAT5e/CAT6 UTP Backbone. It consists of more than 3000 network access points spread using 73-3 com switches, 2 Cisco Routers and 15 VLANs.

The network access is provided to every room in student's hostel, faculty & staff residence, doctors at JUIT hospital, mess, laboratories and rooms in guest houses.

Internet connection has been provided through a router. We have 12 Mbps (1:1) leased circuit from BSNL and Railtel on OFC. Apart from internet and intranet many more services including mail, web, and library book search, domain name, antivirus and software upgrades are being provided over this network.

JUIT is using Cyberoam Suite to manage internet bandwidth and mailing services. Cyberoam is consists of software firewall, anti spam controller, content filtering and antivirus protection at gateway level. Lotus Domino is being used by JUIT for official mailing services.

MISCELLANEOUS ACADEMIC ACTIVITIES

• PATENTS FILED BY THE UNIVERSITY

- i) Tandon C, Chaudhary A, Gupta S and Jain S, Henna Based Dye, Process for Preparing the same and Use Thereof in SDS-PAGE Method (Patent Application No. 1216/DEL/2007A).
- ii) Sood H. and RS Chauhan, A process of enriching the amount of medicinal compound, Picroside-1 in shoots of medicinal herb, Picorhiza Jurroa (Patent application No. 163/DEL/2009).
- iii) Gargi Dey and Bharti Negi, Novel method for producing sea buckthorn wine and wine thereof (Patent application No. 499/DEL/2010).
- iv) Dr. Rohit Sharma, An Embedded System for Analysis of Microstrip-like Interconnects, Application No. 2443/DEL/2009.

• Department of Biotechnology & Bioinformatics

Ongoing R&D Projects sponsored by external funding agencies (Submitted/approved)

Project	Pi/Co-Pi	Funding Agency	Status	Amount (Rs) Lakhs
Bioprospecting of buckwheat (<i>Fagopyrum tataricum</i>) for novel genes & metabolites of medicinal and nutritional importance	Prof. R. S. Chauhan	DBT, GOI	Continuing	41.00
Identification of genetically superior strains of medicinal plants (<i>P. kurroa</i> and <i>Valeriana jatamanshi</i>) from North-Western Himalayas of India		Ministry of Health GOI	Continuing	16.50
Identification of low curcumin genotypes of <i>Jatropha</i> and their utilization in developing candidate gene markers		DRDO, GOI	Continuing	20.00
Development of candidate gene markers for <i>Jatropha</i> by utilizing genome resources of castor bean		DBT, GOI	Continuing	49.50
Physico-chemical studies of drug-surfactant interactions in aqueous alcoholic solutions	Dr. Poonam Sharma	Department of Science and Technology, Govt. of India, Under Fast Track Young Scientist Scheme	Continuing	06.39

Antioxidants and Lantadene A hybrid compounds as anticancer agents	Dr. Manu Sharma	Department of Biotechnology	Continuing	07.00
Design, synthesis and evaluation of Lantadene - antioxidant conjugates as anticancer agents	Dr. Manu Sharma	Department of Science and Technology	Continuing	18.00
Genetic characterization, chemical profiling and optimization of parameters for artemisinin yield in <i>Artemisia annua</i> from the Ladakh region.	Dr. Harvinder Singh	DRDO	Continuing	09.50
Computational Identification, Evaluation and <i>In Vivo</i> Validation of Vaccine Candidates from Bioweapon Toxins, and Selected Potential Bacterial Bioweapons (PBBWs)	Dr. C. Rout	DRDE, Gwalior, DRDO, Ministry of Defence, Govt. of India	Continuing	09.35
Biomolecules from <i>Tamarindus indica</i> and <i>Terminalia arjuna</i> influencing mineralization/demineralization processes and their role in the management of renal calculosis"	Dr. C. Tandon	DST	Completed	18.00
Development of a standardized herbal product for urolithiasis from <i>Tribulus terrestris</i> and <i>Achyranthes aspera</i>	Dr. C. Tandon	DBT	Continuing	27.00
Exploring the role of matrix protein(s) from calcium oxalate stones in nephrolithiasis and assessment of their molecular interactions with calcium oxalate monohydrate (COM) crystals <i>in silico</i> .	Dr. C. Tandon	ICMR	Continuing	09.00
Biogas and Power generation by using leftover food and vegetable/fruit refuse of JUIT mess.	Dr. Sudhir Syal	Jaypee-In-House Research Fund	Approved	01.00
Project on "Production of Nutrabeverages from Mahua Flowers".	Dr. Gargi Dey	Tribal Co-operative Marketing Federation of India (TRIFED)	Approved	07.00

Development of Toxoids with Broad Specificities against Toxic shock syndrome toxin, <i>Clostridium perfringens epsilon</i> toxin B & D, and <i>Staphylococcal enterotoxin b</i>	Dr. C. Rout	LSRB, DRDO, Ministry of Defence, Govt. of India	Submitted	27.00
Polyunsaturated fatty acid and Lantadene A conjugates as selective tumor targeting agents	Dr. Manu Sharma	Indian Council of Medical Research	Submitted	25.00

Waste management and availability of fresh food at Siachin base camp submitted to ARTRAC, Shimla.	Dr. Sudhir Syal	ARTRAC, Shimla.	Submitted	25.00
“Development of potential Non-dairy probiotic beverages”.	Dr. Gargi Dey	DBT	Submitted	25.00
Biotech Interventions Towards <i>in vitro</i> Production of Picrosides & Understanding Molecular Biology of Thier Biosynthesis and Accumulation in an EndangerMedicinal Herb, <i>Picrorhiza kurroa</i>	Dr. Hemant Sood	DBT	Submitted	50.00
Optimization of Bioreactor Conditions for Large Scale Production of a Medicinal Compound, Picroside-I in an Endangered Herb (<i>Picrorhiza kurroa</i>)		DST	Submitted	13.65
Nucleotide Diversity in Granule Bound Starch Synthase-I (GBSS-I) Metabolic Pathway Genes and its Association with Starch Quality in Elite India Rice Genotypes	Dr. Harvinder	DST	Submitted	12.50
Genetic Analysis to Avoid Inbreeding of the Endangered Western Tragopan in the Aviaries		DST	Submitted	22.50

Department of Physics

Ongoing R&D Projects in the Department of Physics sponsored by external funding agencies (Submitted/approved)

PI	Project Title	Cost	Funding Agency
Dr. Sunil Kumar Khah	Design of Ultralow Sidelobe Level Microstrip Antenna Array in X-Band	19.00 Lac	Directorate of ER&IPR, DRDO
Dr. Sunil Kumar Khah	Shared Aperture Microstrip Antenna Array for L and S Band (Sanctioned)	09.20 Lac	Space Application Centre (SAC) (ISRO)
Dr. Sunil Kumar Khah	Compact & Wideband Microstrip Antenna Array for Mobile Communication	21.00 Lac (submitted)	DST

Ph.D. Degree Awarded/completed

i) Award of Ph.D. Degree

Following Individual were awarded Ph.D. Degree from various departments and supervisors

S.No.	Name	Deptt.	Supervisors
1.	Vinay Kumar	ECE	Prof. S.V. Bhooshan
2.	Tanzeer Kaur	BT	Dr. C.D. Tandon
3.	Rakesh Kumar Bijarnia	BT	Dr. C.D. Tandon
4.	Rakesh kumar	Maths	Prof. H. Singh
5.	Pankaj Sharm	Physics	Prof. S.C. Katyal
6.	Ishu	Physics	Dr. P.B. Barman

ii) Ph.D. thesis Defended

Following students have defended their Ph.D. thesis for the award of Ph.D. degree:

- Ms. Madhurika Mahajan, Deptt. of Physics
- Ms. Ambika, Deptt of Physics
- Ms. Sangeeta Thakur, Deptt of Physics
- Mr. Rohit Sharma, Deptt of Electronics & Communication Engineering
- Mr. Pradeep Kumar, Deptt of Electronics & Communication Engineering
- Mr. Afroz Alam, Deptt of BT&BI
- Ms. Hemant Sood, Deptt of BT&BI
- Ms. Priyadarshini, Deptt of BT&BI
- Ms. Anupriya Kaur, Deptt of Professional Development

iii) Ph.D. Thesis submitted

- Sh. Satish Chandra, Deptt of Computer Science & Engineering.
- Ms. Mani Srivastava, Deptt of BT&BI
- Ms. Anu Chaudhary, Deptt of BT&BI

International Linkages of the University:

1. MOU with the University of Abertay Dundee (U.K)

The MOU aims at:

- Academic Partnership in areas of smart systems, Internet Computing & IT.
- Developing and operating fees sharing model for combine studies & collaborating projects at PG level.
- Identifying articulation roots for JUIT students to pursue research at UAD.
- Allow JUIT faculty development in teaching and research at UAD.

2 MOA with Cheng Shiu University, Taiwan

The MOU aims at:

- Student exchange program at UG & PG level.
- Faculty exchange program.
- Joint research and activities such as research projects collaborative workshops promoting education quality and Academic achievements.

3 MOA with Lunghwa University of Science and Technology, Taiwan

The MOU aims at:

- Student exchange program at UG & PG level.
- Faculty exchange program.
- Joint research and activities such as research projects collaborative workshops promoting education quality and Academic achievements.

4 Educational Services Agreement with the University of Florida, Gainesville, Florida, United States of America

The primary objective of this agreement is to offer engineering professionals located in India, the opportunity to earn a Master of Science Degree through electronic delivery of Graduate Engineering program at JUIT in specified areas.

5 MOU with the University of Westminster, London, England

The primary objective is to:

- Explore collaborative development in selected areas based on common interest.
- Development of Joint delivery post graduate programme.
- Creation of jointly supported staff development programme.
- Consultancy work to assist the development of new postgraduate courses.

6 **MOU with Oxford Brooks University, U.K.,**

The primary objective is to:

Explore the potential for mutual enhancement of relationship and to explore and progress collaborative activity the area of a jointly delivered course of study leading to OBU's awards of MSc's in biotechnology in business and telecommunication electronics.

7 **MOU with Chaoyang University of Technology, Taiwan .**

The primary objective is to:

To encourage direct contact and cooperation between the faculty, administrative staff/ departments and research institutions including visits by students for study and research, interchange of staff for research, teaching and discussion. Exchange of information and staff development activities.

8 **MOU with the Finnish University of Applied Sciences, Finland.**

Memorandum of Association aiming at exchange programmes for faculty and students for developing the ties to enhance the cooperation in University education.

Joint research projects.

Exchange of information and publication.

9 **MOU with Youth development fund Bhutan.**

The MOU aims at:

Long terms association between the people of Bhutan and Jaypee Group, India.

It assures 20 scholarships every year to cover cost of tuition fee, lodging at Institutes of Higher Learning of Jaypee Group.

10 **MOU with Mapua Institute of Technology, Manila, Philippines.**

Implementing a student exchange programme. This programme is on a one-to-one basis. The students bear their own travel and living expenses. The exchange students take cultural-related courses, above the science and technology courses, to make the programme more meaningful.

Sharing faculty resources for mutual benefit.

Creating a group of Asian, European and US Schools, that will formulate and adhere to represent certain standards in IT education.

11 **MOU with Institute of Microbiology, Johann Wolfgang Goethe, University of Frankfurt, Germany.**

The memorandum focuses on:-

Providing specialist advise on an Individual / Institutional basis.

Advising and assisting in development of course curricula.

12 **MOU with University of Florida, International Center, Gainesville, Florida, USA.**

Primary objective is to:

• Development of cooperative efforts and academic interchange between two institutions.

• Specific projects in area of Educational interest selected through coordination.

13 MOU with University of California, Berkeley Extension

- Cooperation in mutual fields of academic interest for purpose of developing specific education and training opportunities and programmes.
- UCBE provides academic & organization development assistance as well as education & training activities in number of fields and subjects including:-
 - ❖ Design of curricula.
 - ❖ Development of appropriate faculty profiles.
 - ❖ Internship opportunities with United States companies.
 - ❖ Establishment of periodic quality assurance practices and procedures.
 - ❖ Distance learning opportunities.

14 MOU with College of Information Science & Technology, The Peter Kiewit Institute of Information science, Engineering & Technology, university of Nebraska , Omaha.

Aims at:

- Exchange of Information & Experience
- Faculty and Student Exchange
- Cooperative research projects
- Coordinated Graduate Degree programs

ACADEMIC ADMINISTRATION

- Admission Process

- UG Program:

The admission in the academic session 2009-10 were carried out through a counselling process conducted by the University, based on all India merit in AIEE ranking.

Further admission to the Dual Degree Program in Pharmacy were carried out based on merit in 10+2 Examination.

- PG Programme

The admission for M.Tech programs was based on GATE score / Entrance Test conducted by the University for eligible candidates.

- PhD:

The selection is done through an interview of short listed scholars, based on their qualifications and credentials.

- Students Enrollment

The University over the period of 8 years has gained strength and confidence of the masses. The number and quality of intake has shown a remarkable improvement. The current state of student strength is given below.

<u>Year of Study</u>	<u>UG Prog.</u>	<u>PG (M. Tech) Prog</u>
a. 4 th Year	459	
b. 3 rd Year	405	
c. 2 nd Year	418	29
d. 1 st Year	483	87
e. Ph.D Scholars registered (Total)		92

- Faculty

The Unique feature of the University, despite being at nascent stages of development is the high quality of faculty on its rolls. The brief on the Faculty giving their terminal qualification is as Appendix-B

- **Visiting / Adjunct Faculty**

The University further has some eminent academicians as also eminent industry persons on its rolls as visiting faculty for conduct of specialized classes. Currently there are 4 adjunct and 32 visiting faculty members associated with the University.

Results:

The performance of Students in the University is graded in terms of Semester Grade Point Average (SGPA) and Cumulative Grade Average (CGPA) over a scale of 10. A typical analysis of results of a semester is given at Appendix-C.

- **Scholarships**

- **Prof. William C Webster Merit & Means Scholarship:** Eligible students get a tuition fee waiver for the year upto a maximum of Rs.25000/-. The scheme was started in the year 2004-05.
- **The Jaypee India Scholars Fund:** has been launched to provide financial assistance to meritorious students with poor financial and economic conditions for pursuing higher technical education (4-year UG program) in the Jaypee Education System. Under the scheme financially and economically poor students would be provided financial assistance of Rs.1.05 lacs each every year for pursuing the 4-year UG Program starting from the admission year 2008 in the Jaypee Education System. The scholarship will be available for all the 4 years of their study, provided they maintain a minimum performance every year in their respective program of study. The unique aspect of this scholarship scheme is that such students will also enter into an undertaking to repay back the total scholarship amount over a period of 2-3 years after post graduating from the Institute.
- **Admission to Meritorious Students:** The Management has approved that students who take admission in the first year of the 4-year UG program in academic session 2008-09, with an All India Rank of less than 1000 in the AIEEE-2008 conducted by CBSE, shall be provided free education for the entire duration of under graduate program.

JAYPEE YOUTH CLUB (JYC)

Jaypee Youth Club (JYC) is the student body which is responsible for various events including the Annual Fest "Le-Fiestus", Technical Fest "Murious" Sports Fest, Sports Meet excursion trips and other activities organised by various clubs which comprise the JYC throughout the year.

The events organized by JYC during session 2009-2010:

i) Diksha, 09, The 1st Cultural Night, 2009 (5th September, 2009)

Jaypee University Of Information Technology Waknaghat, though, different, unique and with an edge above the other universities colleges and institutions, in almost all aspects of competition, is not so different when it comes to celebrating and having fun.

The first cultural night of the new session, aptly termed as Diksha 2009 because of it being celebrated on the 5th of September 2009, the Teacher's Day, was a day of revelry and excitement for all wings of JUIT along with being a day of sumptuous presentation of talent, culture and happiness by all alike.

There were various events like Solo & Group dance and the much awaited Mr and Miss Personality contest. The evening ended with an awesome DJ night.

ii) Robotics Workshop

The TRI workshop on manual robotics held on 30-31st October, 2009 in JUIT was a great success. The students displayed great interest and participated in huge number. A total of 188 students participated in the workshop benefited from it.

Due to efforts of Tech club of the college the students are showing keen interest in technical activities like robotics and participating in big numbers.

iii) Lohri celebrations in JUIT (13th January, 2010)

The 13th of January descended like a boon for JUIT as apart from bringing with it the festivities of Lohri, it brought the rather unprecedented and of course, the first snowfall of the season. JUIT celebrated as the students were welcomed with a blazing bonfire in the basketball court area along with the usual Lohri eatables and the tunes of the traditional 'Dhol'. People marveled as the efforts the JYC had put in to make students enjoy came to the surface. All danced and rejoiced.

iv) Sanrachna, 2010 (29th January, 2010)

The college tech fest "Murious 4.0" was inaugurated alongwith the civil engineering consortium celebrating the launch of their first ever technical magazine with a very exuberant cultural night.

The magazine -"Sanrachna", was launched which was lauded by all. It was also a matter of great pride and joy for all of us to witness the launch of the book "Pinkscapes" authored by a fellow JUITian, Jay Purandare (President, Civil Engineering Consortium).

v) **JUIT MUN (Model United Nations) (February, 2010)**

Youth are the future of this country and this world. An enlightened and well-informed generation can bring about the changes that are required to make this world a better place. Keeping this in mind, a two-day Model United Nations session was organized which educated the students about world affairs and widened their horizon of knowledge.

vi) **Le-Fiestus, 2010 (21-23rd March, 2010)**

Le Fiestus'10, the three-day annual cultural fest, was a psychedelic gala time filled with a lot of fun, frolic, and enjoyment to the fullest. It churned out great events, making you listen to the truly stirring symphony of the spring that said "It's up to you".

Le Fiestus'10 had S Tel as the title sponsor in association with Visa Power, Pepsi, McDonald's and Godrej. The fest was co-sponsored by Emerge and Wrangler.

a) **Events Day 1:**

Love Actually, Amazing Race, Rangoli, Sandwich making, Tech Tadka, Dodge Ball, Wheel of Fortune, Perfect Mismatch, Theme Photography, Creative Writing, Dice Game, Las Vegas, Perfect Mismatch, Kite Flying, Street Calico (Near Café), Price is Right, Be the Beckams, Robo Olympics, Game Quiz, Dare to Date, Point Counter Point, Tug of war, JUIT Idol, Tell a Tale, Escapade In'quizitive, Clay Modelling, Musical Chair, Get Gorgeous, Desi Adda, Water Games, JAM, Roomy Compatibility, Ad Mad, Junkyard Wars. Performance by the band GROOVE ADDA

b) **Events Day 2:**

QuizMoz,ovie Quiz, Chakkow, Hack Dhun, Codez, Sack Race, Matrix Reloaded, Battle Ground, Open Forum, Rehash ur Trash, Nail Art, Route -O- Hop, EcoDoku, Amazing Race, English Debate, Robo Olympics, Las Vegas, Bottoms Up, Miss Mess the Mister, Golf, Brain Drain, Virtual Robotics, Innova, Kidnap, Ich Liebe, Get Gorgeous, Tambola, Soap Modeling, Water Games, Jam Finals (Tuck), Aisles 'n' Curtains, Street Dancing, Two blind Mice, Egg Astronaut, Performance by the band BANDISH and DJ WARS.

c) **Events Day 3:**

Hack, Lord of the Clubs, Fuse Ball, Jungle Razz, ToonDoo, Mock CAT, Twin Jinx, Las Vegas, Thermo Balls, Bucket game, Equilibrium, Gym Events, Couch your Imagery, Pentathlon, Theme Photography, Symbology, Tower of Greed, Robo Olympics, Documentary Making, Theme Collage, Game Quiz, Guns 'n' Roses, Ich Liebe, JUIT LoopHoles, Designer Quest, Ikebana, Water Games, Roadies, Bluff Master, Quiz (Total Recall) Flash, Tug of War, Monopoly. These events were followed by the presentation ceremony in which the President, Secretary, Treasurer and all the club coordinators and deputies received laurels for their remarkable work during the fest followed up with the event Mr. & Miss Personality. Finally the fest ended with a lively performance by renowned singer, Mohit Chauhan.

vii) JUIT MUN- II (Model United Nations) (February, 2010)

After the very successful first MUN, JUITians showed their commitment towards making a positive change by thought and positive global ideas in the second Model United Nations. It raised the benchmark even higher and proved again how good and informed JUITians actually are.

viii) JUIT Scribbling Day (5th May, 2010)

Jaypee University of Information Technology celebrated the passing out of one more batch with great zeal and enthusiasm. To record all the happy moments of 4 years of togetherness, JUIT celebrated scribbling day on 5th May, 2010 when all the 4th year buddies scribbled each other's college shirts with a lot of happy-sad yet sweet memories. All the 4th year students were given a title each by the Literary club (JYC).

ix) Winners – External Events

a) BOSM, BITS Pilani. (16th-20th September, 2009)

i) TABLE TENNIS GIRLS TEAM

Deepika Aggarwal	Silver Medal
Kusum Lata	Silver Medal
Aditi Sharma	Silver Medal
Sunali Magotra	Silver Medal

ii) SHOTPUT EVENTS

Jaideep Brar	Silver Medal
Shalini Sharma	Silver Medal
Anchal Pundir	Bronze Medal

iii) DISCUSS THROW

Jaideep Brar	Silver Medal
Muskaan Jain	Bronze Medal

iv) JAVELION THROW

Muskaan Jain	Bronze Medal
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v) TRACK EVENT

Chandan Raj	Bronze medal(1500m)
	5th rank, consolation Prize (Marathon)

x) SERENDIPITY-2009, St. Bede's College Shimla (4-5th October, 2009)

EVENT	PARTICIPANTS	ACHIEVMENT
Wordsmith	Pranav Hoondo	1 st Prize
T-shirt designing		
And Ambigram	Aman Singh	Participation
On Air	Pranav Hoondo.	2 nd Prize
	Zen Taha.	
Folk Dance	Bhupinder	2 nd Prize
Street Play	Puru and group	2 nd Prize

xi) THOMSO, IIT Roorkee (28th - 31st October, 2009)

EVENT: Group Dance **ACHIEVMENT** 1st prize

Team Members:

1.	Karan thaman	10.	Shreya
2.	Anitya	11.	Ankur
3.	Nikunj	12.	Shivangi
4.	Anurag	13.	Chitesh
5.	Akrati	14.	Smriti
6.	Rajat	15.	Shradha
7.	Piyush	16.	Abhay
8.	Jiwan	17.	Bhupender Sandhu
9.	Khushpreet		

xii) Techfest, IIT Mumbai

Event: Elixir 3.0 **Position:** 4th

Team member:

1.	Mohit sain
2.	Nitin agarwal
3.	Shruti sharma
4.	Supriya rai
5.	Utkarsh

xiii) Techniti, NIT Jalandhar

EVENT	PARTICIPANTS	ACHIEVMENT
Robo roadies	Anubhav, Puneet	1 st
	A.I. Design Mayank Chandak	Amit Singh, 1 st
Overnight Programming	Amit singh, Mayank chandak, Muktesh	1 st

LE FIESTUS 2010

During 21-23 March, 2010



Stage Performance by Mohit Chauhan

STUDENT'S ACTIVITES



1st Alumni Meet of The University

(During 19th March, 2010)



**Panel Discussion on Foreign University
in India and their Impact in Indian Education System**



Alumni with Vice Chancellor

Alumni with Faculty



**Closing Remarks on
Panel Discussion
By Dr. Y. Medury, Vice Chancellor**

GOVERNANCE

• **Governing Council**

- As per the Regulations of the University the responsibility for the general superintendence, direction and control of the affairs of the University is vested with the Governing Council. The composition is given at Appendix-E.
- The Council carried out its task and functions through statutory committees, which have been specified in the statute of the University. The composition of standing committees is at Appendix-D

• **Academic Council**

- The Academic Council is the premier and august body of scholars, which decides and monitors the implementations of Academic Policies of the University. The powers and functions of the Council are defined in the Regulations of the University. Amongst other major functions, the Academic Council controls and approves the courses in various curricula, defines the thrust areas, objectives and constantly reviews the activities of the departments to ensure improvements in standards.
- The composition of the Academic Council is listed at Appendix-E

• **Supervisory Board**

- JUIT has a supervisory Board, under the Chairmanship of Shri Manoj Gaur ji, for planning, development and overseeing the academic affairs in order to achieve the ultimate goal of making JUIT a 'Center of Excellence'. JUIT fortunate to have the following eminent educationists as Members of the Supervisor Board:
- **Prof. S.K. Khanna**
Former Chairman AICTE, and
Former Vice Chairman UGC
- **Prof. M.N. Faruqui**
Former Vice Chancellor, Aligarh Muslim University.

FINANCIAL STATUS

- The Audited Balance Sheet is attached as Appendix-G.

