

# GLOGIFT - 2005



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## Fifth Global Conference on Flexible Systems Management

27-30 December, 2005

Venue : R.G.P.V. Bhopal

Theme

**Management of I.T. and infrastructure  
for Flexibility and Competitiveness**

**International Conference  
of  
Global Institute of Flexible Systems Management**

Organised by



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**Rajiv Gandhi Pradyogiki Vishwavidyalaya**

**(R.G.T.U.)**

(University of Technology of Madhya Pradesh)  
Air port By pass Road, Gandhi Nagar, Bhopal-462 036

in association with

**UAH**

College of Administrative Science  
The University of Alabama in Huntsville, USA

*Souvenir*



Government of Madhya Pradesh  
BHOPAL - 462 004

December 18, 2005

**Shivraj Singh Chouhan**  
Chief Minister



## MESSAGE

I am happy to note that the Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal is organizing an international conference on "Management of I.T. and Infrastructure for Flexibility and Competitiveness".

The Information Technology sector in the 21 st century is a major player in development of a society. The access of masses to Information Technology is increasing rapidly and soon the digital divide would vanish. The society would require altogether a different work culture for technologically equipped people and institutions. It is therefore a great responsibility lies on the I.T. experts to sustain excellence in application of I.T. in a knowledge-based society of the future.

I hope the participants and experts would suggest strategic measures keeping in view the requirement of the common people in the technologically advance time.

I wish the conference a success.

With best wishes.

Shivraj Singh Chouhan





# International conference

on

## Management of I.T. and Infrastructure for Flexibility and Competitiveness



### International Advisory Committee

1	<b>Dr. M.C. Gupta</b> Vice chancellor, R.G.P.V. Bhopal	2	<b>Dr. Sushil</b> Management Department I.I.T. Delhi
3	<b>Ali Dastmalchian</b> Dean, Faculty of Business University of Victoria Victoria, Canada	4	<b>M.C. Jackson</b> Director of the Business School University of Hull, UK
5	<b>Jatinder N.D. (Jeet) Gupta</b> College of Administrative Science The University of Alabama in Huntsville, USA	6	<b>Anthony Michell</b> Visiting Prof. (Strategy & Gloval Mgt.) School of Public Policy and Management, KDI, Korea
7	<b>H. Paul</b> Professor and Dean School of Management Asian Institute of Technology Pathumthani, Thailand	8	<b>Daniel Rouach</b> Professor School of Management ESCP-EAO, Paris, France
9	<b>Kulwant Singh</b> Head, Department of Management & Organization National University of Singapore	10	<b>Nauna Singh</b> Professor and Director of integrated Product Development Laboratory Wayne State University, USA
11	<b>Kathryn E. Stecke</b> The University of texas at Dallas School of Management Richardson, USA	12	<b>Ushio Sumita</b> Professor Gradute School of International Management International University of Japan Japan
13	<b>Rakesh Kumar Agrawal</b> School of Management University of Western Sydney Sydney, Australia	14	<b>Dr. J.S.Chauhan</b> Prof. & Head Civil Engg. Deptt. S.A.T.I. (Engg. College) Vidisha (M.P.)

PTO



## ORGANIZING COMMITTEE



- Patron : **Shri Tukojirao Jee Pawar**  
Hon'ble State Minister,  
Higher Education & Technical Education  
Govt. of M.P., Bhopal
- Conference Chairman : **Dr. M.C. Gupta**  
Vice Chancellor, R.G.P.V., Bhopal
- Conference Co-Chairman : **Prof. Jatinder (Jeet) N.D. Gupta**  
The University of Alabama In  
Huntsville, Al 35899, USA
- Conference Convenors : **Dr. V.K. Sethi**  
Director, U.I.T., Bhopal
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Prof. & Head,  
Management Deptt., S.A.T.I. Vidisha (M.P.)
- Conference Convenors : **Dr. S.S. Bhadoria**  
Head, Civil Engg. Deptt, U.I.T., Bhopal
- Conference Convenors : **Mr. Manoj K. Sharma**  
DG, GIFT, Delhi
- Co-convenors : **Dr. Aayushi Gupta,**  
Jaypee Institute of Information Technology,  
New Delhi
- Co-convenors : **Dr. Anjuli Jain**  
Sr. Lecturer, Deptt. of Management
- Co-convenors : **Dr. Mukesh Pandey**  
Asth. Professor &  
Dy. Registrar(I/C) Deptt. of Energy & Env..
- Co-convenors : **Prof. Vinay Thapar**  
Reader, Electrical Engg. Deptt.
- Co-convenors : **Prof. Sanjeev Sharma**  
Lecturer, School of IT
- Co-convenors : **Shri Ashish Jain**  
G.I.F.T., S-15, LSC, DDA Commercial Complex  
Mayur Vihar, Phase-1, Delhi



