

2010-11

**JIS College of Engineering
Block A, Phase III
Kalyani, Nadia
West Bengal**

INTERNAL QUALITY ASSURANCE REPORT

Submitted to NAAC for the year 2010-11

Executive Summary

In line with the guide line of NAAC and the JISCE policy of **QUALITY-CONSISTENCY-DEVELOPMENT**, the college undertook a number of initiatives. IQAC of JISCE formally established during 2011 to stream line and consolidates the quality assurance of JISCE.

IQAC is aligned with the vision of JIS Management and senior academicians and faculty members are engaged to execute the plan.

The key focus of the institution goal has been identified as following:

- ✓ To impart quality education, with all the modern teaching techniques and methods
- ✓ To give utmost importance to the socially, economically marginalized section, with government approved proactive measures
- ✓ To explore and utilize the natural resources of the state
- ✓ To foster economic growth
- ✓ To provide the benefits of higher education
- ✓ To study, preserve, and enrich the socio-cultural tradition of the region

Institutional Profile

- JIS College of Engineering is a self financing engineering college.
- The institute was established in the year 2000, the sprawling 17.5 acres campus with built up area of 387160.36 Sq.ft. is located in Kalyani.
- The institute has also the separate college - Center for Management Studies.
- The institute has an enrollment of 2787 students pursuing various courses offered (2198 Male & 589 Female) and includes 12 foreign students.
- The institute has a Faculty strength comprising of 198 teaching staff of the rank of Professors, Asst. Professors.
- The campus comprises of:
 - 60 class rooms
 - 250-seater audio visually equipped auditorium
 - 160 seats conference hall

- 66 laboratories
- 700 computers with fully inter-connected network (internet band width 10 mbps)
- Central library consisting of 55,553 books and 270 journals and a large number of E-journals (National & International) & IEL [Online] under INDEST.
- Hostel accommodation is available for all aspirants [Separate Boys and Girls hostels].

The Academic Portfolio

The college started with the UG streams of EE, ECE, and CSE & IT in the year 2000. During 2001 CA Course was introduced and in 2002 MBA Course was added with B.Tech in EIE. On 2003 BME, 2005 M.Tech Courses EDPS & MCNT was added respectively. On 2007 NBA Accredited Departments of CSE, EE & ECE. On 2008 two M.Tech courses in CSE & IT (SE) were inducted. On 2008 NBA Accredited Departments of IT, EIE & MBA and B.Tech Course in ME were started. In 2010 NBA Accreditation for the Department of BME came and during B.Tech. Course in CE and two M.Tech Courses [AEIE & BMI added.

The learning environment focuses on Self Growth and Team Growth through

- Continuous Performance Evaluation
- Classroom Instructions
- Project Work
- Remedial Classes
- Technical Skill Enhancement Training
- Soft Skill Training
- FDP
- Conferences
- Seminars
- Mentoring

Students' Performance in the WBUT Examination

2011	CSE	94	94	94	100
	IT	90	90	89	100
	ECE	92	92	91	100
	EIE	56	56	56	100
	EE	61	61	61	100
	BME	63	63	63	100
	M.TECH-MCNT	17	17	17	100
	M.TECH-EDPS	21	21	21	100
	M.TECH-SE-IT	20	20	20	100
	M.TECH-CSE	18	18	18	100
	MCA	49	49	49	100
	BCA	63	61	61	96.83
	MBA	67	63	56	94.03
	BBAH	70	70	36	100

State-of-the-Art-Infrastructure

The wide- range of technical set up and diversified framework of computation across the disciplines for practical and hands-on experience for the students is worth mentioning.

Viz. Computer Systems Setup comprised of:

1. High end research Laboratories
2. Research Lab established with SOLARIS 10 administration
3. Hardware Training Laboratories
4. Project and Research Laboratories System Laboratories for
5. Curriculum based Practical subjects
6. Dedicated desktop and Client computing

7. N-computing Desktop sharing
8. SUN Computational setup with SUN Blade Server, SUN Ultra, Rays, Fire
9. Open Source environment viz. RedHat, Fedora, Ubuntu

Faculty

The wide- range of technical set up across the disciplines for practical and hands-on experience for the students is unique in comparison to other Private Self-Financed Engineering Colleges and even some Government Colleges in the State of West Bengal.