TRAINING & PLACEMENT

- Training and Placement is an important activity of the University. T&P cell is mainly responsible for arranging practical training of the Undergraduate students to meet their degree requirement and to facilitate the placements of undergraduate & postgraduates' students in suitable jobs in the Industry and various private & public sector organizations.
- To facilitate placement T&P cell invites senior executives of major industries/organizations to give talk to the students at Campus which helps them acquire better knowledge about the organization prior to campus interviews.
- The Placement summary for is attached at Appendix-G

DETAILS OF LAND

S.No.	Particulars	Area in Sq. Mtr.	Area in Sq. Ft.
	Admin. & Academic Block		
	Academic Block Phase I	2706.54	29132.95
	Academic Block Phase II	4221.61	45441.03
	Academic Block Phase II	3276.51	35265.26
	Academic Block Phase IV	2829.51	30456.59
		13034.17	140295.83
	Hostel (Boys)		
	Student Lounge	132.63	1427.61
	Shastri Bhawan		
	H-1	1233.06	13272.54
	H-2	1171.09	12605.50
	H-3	632.16	6804.51
	H-4	1393.79	15002.63
	H-5	2181.56	23482.11
	H-6	1202.50	12943.60
	H-7	1091.65	11750.42
	H-8	930.10	10011.51
	H-9	944.78	10169.52
	H-10	956.55	10296.21
	H-11	1377.08	14822.76
		13246.95	142588.92
	Azad Bhawan		
	H-14A	961.17	10345.94
	H-14B	1361.33	14653.23
	H-14C	2291.97	24670.55
	H-14D	1913.34	20595.02
		6527.81	70264.74
	Parmar Bhawan		
	H-15A	1900.79	20459.93
	H-15B	1474.13	15867.40
	H-15C	1800.13	19376.43
	H-15D	1573.72	16939.38
		6748.77	72643.14
	Hostel (Girls)		
	H-12A	1377.08	14822.76
	H-12B	1771.62	19069.55
	H-12C	1942.42	20908.03
	H-12D	1664.59	17917.49
		6755.71	72717.83

4	Faculty Residences		
	Malviya Bhawan		
	Faculty Block A Type	1896.38	20412.46
	Faculty Block B Type	5488.98	59082.88
	Faculty Block C Type	3248.84	34970.22
	Faculty Block D Type	2164.00	23293.10
	Faculty Block E Type	1148.53	12362.67
		13946.73	150121.33
5	Facilities		
	Annapurna	1041.81	11213.94
	Auditorium, C. Link & C. Porch	1755.76	18898.84
	Mandir	281.66	3031.76
	Dispensary	253.52	2728.86
	Basket Ball Field & Volley Ball Field	1200.00	12916.69
	Badminton Court Area	170.00	1829.86
		4702.75	50619.95
6	Miscellaneous		
	Guest House	1592.73	17144.00
	Telephone Exchange	897.54	9661.04
	ESS	2226.99	23971.12
	Plant Room/Green Room	593.80	6391.61
	Workers' Dormitory-1	1570.39	16903.53
	Workers' Dormitory-2	850.00	9149.32
	Uploading Bay	189.14	2035.88
		7920.59	85256.50
7	Provisional Area		
	H-12A&B	133.75	1439.67
	H12C&D	133.75	1439.67
		267.50	2879.34
	Total Area	73150.98	787390.59

NOTE

- Residential for Students 1766 (1194 Boys & 572 Girls)
- Residential for Faculty HODs (8), Professors (26), Associate Professors (8)
Assistant Professors (6) Lecturers (36)

Special Features

- Fully networked campus, including student hostels and faculty residences with 4 Mb leased line and 24 hour internet connectivity
- Learning Resource Centre – stacked with latest technical journals and reference books, and open from 8 am till 12 pm at night

Other Infrastructural Facilities

Facilities provided to students include the following:

- Student Hostels – Boys and Girls (Single and Double Seat Facility)
- Student Messing – Annapurna
- Sports Facility – Outdoor (Cricket, Volleyball, Basketball, and Badminton) and Indoor (Table-Tennis, Carrom, etc.)
- Student Lounge
- Student Canteen
- Dispensary with Resident Medical Officers
- Punjab National Bank
- PCO's for STD/ISD facility
- Student Convenience Shop
- Laundry (Washers & Dryers)
- 24-hour power back-up facility

DETAILS OF TEACHING STAFF

S.No.	Faculty Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Dr. Y. Medury	Acting Vice Chancellor	27 Years	M.S., Ph.D.	Jan-09

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

S.No.	Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Dr. T.S. Lamba	Dean (A&R)	41 Years	B.Tech., Ph.D.	5/7/2006
2	Prof. Sunil Vidya Bhooshan	Prof. & HOD,	26 Years	M.S., Ph.D.	6/8/2002
3	Prof. D.C. Kulshreshtha	Professor,	41 Years	M.Tech	17/7/2003
4	Dr. Ghanshyam Singh	Associate Professor	7 Years	Ph.D.	24/3/2006
5	Dr. Davinder Singh Saini	Asstt. Professor	10 Years	M.Tech., Ph.D.	20/6/2002
6	Sh. Rajiv Kumar	Asstt. Professor	13 Years	B.Tech., M.Tech	10/1/2005
7	Dr. Vinay Kumar	Asstt. Professor	8 Years	M.Tech., Ph.D.	14/7/2005
8	Sh. Rohit Sharma	Asstt. Professor	9 Years	M.Tech., Ph.D. (sub.)	28/7/2003
9	Sh. Vivek Sehgal	Sr. Lecturer	9 Years	M.Tech	1/8/2003
10	Mr. Sajaivir Singh	Sr. Lecturer	9 Years	B.E., M.E.	4/8/2008
11	Mr. Jitendra Mohan	Sr. Lecturer	6 Years	B.E., M.Tech.,	14/8/2007
12	Sh. S.V.R.K Rao	Sr. Lecturer	13 Years	B.E., M.Tech.	04/8/2008
13	Sh. Pradeep Kumar	Sr. Lecturer	5 Years	B.Tech., M.E.	28/6/2006
14	Sh. Alok Joshi	Sr. Lecturer	9 Years	B.E., M.Tech	6/7/2009
15	Sh. Bhasker Gupta	Sr. Lecturer	9 Years	B.E., M.Tech.	4/7/2009
16	Ms. Pragya Gupta	Sr. Lecturer	6 Years	M.E., Ph.D. (Pursuing)	27/7/2009
17	Ms. Neeru Sharma	Lecturer	5 Years	B.E., M.E.	14/8/2007
18	Ms. Shruti Jain	Lecturer	6 Years	B.Tech., M.Tech.	15/4/2008
19	Sh. Viranjay Mohan Srivastava	Lecturer	6 Years	B.Tech., M.Tech.	8/7/2008
20	Sh. Vipin	Lecturer	4 Years 10 Months	B.Tech., M.Tech.	16/7/2008
21	Ms. Vanita Rana	Lecturer	4 Years 1 month	B.Tech., M.E.	11/7/2008
22	Mohd. Wajid	Lecturer	1 Year	M.Tech.	11/8/2009
23	Sh. Tapan Kumar Jain	Lecturer	3 Years 2 months	M.Tech.	17/8/2009
24	Sh. Vikas Hastir	Associate Lecturer	4 Years 5 Months	B.Tech	20/3/2006
25	Sh.Munish Sud	Associate Lecturer	4 Years	B.Tech	24/8/2006

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

S.No.	Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Brig. (Retd.) S.P. Ghrera	Associate Professor	21 Years	B.Sc. (Engg) M.E.	12/9/2006
2	Prof. Pranay Chaudhuri	Professor	26 Years	M.E. Ph.D.	13/7/2009
3	Dr. Deepak Dahiya	Associate Professor	18 Years	M.E. Ph.D.	31/8/2009
4	Dr. Nitin	Asstt. Professor	7.7 Years	M.E., Ph.D.	24/7/2003
5	Dr. Siddavatam Rajesh	Asstt. Professor	13 Years	M.E., Ph.D.	09/1/2009
6	Ms. Smriti Agrawal	Sr. Lecturer	6 years 7 Months	B.Tech. (Hons), Ph.D. submitted	7/7/2009
7	Sh. Satish Chandra	Sr. Lecturer	11 Years	B.E., M.Tech	9/10/2003
8	Sh. Ajay Kumar Singh	Sr. Lecturer	12 Years	B.E., M.Tech	7/10/2005
9	Sh. Ravindara Bhatt	Sr. Lecturer	7 Years	M.Tech.	3/7/2006
10	Ms. Shipra Sharma	Sr. Lecturer	4 Years	M.Tech.	10/7/2006
11	Ms. Chetna Gupta	Sr. Lecturer	6 Years	B.E., M. Tech	1/6/2006
12	Ms. Maneesha Srivastava	Sr. Lecturer	6 Years 3 months	M.Tech	1/6/2006
13	Sh. Pradeep Kumar Gupta	Sr. Lecturer	9 Years 5 months	B.E., M.E. Ph.D. (Persuing)	12/6/2008
14	Sh. Praveen Kumar Tripathi	Sr. Lecturer	1.8 Year	B.Tech., M.Tech	12/1/2009
15	Sh. Yashwant Singh	Lecturer	4 Years	B.E., M.E. Ph.D. (Persuing)	1/1/2008
16	Sh. Nitin Rakesh	Lecturer	4.5 Years	B.Tech., M.Tech.	8/7/2008
17	Sh. Pardeep	Lecturer	9 Years	B.Tech., M.Tech	15/07/2008
18	Sh. Sanjeev	Lecturer	3 Years 2 months	B.Tech, M.Tech	15/7/2008
19	Sh. Rahul Katarya	Lectuer	2 year 1 month	B.Tech., M.Tech.	21/7/2008
20	Sh. Suman Saha	Lectuer	1.4 Years	M.Tech	30/4/2009
21	Sh. Ravi Rastogi	Lecturer	7 Years	M.S. Ph.D. (Persuing)	19/3/2009
22	Sh. Amol Vasudeva	Lecturer	9 Years 8 months	MCA, M.Tech.	28/7/2005
23	Sh. Ravi Kant Verma	Lecturer	2 Years	B.E., M.Tech.	4/7/2009

24	Ms. Pooja Jain	Lecturer	1 Year	B.E., M.Tech.	17/8/2009
25	Sh. Kapil Dev	Lecturer	3.5 Years	M.Tech.	01/04/2010
26	Sh. Rahul Dwivedi	Lecturer	8 Months	B.E., M.S.	18/03/2010
27	Ms. Rajni Mohana	Lecturer	6 Years	M.Tech.	19/05/2010
28	Sh. Amit Kumar Singh	Associate Lecturer	4 Years	B.Tech.	22/1/2008
29	Ms. Meenakshi S Arya	Associate Lecturer	5.5 Years	B.Tech.	22/7/2009

DEPARTMENT OF BIOINFORMATICS/BIOTECHNOLOGY					
S.No.	Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Dr. R.S. Chauhan	Professor,	19 Yrs.	Ph.D.	2/8/2006
2	Dr. Chandandeep Tandon	Associate Professor	12 Yrs.	Ph.D.	2/6/2003
3	Dr. Chetan Datta Poduri	Asstt. Prof.	6 Yrs.	Ph.D.	8/7/2006
4	Dr. Pradeep Naik	Asstt. Professor	7 Yrs.	Ph.D.	3/7/2003
5	Dr. Sudhir Syal	Asstt. Professor	10 Yrs.	Ph.D.	9/5/2003
6	Dr. Simran Tandon	Asstt. Professor	9 Yrs.	Ph.D.	01/01/2008
7	Dr. Chittranjan Rout	Sr. Lecturer	8 Yrs.	Ph.D.	1/12/2004
8	Dr. Gargi Dey	Sr. Lecturer	6 Yrs.	Ph.D.	13/7/2005
9	Dr. Anil Kant	Sr. Lecturer	7 Yrs.	Ph.D.	03/7/2006
10	Dr. Manu Sharma	Sr. Lecturer	7.5 Yrs.	Ph.D.	04/2/2009
11	Dr. Ashwani Mathur	Sr. Lectuer	3 Yrs.	Ph.D.	16/7/2009
12	Dr. Gopal Singh Bisht	Sr. Lecturer	6 Months	Ph.D.	24/02/2010
13	Dr. Harvinder Singh	Lecturer	3 Yrs.	Ph.D.	16/8/2007
14	Ms. Runni Mukherjee	Lecturer	3 Yrs.	M.Tech.	31/10/2007
15	Dr. Sachin Shyamsundar Laddha	Lecturer	2.5 Yrs.	Ph.D.	11/10/2008
16	Dr. Hemant Sood	Lecturer	2 Yrs.	Ph.D.	27/08/2009
17	Dr. Poonam Sharma	Lecturer	2.5 Years	Ph.D.	09/11/2009
18	Dr. Palashpriya Das	Lecturer	1 Year	Ph.D.	01/02/2010
19	Dr. Rahul Shrivastava	Lecturer	1 Year	Ph.D.	18/01/2010
20	Dr. Priyadarshini	Associate lecturer	1 Year	M. Tech., Ph.D.	15/01/2010

DEPRTMENT OF CIVIL ENGINEERING

S.No.	Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Prof. R.M. Vasan	Dean & HOD	33 Years	Ph.D.	11/6/2004
2	Dr. Ashok Kumar Gupta	Associate Professor	24 Years	Ph.D.	27/12/2007
3	Dr. S.K. Jain	Asstt. Professor	11 Years	Ph.D.	15/4/2005
4	Dr. Rajesh Goyal	Asstt. Professor	11 Years	Ph.D.	31/5/2008
5	Dr. Richa Babbar	Asstt. Professor	7 Years	Ph.D.	30/10/2006
6	Dr. Ashish Kumar	Asstt. Professor	4.5 Years	Ph.D.	1/5/2006
7	Sh. Anil Kumar	Sr. Lecturer	6 Years	M.Tech.	29/6/2006
8	Ms. Poonam	Sr. Lecturer	5.5 Years	M.Tech	29/6/2006
9	Ms. Sunita Bansal	Lecturer	6 Years	M.Tech	15/7/2008

DEPARTMENT OF PHYSICS

S.No.	Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Prof. S.C. Katyal	Prof. & HOD	28 Yrs. 8 months	Ph.D	11/7/2003
2	Dr. Sunil Kr. Khah	Associate Professor	14 Years	M.Phil., Ph.D.	1/8/2002
3	Dr. P.B. Barman	Associate Professor	16 Yrs. 8 Months	Ph.D.	1/8/2005
4	Dr. Vineet Sharma	Lecturer	5 Yrs. 2 Months	Ph.D.	24/6/2005
5	Sh. Dheeraj Sharma	Associate Lecturer	5Yrs. 2 Months	M.Phil., Ph.D.(submitted)	1/7/2005
6	Dr. Pankaj Sharma	Lecturer	5 Years	Ph.D.	1/8/2007
7	Sh. Rajesh Kumar	Associate Lecturer	6 Years	M.Tech, Ph.D. (submitted)	09/09/2004

DEPARTMENT OF MATHEMATICS					
S.No.	Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Prof. Harinder Singh	Prof. & HOD	40 Years	M.Sc., Ph.D.	28/7/2003
2	Dr. Karanjeet Singh	Professor	15 Years	M.Sc., Ph.D.	1/7/2002
3	Dr. R.S. Raja Durai	Asstt. Professor	5 Years	M.Sc. Ph.D	4/7/2008
4	Dr. Rakesh Kumar	Sr. Lecturer	7 Years	M.SC., M.Tech., Ph.D.	1/5/2003
5	Dr. Nitin Gupta	Lecturer	1.2 Years	M.Sc., M.Phil., Ph.D	01/7/2009
6	Ms. Pato Kumari	Associate Lecturer	2.5 Years	M.Sc., M.Phil., Ph.D (submitted)	15/7/2008

DEPARTMENT OF PROFESSIONAL DEVELOPMENT					
S.No.	Name	Designation	Teaching Experience	Qualification	Date of Joining
1	Sh. Amit Srivastava	Sr. Lecturer	10 Years	MBA, M.Phil, PhD (Pursuing)	1/7/2003
2	Dr. Anupriya Kaur	Sr. Lecturer	10 Years	MBA, NET, PhD	2/7/2004
3	Ms. Rashmi Sud	Sr. Lecturer	7 Years	MBA, PhD (pursuing)	1/7/2004
4	Dr. Anil Sehrawat	Sr. Lecturer	7 Years	M.Ed., M.Phil, MBA, Ph.D.	1/2/2005
5	Mr. Puneet Bhushan Sood	Sr. Lecturer	10 Years	MBA, NET, Ph.D. (Pursuing)	26/7/2007
6	Ms. Triambica Gautam	Sr. Lecturer	12 Years	MBA, NET	4/8/2007
7	Ms. Tanu Shirma	Lecturer	5 Years	MBA, MJMC, PhD (pursuing)	18/1/2006
8	Ms. Neena Jindal	Associate Lecturer	10 Years	M.A., M.Phil.	23/10/2006
9	Ms. Shubhangini Rathore	Associate Lecturer	1 Year	MBA	01/5/2009

University Results of Past Three Years

The University was set up in the year 2002 and five batches have graduated, the results of the last three batches are being furnished below:

RESULT OF THE BATCH 2004-2008

<u>Branch</u>	<u>No. of Students</u>	<u>No. of students Passed</u>	<u>Pass Percentage</u>
ECE	107	107	100%
CSE	91	91	100%
IT	23	23	100%
BI	55	55	100%
CE	18	18	100%

RESULT OF THE BATCH 2005-2009

<u>Branch</u>	<u>No. of Students</u>	<u>No. of students Passed</u>	<u>Pass Percentage</u>
ECE	147	147	100%
CSE	122	121	99%
IT	30	30	100%
BI	27	27	100%
BT	29	29	100%
CE	26	26	100%

RESULT OF THE BATCH 2006-2010

<u>Branch</u>	<u>No. of Students</u>	<u>No. of students Passed</u>	<u>Pass Percentage</u>
ECE	147	140	95.24
CSE	128	124	97.00
IT	63	60	95.24
BI	24	24	100.00
BT	22	21	95.45
CE	25	24	96.00
Biotech			
Dual Degree	07	07	100.00

GOVERNING COUNCIL

a. Pro-Chancellor

Shri Manoj Gaur Chairman
Executive Chairman, Jaypee Group of Companies

Members of Trust (2) nominated by Pro-Chancellor

Sh. Jaiprakash Gaur Founder Pro-Chancellor & Founder Chairman JSS

Shri Sunil Sharma
Executive Vice Chairman, Jaypee Group of Companies

Representatives (2) of Collaborating Universities

Prof William Webster
Acting Vice Chancellor (Budget & Finance)
University of California Berkeley, USA

Distinguished Academicians/Professionals (3) nominated by Chancellor in consultation with the Pro-Chancellor

Prof S K Khanna
Former Chairman AICTE & Former Vice Chairman UGC

Prof. K.K. Aggarwal
Former Vice Chancellor, GGS Univ. Delhi & Presently Patron of Lingaya's University, Faridabad

Prof J P Gupta
Vice Chancellor, IIIT Noida

Industry Representatives (3) nominated by Pro-Chancellor

Dr P G Sastry
Chairman – Committee for the Environmental Clearance of Irrigation & Hydropower Projects, Govt of India, New Delhi

Experts (2) nominated by Pro-Chancellor

Shri SS Mittal
Advocate, Shimla

Ex-officio nominees (3) of the Government of Himachal Pradesh

Secretary (IT)
Govt. of HP

Secretary (Education)
Govt. of HP

Secretary (Technical Education)
Govt. of HP

Vice Chancellor of the University
Dr Yajulu Medury
COO, Jaiprakash Education System
Acting Vice Chancellor, JUIT

EXECUTIVE COUNCIL

Vice Chancellor

Dr. Y. Medury

Chairman

Members (2) of Governing Council nominated by Pro-Chancellor

Prof JP Gupta
Vice Chancellor, JIIT Noida

Academic of repute nominated by Pro-Chancellor

Prof S K Khanna
Former Chairman – AICTE

Prof. T.S. Lamba
Dean (A&R), JUIT, Wagnaghat

Brig. (Retd.) Balbir Singh
Registrar, Non-Member Secretary

NANCE COMMITTEE

the Vice Chancellor

r. Yajulu Medury

minee of the Pro-Chancellor

ri ON Singh

ig.(Retd.) Balbir Singh

Chairman

Finance Representative

Registrar, Dean Student affairs

BOARD OF STUDIES

- Electrical & Communication Engineering
- Computer Science & Information Technology
- Civil Engineering
- Mechanical Engineering
- Technology Dual Degree
- Chemical Engineering

BOARD OF STUDIES

ACADEMIC COUNCIL

<u>S.No.</u>	<u>Designation</u>	<u>Name (Current)</u>
1.	Vice Chancellor	Dr. Yajulu Medury
2.	Two Professors other than HODs	Prof. D.C. Kulshreshtha Prof. Pranay Choudhuri
3.	Two distinguished academicians	Prof. S.K. Khanna Prof. J.P. Gupta
4.	Industry Representatives	Prof. M.N. Faruqui, IIT Foundation
5.	One Member from amongst the Heads of other Institutions of the Trust	Prof. N.J. Rao
6.	Deans	Prof. T.S. Lamba
7.	Heads of the Department	Prof. R.M. Vasani Prof. S.V. Bhooshan Brig. (Retd.) S.P. Ghosla Prof. R.S. Chauhan Prof. S.C. Katyal Prof. Harinder Singh

BALANCE SHEET
FINANCIAL YEAR 2009-10

FORM 10 B [See rule 17B]

Audit report under section 12A (b) of the Income-tax Act, 1961,
in the case of charitable or religious trusts or institutions

We have audited the Balance Sheet of JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY WAKNAGHAT DISTT. SOLAN (HP) and the Income & Expenditure Account for the year ended on that date, which are in agreement with the books of account maintained by the said School. These financial statements are the responsibility of the management. Our responsibility is to express an opinion on these financial statements based on our audit.

We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of the audit. In our opinion, proper books of account have been kept so far as appears from our examination of the books and on the basis of reasonable audit techniques exercised.

In our opinion and to the best of our information, and according to information given to us, the said accounts notes to accounts give a true and fair view:

- (i) In the case of the Balance Sheet, of the affairs of the above named trust as at 31.03.2010, and,
- (ii) In the case of the Income & Expenditure, of the Deficit of its accounting year ending on 31.03.2010.

for
RAJEEV SOOD & CO.
CHARTERED ACCOUNTANTS
71 MIDDLE BAZAR,
SHIMLA
Rajeev Sood
(Partner)

Place: Shimla
Date:

Jaypee University of Information Technology
Waknaghat, Distt. Solan, H.P.

Balance Sheet as on 31.03.2010

Amount (Rs) 31.03.2009	LIABILITIES	SCH	Amount (Rs) 31.03.2010	ASSETS	SCH	Amount (Rs) 31.03.2010
50,000,000	CORPUS FUND			FIXED ASSETS		293,432,142
10,155,000	For University		50,000,000	Gross Block		
60,155,000	For Research Promotion (UBSK)		10,155,000	Less : Depreciation	"A"	150,425,218
	GENERAL FUND		60,155,000	Net Block	"B"	-
116,020,354	Opening Balance			Capital work-in-progress		
11,796,887	Add : Excess of Income over Expenditure		127,817,241			
127,817,241			2,695,314			
	Research Projects' Funds	"P"	130,512,555	CURRENT ASSETS, LOANS & ADVANCES		
2,231,008	Opening Balance			Cash & Bank Balance	"C"	116,736,037
7,253,386	Add : Received during the year		1,145,489	Advance Recoverable in Cash or in Kind	"D"	14,811,393
8,336,905	Less : Expenses during the year		4,268,276	Prepaid Expenses	"E"	1,982,435
2,000	Less : Refund during the year		4,517,819	Security Deposit	"F"	1,009,062
1,145,489				Stock-in- Hand	"G"	4,133,592
12,411,387	CURRENT LIABILITIES & PROVISIONS	"H"	895,946			
65,881,330	Sundry Creditors	"I"	10,254,921			
	Other Liabilities		71,018,015			
15,787,700	Caution Money					
244,005	Current Students		15,747,900			
16,031,705	Ex-students		513,400			
283,442,152			16,261,300			
			289,097,737			289,097,737

Significant Accounting policies and notes on accounts as per Schedule 'P' forming part of Balance Sheet.

for RAJEEV SOOD & CO.
CHARTERED ACCOUNTANTS
70-71, M.B.
SHIMLA

For Jaypee University of Information Technology

(RAJEEV SOOD) CHARTERED ACCOUNTANT
Partner
PLACE : Waknaghat, H.P.
DATE : 22.06.10

(Vice-Chancellor)

(Registrar)

(Finance Officer)

Jaypee University of Information Technology
Waknaghat, Distt. Solan, H.P.

Income & Expenditure Account for the year ended 31.03.2010

Amount (Rs.) 31.03.2009	EXPENDITURE	SCH	Amount (Rs.) 31.03.2010	Amount (Rs.) 31.03.2009	INCOME	SCH	Amount (Rs.) 31.03.2010
52,550,123	Institutional Expenses	"J"	58,409,307	213,451,942	Collection from Students	"M"	248,536,812
74,953,461	Salary & Allowances	"K"	102,981,089	8,260,943	Interest received	"N"	7,256,395
53,971,118	Students' Hostel Expenses	"L"	61,544,189	668,700	Other income	"O"	805,151
29,109,996	Depreciation	"A"	30,968,459				
210,584,698	Total expenditure		253,903,044				
11,796,887	Excess of Income over expenditure Carried over to Balance Sheet		2,695,314				
222,381,585			256,598,358	222,381,585			256,598,358

Significant Accounting policies and notes on accounts as per Schedule 'P' forming part of Balance Sheet.

for RAJEEV SOOD & CO.
CHARTERED ACCOUNTANTS
70/11 M.B.
SHIMLA
(RAJEEV SOOD) CHARTERED ACCOUNTANTS
PARTNER

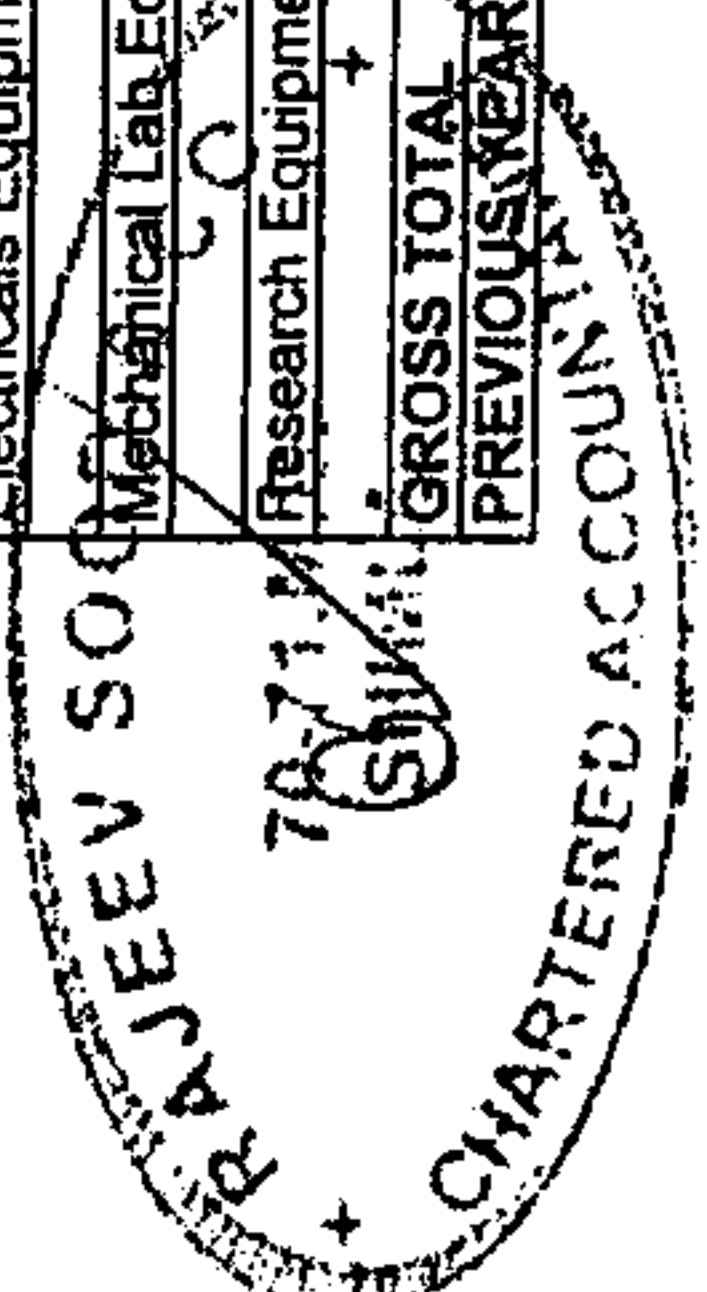
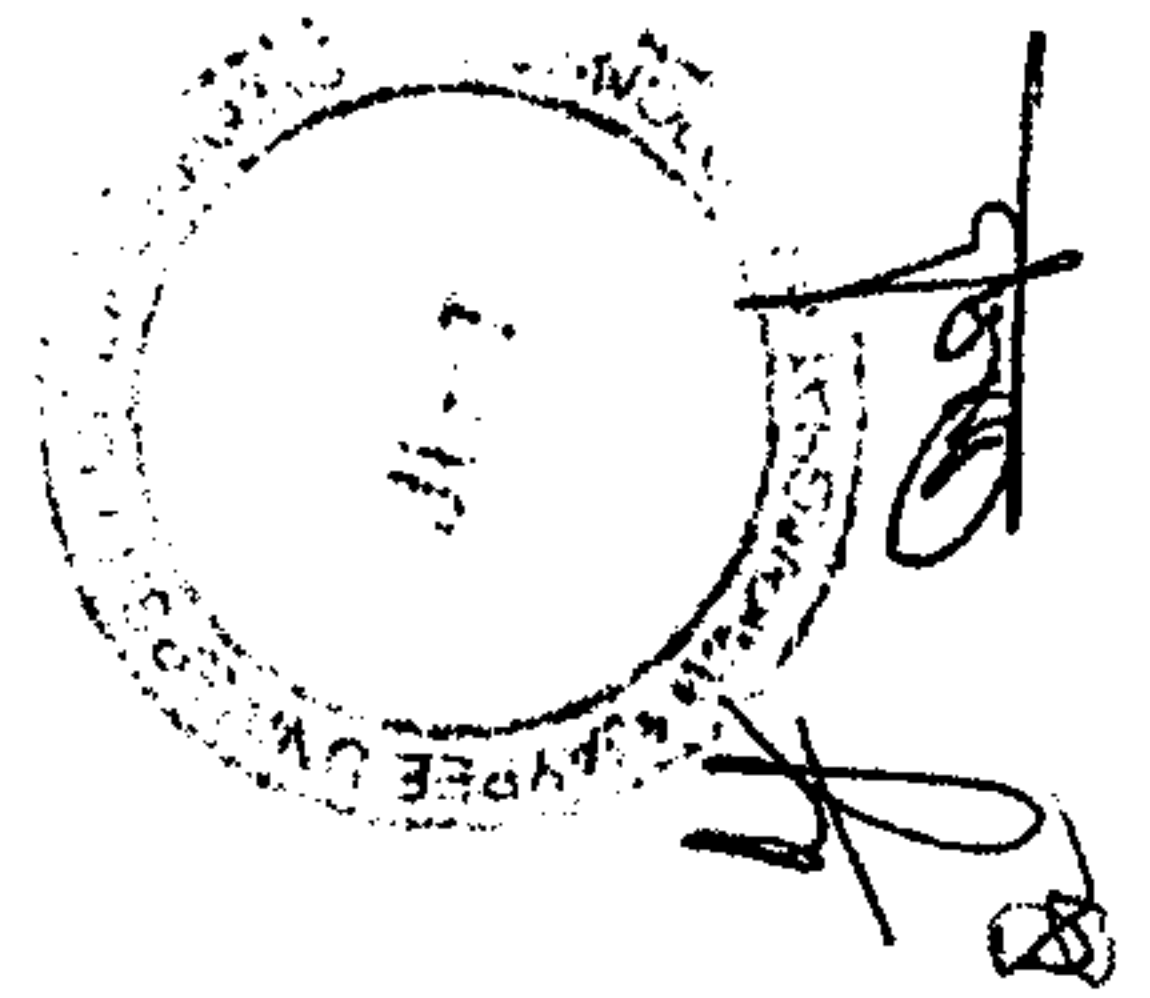
For Jaypee University of Information Technology
JUT
Waknaghat, Distt. Solan, H.P.
Vice-Chancellor
Registrar
Finance Officer

PLACE : Waknaghat, H.P.
DATE : 22.06.10

DETAILS OF FIXED ASSETS AS ON 31.03.2010

SCHEDULE "A"
(Amount in Rs.)