- ◆ Building Flexibility Into Information Systems  
S. N. Varma and Anupama Meena
- ◆ Managing Change in Indian Valve Industry—A Case Study  
Sumit Jain and R.K. Garg

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**December 28, 2005 at Hall B 11:30 to 13:00 Hrs IST**  
**Urban Planning and Strategies for Development**

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- ◆ Private Participation for Urban Development  
Aayushi Gupta, D.P. Agrawal, R. Sahu
- ◆ Rainwater Harvesting Management Techniques  
Anjali Jain and Rashmi Shrivastava
- ◆ Analysis of West Bengal E-Governance Initiative for Property Registration  
G.P. Sahu and M.P. Gupta
- ◆ Asian Financial Crises Vis-À-Vis Precautionary Steps Taken by India  
Ritu Gajpalla
- ◆ Infrastructure facilities and insentives in the state of MP for SME  
Dr. Rajeev Shrivastava

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**December 28, 2005 at Hall C 11:30 to 13:00 Hrs IST**  
**Sustainable Power Development & Telecom Management**

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- ◆ A Road Map to Sustainable Power Development in India Over the Next 5 Years  
V.K. Sethi
- ◆ Generation of Sustainable Power for Meeting Peak Load Demand of an Urban City  
Geeta Agnihotri, Ganga Agnihotri and Rajeshwari. C.S
- ◆ Integrated Operation of Renewable Sources for Sustainable Village Power Supply  
Pradeep K Katti and Mohan K Khedkar
- ◆ Construction of Biogas Plants-A Revolutionary Step in Rural Resource Development  
Mukesh Pandey and Archana Keerti Chowdhary
- ◆ Geoinformatics Techniques in the Power Development and Management  
S.K. Katiyar, J.S. Chauhan and K.K. Punjabi
- ◆ Telecommunication—Management Challenges Ahead  
Rakesh Sareen and M.G. Sharma
- ◆ Employing Genetic Programming Approach for Optimizing Clustering Algorithm in Mobile Ad Hoc Networks  
Sanjeev Sharma, Payal Saxena, Nena Saxena and Indresh Pateria
- ◆ Simulating the Distortion Characteristic of Erbium Doped Fiber Amplifier  
Anubhuti Khare and Arun Khare
- ◆ Gender Consciousness in Information and Communication Technology  
Bhasha Shukla Sharma and Smita Bansal

- ◆ Product Life Cycle Management: An effective tool for growth  
Sandeep Jain, Lokesh Bajpai, Suresh Kushwah, and P.L. Verma
- ◆ Managing Technological Innovation Through Research & Development  
Rajeshwari C.S. and Abhay Pratap Singh

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**December 29, 2005 at Hall B 11:30 to 12:30 Hrs IST**  
**Construction Management**

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- ◆ Cost Estimation of Conventional Water Treatment Plant  
Ajay Kumar Gupta and R. K. Shrivastava
- ◆ The Use of Data Mining and Neural Networks Techniques in Modeling Soil Erosion in River Catchments Areas  
Mahesh Motwani and Sanjeev Sharma
- ◆ Principles of Total Quality Management  
J.S. Chauhan, M.C. Gupta and A.S. Chauhan
- ◆ Contract and Arbitration  
G. Adhin
- ◆ Sustainable Power Management through Energy Efficiency Measures in Indian Buildings  
Mukesh Pandey, Seema Saxena and Sanjay Shrivastava
- ◆ An Expedite Production Technique for Manufacturing Eco-Friendly Bricks from Copper Mine Tailings  
R.K. Morchhale, N. Ramakrishnan and Nitin Dindorkar
- ◆ Emerging Trends in Civil Engineering Construction  
A.G. Krishnamurthy, J.S. Chauhan, P.R. Swarup and Yashwant Singh
- ◆ Short Construction Period—A Key for Tendering in Bot Projects  
R. Kansal and M.C. Gupta

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**December 29, 2005 at Hall C 11:30 to 12:30 Hrs IST**  
**Sustainable Infrastructure Development**

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- ◆ Regional Flood Frequency Analysis A Case Study of Mahanadi Basin  
Archana Keerti Chowdhary
- ◆ Analyzing the Stock Rate Prediction Accuracy with Different Number of Neural Network Hidden Layers  
Aasif Ullah Khan, Mahesh Motwani, Sanjeev Sharma and Abdul Saboor Khan
- ◆ Sustainable Infrastructure Development for Competitiveness: Case of Knowledge Infrastructure  
K. Momaya and U. Ganeshraj
- ◆ Management of IT & Infrastructure for Flexibility & Competitiveness: Sustainable Infrastructure Development  
Aruna Saxena & Anshu Gupta
- ◆ Sustainable Infrastructure Development—Liquid Petroleum Gas for Rural India Women Overview—The LPG Challenge  
Seema Saxena and Pankaj Jain