- ✓ Training through regular Faculty Development Programme / Quality improvement Programme
- ✓ State-of-the-art Learning Centric High end Training via WIPRO Mission 10X Learning Approach (component : Dale Carnegie Certification, Advanced Workshop and Cambridge University certification)
- ✓ High retention rate
- ✓ Regular and Consistent financial assessment
- ✓ Thrust towards self-growth and team growth through various appraisal procedures
- ✓ This vision produced a strong collection of middle level faculty members.

Frequently Hosted FDPs

- ✓ AICTE funded (INR 37.5K) 2-day Seminar on Advanced Computing and Communication (ACC) organized by IT Dept., 5th -6th Aug, 2010
- ✓ JIS Group sponsored (INR 31K) sponsored 4-day Workshops on Recent Trends in Computing (RTC) organized by IT/ CSE / CA Dept, 23rd-26th March, 2011
- ✓ AICTE funded (INR 1.5 Lacs) National Conference (cfp) on Biomedical Energy Reserve and Application (BERA) organized by BME Dept, 29th -30th July, 2011

- ✓ JIS Group sponsored (INR 12K) sponsored 2-day Workshops on Web based
- ✓ Courseware Development organized by CA Dept, 4th -5th August, 2011
- ✓ AICTE funded (INR 1.5 Lacs) National Conference (cfp) on Energy System
- ✓ Planning Implementation and Operations (ESPIO) organized by EE Dept., 19th Aug. 2011.
- ✓ JIS Group funded (INR 10K) Seminar on Frontiers of Knowledge Management organized by Department of Business Administration

Faculty Achievement

- ❖ Finalist in IBM developer Super star 2011
- ❖ 6. Java Evangelist title IBM RUG (2010)
- ❖ Started giving Consultancy to touchstone Tie up Private Limited from 2011.
- ❖ Worked as Vice President (Research), Yotto Labs, during 2011.
- ❖ Mr. Rajdeep Chowdhury and Mr. Pratip Kumar Biswas win 2nd Prize in the Regional Student Convention 2011
- ❖ Mr. Rajdeep Chowdhury, Assistant Professor, Department of Computer Application and Mr. Pratip Kumar Biswas, Student, Department of Computer Application were awarded 2nd Prize for their Paper titled “Tri-Pad 24x7 – An Overview” in the Regional Student Convention 2011, held on 25th February, 2011, organized by Computer Society of India, Kolkata Chapter at Platinum Jubilee Building Auditorium, Indian Statistical Institute, Kolkata.
- ❖ Amongst the awarded prizes, other than Certificate of Merit, there was Cash Prize worth of Rs. 2000 /-.

Industry Interface

- ☑ IBM Centre of Excellence
- ☑ MOU with WIPRO
- ☑ Advance Partner College of INFOSYS Campus Connect
- ☑ First Private Engineering College in West Bengal having Strategic set-up with IBM
- ☑ MOU with IIT, Kharagpur for Academic tie-up
- ☑ Grant from AICTE
- ☑ Tied up with MSME

- ☑ ICICI Learning Matrix Centre
- ☑ Accredited by TCS, CTS, Videocon

The learning-centric environment

- Continuous Evaluation Process
- Personal Care through Mentorship Programme
- More emphasis on Contact learning (Tutorials-Projects, etc.) compared to one way-teaching

Students' Achievement

❖ Number of students is studying Abroad through GRE etc. such as:

Taiwan University
TEXAS State University
Max Planc University Germany
Milwaukee Inst. Tech. USA
University of North Carolina USA

❖ Competitive Examinations

A total of 41 students from various technological disciplines qualified in GATE 2011. The success is consistent from inception

❖ Mr. Abhinav Biswas, Student, Department of Computer Science and Engineering become IBM Blue Scholar in 2011.

A Blue Scholar Certificate is awarded to those students who have at least two IBM Software Professional Certifications and who have also participated in The Great Mind Challenge Contest.