Block of Assets	Rate of Dep.	GROSS BLOCK			DEPRECIATION			NET BLOCK	
		Op. Balance as on 01.04.2009	Addition during the Year More than 180 Days Less than 180 Days	As on 31.03.2010	Op. Balance As on 01.04.2009	For the Year	Up to 31.03.2010	31.03.2009	As on 31.03.2010
Library Books	15%	30,232,104	1,623,741	31,855,845	10,555,138	3,686,231	14,241,344	19,676,991	24,162,778
Electronic Lab Equipment	15%	12,126,846	1,936,712	14,063,558	4,497,514	1,434,907	5,932,421	7,629,332	8,131,137
Bio Tech Lab Equipment	15%	14,088,399	1,555,086	15,643,485	5,005,447	1,668,425	6,673,872	9,082,952	9,939,210
Physics Lab Equipment	15%	6,078,165	-	6,078,165	1,651,644	663,978	2,315,622	4,426,521	3,762,543
Computer Lab Equipment	60%	58,174,121	5,863,702	64,037,823	50,520,472	8,212,459	58,732,931	7,653,649	5,645,056
Imported Bio Lab Equipment	15%	18,008,689	-	18,008,689	6,598,462	1,766,920	8,365,382	11,410,227	10,381,792
Imported Electronic Lab Equipment	15%	3,358,810	-	3,358,810	2,208,193	172,593	2,380,786	1,150,617	978,024
Imported Computer Lab Equipment	60%	737,191	-	737,191	731,907	3,171	735,078	5,284	2,113
Imported Office Equipment	15%	87,905	-	87,905	24,394	9,527	33,921	63,511	53,984
Civil Lab Equipment	15%	4,788,557	-	4,788,557	2,023,162	415,781	2,438,943	2,765,395	2,362,574
Software-Computer	60%	204,717	-	204,717	61,415	745,643	807,058	143,302	1,596,533
Software-Math	15%	324,350	-	324,350	48,653	41,355	90,008	275,697	234,342
Software-Civil	15%	291,200	-	291,200	21,840	40,404	62,244	269,360	228,956
Software -Language Lab	15%	718,988	-	718,988	53,925	99,760	153,685	665,063	565,303
Office Equipment	15%	3,219,217	977,324	4,196,541	1,363,114	465,006	1,828,120	1,856,103	2,901,656
Miscellaneous Assets	15%	2,880,904	40,000	2,920,904	887,980	378,605	1,266,585	1,992,924	2,636,540
Gymnasium Equipment	15%	593,605	154,173	747,778	208,851	82,924	291,775	384,754	483,803
Furniture & Fixture	10%	36,232,136	3,553,650	39,785,786	6,133,236	3,401,631	9,534,867	30,098,900	30,978,436
Vehicles	15%	8,674,456	-	8,674,456	3,898,542	804,693	4,703,235	4,775,914	5,148,638
Imported Kitchen Equipment	15%	278,308	-	278,308	41,746	35,484	77,230	236,562	201,078
Kitchen Equipment	15%	2,384,988	32,597	2,417,585	708,177	304,505	1,012,682	1,676,811	2,046,153
Plant & Machinery	15%	49,819,315	-	49,819,315	12,989,844	5,559,283	18,549,127	36,829,471	31,735,023
Electricals Equipments	15%	6,265,973	78,917	6,344,890	1,712,018	694,931	2,406,949	4,553,955	3,937,941
Mechanical Lab Equipments	15%	-	-	-	-	108,534	108,534	-	1,338,585
Research Equipments	15%	1,237,545	-	1,237,545	92,816	171,709	264,525	1,144,729	973,020
GROSS TOTAL PREVIOUS YEAR		260,064,889	158,159,022	418,223,911	112,038,465	30,968,459	143,006,924	148,768,024	150,425,218
		221,681,870	156,370,833	378,052,703	82,928,469	29,109,996	112,038,465	172,441,856	177,375,205



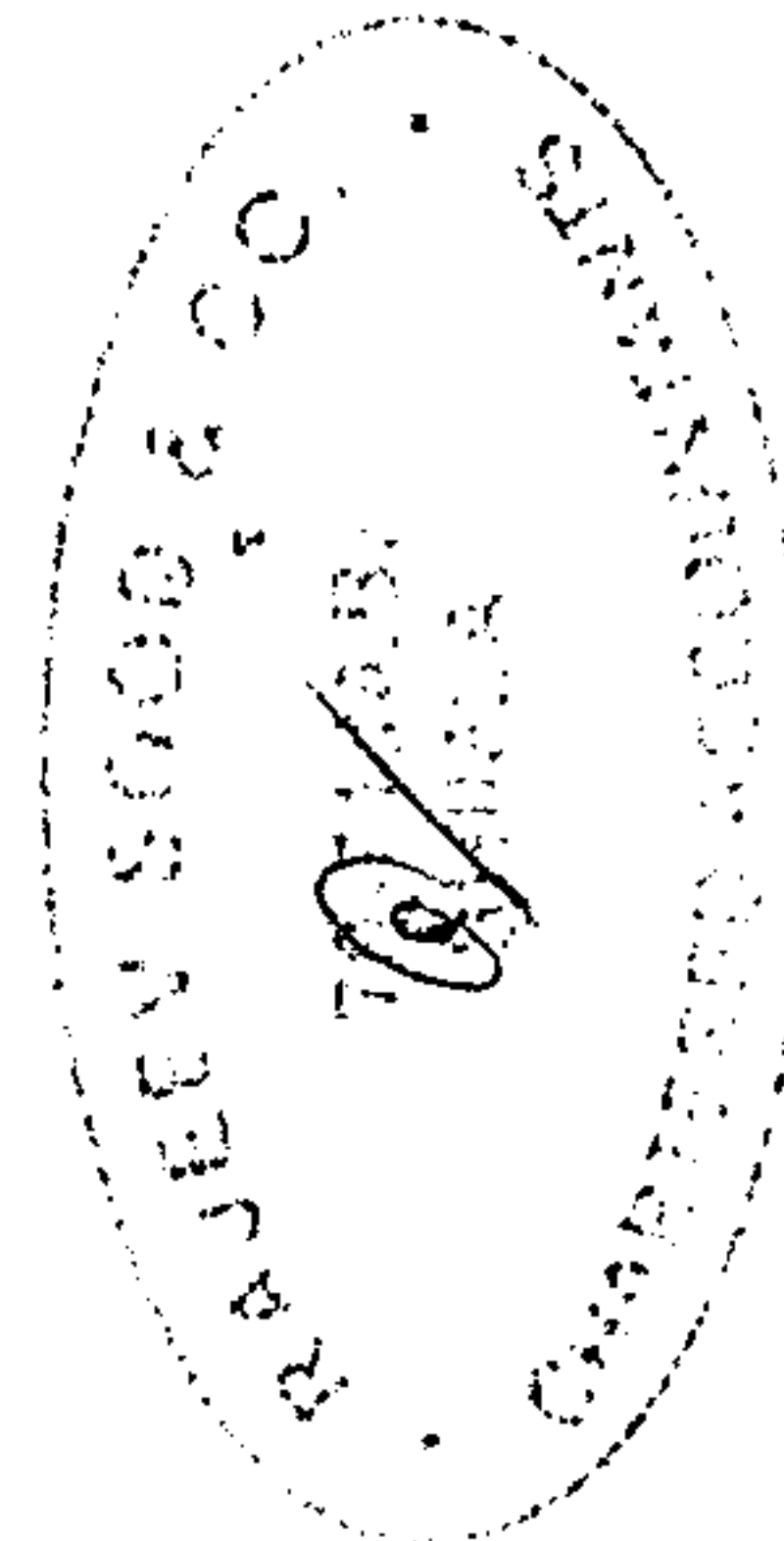
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

CAPITAL WORK IN PROGRESS

SCHEDULE - "B"
(Amount in Rs.)

Particulars	Opening Balance as on 01.04.2009	Addition during the year	Capitalized during the year	Written off during the year	Closing balance as on 31.03.2010
Smart Card for attendance	117,491	-	-	117,491	-
Furniture & Fixture	1,078,323	1,079,806	2,555,416	-	-
Gross Total	1,195,814	1,079,806	2,555,416	117,491	-



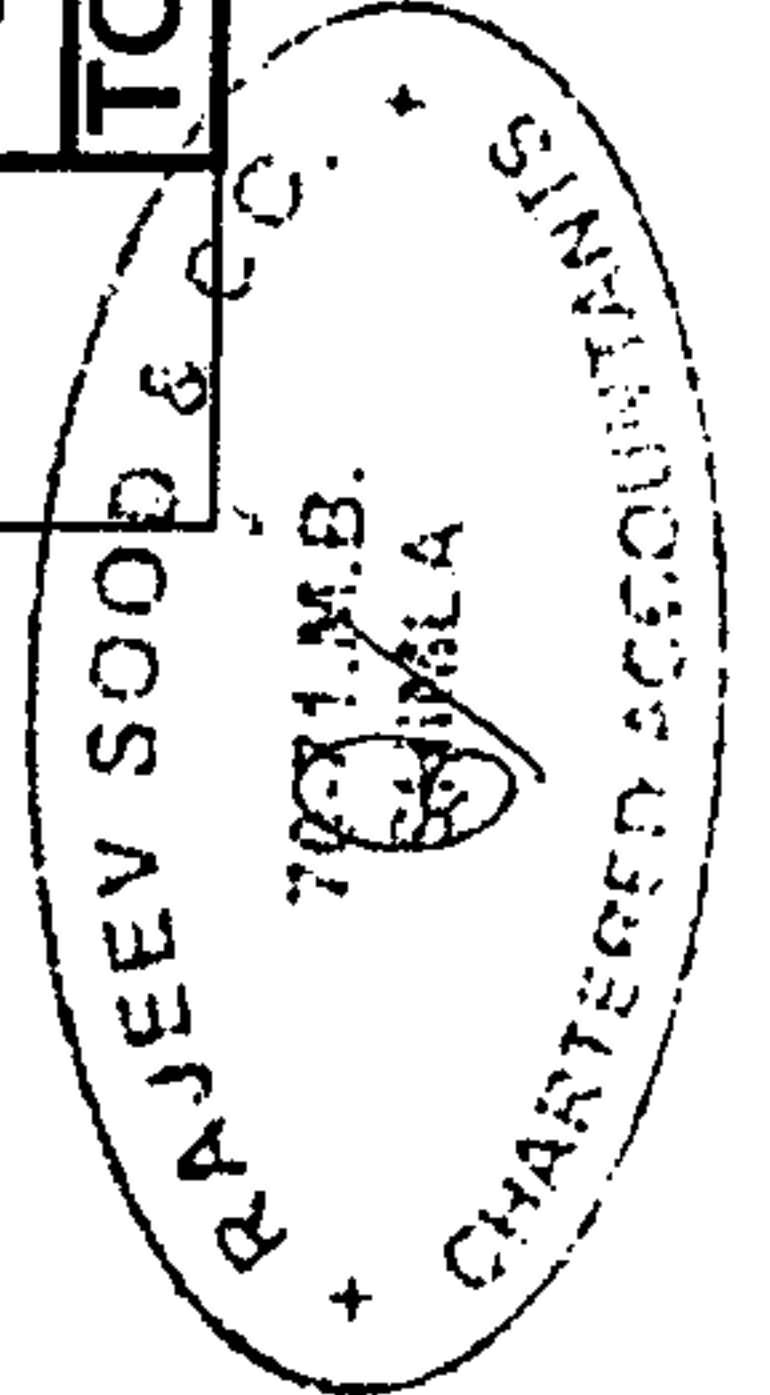
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FINANCIAL YEAR 2009-10

CASH & BANK BALANCE

S. No	Particulars	SCHEDULE - "C"	
		Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
I	Cash in Hand	157,698	284,742
II	<u>Balance with Schedule Banks</u> In current account : - Syndicate Bank, Noida - Punjab National Bank, Shimla - Punjab National Bank, Waknaghat - State Bank of Patiala, Waknaghat - Oriental Bank of Commerce, Solan - Oriental Bank of Commerce, Chandigarh - Cheques /DDs in Hand	81,066 194,870 45,992 592,717 1,180,348 50,050 8,311,049	142,378 235,337 220,444 2,081,382 799,240 50,050 4,995,458
III	<u>Fixed Deposits with Banks</u> - State Bank of Patiala, Noida - Punjab National Bank, Shimla - State Bank of Patiala, Waknaghat - Punjab National Bank, Waknaghat - Oriental Bank of Commerce, Solan - IDBI, Noida (Corpus Fund)	1,643,467 467,249 23,318,899 4,000,000 19,244,413 50,000,000	- 498,498 18,000,000 10,850,000 12,124,932 54,273,893
IV	<u>Earmarked Deposits with Banks</u> - Syndicate Bank UBSK, Noida (C/A) - Syndicate Bank UBSK, Noida (FD)	153,926 11,116,633	153,698 12,025,985
	TOTAL CASH & BANK BALANCE	120,558,378	116,736,037



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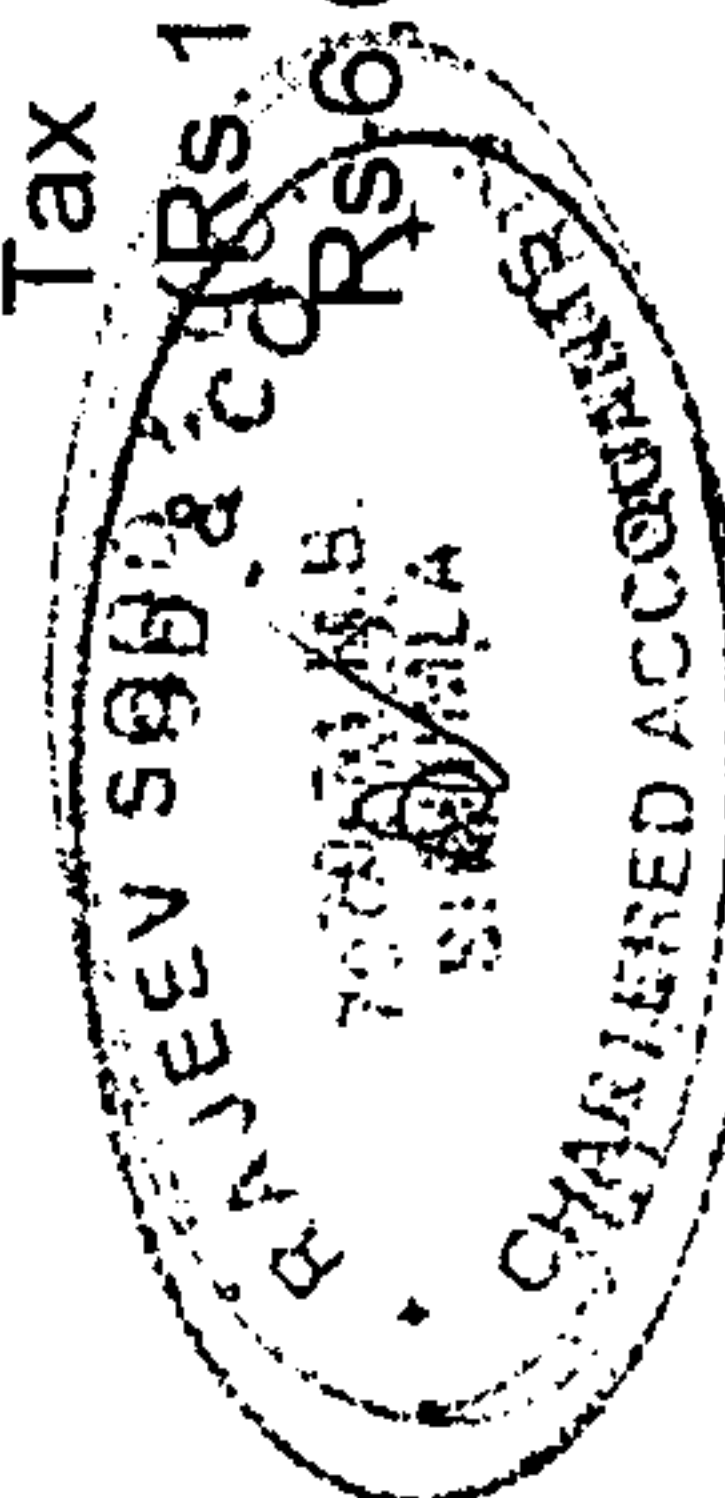
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FINANCIAL YEAR 2009-10

ADVANCES RECOVERABLE IN CASH OR KIND
SCHEDULE - "D"
(Annexure enclosed)

Particulars	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
Advances To		
- Staff	13,376	51,050
- Suppliers	232,443	581,903
Receivables From		
- Students	1,118,300	1,994,358
- Income Tax Department as on 31.03.10	5,337,443	12,184,082
- Assessment Year 2005-06 Rs.57787		
- Assessment Year 2006-07 Rs.10184835		
- Assessment Year 2007-08 Rs.67772		
- Assessment Year 2008-09 Rs.862917		
- Assessment Year 2009-10 Rs.348967		
- Assessment Year 2010-11 Rs.661804		
TOTAL ADVANCE RECOVERABLE IN CASH OR KIND	6,701,562	14,811,393

Note:- Out of total receivables of Rs. 1,21,84,082/- as on 31-03-2010 from Income Tax Deptt. an amount of Rs. 1,09,75,565/- has been received in 2010-11 Rs.1,07,83,425/- in May.10 and Rs. 1,92,140/-in July.10 including interest of Rs.6,65,171/-)



Annexure to Advances Recoverable in Cash or Kind SCH-'D'

Particulars	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
Advance to Staff		
Imprest - Staff		
Sh. Satyendra Kumar Sah	-	4,000
Staff Loan		
Sh. Satish Chandra	7,313	1,250
Sh. Nitin	6,063	-
Sh. Chitranjan Rout	-	45,800
Sub Total	13,376	51,050
Advance to Suppliers/Agencies		
Cranes Software International Ltd.	-	20,800
Periodica Indica	-	561,103
Indian Oil Corp.	59,249	-
NICMAR	26,930	-
JILIT	146,264	-
Sub Total	232,443	581,903
Receivable from Students :		
Tuition fee - General Category	153,000	105,000
Hostel fee - General Category	110,000	28,000
Tuition fee - NRI Sponsored Students	629,725	1,133,859
Hostel fee - NRI Sponsored Students	78,675	80,230
IDF - NRI Sponsored Students	101,900	602,269
IDF - General Category	45,000	45,000
Sub Total	1,118,300	1,994,358

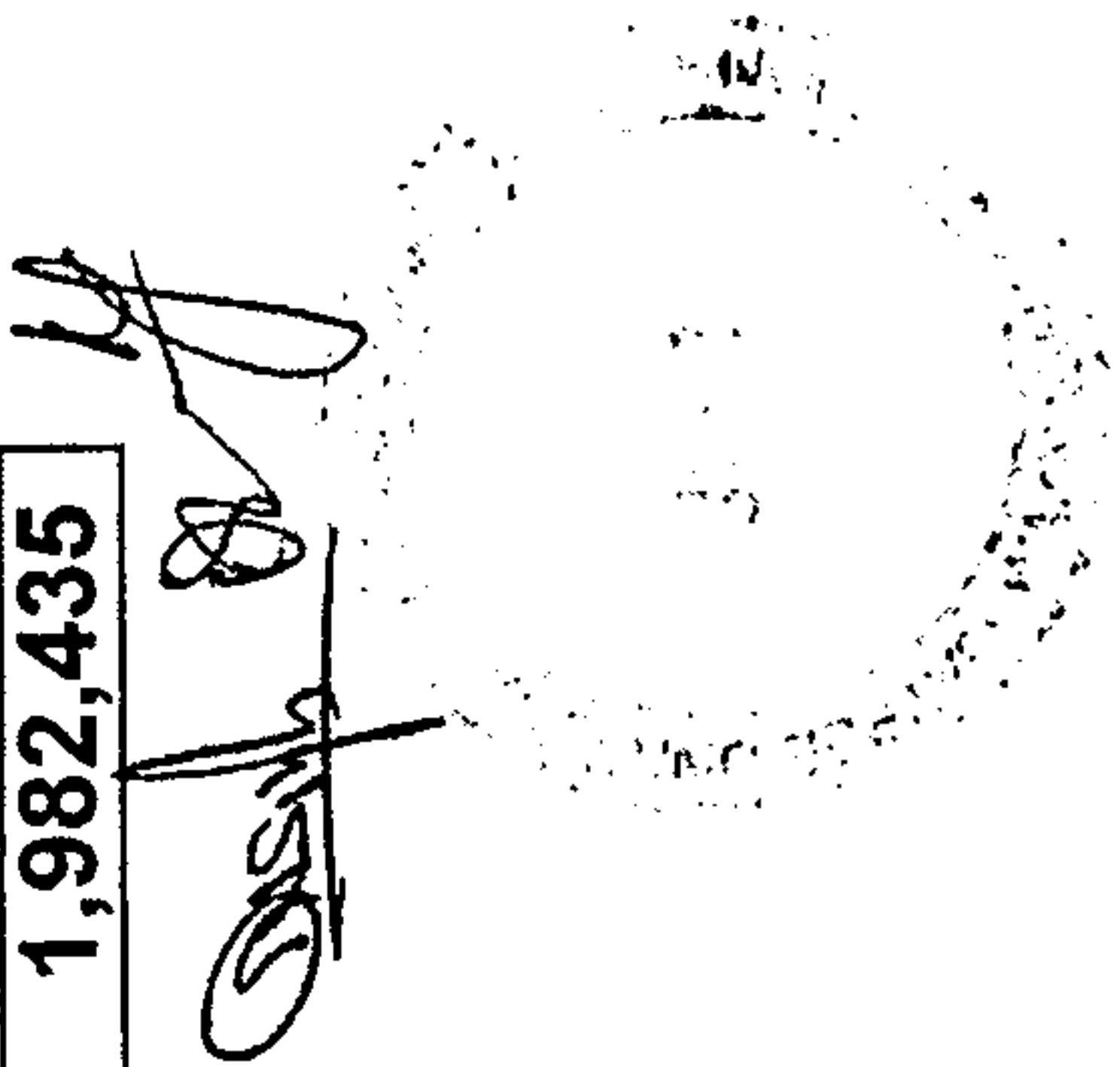
RECEIVED
CHARGED ACCOUNTANTS

13

PREPAID EXPENSES

SCHEDULE - "E"

Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
AMC for Equipments	348,925	326,184
Insurance	215,458	233,170
Subscription for Journals & Digital Library	1,089,983	1,423,081
TOTAL PREPAID EXPENSES	1,654,366	1,982,435