International conference  
on  
Management I.T. and Infrastructure for  
**Flexibility and Competitiveness**

**DETAILED TECHNICAL PROGRAMME**

Theme	Date & Time	Special Guest	Chairman	Co-Chairman
Decision support System & Management Information System	27 Dec. 05 Hall-A 15.30 -17.00	Mr. Sanjeev Agrawal	Mr. Anil Shrivastya IAS	Prof. B.K. Mani
Role of I.T. in Infrastructure Development	27 Dec. 05 Hall - B 15.30 -17.00	Mr. Sunil Bansal	Dr. T.K. Bandopadhyay	Dr. Y. K. Sharma
Technology Management and Transfer	27 Dec. 05 Hall - C 15.30 -17.00	Er. Amar Sharma	Dr. K. Momaya IIT, Delhi	Dr. G. D. Singh
Business & Knowledge Management	27 Dec. 05 Hall - D 15.30 -17.00	Mr. D. Subodh Singh	Dr. Manoj K. Sharma D.G., GIFT	Dr. M.K. Uprit
Flexibility & Competitiveness	28 Dec. 05 Hall - A 11.30-13.00	Ar. Achal Chaudhary	Dr. Sushil ITT, Delhi	Dr. N. K. Mittal
Urban Planning And Strategies for Development	28 Dec. 05 Hall - B 11.30-13.00	Mr. Pankaj Dandir	Dr. Dharendra Krishna	Dr. H. A. Wachhani
Sustainable Power Development & Telecom Management	28 Dec. 05 Hall - C 11.30-13.00	Mr. Snjeev Saxena	Er. Pradeep Ambare Chief Engineer Railway Madras	Dr. Balani
Rural Resource And Development	28 Dec. 05 Hall - D 11.30-13.00	Mrs. Kaisar Zaman	Dr. A.R. Siddiqui	Prof. G. K. Raju <i>By Dr. Bandopadhyay</i>
Integrated Product Development/ Concurrent Engineering	29 Dec. 05 Hall - A 11.30-12.30	Mrs. Preeti Patel	Prof. H. paul	Dr. A. R. Ansari
Construction Management	29 Dec. 05 Hall - B 11.30-12.30	Mr. J. N. Chocksey	Dr. S.M. Agrawal	Dr. Manoj Kulshrestha
Sustainable Infrastructure Development (1)	29 Dec. 05 Hall - C 11.30-12.30	Mr. Karsolia	Dr. D.K. Bandopadhyay <i>Prof. G. K. Raju</i>	D. U.S. Vijayawargia
Sustainable Infrastructure Development (2)	29 Dec. 05 Hall -D 11.30-12.30	Mr. K.L. Thakral	Dr. S.K. Batra GIMI, Delhi	Brig. Iqbal Siddqui



With Best Compliments from

# SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(A Fully Aided Engineering College founded in 1960)

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## ACADEMIC PROGRAMMES OFFERED

### UNDER GRADUATE PROGRAMMES

#### 1. Full time 4 years B.E. Degree courses

- Civil Engg.
- Mechanical Engg.
- Electronics & Instrumentation
- Computer Science & Engg.
- Electronics & Tele-communication Engg.
- Information Technology

#### 2. Part time 4 year B.E. Degree courses

- Civil Engg.
- Mechanical Engg.
- Electrical Engg.
- Electronics & Instrumentation
- Chemical Engg.
- Production Engg.
- Electronics
- Construction Tech. & Mang.

### POST GRADUATE PROGRAMMES

#### A. Engineering & Computer Science & Management courses

- ME (Civil) Construction Tech. & Mgt. (Full time)
- ME (Civil) Construction Tech. & Mgt. (Part time)

- ME (Civil), Environmental Engg. (Full time)
- ME (Mech.) Adv. Prod. Systems
- ME (Elect.) Power Electronics
- Master of Computer Applications
- M.B.A.