❖ Mr. Somesh Mukherjee, Student, Department of Electronics and Communication Engineering and Mr. Anupam Bose, Student, Department of Electronics and Instrumentation Engineering were awarded 2nd Position in the 'Paper Presentation' Category of the 2nd All India Inter Engineering College Academic Meet 2010, held on 10th April, 2010, organized by Forum of Scientists, Engineers and Technologists in association with West Bengal University of Technology.

Research Projects and Publications

Projects

Type of Sponsorship	Name of the Project	Amount	Funding Agency	Sponsored to	Letter No.
Research Project under ICSSR	"Ecotourism & Environmental Sustainability: A Study on West Bengal "	Rs. 4,89,125/-	ICSSR	Dept. of BA(Dr. Suman Kr. Dwan)	2-154/2010-RP Dt. 25.01.2011

Projects and Seminar funding

Title of the Project/ Purpose of grant-in-aid	Sanctioned Amount	Sanctioned by	Project Submitted by
Machine Intelligence under MODROB	Rs. 11,00000/-	AICTE	Dept. of CSE
Development of Compact, Broadband and Efficient Patch Antennas for Mobile Communication under RPS Scheme	Rs. 5,00000/-	AICTE	Dept. of ECE
Modernization of Power Systems Lab. under MODROB	Rs. 8,45,000/-	AICTE	Dept. of EE
Implementation of IIP project under IIP: Plant Grant	Rs. 8,00000/-	AICTE	JISCE
Implementation of EDC project under EDC: Plant Grant	Rs. 6,92,000/-	AICTE	JISCE
Seminar Grant	Rs. 37,500/-	AICTE	Dept. IT

Seminar Grant	Rs. 30,000/-	AICTE	Dept. EIE
Seminar Grant	Rs. 1,50,000/-	AICTE	Dept. of EE
Seminar Grant	Rs. 1,50,000/-	AICTE	Dept. of BME

Seminar & Conferences

Date	Topic	Department Organized	Level (International, National, Departmental)	Speaker Invited	Sponsored by
29/7/2011 to 30/7/2011	Conference on "Biomedical Engineering Research & Application: Present Day Scenario and the Future"	BME	National	1. Mr. J Sunderrajan, Country Head Siemens 2. Prof. D N Tibarewala, JU 3. Dr. Pinakpani Bhattacharya, Quadra Medical Services 3. Dr. Sucharita Chakraborty Fortis Hospitals Kolkata 4. Prof. H Chattopadhyay, JU 5. Prof. Avijit Mukherjee, SN Bose 6. Prof. N Som, Former Prof. JU 7. Prof. Subrata Dey, Dept. of Biotechnology, WBUT 8. Mr. B Sanyal, Hosp. Supply Corp.	AICTE and JISCE
04/08/2011 to 05/08/2011	Workshop on "Web Based Course ware Development Using Software suits"	CA	Institutional	Mr. Rabi Sankar Das, Software Engineer, TATA INTERACTIVE SYSTEMS	JISCE
12/08/2011	Workshop on "Information security"	CA, CSE. & IT	Institutional	Mrs. Shefalika Ghosh Samaddar	JISCE
05/01/11 to 04/02/11	Seminar on "Business Skill Development Programme"	BA	Departmental	Officials of different concerned Departments of State Govt.	MSME – Development Institute, Kolkata
08/04/2011	Workshop on Microprocessor and Microcontroller	EIE	Departmental	1. Mr. Devmalya Banerjee 2. Ms. Rimi Ghosh	-
	Faculty Development			Resource person: Prof. N.B. Venkateswarlu,	Fully