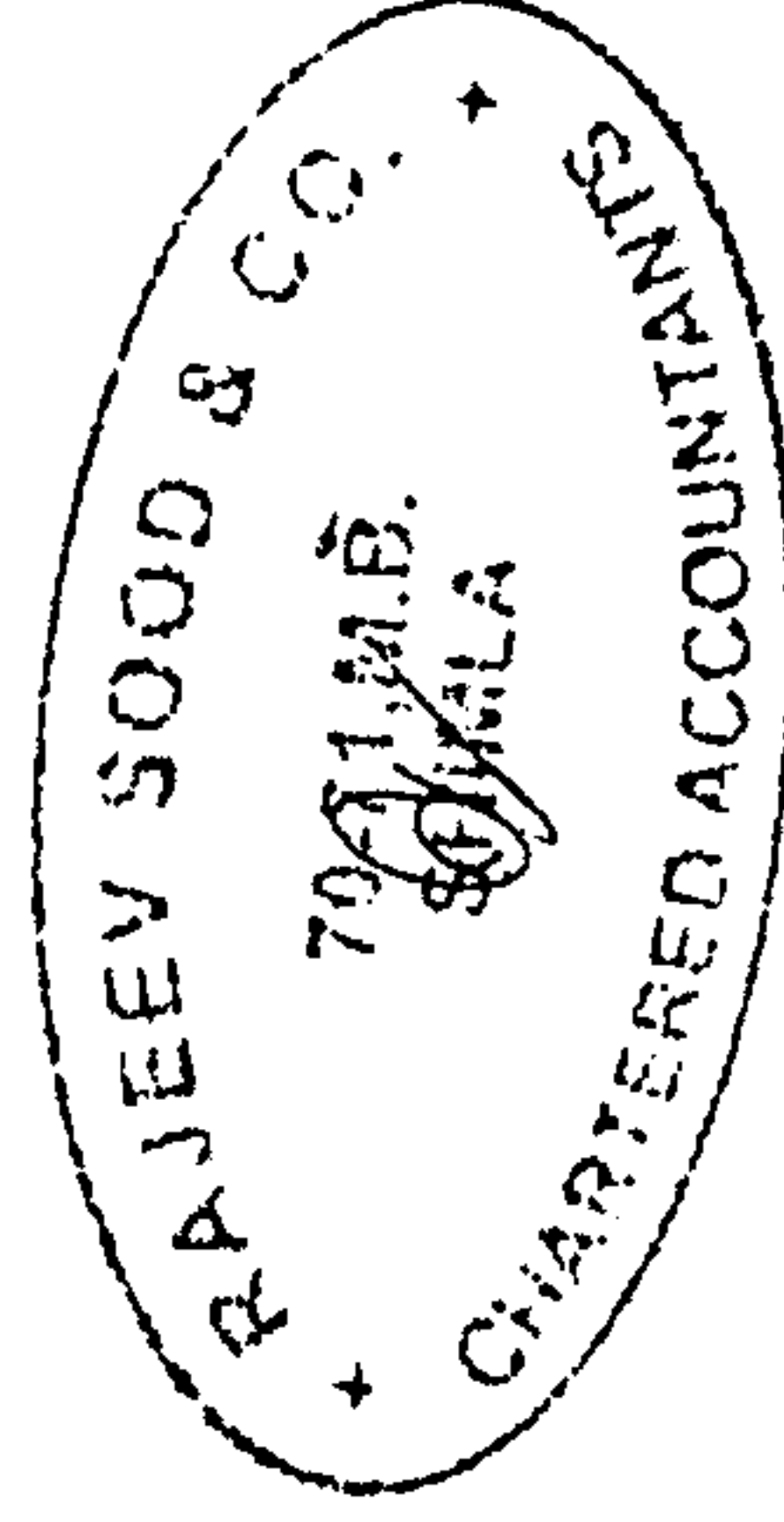
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

STOCK-IN-HAND

SCHEDULE - "G"

Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
Annapurna Grocery & Eatables	481,787	732,806
Printing & Stationery	123,993	49,167
Medicine	54,654	77,057
Diesel	451,773	353,392
General hardware Items	1,238,500	1,079,856
Electrical Items	918,358	1,643,303
Spares for Vehicles	163,631	198,011
TOTAL STOCK -IN-HAND	3,432,696	4,133,592



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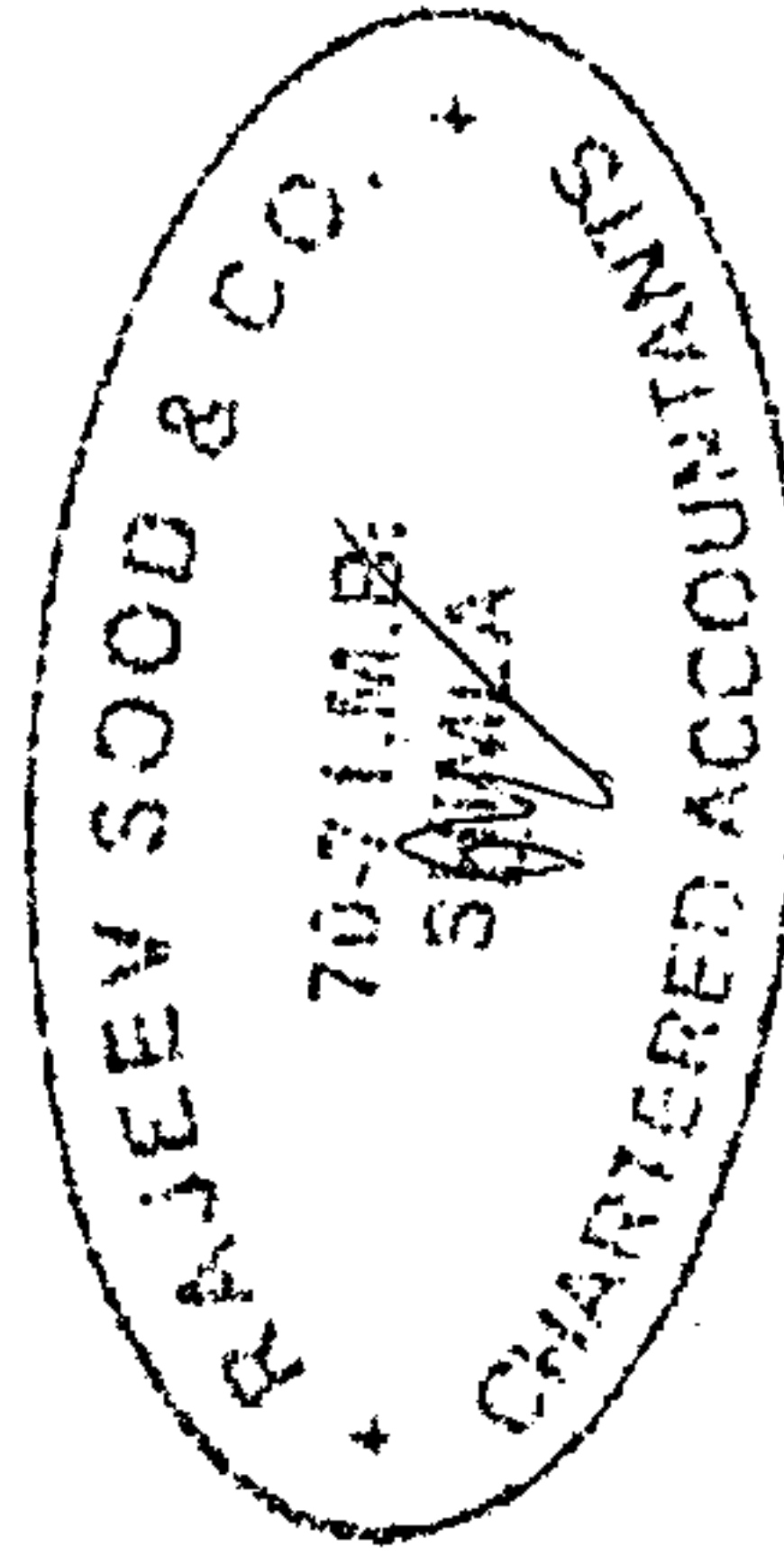
FINANCIAL YEAR 2009-10

SUNDRY CREDITORS

SCHEDULE - "H"

(Annexure Enclosed)

Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
- For Goods Supplied	6,655,263	1,898,738
- For Services Rendered	1,272,549	1,142,279
- For Retention	524,736	813,174
- For Statutory Liabilities	3,958,839	6,400,730
TOTAL SUNDRY CREDITORS	12,411,387	10,254,921



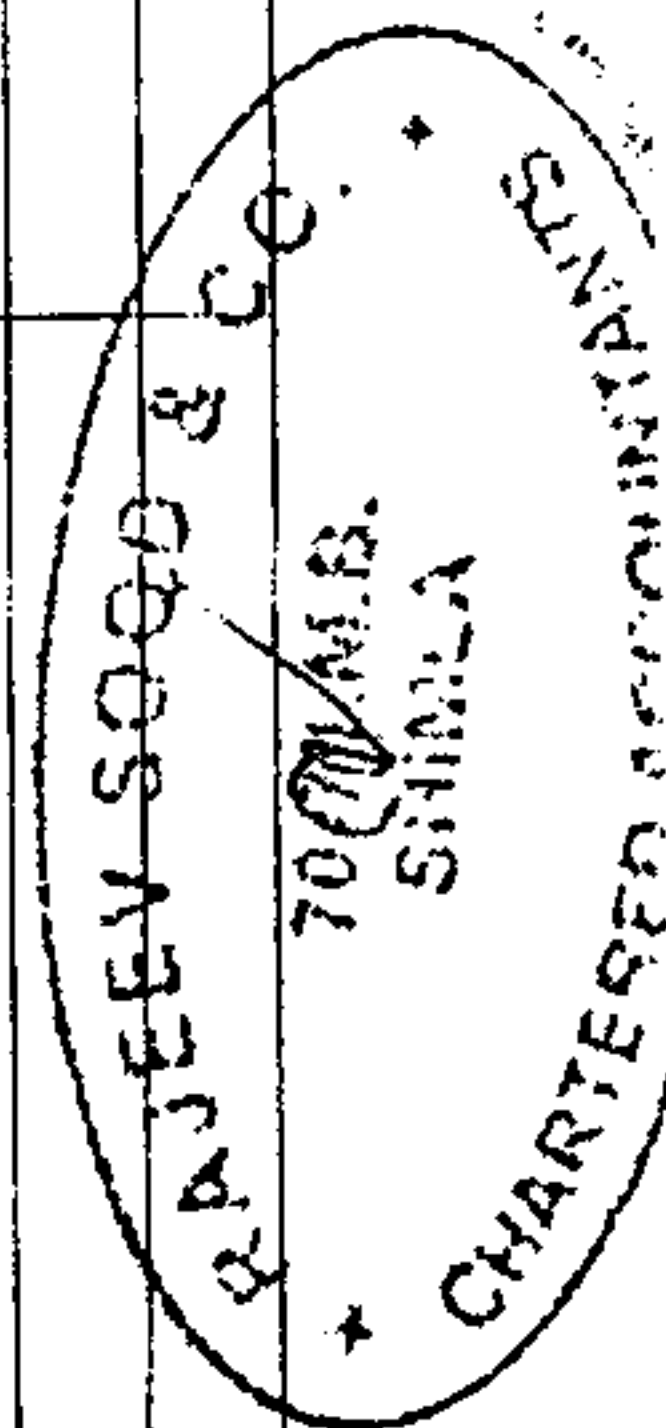
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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

Annexure to (Sundry Creditors) Schedule - "H"

S. No.	Particulars	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
	FOR GOODS SUPPLIED: (A)		
1	Alisha Enterprises	1,780	-
2	Anamika Screen Printers	56,854	47,452
3	Anand Electronics	248,068	-
4	Apara Enterprises Solutions (P) Ltd.	-	32,722
5	Balzers Enterprises	20,970	-
6	Bansal Ply Place	231,121	-
7	Bash Chemo Agencies	61,573	110,187
8	Bright Flow Engineers	424,479	-
9	Brightway Agencies	13,350	-
10	Capital Scientific Traders	81,101	-
11	City Sales	21,654	-
12	DSS Imagetech Pvt. Ltd.	3,375	-
13	Engineering Models & Equipment	-	412,278
14	Focus Technologies	312,994	-
15	Gain Chand Ashok Kumar	2,720	-
16	Geno Bio Science Pvt. Ltd.	92,248	-
17	Gigo Bytes	58,583	-
18	Globe Electric Stores	9,647	-
19	Heatex Engineers Pvt. Ltd.	-	8,383
20	Indian Oil Corporation	-	2,494
21	Instruments Manufacturing	15,187	-
22	International Scientific & Surgicals	-	371,332
23	Jay Sons Mill Store	154,391	-
24	Krishna Book Distributors	476,544	-
25	M S Auto Stores	9,266	-
26	Mahamaya Promoters	461,615	20,511

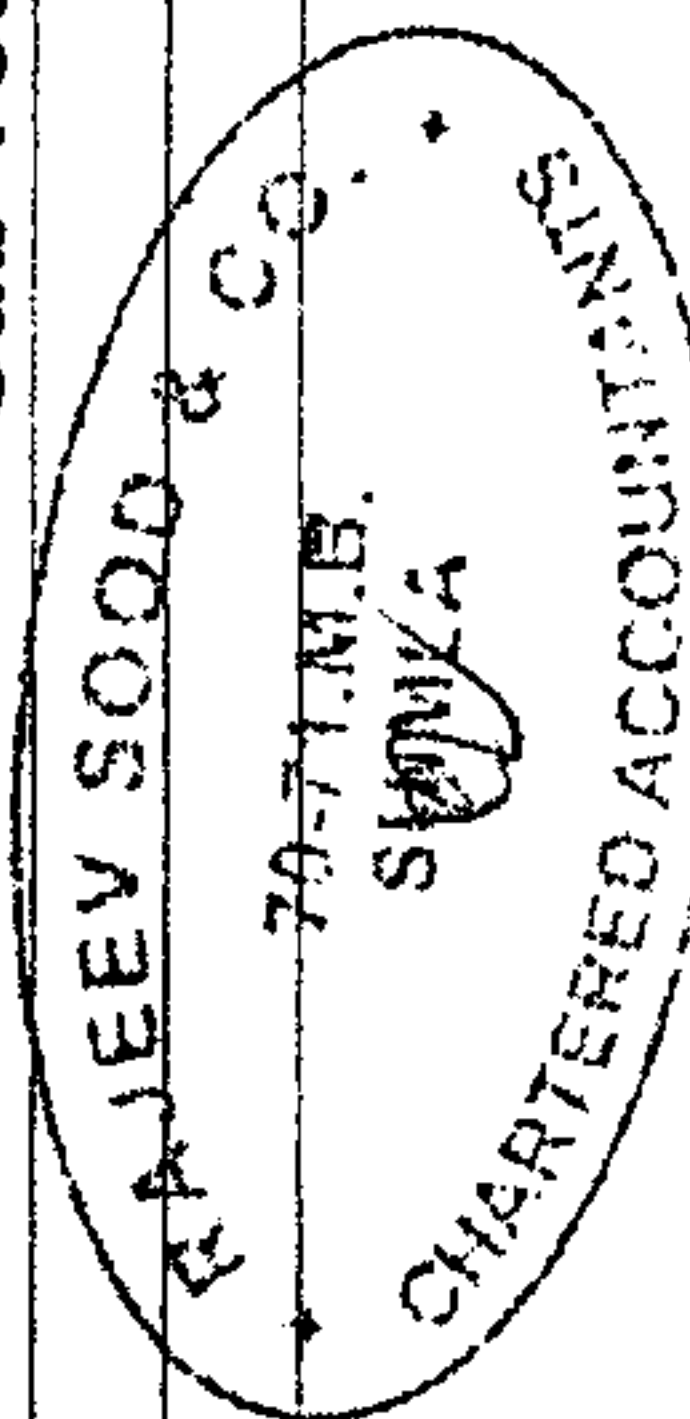


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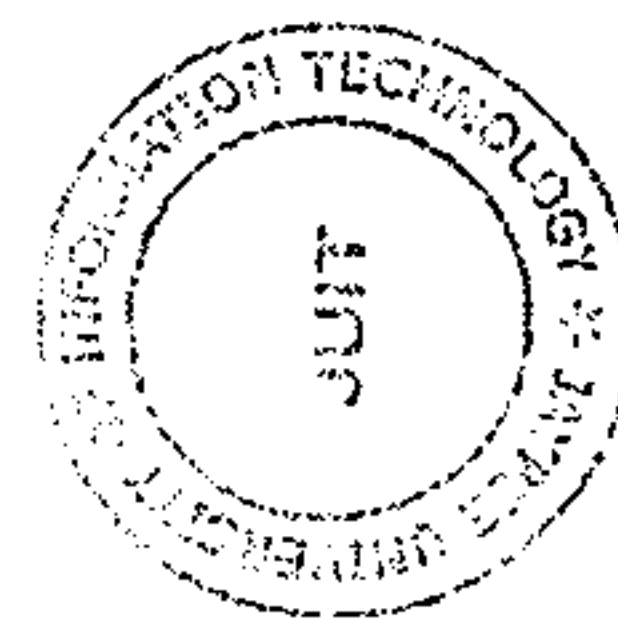
Annexure to (Sundry Creditors)

Schedule - "H"

S. No.	Particulars	Amount (Rs.)	Amount (Rs.)
		31.03.2009	31.03.2010
27	Mahaveer Scientific Corp.	-	15,342
28	Marg Infotech	1,958,320	-
29	Net Lab Solution (India) Pvt.Ltd.	34,320	-
30	Ocimum Biosolutions (India) Ltd.	53,928	85,304
31	Offcom Systems Pvt. Ltd.	682,550	-
32	Oswal Scientific Stores	-	377,992
33	Periodica Indica	36,421	-
34	PG Associates	14,906	-
35	Prime Book Service	6,294	50,036
36	Prime Sports	2,025	-
37	Regeneration Technologies	155,840	111,038
38	Research Aid Instruments & Services	-	135,202
39	S K Enterprises	221,830	-
40	S K Surgical Co.	-	13,047
41	Scientific Solutions	314,956	-
42	Shivam Trading Company	-	2,087
43	Sidha Timbers	14,552	-
44	Sigma Aldrich Chemicals Pvt. Ltd.	203,049	27,993
45	Sigma-SVI Biosolution Pvt. Ltd.	-	33,531
46	Stefab India Ltd.	6,619	-
47	STJ Electronics Pvt. Ltd.	28,559	-
48	Sunil LPG Service	4,595	-
49	Taluja Enterprises	157,854	-
50	Vinayaka Enterprises	-	7,822
51	Vishal Sanitary Store	1,125	-
52	Vista Biocell Pvt. Ltd.	-	9,364
53	Water (India) Pvt. Ltd.	-	24,621
	Sub Total (A)	6,655,263	1,898,738



[Signature]



Annexure to (Sundry Creditors)

Schedule - "H"

S. No.	Particulars	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
	FOR SERVICES RENDERED: (B)		
1	Alpha Engineers	3,811	3,811
2	Catalyst Forwards Pvt. Ltd.	20,221	22,886
3	Corporate Lexport	22,425	-
4	Del Net	12,577	-
5	Educational Consultants India Ltd.	74,866	-
6	Glance Enterprises	3,918	-
7	H C L Infosystems Ltd.	-	28,104
8	JIL Information Technology	116,520	-
9	JITC	4,147	-
10	Khan Brothers & Associates	9,311	-
11	Khan Brothers & Associates Pvt.Ltd.	467,761	42,000
12	Kumar Studio	3,395	-
13	OYNX Mgt. Services Pvt. Ltd.	260,309	1,044,278
14	Pest control India	39,420	-
15	Rajeev Sood & Co.	29,341	-
16	Recoverable from AICTE	144,155	-
17	Redington India Limited	32,554	-
18	Sawhney Brothers	-	1,200
19	Sikand & Company	900	-
20	Tech Chand Bharti	21,668	-
21	Thakur News Agency	5,250	-
	Sub Total (B)	1,272,549	1,142,279
	FOR RETENTION : (C)		
1	Alpha Engineers	47,170	-
2	Arma Coating	1,560	-
3	Bablu Kumar	2,030	-



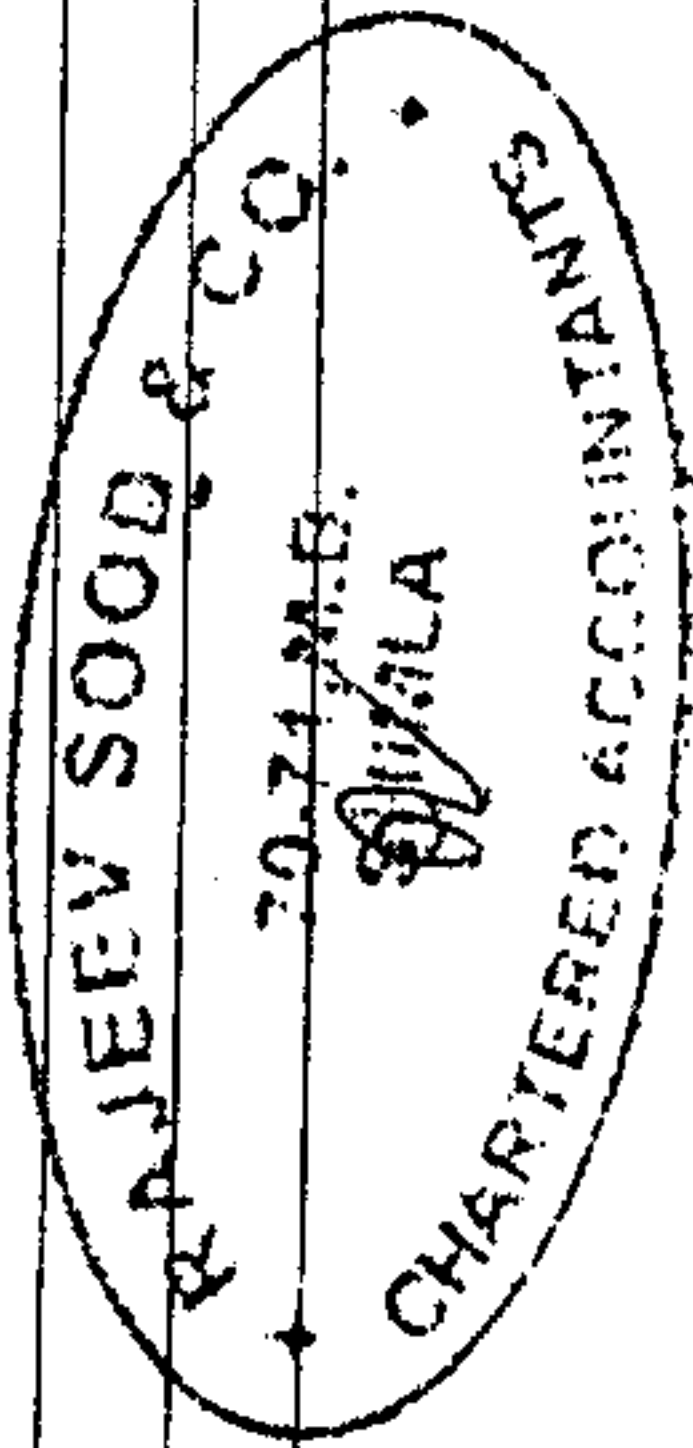
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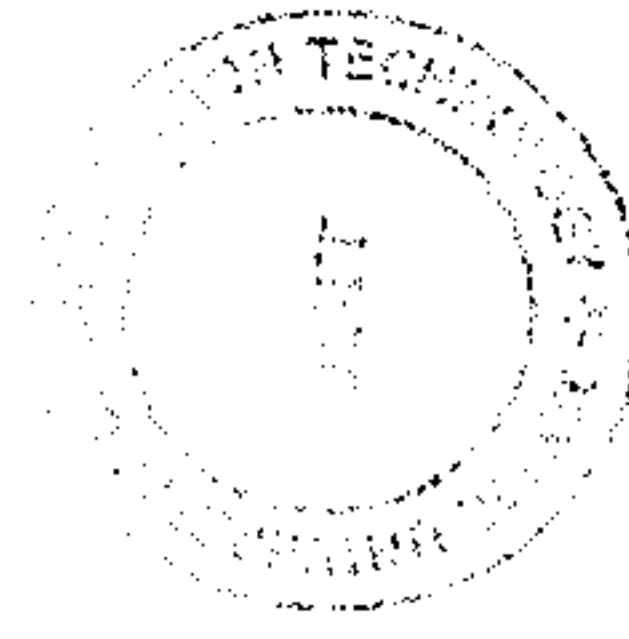
Annexure to (Sundry Creditors)

Schedule - "H"

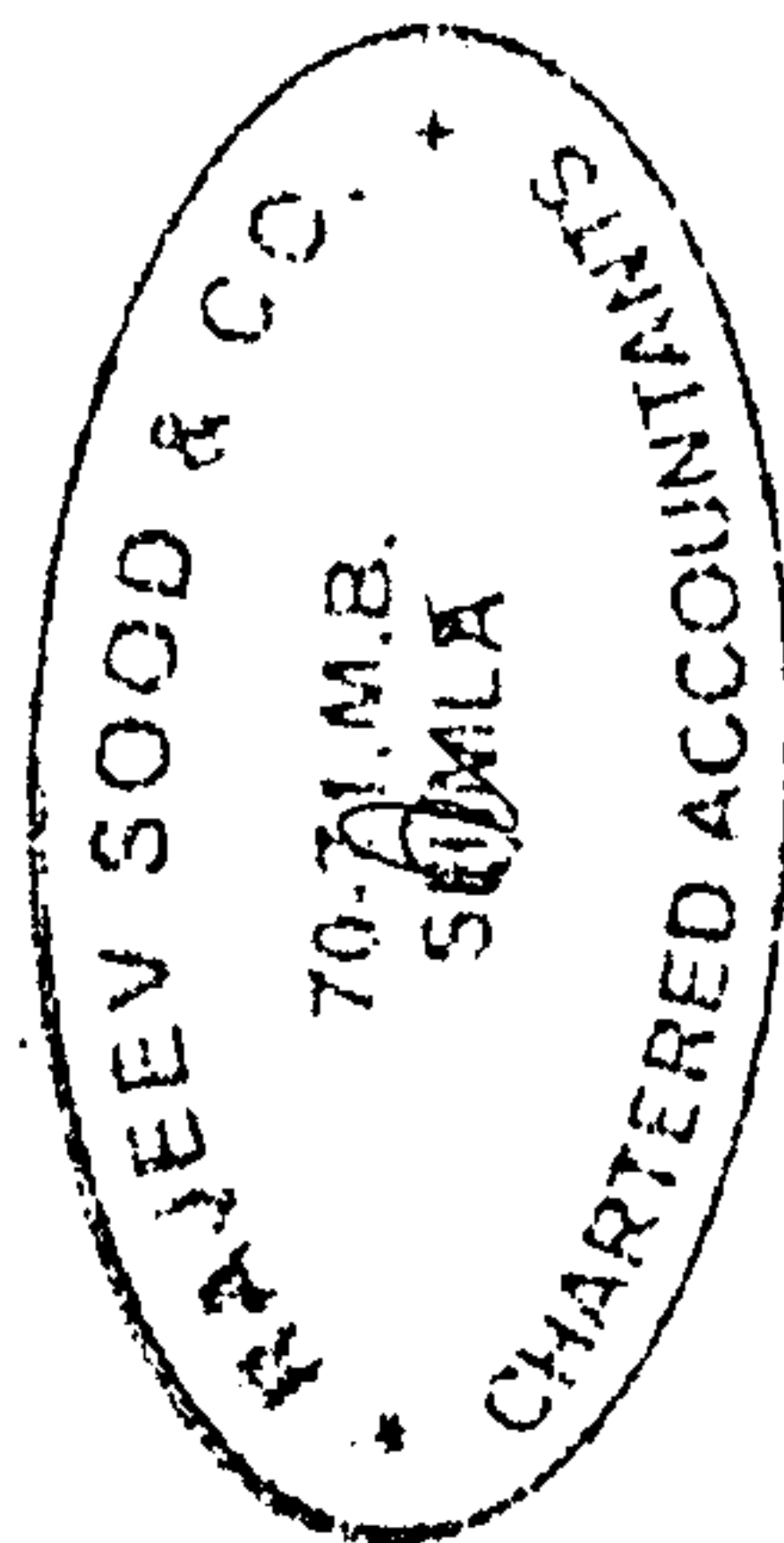
S. No.	Particulars	Amount (Rs.)	Amount (Rs.)
		31.03.2009	31.03.2010
4	Brightflow Engg.	-	2,116
5	Chopra Aluminum	-	22,349
6	Eshan Esthetic	-	111,433
7	Furpa Lama	16,306	-
8	Gunj Bahadur	8,987	10,773
9	Gyan Singh	5,254	-
10	Hira Nand & Brothers	-	121,599
11	Kamaluddin	7,962	16,247
12	Kamla Prasad Singh	12,330	46,287
13	Khan Brothers & Associates	4,463	-
14	Kishan	999	3,202
15	Mahanarayan Yadav	17,652	-
16	Pandit Gunsager	193	8,504
17	Ram Pukar	20,909	-
18	Roofers Combined (I) Pvt. Ltd.	978	-
19	S.M.Bhatt	54,007	54,007
20	Shiva Gas	-	3,499
21	Shivam Trading Company	-	25,489
22	Shri Balaji Interiors	-	4,924
23	Sobh Nath Rai	4,761	-
24	Solarman Engineering Project (P) Ltd.	50,000	-
25	Sudesh Larka	1,069	-
26	Sukh Dev	260,841	353,493
27	Vijay Kumar	-	12,701
28	Vishunath	-	174
29	Wardhan Electrical Works	7,265	16,377
	Sub Total (C)	524,736	813,174