#### B. Courses in Applied Sciences

- M.Sc. (Computer Science)
- M.Sc. (Applied Maths-Copm. Sc.)
- M.Sc. (Applied Electronics)
- M.Sc. Applied Physics
- M.Sc. Applied Chemistry

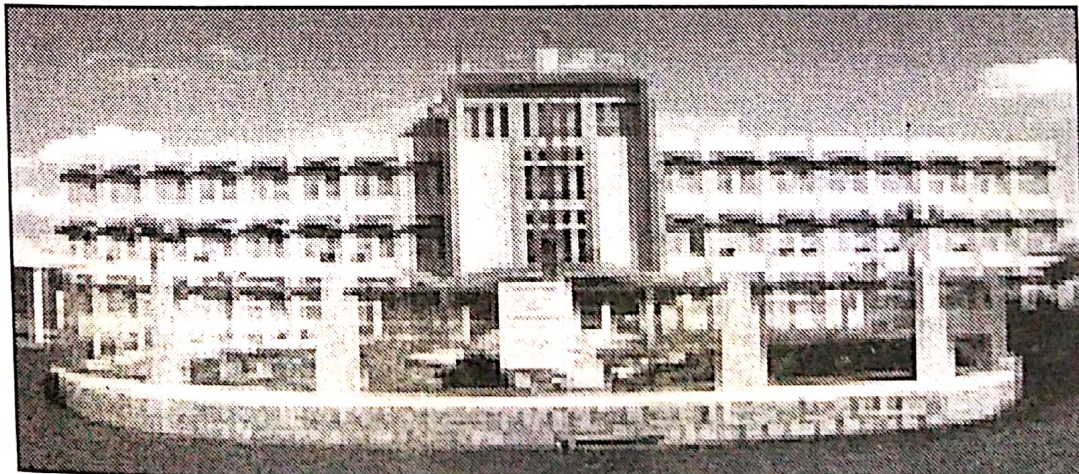
### PROFESSIONAL DEVELOPMENT PROGRAMMES

#### A. Courses sponsored by MHRD(GOI)

- 'O' level computer course
- 'A' level computer courses
- 'B' level computer course

#### B. Under Study Centre scheme of Makhanlal Chaturvedi National University of Journalism, Bhopal

- PGDCA







**GLOGIFT - 05**  
27 Dec. 05 – 30 Dec. 05  
International conference



on  
**Management of I.T. and Infrastructure for  
Flexibility and Competitiveness**

**Organised by Rajiv Gandhi Pradyogiki Vishwavidyalaya**

**TECHNICAL PROGRAMME SCHEDULE**

DATE	TIME	ACTIVITY	Main Hall	Hall - A	Hall - B	Hall - C	Hall - D
27 <sup>th</sup> Dec. 05	09.30-10.30	Registration	—	—	—	—	—
	10.30-13.00	Inaugural Session & Key note address	IS	—	—	—	—
	13.00-14.00	Lunch	—	—	—	—	—
	14.00-15.15	Invited Talk-I	Inv1-1	—	—	—	—
	15.15-15.30	Tea	—	—	—	—	—
	15.30-17.00	Tech. Session-I	—	TSA-1	TSB-1	TSC-1	TSD-1
28 <sup>th</sup> Dec. 05	10.00-11.15	Invited Talk -II	Inv2-2	—	—	—	—
	11.15-11.30	Tea	—	—	—	—	—
	11.30-13.00	Technical Session-II	—	TSA-2	TSB-2	TSC-2	TSD-2
	13.00-14.00	Lunch	—	—	—	—	—
	14.00-15.15	Invited Talk-III	Inv3-3	—	—	—	—
	15.15-15.30	Tea	—	—	—	—	—
29 <sup>th</sup> Dec. 05	15.30-17.00	Panel Discussion - I	PD-1	—	—	—	—
	10.00-11.15	Panel Discussion -II	PD-2	—	—	—	—
	11.15-11.30	Tea	—	—	—	—	—
	11.30-12.30	Technical Session-III	—	TSA-3	TSB-3	TSC-3	TSD-3
	12.30- 13.00	Valedictory Session	—	—	—	—	—
	13.00-14.00	Lunch	—	—	—	—	—
30 <sup>th</sup> & 31 <sup>st</sup> Dec. 05	14.00 to Evening	Visit (Bhopal City)	—	—	—	—	—
		Arranged, Self paid tour to Pachmari/Bhopal	—	—	—	—	—

**Legend:**

- TSA- 1 Decision Support System And Management Information System
- TSA- 2 Flexibility and Competitiveness
- TSA- 3 Integrated Product Development / Concurrent Engineering
- TSB- 1 Role of IT in Infrastructure Development
- TSB- 2 Urban Planning and Strategies for Development
- TSB-3 Construction Management
- TSC- 1 Technology Management and Transfer
- TSC- 2 Sustainable Power Development & Telecom Management
- TSC- 3 Sustainable Infrastructure Development
- TSD- 1 Business & Knowledge Management
- TSD- 2 Rural Resources and Development
- TSD- 3 Sustainable Infrastructure Development
- IS - Inaugural Session
- Inv1 - Invited Talk
- TS - Technical Session
- PD - Panel Discussion