23 rd to 26 th March, 2011	Programme on “ Recent Trends in Computing ”	Organized by IT Dept. Jointly with CSE and CA	Institutional	Rich Centre, AIT, Tekkali, AP formerly Professor of Leads University, UK	sponsored by JIS Group
12 th August 2011	Workshop on “ Information Security ”	IT and CSE dept. jointly	Institutional	Shetalika Ghosh Samaddar	Sponsored by JIS Group
12 th and 16 th August 2011	FDP :Pedagogical Training on Educational Technology	IT and CSE dept. jointly	Institutional	Resource Person: Prof. AB Samaddar , Advisor JIS Group	Sponsored by JIS Group
19.08.2011	Conference on “ Energy System Planning, Implementation and Operation”	EE Dept. in Collaboration with AICTE & IEEE	National	1.Mr. Birenjit Pal, MD, Himachal Power Ltd. 2.Mr. S.P. Ganchowdhury, Advisor, Dept. of Power & NES , Govt. of WB 3.Prof. S.K.Biswas, EE Dept. , JU 4.Prof. Amitava Chatterjee, EE Dept., JU 5.Prof. Abhinandan Dey, EE Dept. BESU	AICTE
March26-27, 2011	Conference on “ Convergence of Optics and Electronics”	ECE in collaboration with SPIE	International	Two invited speakers from Optical Society of America(OSA)	SPIE & Co sponsored by OSA
20/09/10 to 01/10/10	Entrepreneurship Development Programme	BA	Departmental	Officials of different concerned Departments of State Govt.	MSME – Development Institute, Kolkata
29/12/10 to 30/12/10	Employability Skill of MBA Students	BA	Departmental	Mr. Chandan Chatterjee, Phoenix Yule Mr. Ayan Nag, Smart Talent Consultancy	JIS Group
03/09/10	Managing Business in Global Economy	BA	Departmental	Mr. A B Cardozo, Anmol Mr. N. Kumar, Berger Paints Mr. S. Datta, Clariant Chemicals	JIS Group
20/12/09 to 28/01/10	Business Skill Development Programme	BA	Departmental	Officials of different concerned Departments of State Govt.	MSME – Development Institute, Kolkata
30/07/2010	Trends and Developments in Biomedical Instrumentation	EIE	National	1. Prof D N Tibrewala, JU 2. Prof Hiranmoy Saha, BESU 3. Dr. Chirasree Roy Chowdhury, BESU 4. Mr. Rajarshi Gupta, CU	1. AICTE 2. IET (UK)
29/9/2010	Seminar on “Women’s Early Health Problem And Its Remedy”	Women Cell, JISCE	Institutional	Dr. T.K.Dutta	JIS Gr.

6/12/ 2010	Seminar on “ Thoughts and Philosophy of Acharya Prafulla Chandra Roy in the Development of India”	Kalyani Book Fair	Institutional	i.Prof. Shyamal Chakraborty, CU	JIS College
5 th -6 th August, 2010	2-day Seminar on “ Advanced Computing and Communication ”	AICTE sponsored seminar organized by IT dept. JISCE	National (There was external participants-28 in nos.)	Invited Speakers: Prof. S.R. Bhadra Chaudhuri, BESU; Prof. Atal , Chaudhuri, JU; Prof. Sanghamitra Banerjee, ISI Calcutta; Prof. D.P. Mukherjee; ISI Calcutta	AICTE and partly sponsored by JIS Group

Paper Publication

Authors (including Co author)	Title of the Paper	Detail of Paper (including Vol., Issue, Page No. & Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/ International	Journal Impact No./SCI Index/ISBN No./ISSN No.
Dr. Suman Kumar Dawn and M.K. Das	Reengineering Branding Strategy : A New Paradigm of Sustainable Competitive Advantage with Special Emphasis on FMCG Segment in India	vol.2, Issue 2, Jan-Jun 2010	Domain	National	ISSN No. 0973-9564
Dr. Suman Kumar Dawn and Anindya Guha	E-CRM : A Critical Analysis by Developing an Effective Model	vol. V1, Number 3, July-September 2010	Asia pacific Business Review	National	ISSN : 0973-2470
Dr. Suman Kumar Dawn & S Paul	Developing Brand Strategies of Pharmaceutical Products: An Empirical Study on Diabetic Products	vol. 50, nos. 1& 2, January-June 2010	Survey, IISWBM	National	ISSN: 0586-0008
Dr. Suman Kumar Dawn	Developing Distribution Strategies for Effective Operations: An Empirical Study Based on Tropicana	vol. 41, no.2, February, 2011	Indian Journal of Marketing	National	
Dr. Suman	Electronic Customer	vol.1, no.1,	International Journal	International	E-ISSN