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Annexure to (Sundry Creditors)			Schedule - "H"	
S. No.	Particulars	Amount (Rs.)	Amount (Rs.)	Amount (Rs.)
		31.03.2009		31.03.2010
	FOR STATUTORY LIABILITIES (D)			
1	Provision For Gratuity	2,970,302		4,723,949
2	Employer's Contribution to PF payable	988,537		1,676,781
	Sub Total (D)	3,958,839		6,400,730
	G.Total (A+B+C+D)	12,411,387		10,254,921



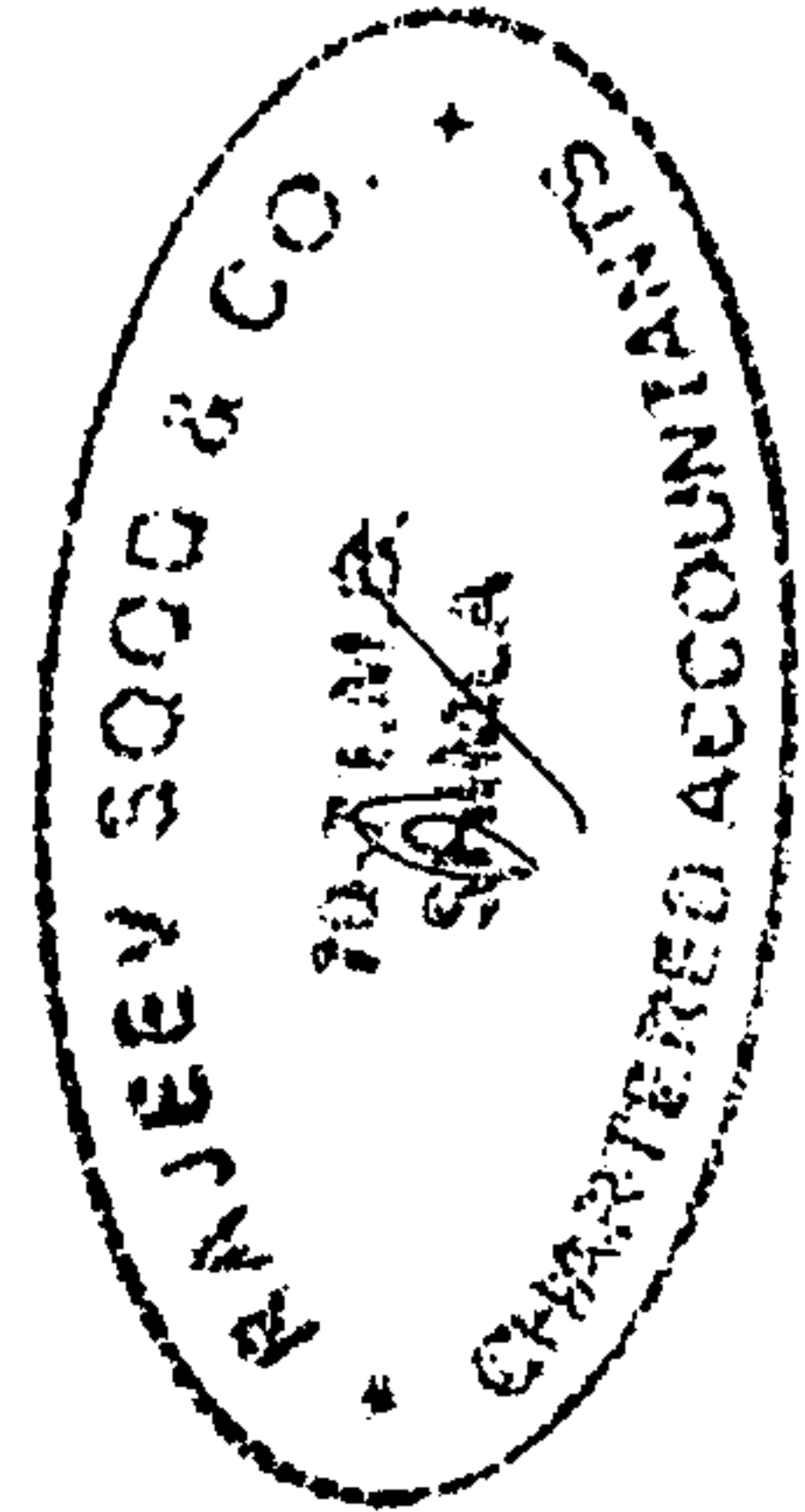
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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

OTHER LIABILITIES SCHEDULE - "I"

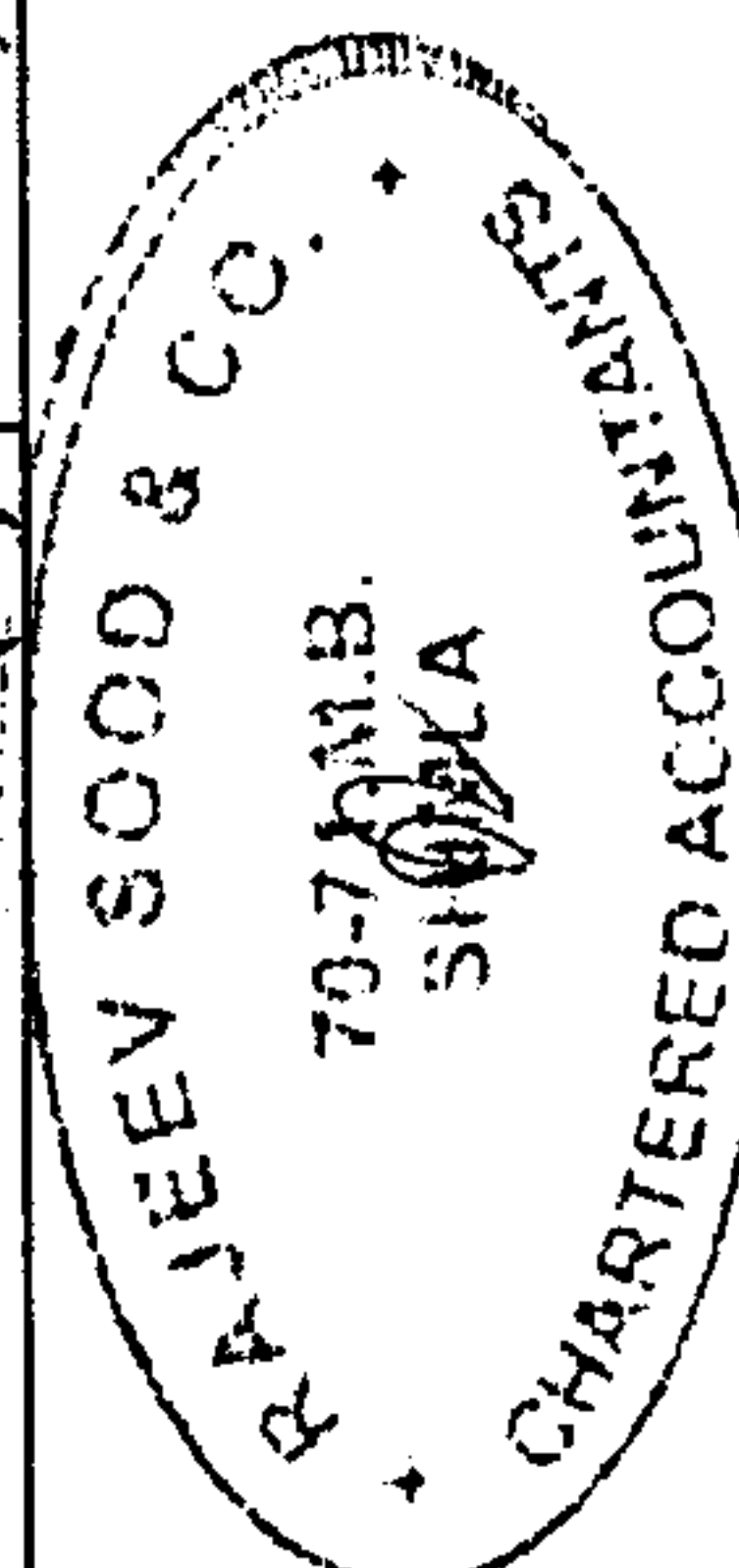
Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
Uncleared Cheques	10,448,095	13,552,746
Fee in Advance	47,416,909	47,116,703
Expenses Payable (A)	2,218,320	1,651,278
Salary & Allowances Payable (B)	4,526,904	6,738,908
T.D.S. Payable (C)	1,271,102	1,958,380
TOTAL OTHER LIABILITIES	65,881,330	71,018,015



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Annexure to Other Liabilities SCH "I"

Particulars	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
<u>Expenses Payable : (A)</u>		
Scholarships	435,311	220,810
Audit Fee	97,803	99,270
Electricity Expenses	1,647,565	1,296,827
Telephone Expenses	37,641	34,371
Sub-Total (A)	2,218,320	1,651,278
<u>Salary & Allowances Payable : (B)</u>		
Teaching Staff	3,720,873	5,483,209
Non-Teaching Staff	806,031	1,255,699
Sub-Total (B)	4,526,904	6,738,908
<u>TDS Payable : (C)</u>		
TDS - Advertisement	4,061	-
TDS - Contractor	116,733	103,261
TDS - Legal & Professional	331,697	252,066
TDS - Commission & Brokerage	1,521	-
TDS - Salary	817,090	1,603,053
Sub-Total (C)	1,271,102	1,958,380



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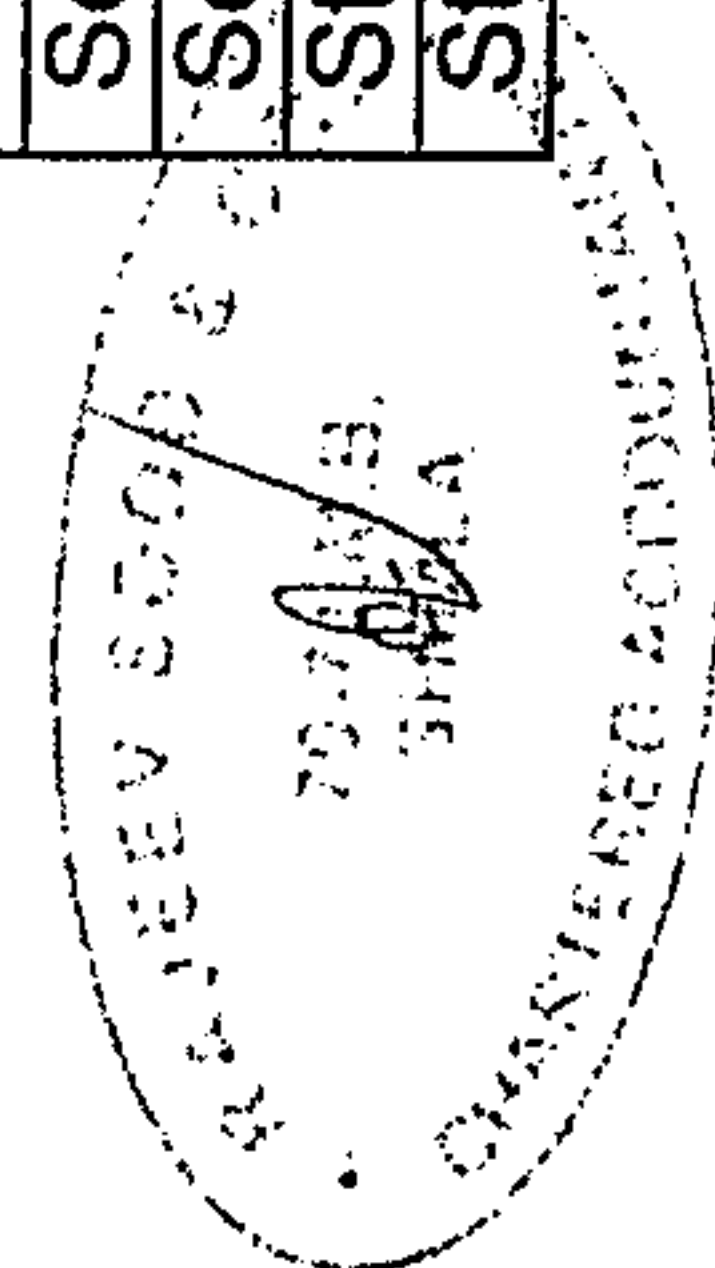
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

INSTITUTIONAL EXPENSES

SCHEDULE - "J"

Particulars	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
Admission Expenses including Advertisement	3,006,894	2,791,884
Audit Fee	100,337	110,300
Car Hire & Maintenance Charges	11,015	-
Conference & Seminar Expenses	1,083,979	3,119,167
Convocation Expenses	586,684	591,141
Dispensary Expenses	1,615,958	1,941,896
E-Journals & Periodicals	1,377,497	1,628,657
Electricity Expenses	6,297,155	6,424,026
Honorarium to Faculty	107,575	377,867
Institute Promotional Expenses	2,279,004	1,768,101
Insurance Expenses	554,305	522,152
Internet Charges	2,335,129	2,728,046
Laboratory Expenses	3,064,273	4,007,079
Lease Rent	103,380	168,321
Legal & Professional Charges	88,154	71,845
Meeting Expenses	120,865	-
Misc. Expenses	376,849	102,318
Payment to Technical Personnel	2,161,625	2,668,681
Placement Expenses	348,498	446,866
Postage & Telegram	55,418	116,886
Printing & Stationary	2,057,535	2,665,081
Prior Period Expenses	859,145	117,491
Rates & Taxes	52,625	10,967
Recruitment Expenses	831,236	602,025
Scholarship to Students	2,498,188	3,388,850
Security Expenses	2,870,101	2,880,111
Staff Welfare	1,113,579	1,019,987
Students Welfare	1,960,573	3,354,558

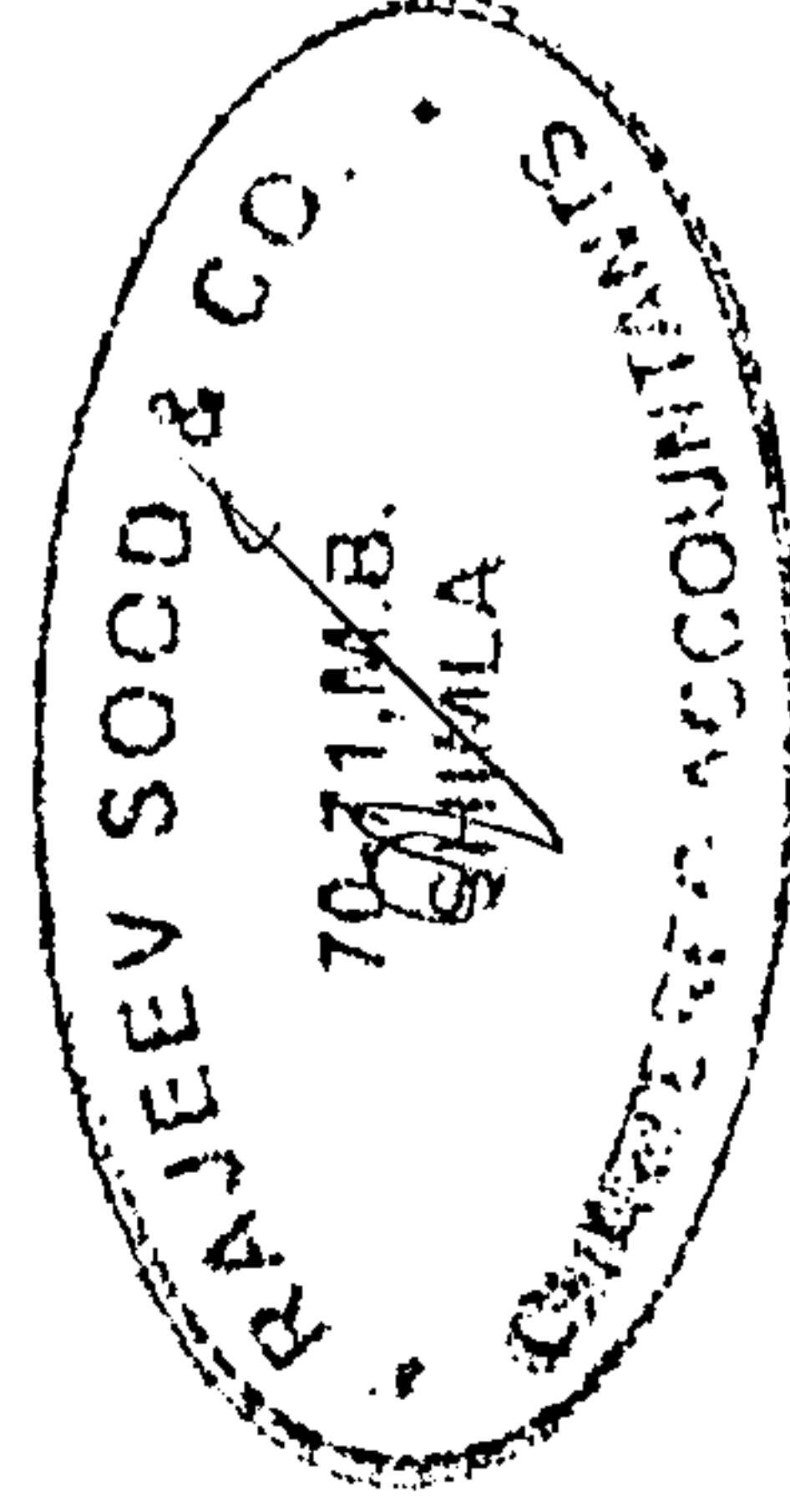


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INSTITUTIONAL EXPENSES

SCHEDULE - "J"

Particulars	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
Telephone Expenses	535,942	424,833
Travelling & Conveyance	607,041	859,745
Unreceivables Written off	-	29,744
Water Expenses	917,401	1,040,654
Repair & Maintenance		
- Civil Maintenance	818,410	2,703,543
- Equipment & machinery	2,115,742	762,114
- Furniture & fixture	52,206	112,141
- Horticulture Exps.	1,743,666	1,570,267
- Institute house Keeping	3,525,818	4,120,751
- Others	550,583	1,046,237
- Vehicles	2,549,580	1,916,511
- Water Supply Scheme	1,216,158	198,464
TOTAL INSTITUTIONAL EXPENSES	52,550,123	58,409,307



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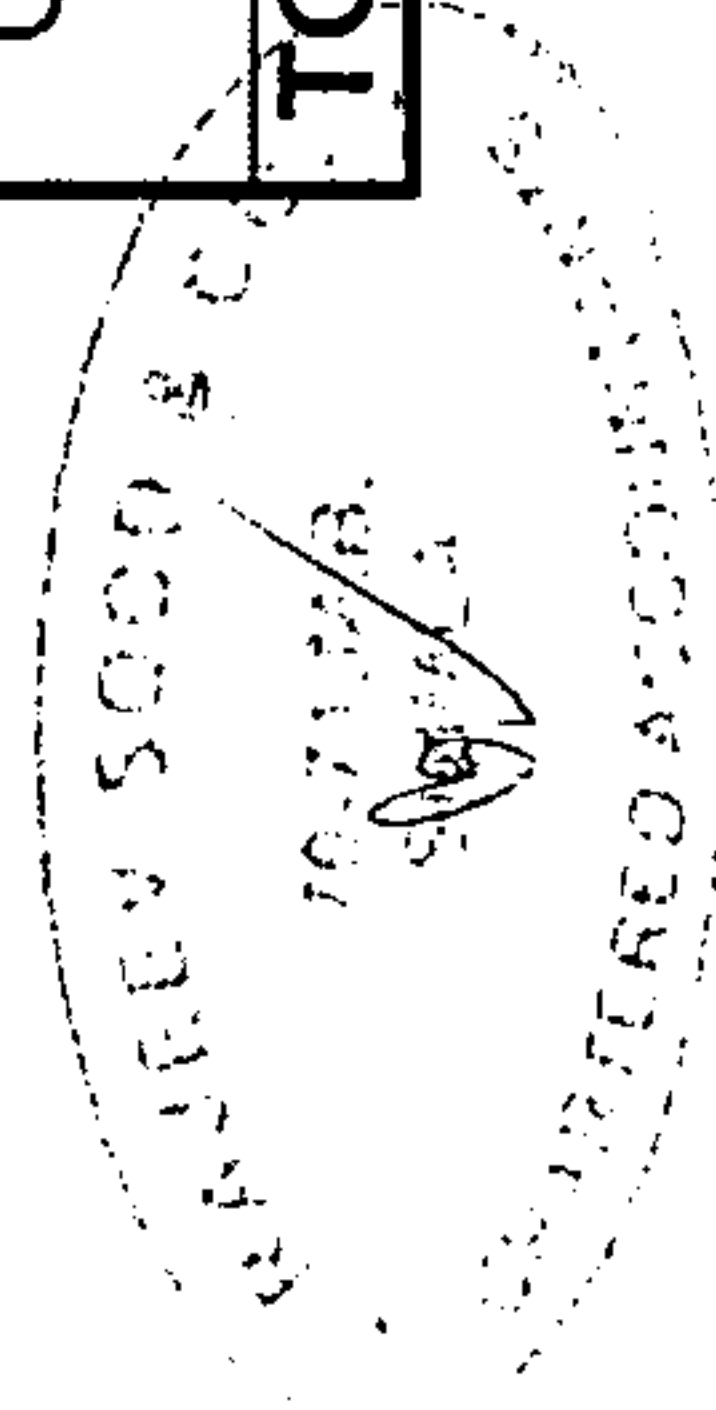
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

SALARY & ALLOWANCES

SCHEDULE - "K"

Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
<u>Teaching Staff :</u>		
Salary	38,616,586	53,250,253
Conveyance Allowance	2,819,953	3,555,599
H.R.A.	1,351,111	2,047,833
Medical Reimbursement	1,400,495	1,784,133
Leave Travel Assistance	1,341,927	1,709,172
Employers Contribution to Provident Fund	4,621,767	6,345,904
Gratuity	1,082,599	1,328,674
Other Allowances	10,415,843	14,371,131
Sub Total	61,650,281	84,392,699
<u>Non-Teaching Staff :</u>		
Salary	8,764,769	12,115,540
Conveyance Allowance	566,238	795,665
H.R.A.	605,222	922,447
Medical Reimbursement	356,354	501,906
Leave Travel Assistance	357,150	603,345
Employers Contribution to Provident Fund	1,148,729	1,633,794
Gratuity	221,737	424,973
Other Allowances	1,282,981	1,590,720
Sub Total	13,303,180	18,588,390
TOTAL SALARY & ALLOWANCES	74,953,461	102,981,089



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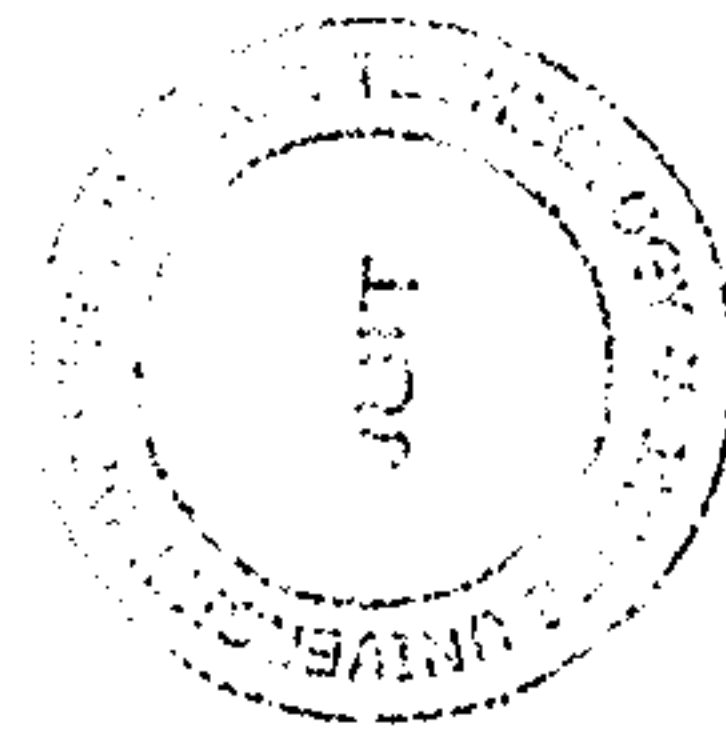
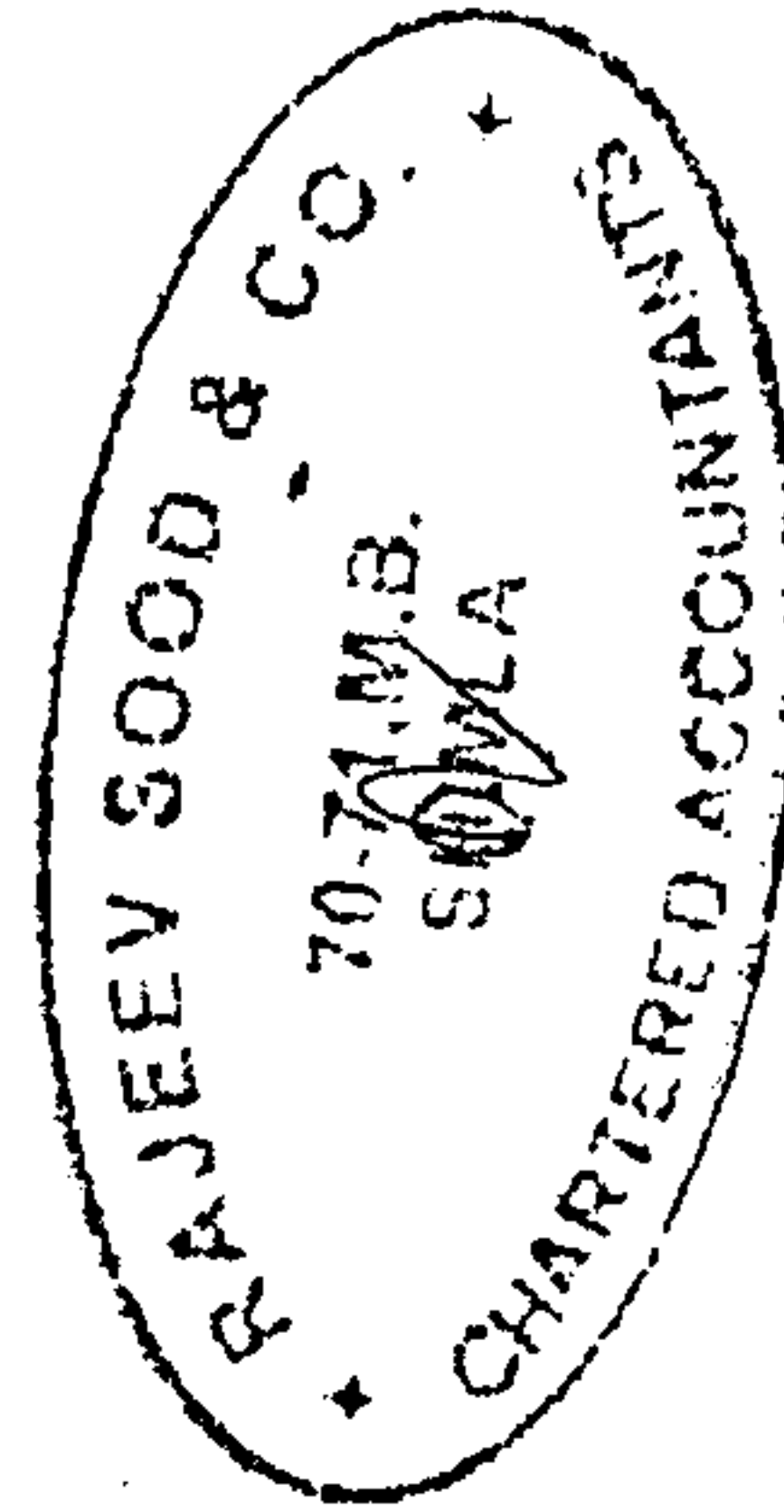
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

STUDENTS' HOSTEL EXPENSES

SCHEDULE - "L"

Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
Grocery & Eatables Consumed	24,248,444	29,949,875
Security Expenses	3,741,866	3,863,279
Electricity Charges	9,445,732	9,038,808
Water Charges	3,669,604	4,046,588
Housekeeping Expenses	9,363,639	10,326,349
Repair & Maintenance	153,579	1,242,364
Laundry Expenses	3,348,254	3,076,926
TOTAL STUDENTS HOSTEL EXPENSES	53,971,118	61,544,189



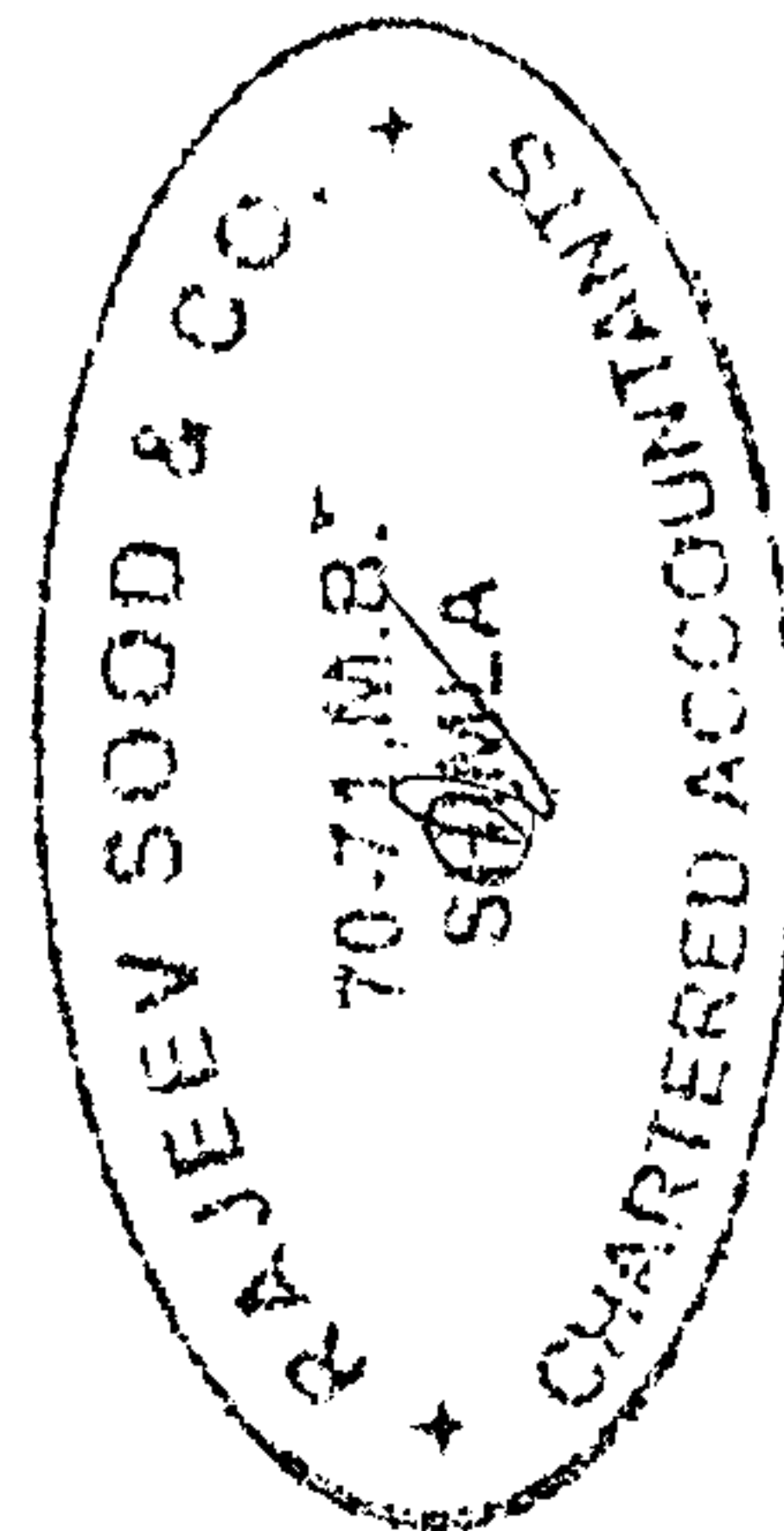
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

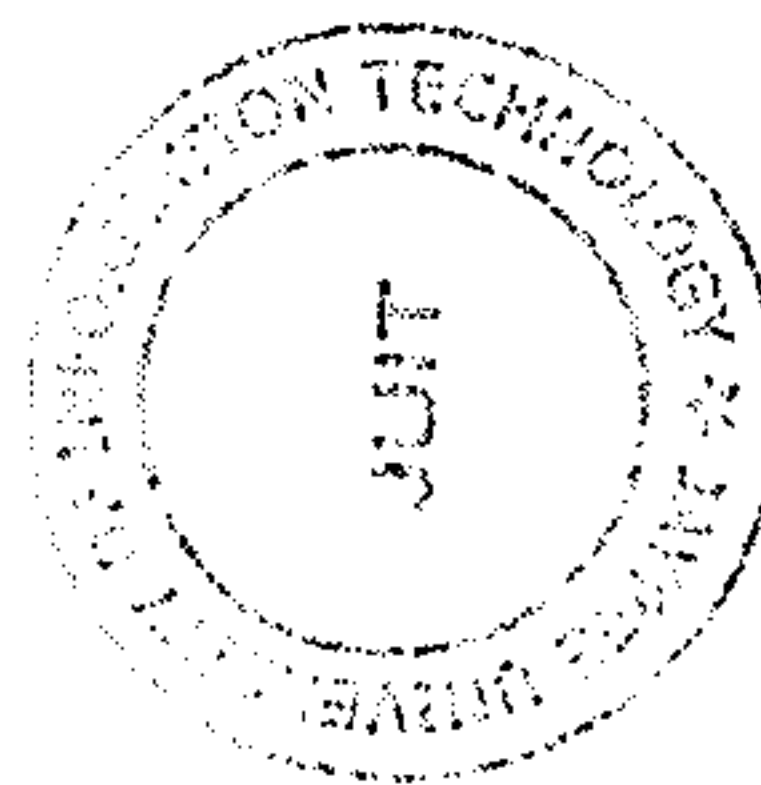
COLLECTION FROM STUDENTS

SCHEDULE - "M"

Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
Tuition Fee	112,342,943	139,260,930
Hostel Fee	84,671,471	92,386,771
Sundry Charges for :- Late Registration, Grade Sheets, I Card & Library Dues	559,330	947,426
Admission Forms Charges	7,628,761	6,026,755
Tuck Shop Charges	3,814,003	4,729,447
Affiliation Charges	272,600	302,100
Mess Charges	4,479,056	5,409,354
Fee Written off	(316,222)	(525,971)
TOTAL COLLECTION FROM STUDENTS	213,451,942	248,536,812



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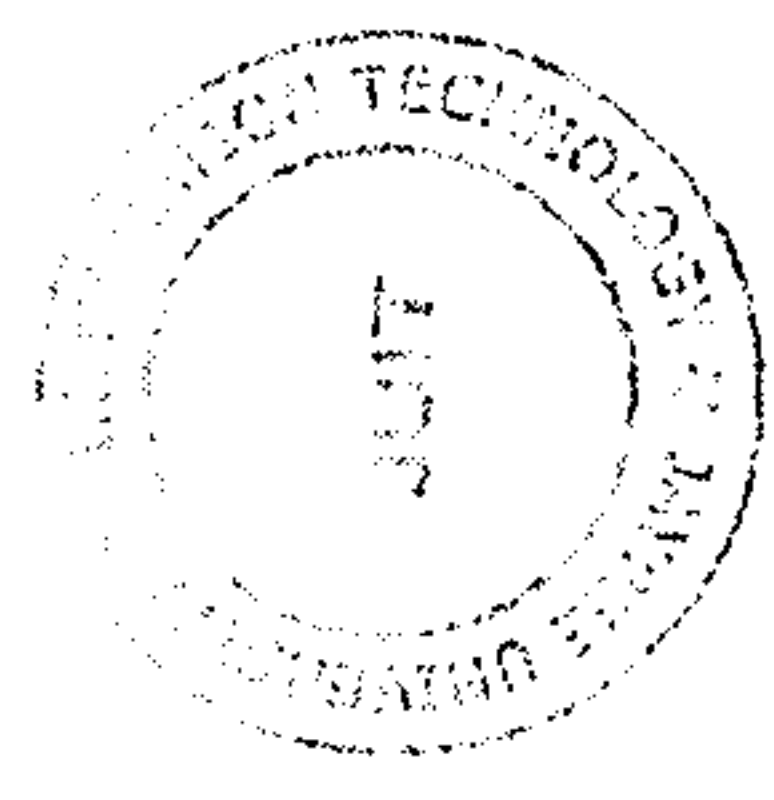
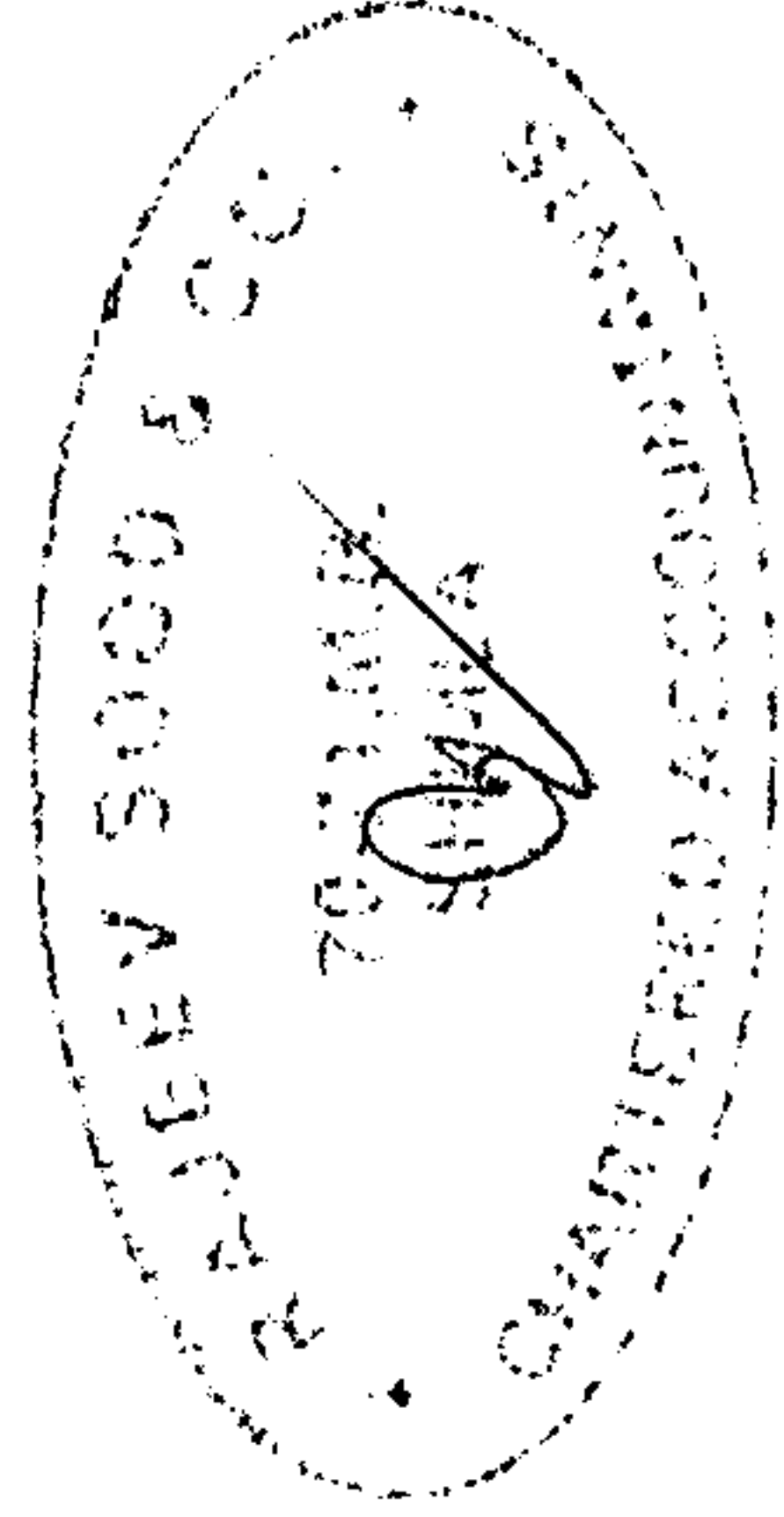
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

INTEREST RECEIVED

SCHEDULE - "N"

Particulars	Amount (Rs.)	Amount (Rs.)
	31.03.2009	31.03.2010
Orental Bank of Commerce -Solam	607,993	500,954
Punjab National Bank -Shimla	30,581	34,335
Punjab National Bank -waknaghat	5,087,504	622,303
State Bank of Patiala-Waknaghat	2,189,097	989,876
State Bank of Patiala- Noida	116,615	32,387
IDBI Bank -Noida	-	4,783,294
IDBI Bank -Noida(UBSK)	926,972	1,010,391
Less Interest Accrued	(697,819)	(717,145)
TOTAL INTEREST RECEIVED	8,260,943	7,256,395



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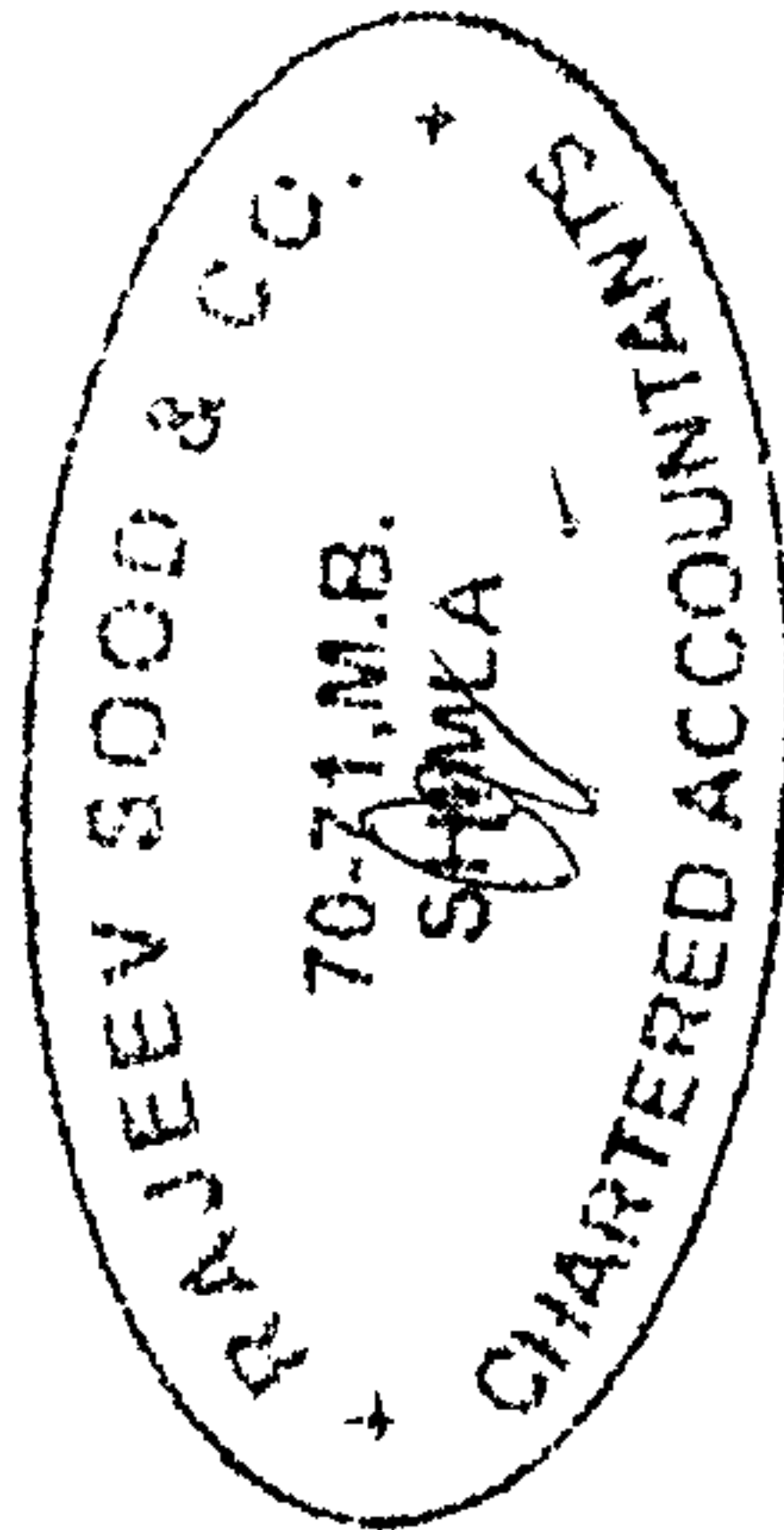
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

FINANCIAL YEAR 2009-10

OTHER INCOME

Particulars	SCHEDULE - "O"	
	Amount (Rs.) 31.03.2009	Amount (Rs.) 31.03.2010
Overhead Charges for Research Projects	575,200	414,838
Registration charges for Conference & Seminars	93,500	390,313
TOTAL OTHER INCOME	668,700	805,151

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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

Waknaghat, Distt-Solan

FINANCIAL YEAR 2009-10

SIGNIFICANT ACCOUNTING POLICIES AND NOTES ON ACCOUNTS ANNEXED TO AND FORMING PART OF BALANCE SHEET.

I. BACK GROUND

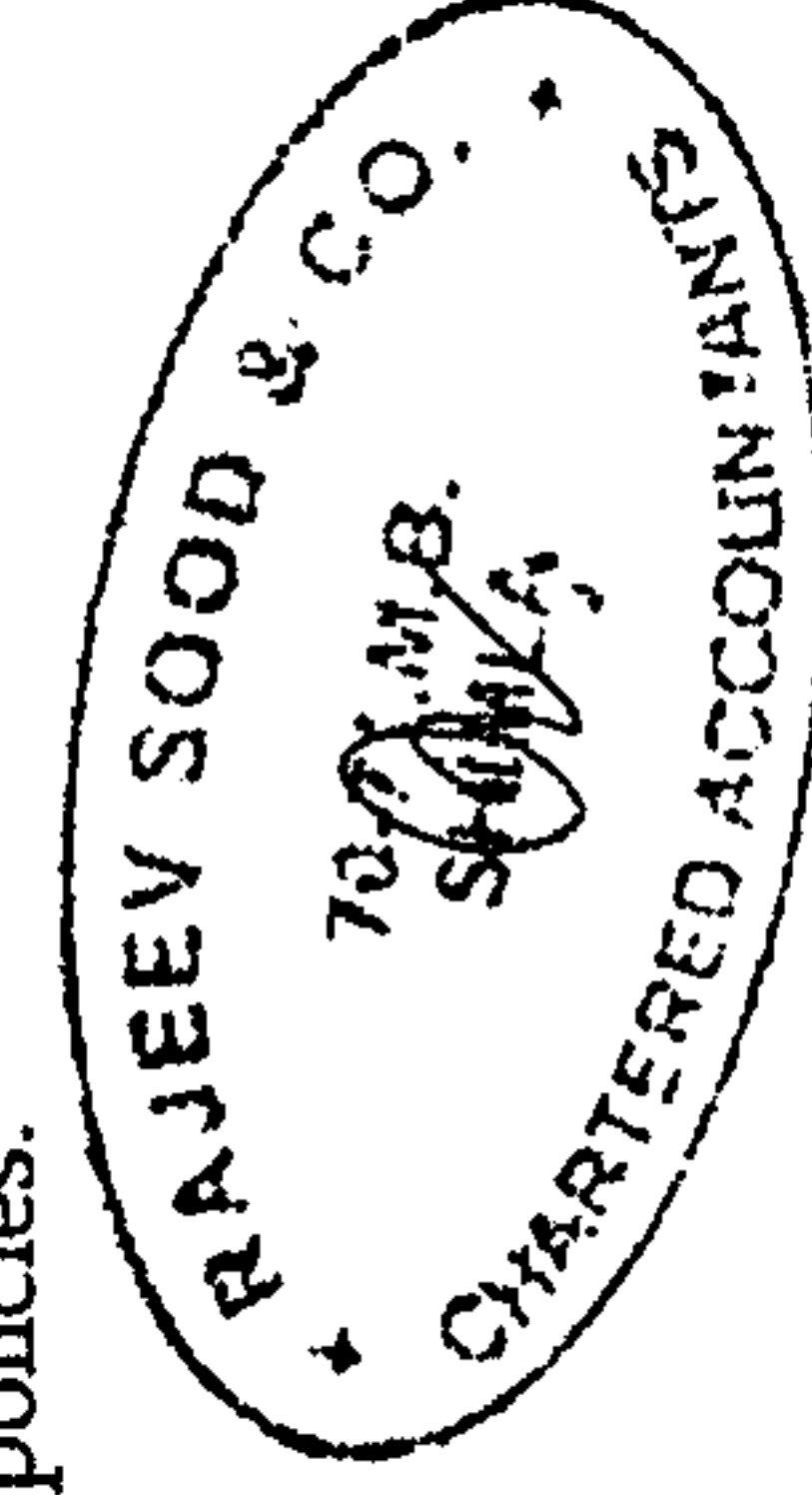
The Jaypee University of Information Technology, with its Seat at Waknaghat, District Solan, Himachal Pradesh, , is established under section 3 of Jaypee University of Information Technology Act No.14/ of 2002, as assented to by the Governor on 22nd May 2002. The University is registered U/sec 12A of the Income Tax Act'1961 and notified U/sec 10(23C) (VI) of Income Tax Act' 1961.

The University continues to run on "Not for Profit" basis and is offering technical education to the students by teaching, research, training and extension activities.