Kumar Dawn & R. Chowdhury	Relationship Management (CRM) : Conceptual Framework and Developing a Model	March 2011	of Business and Information Technology (IJBIT)		2047-0363
Dr. Suman Kumar Dawn	Rural Consumerism in India: Challenges and Perspective	December 15-16, 2010	Attended and presented paper the National Seminar on Rural Consumers in Globalizing Market Vulnerability and Choice organized by Department of Sociology University of Kalyani in association with Centre for Consumer Studies Indian Institute of Public Administration New Delhi	National	

Author (Including Co- author)	Title of the Paper	Detail of Paper (including Vol., Issue, Pg. No. Year)	Nature of Paper (Journal/Conference/Book Chapter)	National/International	Journal Impact No./SCI Index/ISBN No/ISSN No.
Subhajit Basu Chowdhury	“ Brand Building and Advertising Management”	Presented paper on 23 rd October, 2010 at “ Khandelwal College of Management Science & Technology, Bareilly.	Conference paper	National	-
Subhajit Basu Chowdhury	“ Organizational Change”.	January, 2011	E-Journal of JSB Kolkata.		ISSN
Subhajit Basu Chowdhury & Dr. B. Chakraborty	“ Organized Rural Retail Resurgence in India: A Critical Appraisal”	Vol. V, No. 1(January-June 2011, “JIS Management Vista”	Journal		ISSN
Subhajit Basu Chowdhury	“Managing Retailing”	Presented paper on 19 th February,	Conference paper	National	

Author (Including)	Title of the Paper	Detail of Paper	Nature of Paper	National/Int ernational	ISBN No/ISSN No.
		2011 at School of Management Sciences, Varanasi.			

Authors (including Co-author)	Title of the Paper	Detail of Paper (including Vol., Issue, Page No. & Year)	Nature of Paper (Journal/Conf erence/Book Chapter)	National/ Internation al	Journal Impact No./SCI Index/ISSN No./ISSN No.
Dr. Isita Lahiri Jointly With Mrinal Kanti Das	Sustainability of Network Marketing: Brand to Brew	Vol. 2, No. 1, June 2010, pp 32-43	Journal-NSHM Journal of Management Research and Applications (NJMRA)	National	ISSN: 0975- 2501
Dr. Isita Lahiri Jointly With Mrinal Kanti Das	A Study on Brand Loyalty of MLM Brands	Vol. 2, Issue 4, April 2011, pp. 88- 102	Journal- International Journal of Marketing and Management Research (IJMMR)	Internationa l	ISSN: 2229- 6883
Mrinal Kanti Das Jointly With Mr. Souriya Meunviseth	The role of the Bank of Lao PDR in controlling Money and Forex Market	Vol. 9: Issue 1, June 2011, pp 5-13	Journal- Pragyaan	National	ISSN: 0974- 5505

Co-author)		(including Vol., Issue, Pg. No.	(Journal/Conference/Book Chapter)		
R. Chowdhury, S. Gupta, A. Saha	Stochastic Seed Based Cryptographic Technique [SSCT] Using Dual Formula Key [DFK]	Proceedings of the International Conference on Communication and Industrial Applications (ICCIA) 2011	Conference	International	978-1-4577-1915-8
R. Chowdhury, S. Gupta	Unique Grade-To Percentage Conversion [UGPC]: An Enhanced Knowledge Infrastructure For Better Performance Evaluation	Published in the Proceedings of the International Conference on Frontiers of Infrastructure Finance (ICFIF) 2011	Conference	International	
G. Majumder, S. Gupta,	Scaling Conflict as a Rider of Organizational Output	Published in the Proceedings of the International Conference on Frontiers of Infrastructure Finance (ICFIF) 2011	Conference	International	
B.B. Pal, S. Gupta,	A Genetic Algorithm Based Stochastic Simulation Approach to Fuzzy Chance Constrained Interval-Valued Multiobjective Decision Making Problems	Proceedings of the International Congress on Productivity, Quality, Reliability, Optimization and Modelling (ICPQROM)	Conference	International	ISBN: 978-81-8424-708-4, Vol-I