II. SIGNIFICANT ACCOUNTING POLICIES

a) GENERAL:

The Accounts have been prepared under mercantile system of accounting as per historical convention to meet with the requirements of clause 20 (1) and (2) of Act no.14 of 2002 of JUIT Act and the requirements of the Income Tax Act 1961 and recognized accounting policies and practices including the Accounting Standards issued by the Institute of Chartered Accountant of India to the extent applicable , except otherwise stated. Accounting policies not specifically referred to otherwise be consistent and in consonance with generally accepted accounting policies.



b) Corpus Fund for Research Promotion: (Unnat Bharat Shodh Khosh)

A Corpus Fund of Rs.1,01,55,000 has been established during financial year 2007-08 to promote re-search activities and increasing interaction with industries for enhancing sponsored projects. This fund has been created with donations from IIIT Noida (Rs.35,05,000/-), JUIT Wagnaghat (Rs.35,00,000) and JUET Guna (Rs.20,00,000/-). Executive Chairman and Directors of Jaypee Group of Companies have also donated totaling to Rs.11,50,000/- to the said Corpus Fund. This fund is meant to be utilised for promoting research work and developing synergy between institutions and industry in resolving pressing industrial problems on emerging concerns for improving productivity, quality and efficiency in existing technologies. The said fund has not been utilised yet due to un-availability of any befitting project.

c) USE OF ASSETS

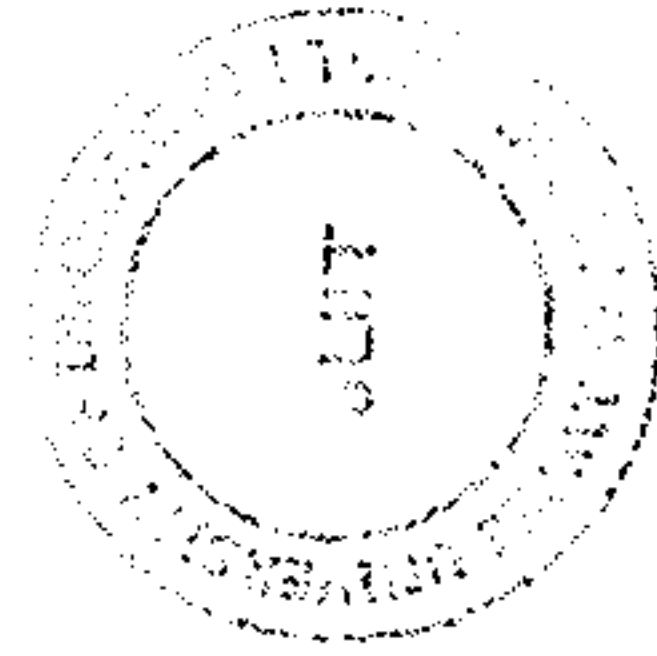
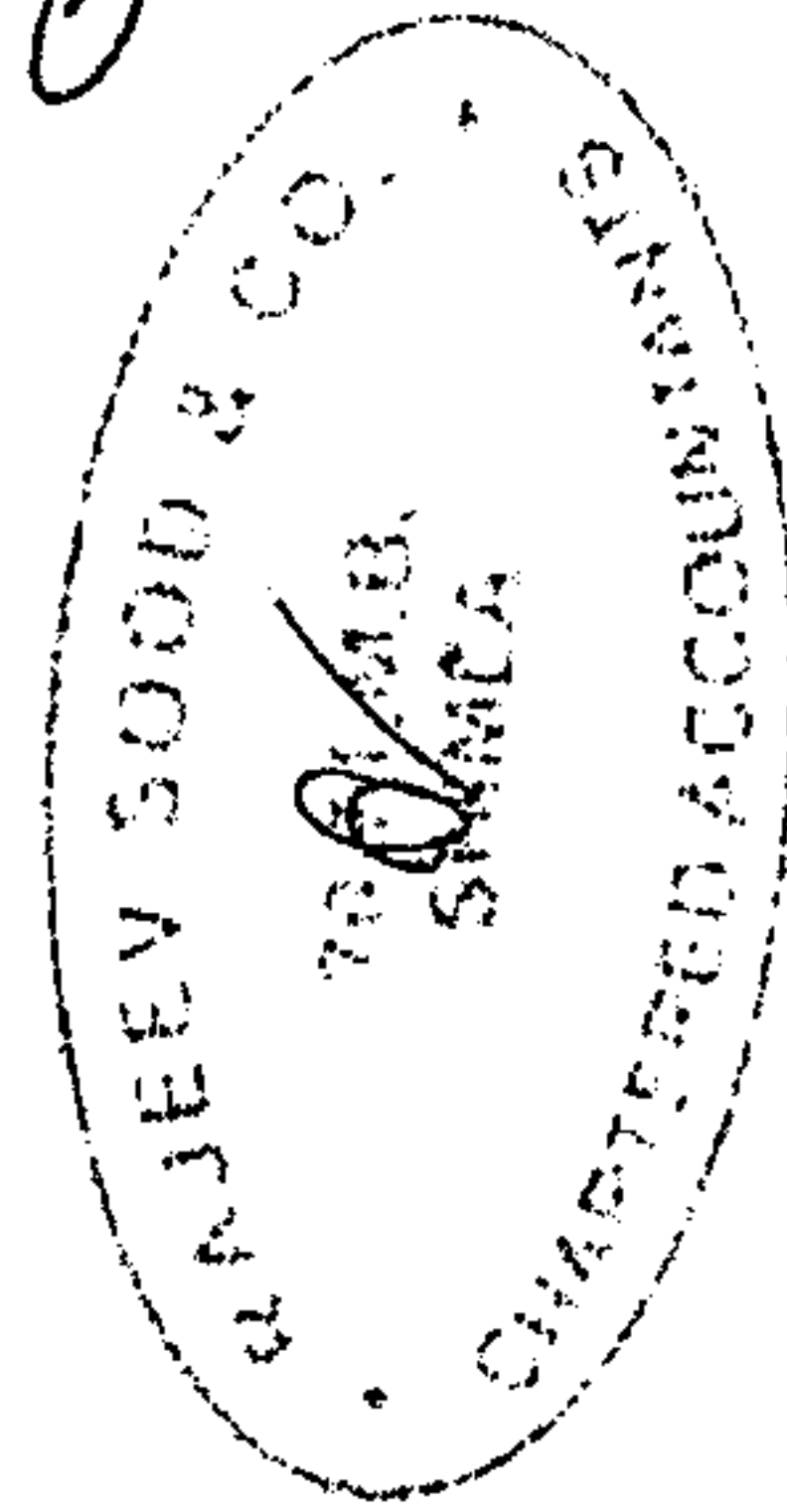
Buildings and other immovable infrastructures of JUIT Wagnaghat and Jaypee Polytechnic and Training Center, Samirpur has been provided by Jaiprakash Sewa Sansthan (JSS) as per statutory obligation pursuant to the agreement dated 25.03.2002 between Government of Himachal Pradesh and Jaiprakash Sewa Sansthan (JSS). University is not paying any rent and/or usage charges etc to JSS and depreciation of such assets is being claimed by JSS as the same are owned by them.

d) FIXED ASSETS

Fixed assets other than those provided by JSS are stated at cost of acquisition inclusive of freight and other incidental expenses.

e) DEPRECIATION

Depreciation on fixed assets has been provided on written down value as per the classification and on the basis of provisions of income tax act, 1961.



f) INVENTORY

Inventory of consumables like grocery & eatables, laboratory consumables, stores & spares are valued at cost or net realizable value whichever is less. Inventory of diesel is valued at yearly weighted average basis.

g) CLAIMS RECEIVABLE

Claims like, Tax Deducted at Source (TDS) is accounted for on receipt basis & till the time of such receipt it is being shown as receivables. Accordingly refunds received from Income Tax Deptt. in May 2010 and July 2010 against the amount already deposited pertaining to A.Y 2005-06, 2006-2007 and 2007-2008 amounting to RS.1,09,75,565/- shall be taken in the books of accounts in F.Y 2010-11

h) CONTINGENT LIABILITIES-- NIL

i) INCOME:

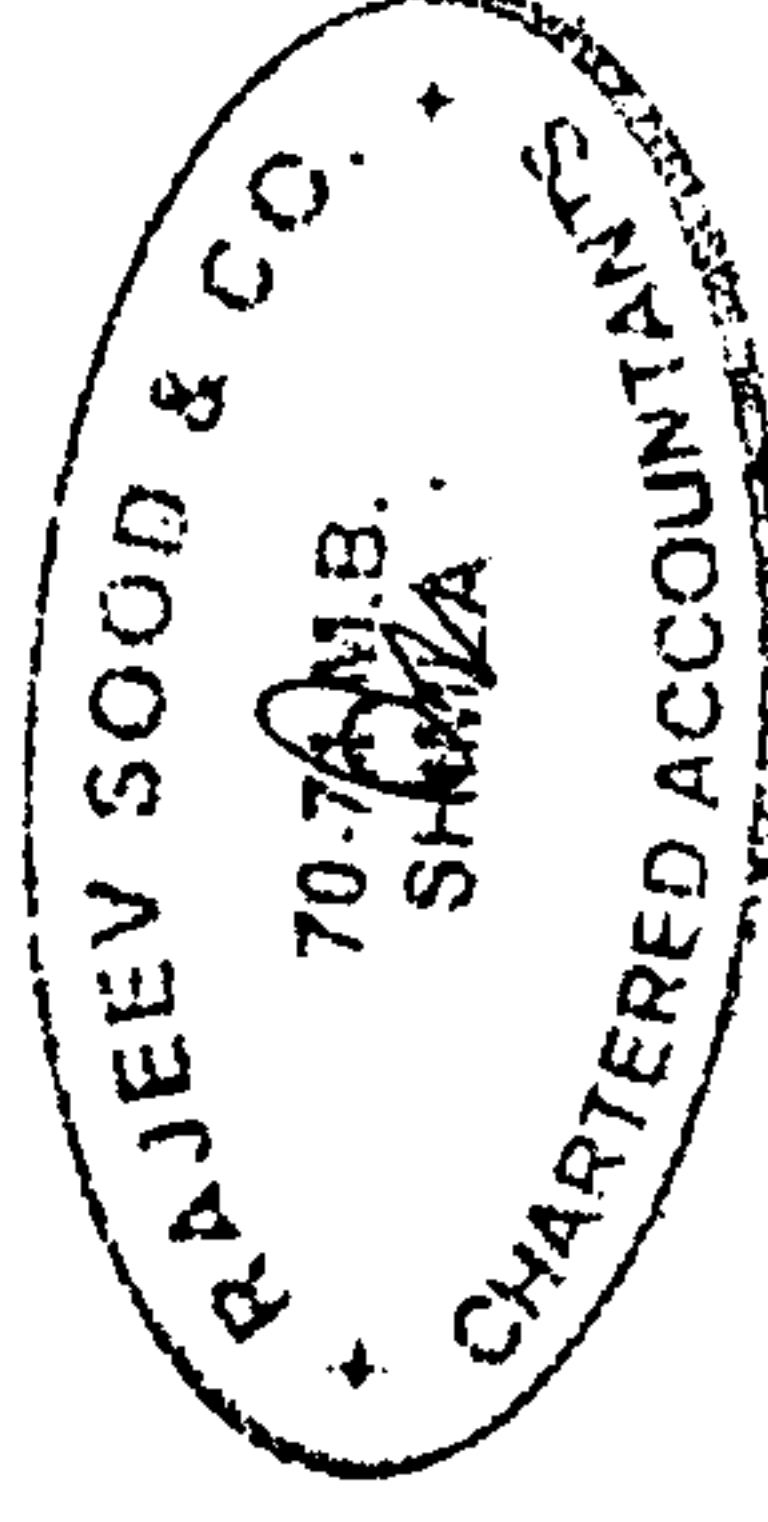
Tuition and Hostel fees collected from students for a semester have been prorated over the period of semester. The prorated fees from April'10 to May'10 have been considered as "Advance Fee". Other charges recovered from students and revenue on account of sale proceeds of Admission Forms and other Sundry Charges have been accounted in the year of receipt.

j) EMPLOYEES BENEFITS

Short term employee benefits are recognized as an expense in the Income & Expenditure account of the year in which the related service is rendered. Provision for post employment and other long term employee benefits including retirement benefits are being provided in the Income & Expenditure account for the year as per actuarial valuation techniques, worked out by qualified and certified valuers.

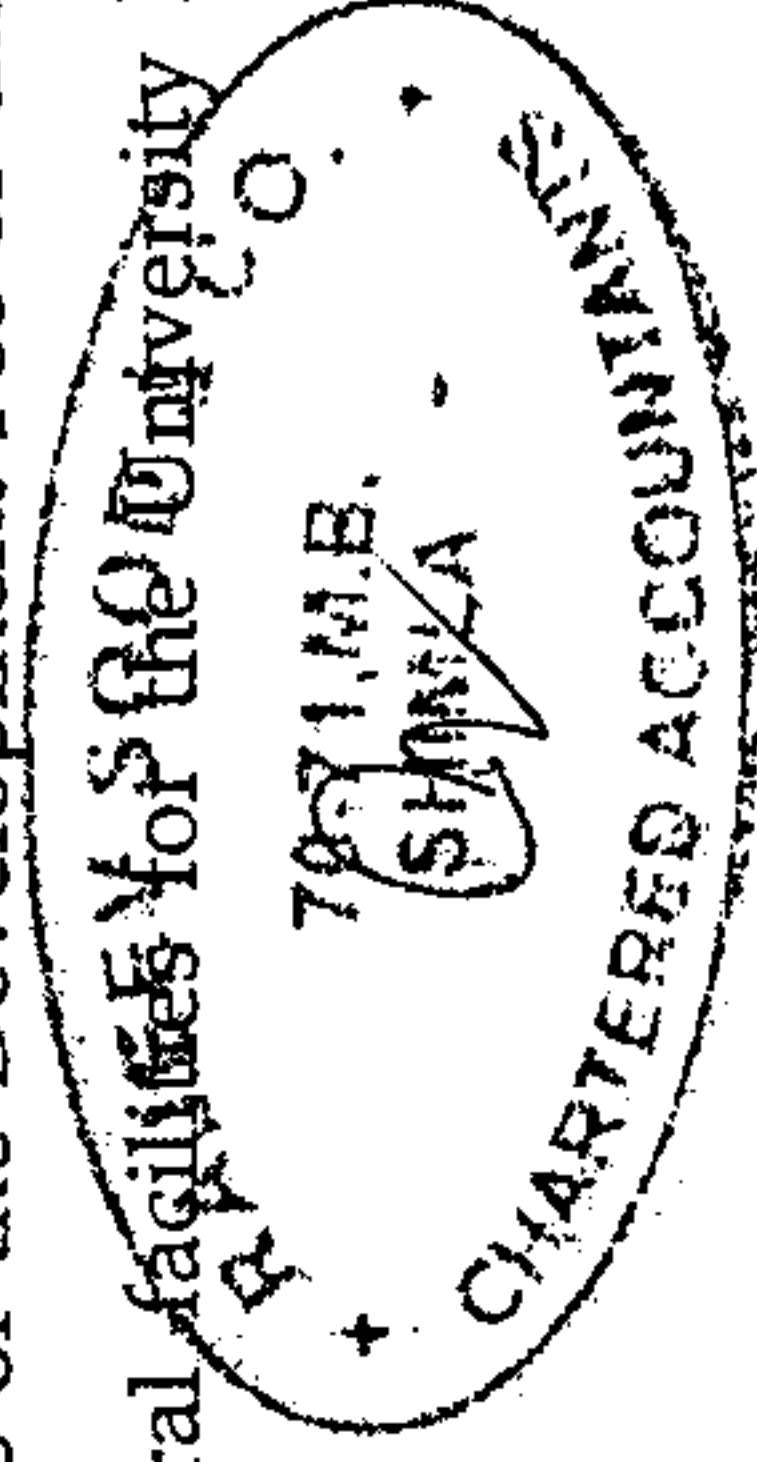
k) FOREIGN CURRENCY TRANSACTIONS:

Transactions in foreign currency are mostly for fees received. In some cases payment / receipt of registration fees for International conferences, seminars, workshops etc. is also done. Refund of fee pertaining to NRI sponsored students and for services rendered by consultant in foreign country are also made in foreign currency. These transactions are recorded at the exchange rate prevailing on the date of transactions and refunded to the Remitter.



III. NOTES ON ACCOUNTS

1. Most of the balances in parties' accounts have been confirmed from the parties concerned.
2. Immovable infrastructure facilities, as per the agreement, have been provided by Jai Prakash Sewa Sansthan (JSS). Neither any payment is due nor any payment is made to them towards rent, usage charges and interest etc.
3. Funds received from various Government Authorities for utilization in various projects as directed by the Authorities on their behalf has been shown under "Research Project's Fund". Details of utilization of Project's Fund during the year is indicated in Table (1) enclosed herewith. In order to complete the project/development programs in some cases, university continued with expenditure without waiting for the funds to be received from the project authorities. JUIT has taken follow up action with the concerned authorities for reimbursement of the excess expenditure incurred towards the projects for which assurances/commitments have been received. However the same have not yet been acknowledged by the authorities concerned.
Excess expenditure related to DST(IT) Project has been written off since the same is no longer recoverable and JIL(IT) has been debited accordingly. There is no impact on Income and Expenditure account of the University.
4. Previous year's figures have been regrouped/rearranged or reclassified wherever found necessary to have conformity with current year's classification.
5. Fixed deposits with banks are being shown inclusive of interest accrued as per certificates given by the respective banks. Interest accrued on FDRs as on 31.03.09 has also been spread over to respective FDRs.
6. This University has been setup under an agreement dated 25.03.2002 between Govt. of H.P. and the Jai Prakash Sewa Sansthan (JSS). This agreement is recognized and ratified by the JUIT Act.2002 passed by the Legislative Assembly of Himachal Pradesh which has been assented to by the Governor on 22nd May 2002. As per Govt. of India Resolution for Fee Structure 1997, Development Fee is chargeable to the students for developing infrastructural facilities for the University. It also provides Capital Cost recovery to the promoter up to 50% of the proceeds of the Development Fee or the actual Capital Cost whichever is lower. Since JSS is statutorily bound to develop the infrastructural facilities for the University like Instructional Buildings, Library Buildings, Hostels, Roads



Laboratories etc, the IDF is paid by the students directly in favour of JSS. It is further certified that no amount has been appropriated, so far, towards Capital Cost recovery. Thus JUIT is only a facilitator for receipt of IDF on behalf of JSS. However, in certain cases, students, by mistake, brought the DDs /Cheques in favour of JUIT which in turn credited the account of JSS to that extent. All the transactions in the ledger account in our books with JSS are reconciled. The amount received from students towards IDF is neither a loan nor deposit from JSS and the amount paid to JSS is not a repayment as the funds never belonged to the University. As such the proviso of section 269 SS & T are not applicable. Further we certify that the payments to interested parties for purchases and services are made at arm's length price, and the terms & conditions are not prejudicial to the interest of the University. Further no benefit has been passed on directly or indirectly to these specified persons.

7. In respect of Diploma courses being conducted by JUIT at the campus of Jaypee Industrial Training Centre (JITC) Samirpur being run by J.S.S. common expenses like Electricity, House Keeping, Security, Maintenance, Horticulture, etc. have been apportioned in the ratio of students enrolled .

8. Figures have been rounded up to nearest rupees.

For RAJEEV SOOD & CO
CHARTERED ACCOUNTANTS

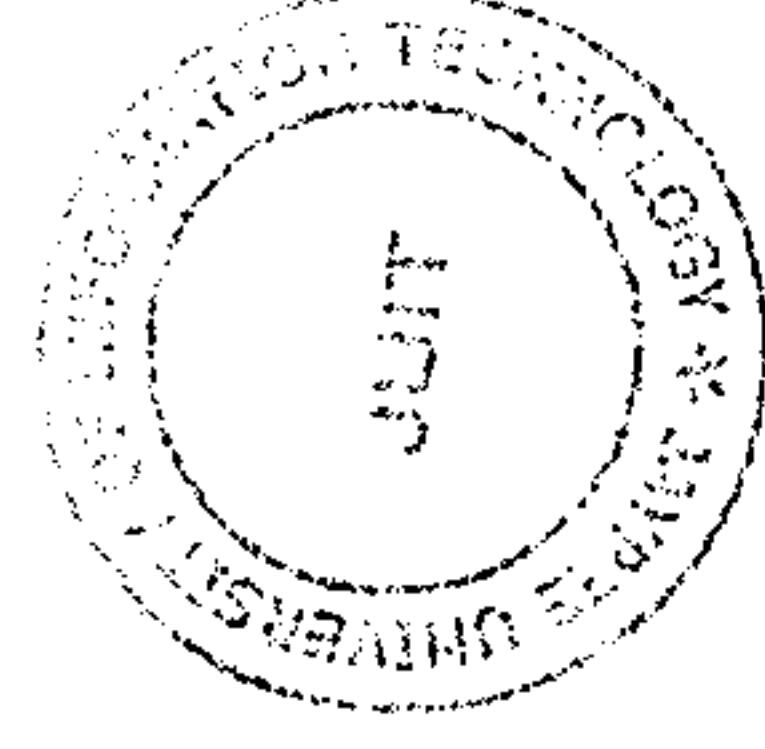
(RAJEEV SOOD)
Partner

(Vice Chancellor)

(Registrar)

(Finance Officer)

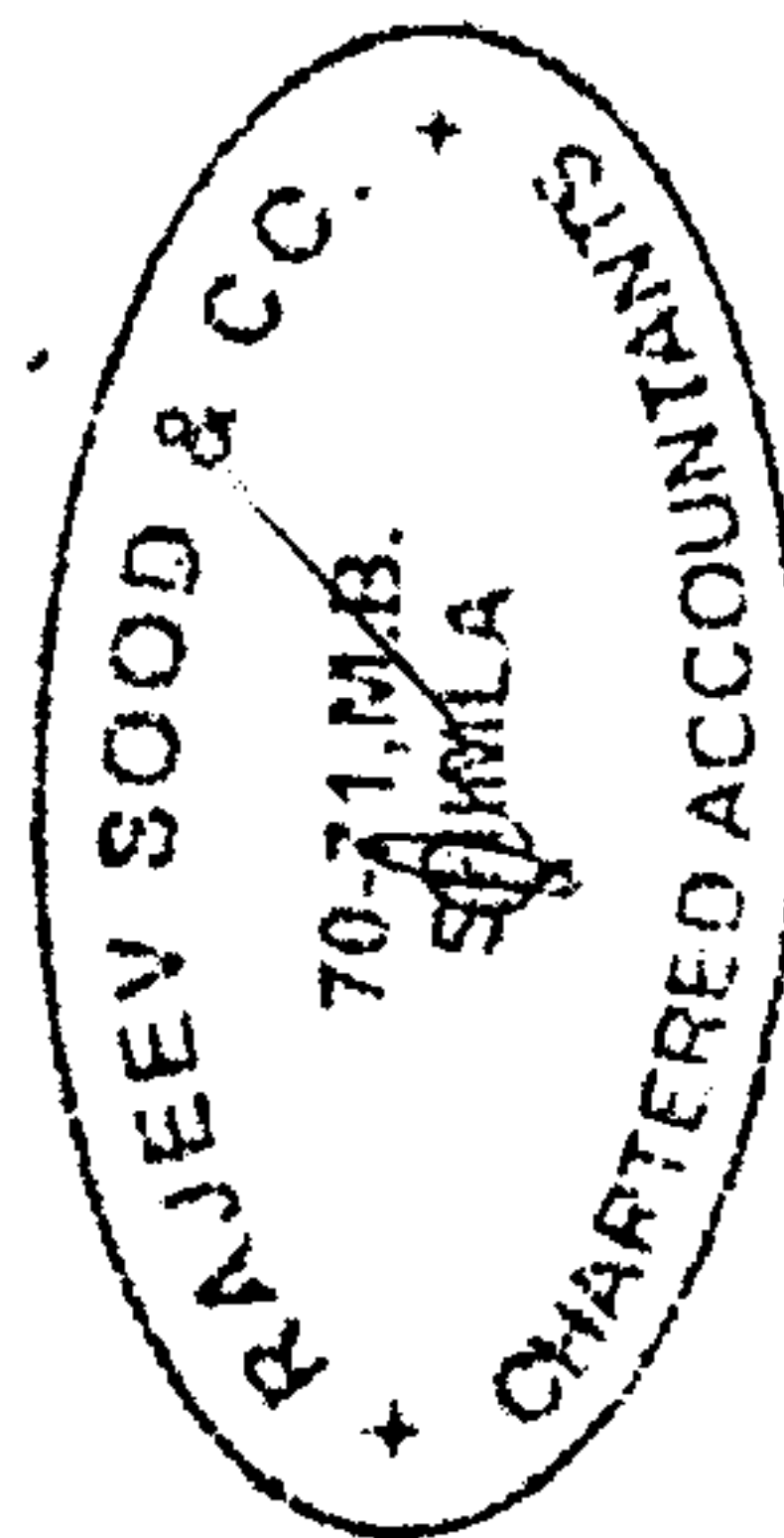
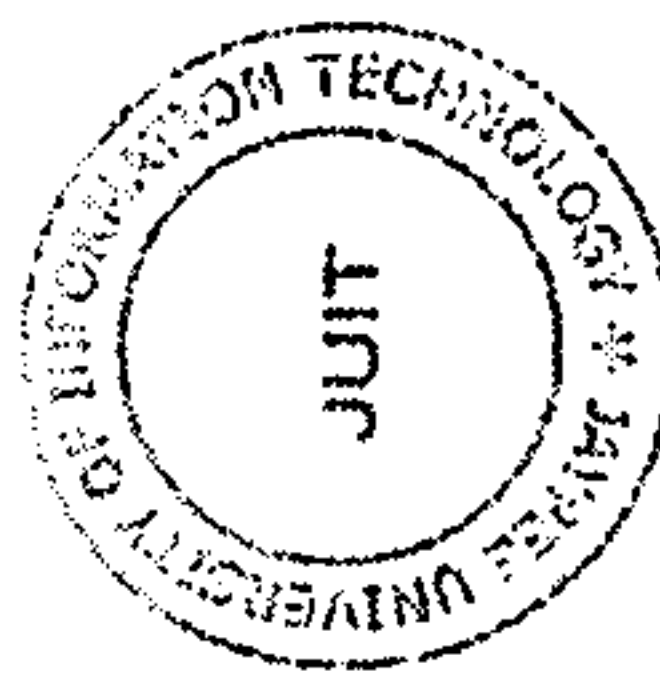
for JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY



PLACE: Wagnaghat
DATE: 22.06.10

TABLE - 1

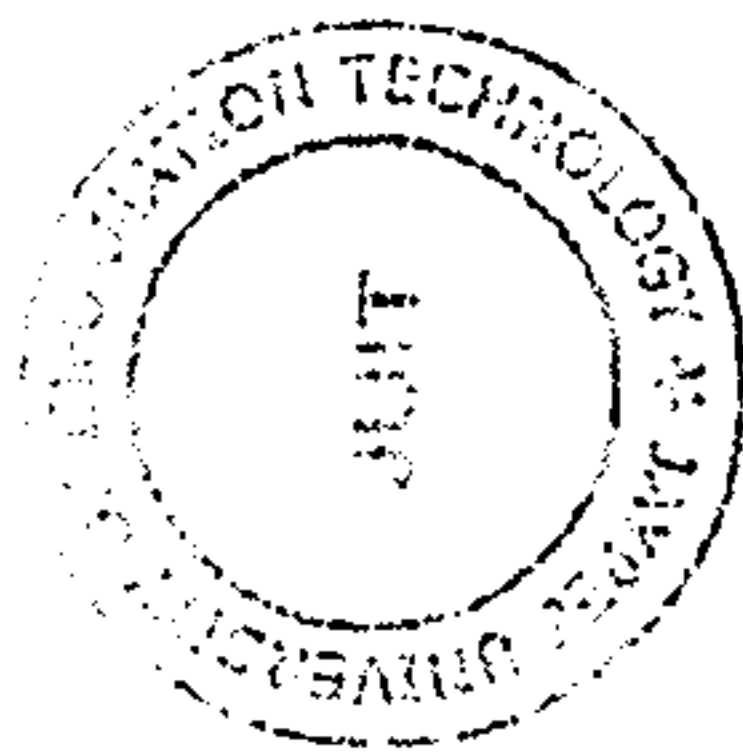
Particulars	Opening Balance on 01.04.08 (Rs.)	Received during the year (Rs.)	Utilization During the year			Closing Balance on 31.03.09 (Rs.)
			Revenue Expenditure	Capital expenditure	Total	
DST, GOI (Dr Pradeep Naik)	-158964	-	-	-	-	-158964
DST, GOI (Dr C Tandon)	151016	-	76971	-	76971	74045
DST (IT)	-146264	-	-	-	-	-
AICTE Staff Development Program (Dr Gargi Dey)	-70751	-	-	-	-	-70751
AICTE Staff Development Program (Dr Sunil Khah)	-73404	-	-	-	-	-73404
SCSTE, Govt. of H.P.	5000	-	-	-	-	5000
Bioconservation Project (Dr R S Chauhan)	59391	92391	151581	-	151581	201
DBT Bioprospecting Project (Dr R S Chauhan)	66240	755000	447559	-	447559	373681
DBT Jatropa Project (Dr R S Chauhan)	134453	1170000	504357	-	504357	800096
DRDO, GOI (Dr R S Chauhan)	48033	-	241129	-	241129	-193096
DBT (Dr C Tandon)	54754	341000	379406	-	379406	16348
MOEF (Dr Sudhir Syal)	1766	-	216884	-	216884	-215118