		2011, , Vol-I, pp.254-266,			
T.Bhattacharya, S. Hore, A. Mukherjee, S. R. BhadraChaudhuri	A Novel Data Encryption Technique by Genetic Crossover of Robust Biometric Key and Session Based Password	International Journal of Network Security & Its Applications (IJNSA), Vol.3, No.2, pp 111-120.	Journal	International	ISSN 0974 - 9330
T. Bhattacharya, N. Dey S. R. BhadraChaudhuri	A Novel Session Based Dual Steganographic Technique Using DWT and Spread Spectrum”,	International Journal of Modern Engineering Research (IJMER), Vol.1, Issue1, pp-157-161.	Journal	International	ISSN: 2249-6645
T. Bhattacharya, S. Hore and S. R. BhadraChaudhuri	A Novel Data Encryption Technique by Genetic Crossover of Robust Finger Print Based Key and Handwritten Signature Key	International Journal of Computer Science Issues (IJCSI), Vol. 8, Issue 5, No 2, pp209-214.	Journal	International	ISSN (Online): 1694-0784
T. Bhattacharya, N. Dey S. R. BhadraChaudhuri	A Novel Session Based Dual Image Encoding and Hiding Technique Using DWT and Spread Spectrum	International Journal on Computer Science and Engineering (IJCSE), Vol. 3, No.11, pp3510-3517.	Journal	International	ISSN: 2229-5631
D. Sanki, S. B.Saha,	Secure Data Transmission at Low Cost using the E-board Software for the Virtual Class	International Journal of Computer Applications, Foundation of Computer	Journal	International	978-93-80865-51-4

	Room	Science. (IJCA)			
S. DasGupta, R. Chaki	SRPV: A Speedy Routing Protocol for VANET	Published in the proceedings of the International Conference on Advances in Computing, communication and Control, ICAC3-2011	Conference	International	ISBN: 978-3-642-18439-0
S. B. Saha, R. Chaki	Cluster Based Mobility Considered Routing Protocol for Mobile Ad hoc Networks	Published in the proceedings of the International Conference on Computer Science and Information Technology CCSIT-2011	Conference	International	978-3-642-17856-6
NilanjanDe y	A Novel Session Based Dual Steganographic Technique Using DWT and Spread Spectrum	Vol.1, Issue 1, pp-157-161	International Journal of Modern Engineering Research,	International	ISSN: 2249-6645
NilanjanDe y	A Novel Approach of Image Encoding and Hiding using Spiral Scanning and Wavelet Based Alpha-Blending Technique”,	Vol. 2 (6), 1970-1974.	International Journal of Computer Technology Applications	International	ISSN:2229-6093[Indexd at EBSCO Host]
NilanjanDe y	Robust Watershed Segmentation of Noisy Image Using Wavelet	Vol. 1(2),117-122	International Journal of Computer Science & Communication Networks	International	ISSN:2249-5789
NilanjanDe y	A Novel Approach of	Vol. 2 Issue 3 – 2011.	International Journal of	International	ISSN: 2231-5381

	Multilevel Binary Image Encoding using Walsh Table and Spiral Scanning		Engineering Trends and Technology		
NilanjanDe y	A Novel Session Based Dual Image Encoding and Hiding Technique Using DWT and Spread Spectrum	Vol. 3 No. 11, pp-3510-3517.	International Journal on Computer Science and Engineering	International	ISSN : 2229-5631[Impact Factor 0.835]
NilanjanDe y	A Novel Approach of Obtaining Features Using Wavelet Based Image Fusion and Harris Corner Detection	Vol.1, Issue 2, pp-396-399.	International Journal of Modern Engineering Research	International	ISSN: 2249-6645
NilanjanDe y	A Novel Approach of Watershed Segmentation of Noisy Image Using Adaptive Wavelet Threshold	Vol. 2 (6), 2011, 2686-2690.	International Journal of Computer Science and Information Technologies	International	ISSN-0975-9646
NilanjanDe y	A Case Study of Gray Image Encoding Using GA	Vol. 3,pp-278-285.	International Journal of Emerging Trends in Engineering and Development, Issue1	International	ISSN- 2249-6149[ICV 5.8]
NilanjanDe y	A Novel Approach of Color Image Hiding using RGB Color planes and DWT	Volume 36– No.5, December 2011	International Journal of Computer Applications	International	(ISSN: 0975 – 8887), [Impact Factor 0.835]
NilanjanDe y	A Novel Approach of Harris Corner Detection of Noisy Images Using Adaptive Wavelet Threshold	Vol. 2, Issue 4, Oct . - Dec. 2011	International Journal of Computer Science & Technology	International	ISSN : 0976-8491
NilanjanDe y	A Comparative Study between Moravec and Harris Corner Detection of Noisy	Vol. 2, Issue 1, Jan-Feb 2012, pp.599-606	international Journal of Engineering Research and Applications	International	ISSN: 2248-9622 [Indexed at EBSCO Host, SCOPUS]

	Images Using Adaptive Wavelet Thresholding Technique				
NilanjanDe y	A Comparative Study Between Moravec and Harris Corner Using Wavelet Based Image Fusion	Volume 2, Issue 1, January 2012	International Journal of Advanced Research in Computer Science and Software Engineering	International	ISSN: 2277 128X

Co-Curricular & Extra-Curricular Activities

➤ Alumni Association

JISCE has an effective Alumni Association which. Dr S S Gupta is the President of the Association and the association meets once every month and keeps track of Alumni all across the country and organize annual meeting in a grand scale. The alumni members facilitate the academic process by organizing guest lectures and project works for the students.

The Institution during last one decade produced a wide range of budding engineers / applicants who have been contributing to the Society in various domains of national aspects:

IT Corporate / Software Development jobs: Ranging from Microsoft to GOOGLE IT Corporate Best employee / innovative Idea award winning alumni WIPRO, INFOSYS to CTS Public Sector: ONGC IT Public Sector: CDAC Mumbai Research and Development: Indian Statistical Institute Calcutta Entrepreneurship: National Entrepreneurship Network.

➤ National Social Service (NSS)

The college has an active NSS Camp under the guidance of the Dr Subhamoy Singha Roy. Sizeable number of students participates in various programmes conducted under the scheme. The activities NSS volunteers have conducted are Plantation of Trees towards a Green Campus Programme, Cleaning and Developing the Campus into an Eco-friendly Campus, Blood Donation Camp, Developing Local Area Campaign and conducted classes on morality and personality development.

✓ Awareness Programme

Awareness Programme conducted on Dengue, Malaria and Enteric Diseases at the area in vicinity during 12 September 2010.

✓ **Blood Donation Camp**

The blood donation camp for the college students was organized on 17 September 2010.

✓ **Anti-Drug Campaign**

The NSS wing organized a camp **on ANTI-DRUG** from 8th February 2011. The camp was inaugurated by Dr A Guha, Director of the College. Different social organizations from various parts of the locality all came together on a common platform for interactive learning and exposure

✓ **Bank loan Assistance Counseling** and support Cell helps students in getting financial help and interact daily with the students during second half of the day.

✓ NSS conducted **Adult and Child education** in 5 villages skirting the city.

➤ **National Cadet Corps (NCC)**

JIS College of Engineering has been in touch with 49 Bengal Battalion to incorporate NCC as a course and for C Certification programme. JISCE is also participating in different programme organized by 49 Bengal Battalion.

➤ **SIFE**

Students participated in different initiatives of SIFE and also compete at the national level in business plan and other competitions.

➤ **Green Team**

The Institution is located away from metropolitan in a lush green Campus. It's a declared energy saving Green zone. Initiatives are taken by the group to ensure an eco friendly and environmentally sustainable atmosphere.

➤ **EDC**

Entrepreneurship Development has been a key focus of the College and guidance and assistance is provided to the students as well as to the local enthusiasts in this regards. The college in collaboration with NSIC conducted Entrepreneurship Development Programme and the College has been selected to have an Incubation Center jointly with NSIC. The Coordinator of the cell is Ms Sila Singh Ghosh, GM Corporate Development, JIS Group and the cell collaborates with Ministry of Small and Medium Enterprises, CII, BCCI, local industry houses. JIS Group provide financial assistance to the willing students to start own ventures.