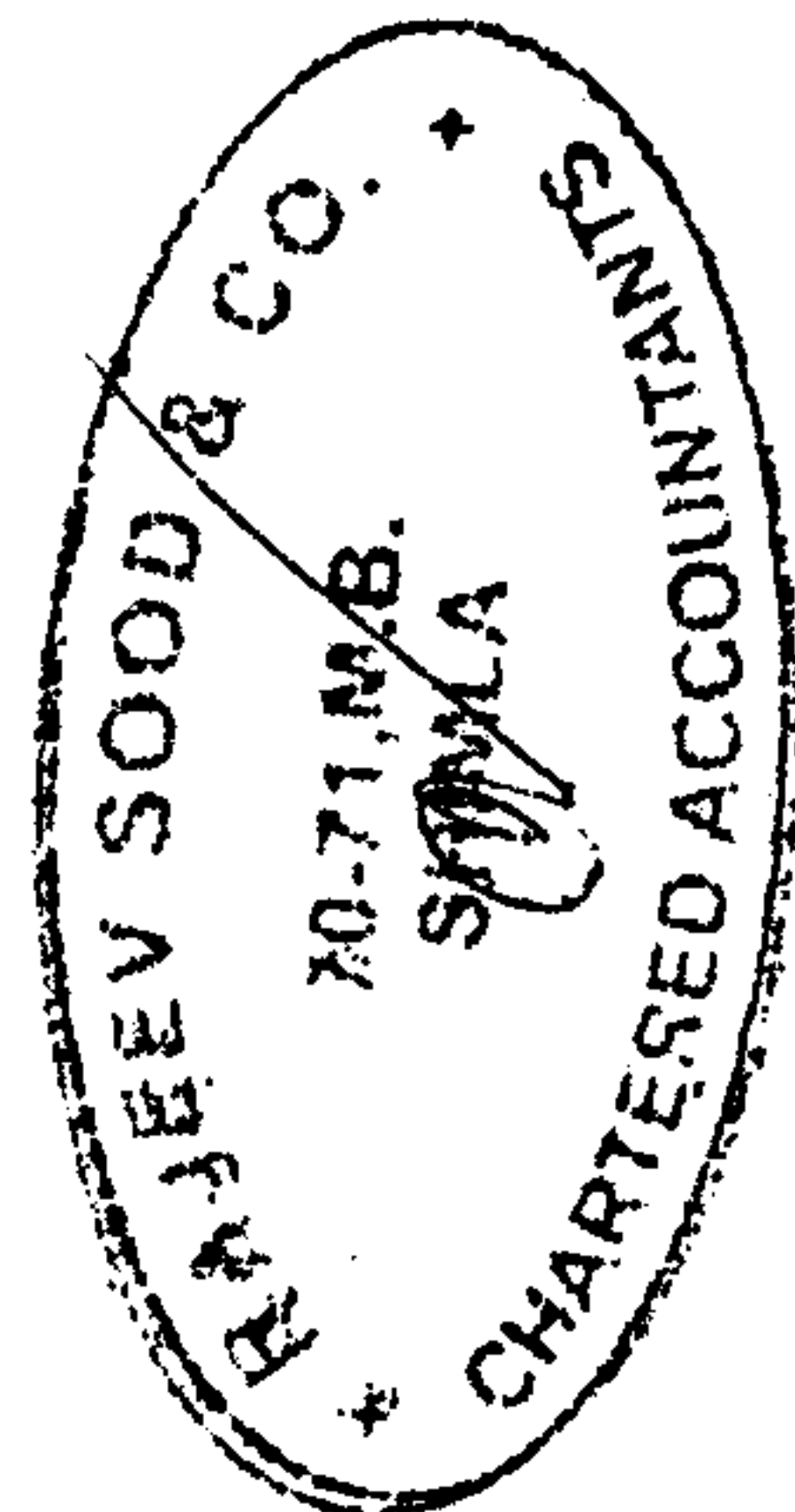
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TABLE - 1 (Contd.)

Particulars	Opening Balance on 01.04.08 (Rs.)	Received during the year (Rs.)	Utilization During the year			Closing Balance on 31.03.09 (Rs.)
			Revenue Expenditure	Capital expenditure	Total	
Min of Health and Family Welfare (AYUSH) (Dr R S Chauhan)	700000	-	373184	200000	573184	126816
DRDO, GOI (Dr Roma Sarkar)	458619	-	321109	49977	371086	87533
CSIR (Ms Sangeeta Thakur)	600	251919	252389	-	252389	130
CSIR (Ms Sangeeta Thakur)	-85000	89410	4410	-	4410	-
HP AIDS Society	0	2500	-	-	-	2500
ICMR,GOI (C.Tandon)		376468	295471	-	295471	80997
DRDO,GOI(P.K.Naik)		713978	340566	332800	673366	40612
DST(Dr.Nitin)		75322	75322	-	75322	-
DST (Mr. Vivek)		54243	54243	-	54243	-
DBT,GOI (Dr.Manu Sharma)		278000	60416	-	60416	217584
DST (Ms.Shipra Sharma)		68045	68045	-	68045	-
DRDO,GOI (C.Rout)		-	72000	-	72000	-72000
TOTAL	1145489	4268276	3935042	582777	45,17,819	895946



(Abbreviations: DST- Department of Science and Technology, DBT- Department of Biotechnology, Govt. of India, AICTE- All India Council for Technical Education, MOEF Ministry of Environment and Forest, DRDO - Defense Research Development Organization, CSIR- Council for Scientific and Industrial Research, SCSITE - State Council for Science, Technology and Environment).

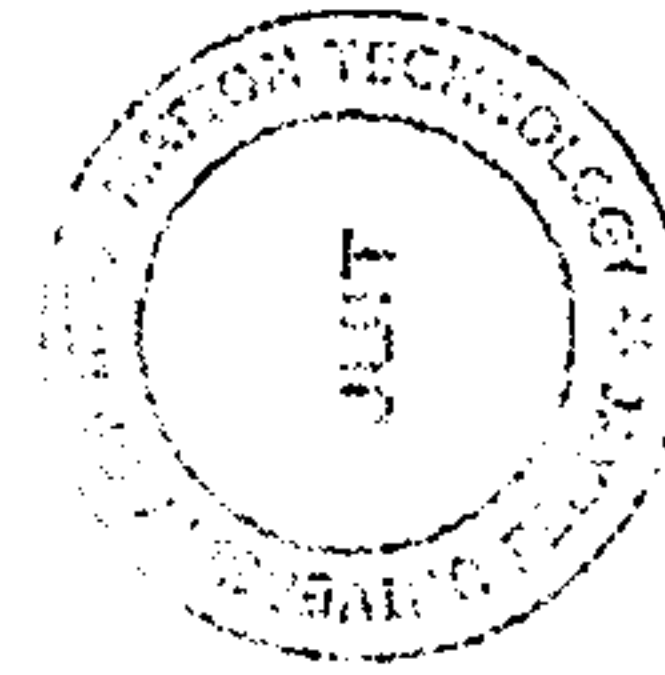
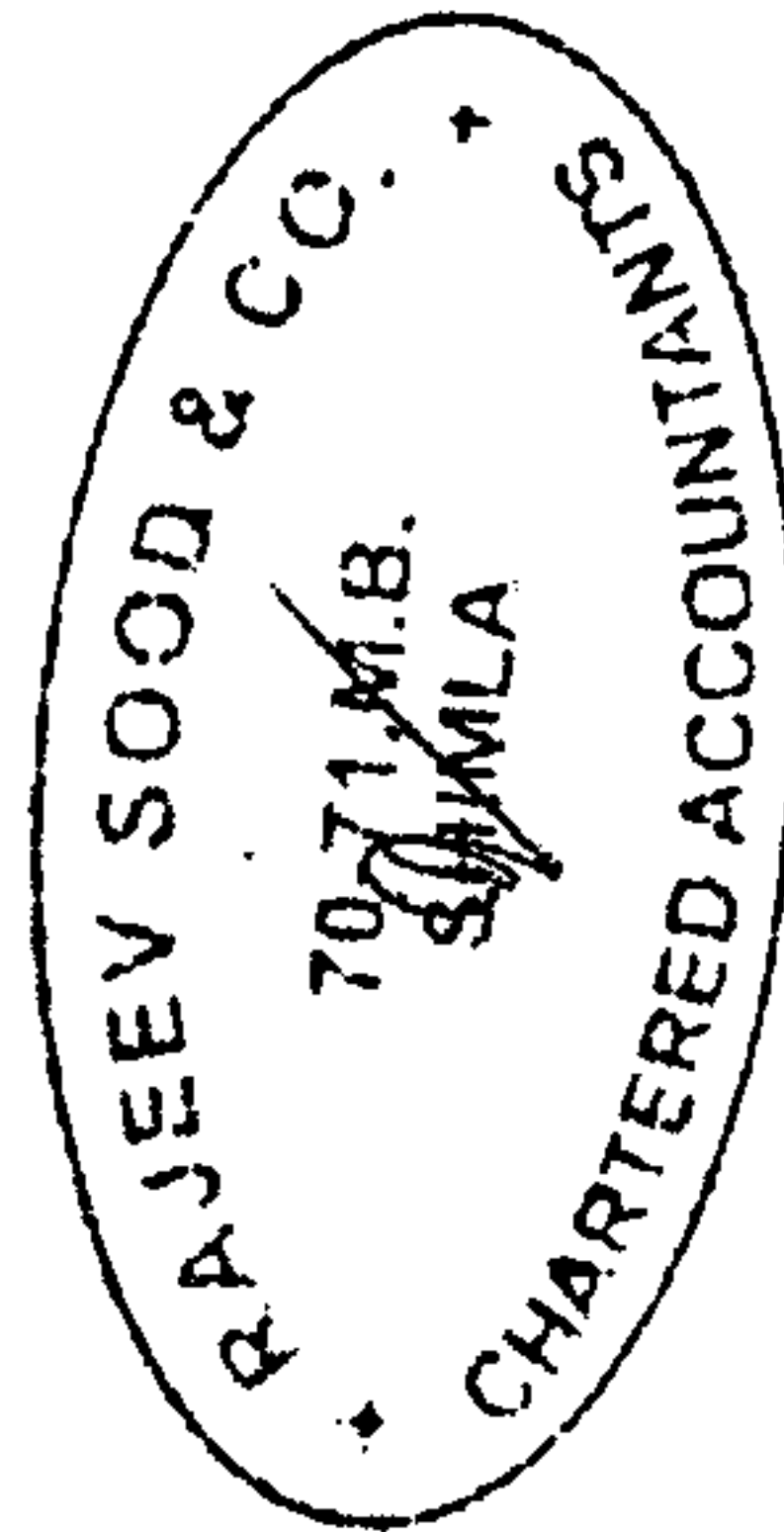


ANNEXURE

STATEMENT OF PARTICULARS

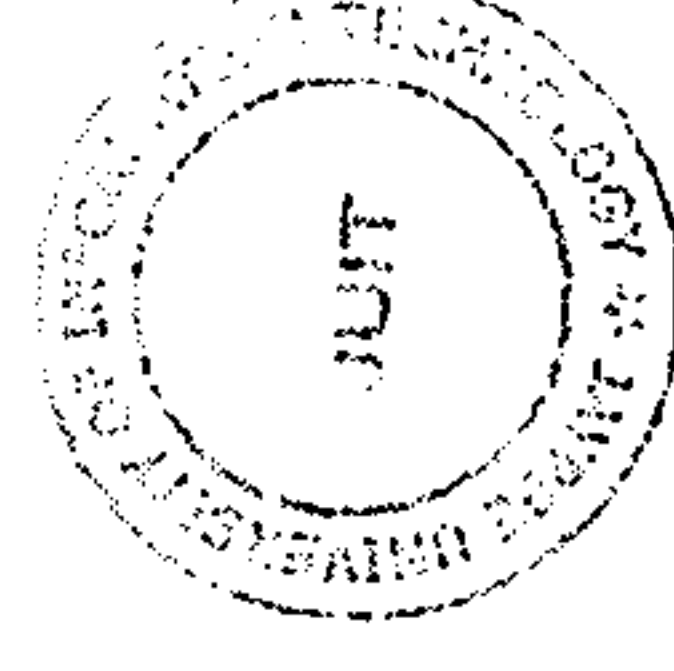
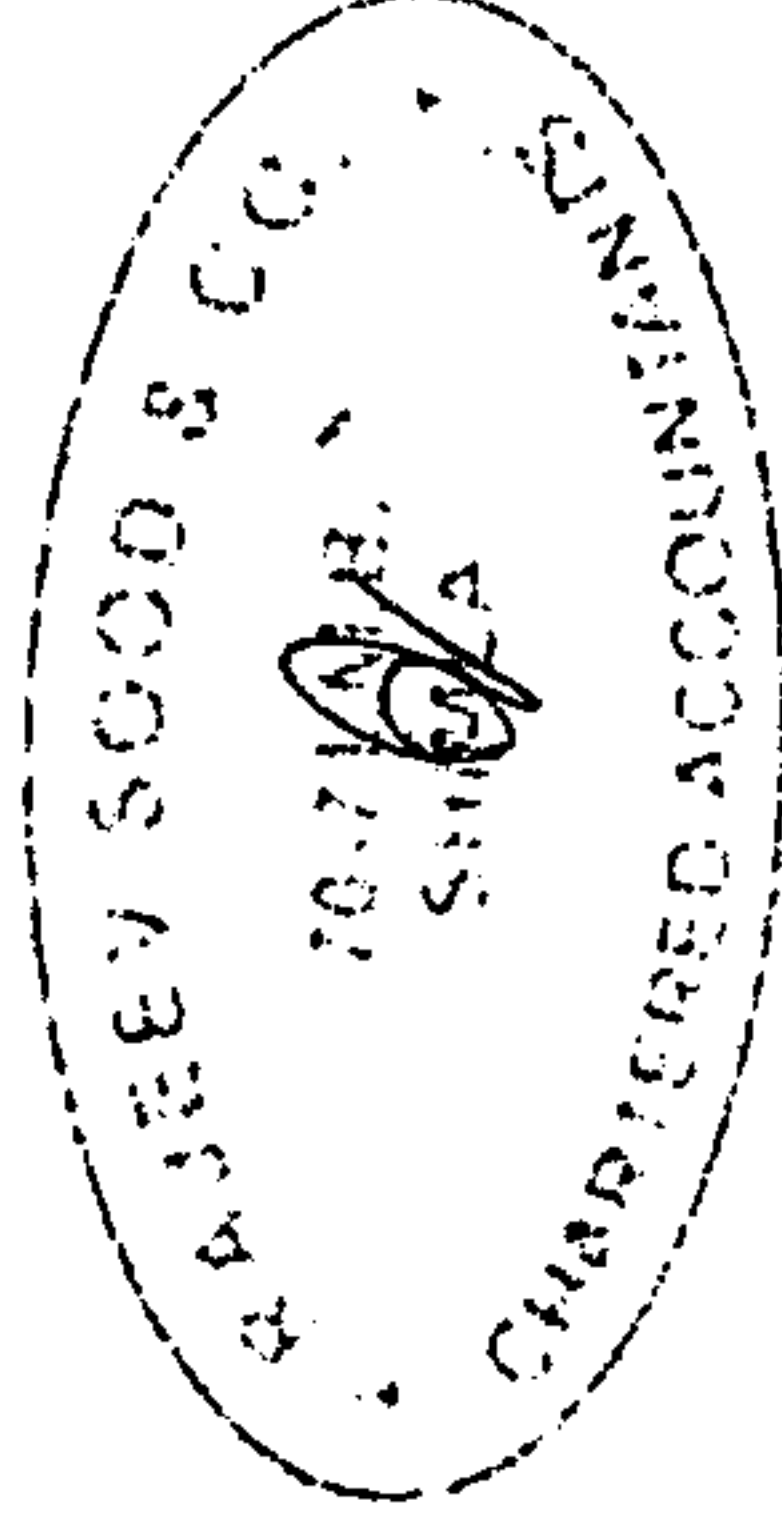
I. APPLICATION OF INCOME FOR CHARITABLE OR RELIGIOUS PURPOSES

1. Amount of income of the previous year applied to charitable or religious in India during that year. Rs.256598358
2. Whether the trust/institution has exercised the option under clause (2) of the Explanation to section 11(1)? If so, the details of the amount of income deemed to have applied to charitable or religious in India during the previous year. No
3. Amount of income accumulated or set apart for application to charitable or religious purposes, to the extent it does not exceed 15 per cent of the income derived from property held under trust wholly for such purposes.
4. Amount of income eligible for exemption under section 11(1) (c). NIL
5. Amount of income, in addition to the amount referred to in item 3 above, accumulated or set apart for specified purposes under section 11(2). N.A.
6. Whether the amount of income mentioned in item 5 above has been invested or deposited in the manner laid down in section 11(2) (b)? If so, the details thereof. N.A.
7. Whether any part of the income in respect of which an option was Exercised under clause (2) of the Explanation to section 11(1) in any earlier year is deemed to be income of the previous year under section 11(1B)? If so, furnish details thereof. NIL
8. Whether, during the previous year, any part of income accumulated or set apart for specified purposes under section 11(2) in any earlier year. NIL
 - (a) Has been applied for purposes other than charitable or religious purposes or has ceased to be accumulated or set apart for application thereto, or,
 - (b) Has ceased to remain invested in any security referred to in section 11(2) (b) (i) or deposited in any account referred to in section 11(2) (ii) or section 11(2) (iii), or,
 - (c) Has not been utilized for purposes for which it was accumulated or set apart during the period for which it was to be accumulated or set apart, or in the year immediately following the expiry thereof? If so, furnish the details thereof.



II. APPLICATION OR USE OF INCOME OR PROPERTY FOR THE BENEFIT OF PERSONS REFERRED TO IN SECTION 13 (3)

1. Whether any part of the income or property of the trust institution was lent, or continues to be lent, in the previous year to any person referred to in section 13(3) (hereinafter referred to in this Annexure as such person)? If so, give details of the amount, rate of interest charged and the nature of security, if any.
NIL\ N.A.
2. Whether any land, building or other property of the trust institution was made, or continued to be made, available for the use of any such person during the previous year? If so, give details of the property and the amount of rent or compensation charged, if any.
NIL\ N.A.
3. Whether any payment was made to any such person during the previous year by way of salary, allowance or otherwise? If so, give details.
NIL\ N.A.
4. Whether the services of the trust /institution were made available to any such person during the previous year? If so, give details thereof together with remuneration or compensation received, if any.
NIL\ N.A.
5. Whether any share, security or other property was purchased by or on behalf of the trust / institution during the previous year from any such person? If so, give details thereof together with the consideration paid.
NIL\ N.A.
6. Whether any share, security or other property was sold by or on behalf of the trust /institution during the previous year to any such person? If so, give details thereof together with the consideration received.
NIL\ N.A.
7. Whether any income or property of the trust /institution was diverted during the previous year in favour of any such person? If so, give the details thereof together with the amount of income or value of property so diverted.
NIL\ N.A.
8. Whether the income or property of the trust /institution was used or applied during the previous year for the benefit of any such person in any other manner? If so, give details.
NIL\ N.A.



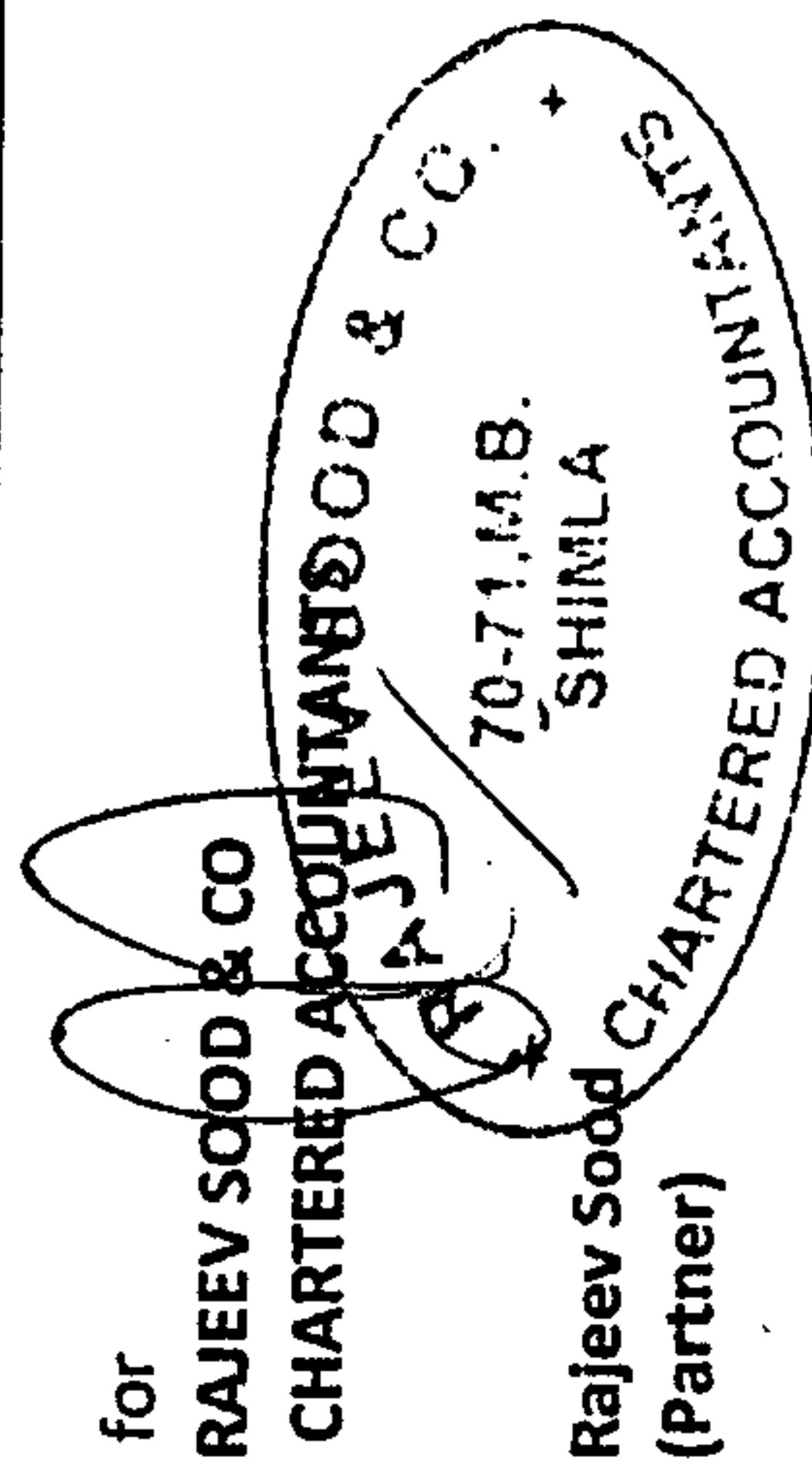
III. INVESTMENTS HELD AT TIME DURING THE PREVIOUS YEAR (S) IN CONCERNS IN WHICH PERSONS REFERRED TO IN SECTION 13(3) HAVE

Name and address of the concern

Sr. No.	Name and address of the concern	Where the concern is a company, number and class of shares held	Nominal value of the investment	Income from the investment	Whether the amount in col. 4 exceeded 5 per cent of the capital of the concern during the previous year-say Yes/No
1	2	3	4	5	6
		---NIL---	---NIL---	---NIL---	-----N/A-----
TOTAL		---NIL---	---NIL---	---NIL---	-----N/A-----

for

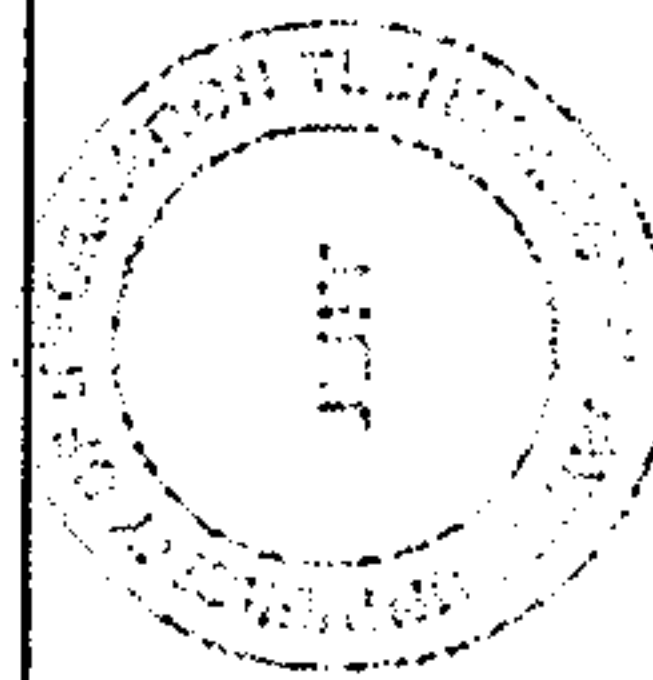
RAJEEV SOOD & CO
CHARTERED ACCOUNTANTS



Rajeev Sood
(Partner)

Place: Shimla

Date:



Training & Placement Data

JUIT, Wagnaghat : 2004-2008

Branch	Total No. of Students	No. of Students Offered	% of Placement	Remarks
BI	46	47	102%	Including Double/Triple Offers
CSE	77	136	177%	Including Double/Triple Offers
ECE	112	152	136%	Including Double/Triple Offers
IT	16	25	156%	Including Double/Triple Offers
CE	10	6	60%	
M.Tech.	5	1	20%	
TOTAL	266	367	138%	

JUIT, Wagnaghat : 2005-2009

Branch	Total No. of Students	No. of Students Offered	% of Placement	Remarks
BI	27	32	119%	Including Double/Triple Offers
BT	26	32	123%	Including Double/Triple Offers
CSE	114	158	139%	Including Double/Triple Offers
ECE	107	105	98%	Including Double/Triple Offers
IT	31	30	97%	
CE	24	24	100%	
TOTAL	329	381	116%	

Note: Rest all the students are pursuing higher studies from various Institutes in Indian or Abroad.

JUIT, Wagnaghat: 2006-10

Campus Placement 2006-10 Batch

BRANCH	Total No. of Students Eligible	No. of Students Offered	% of Placement
BT & BI	50	43	96%
Civil	25	25	100%
CSE	129	170	132%
ECE	149	157	105%
IT	63	68	108%
Total	416	463	111%

Including those who have gone for higher studies namely in

- a) University of Florida, USA
- b) University of Nebraska at Omaha, USA
- c) Georgia Institute of Technology, Atlanta, USA
- d) University of North Carolina, Charlotte, USA
- e) University of Bonn, Germany
- f) University of Arizona, USA
- g) University of Manchester, UK
- h) University of Nottingham, UK
- i) University College London
- j) London School of Economics



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