➤ **IIPC**

The Institution from its inception has been emphasized and was instrumental in having a strong bonding with Corporate Houses / Software Development Industry. Various Faculty members of different disciplines are trained through these events and impart training to the students:

- IBM The Great Mind Challenge Competition
- Organizing International Conclave named ESQUIRE.
- MICROSOFT Faculty Connection – MICROSOFT Students to Business
- WIPRO Mission 10X Learning Approach (17 faculty members are
- Mission 10Xians)
- INFOSYS Campus Connect Programme.
- ORACLE Database Admin Programme
- Texas Instrument Project Partnership

➤ **Women's Cell**

Mission

To enlighten the women students and employees about their legal right and to strive towards the empowerment of the women through the promotion of gender amity and programmes concerning women welfare

Vision

To create a platform where all women can express their needs and priorities , where every women is respected and is able to achieve their potential, living free from harm and discrimination

Objectives

- To sensitize the JIS College of Engineering community on gender equity issues through organizing sensitivity programmes like seminars, publishing handouts etc.
- To promote general harmony and prevent discrimination of women and sexual harassment in the institutes by providing practical suggestions to the administration from time to time,.
- To deal with any instance of discrimination of women or sexual harassment by an employer or students in respect of any other employee or students of JIS College of Engineering.
- To make students aware of Gender Equity.
- To help students to change their mindset and attitude towards life in terms of women.
- To build a society with social and economic gender equality as envisaged in the Indian Constitution through social service.
- To reach out to women in the rural areas and make them aware of their social and legal

- rights and to equip them to stand against gender violence and gender discrimination.
- To create awareness, instill values and develop the personality and leadership quality.

Academic Audit or other external review of the academic provision

Academic Audit is conducted annually by an Academic Audit Committee appointed by the Management. Generally an expert in the field of specialization is appointed to Audit the whole academic system and report to the Management.

The affiliating University also conducts an audit annually. In this elaborative procedure where all particulars related to admission, staff and pedagogy, Programmes, student activities, library information, results etc. and various details are and others are taken into account and submitted to the University. The University appoints a committee review the data and scrutinizes every details and reports to the University. Any non-compliance is to be addressed as early as possible.

The reports are discussed in detail at the meeting of Board of Governors and necessary actions are taken.

The internal quality mechanisms are measuring and fully aligned with the requirement of NAAC and NBA. Also aligned with the accredited agencies like ISO and International Accreditation Agency (IAA).

The IQAC plans to review the mission, vision and quality policy and required changes.

Roadmap for Future

Plans of the Institution for the Forth Coming Year

In line with the guide line of NAAC and the JISCE policy of **QUALITY-CONSISTENCY-DEVELOPMENT**, the college plans to take up a number of initiatives through proper and functioning of IQAC. The activities of the IQAC to augment the quality movement in the Institution towards quality assurance.

➤ To renovate the Electrical and water supply facilities of the college with iron removal plant and installing energy saving CFL lights.
➤ Improve infrastructure of all the departments.
➤ Re arranges the laboratory support systems and makes it more users friendly.
➤ Encourage teachers to take up Research Projects.
➤ To improve the class room facilities and creation of at least one smart class room per department.
➤ To organize seminar in association with UGC, TEQIP & AICTE.
➤ To organize conduct International Conferences.
➤ Make internet knowledge compulsory to prepare the assignments and projects.
➤ Provide an orientation programme to the students to introduce the many programmes of the college.
➤ Avail the value education hours to introduce the many programmes.
➤ Conduct training programmes in Personality development and soft skills more intensively.
➤ Continue the value addition programmes as part of the curriculum: Each department may start a diploma or certificate course as part of improving the curriculum content and issue certificates.
➤ Interdisciplinary programmes will be organized by way of invited talks, seminars etc. with the assistance of subject associations and various clubs functioning in the college.
➤ To organize a workshop for +2 students in the state to inspire them in technological subjects.
➤ Human Resource Development Training for students (HRD Training)
➤ Staff Training programmes will be organized periodically to train the staff in ICT based teaching
➤ Departmental meetings be arranged every month to review the progress of the academic plan for the current year
➤ All departments will introduce at least one worthy practice to be emulated by other departments and colleges, with a definite goal and evidence of success.
➤ To covert the campus into an echo friendly campus.

