

REPORT
ON
INTERNATIONAL AFFAIRS
BY
DR. TANUJA SHEOREY
COORDINATOR

ACADEMIC PROGRAMME

Under India-Japan academic collaboration various experts from prestigious universities and industries of Japan visit this Institute to impart technical education in the cutting edge technologies. The following were the experts who visited the Institute during the period from August 2010 to April 2011:

S. No	Name	Course	From	Duration
1.	Dr. Ryuji Takanuki	CS 409 Compiler Design		August 29 th to September 4 th , 2010
2.	Prof. Hutsuhiko Kato katofam@apricot.ocn.ne.jp	CS416 Advanced Computer Architecture	Akibacho Totsukaku, Yokohama, Japan	Sep 5 th to 25 th , 2010
3.	Prof. Hisa Ando	CS416 Advanced Computer Architecture		Sep 26 to Oct 2 nd , 2010
4.	Prof. Ito (Friction Factor) E Mail : itoy1525@u01.gate.01.com	ES 104 Engineering Literacy & Keynote address in DEW 2010	Mentor (ME) India-Japan collaboration project	Oct 7 th to Oct 17 th , 2010
	Prof. Ishihama (Gasoline Engines)	ES 104 Engineering Literacy & Keynote address in DEW 2010		
	Prof. Ishijuka (Heat Sink)	ES 104 Engineering Literacy & Keynote address in DEW 2010		
	Mr. Kinokiri (Vacuum Technology)	ES 104 Engineering Literacy & Keynote address in DEW 2010		
5.	Professor Ikuo Tanabe tanabe@mech.nagakaut.ac.jp	Application of new materials to industrial products	Nagaoka Science and Technical University, Japan	February 7 th to 12 th , 2011

6.	Prof. Kenichi Miura kenmiura@grid.nil.ac.jp	Parallel Processing	National Institute of Informatics, Tokyo	February 8 th to 12 th , 2011
7.	Professor Kenzou Nonami nonami@faculty.chiba-u.jp	In-process measurement and out-put signal processing: Application – Robotic and Mechatronics	VC, Chiba University	Feb 28 th to March 4 th , 2011
8.	Prof. Michiko Matsuda and Dr. Takanori Takano E Mail : ic.kanagawa-it.ac.jp	Artificial Intelligence: Theory and lab	Kanagawa Institute of Technology, Japan	March 1 st to 5 th
9.	Professor Ming YANG E mail : yang@tmu.ac.jp	Micro Metal Forming and Moulding	Tokyo Metropolitan University	February 28 th to March 5 th , 2011
10.	Mr. Takahide TOKAWA takahide_tokawa@mhi.co.jp	Precision Gear Production Technology	Manager, Mitsubishi Heavy Industries	March 7 th to 10 th , 2011
11.	Prof. Hisao Taoka E Mail : taoka@u-fukui.ac.jp	Smart Grid	Graduate School of Engineering, Electrical and Electronics Engineering, University of Fukui, Japan	March 14 th to 18 th , 2011
12.	Professor, Dr.-Eng. Masao ISHIHAMA ishihama@sd.kanagawa-it.ac.jp	Advanced Noise and Vibration Design of Automobile	Kanagawa Institute of Technology, Japan	March 29 th to April 1 st , 2011
13.	Prof. Takashi Nanya t.nanya@ak.wakwak.com	Dependable Computing	Mentor, India-Japan Collaboration, Associated with Canon Inc. Japan	March 29 th to April 2 nd , 2011
14.	Prof. Ibe hidefumi.ibe.hf@hitachi.com	Semiconductors devices	Hitachi industries, Japan	October 14, 2010
15.	Dr. Fujita	Innovation in Product design	Department of Electronic packaging and	October 12-14, 2010

			semi conductor devices and components, Toshiba Japan	
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DESIGN WORKSHOP

DeW 2010 :

The Institute held a Design Workshop (DeW 2010) in collaboration with the Japanese Academic Institutions and Industries, during October 11-15, 2010. Many national and international dignitaries attended the Workshop. The international dignitaries who attended the workshop were:

Professor Imre Horváth, Technische Universiteit Delft, the Netherlands

Professor Emeritus M. Kiuchi of the University of Tokyo, Japan

Professor Emeritus Y. Ito of Tokyo Institute of Technology, Japan

Professor M. Ishizuka of Toyama Prefecture University, Japan

Mr. K. Kinokiri of Past Senior Secretary of Japan Vacuum Industries Association

Professor Y. Ito, Tokyo Institute of Technology

Mr. Kenji Omoya of Okuma, Japan

Dr. Koichi Kuroda of Sumitomo Metal, Japan

Professor M. Ishizuka of Toyama Prefecture University, Japan

Dr. Y. Fujita of Toshiba, Japan

Professor M. Ishihama of Kanagawa Institute of Technology, Japan

Mr. Hitoshi Ushida, Torishima Pump Mfg. Co. Ltd., Singapore

Dr. Roltán Zusák, Technische Universiteit Delft, the Netherlands

Professor Dr.-Ing. Ralph Bruder, Institute for Ergonomics, TU Darmstadt, Germany

It was decided to make the event bi-yearly.

DeW 2011

This year PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur (IIITDMJ) is going to organize Mini design workshop on “Engineering design Process: Mind to market through case studies” during 2nd week of December 2011. The workshop aims at providing a platform

for interaction between the academicians and the designers / experts from the industry to discuss holistic approach of the design process from conceptual stage in mind to implementation stage i.e. market. Design teams from leading industries both from India and Japan will participate in the workshop and present their case studies. In addition there will be keynote addresses to be delivered by experienced designers / experts on various tools, techniques and methodologies of design process.

Prof. Ekehard Fozzy Moritz, Director of SportKreativWerkstatt, will be delivering keynote address on product innovation.

Apart from this, there will be presentations by teams from NSK Ltd. and Mitsubishi Electrics.

The talk with few India-based companies is in process for team presentation participation, like Micra, Nisan.

WORLD WIDE DESIGN CONSORTIUM (WWDSC)

A world wide design consortium has been established in partnership with the following universities across the globe:

- (a) Delft University of Technology, the Netherlands
- (b) PDPM Indian Institute of Information Tehnology Design & Manufacturing Jabalapur
- (c) Purdue University, United States of America
- (d) vaal University of Technology (VUT), South Africa
- (e) University of Medellin, Columbia

The main objectives of the Consortium is to address the present challenges in the product design namely:

- (a) Well-being
- (b) Knowledge economy
- © Globalization
- (d) Social networking
- (e) Sustainability
- (f) Digital virtualization

As a precursor to the World Wide Design Consortium (WWDSC) a course named "Product and Service Innovation through Ubiquitous Technology" is being launched with the international cooperation of the students from Columbia, India, The Netherlands, South Africa and the USA. The course will end with a workshop where all the student teams will make physical prototype of their project and exhibit (June 20-25).

World Wide Design Services Consortium Product and Service Innovation

A challenging course that can be followed as IDP!
International cooperation with students from

Colombia
India
the Netherlands
South Africa
USA

Goals of the course:

Do research in order to solve society problems
Generate knowledge for innovation and broker it
Find an interested company
Prototype your innovation ideas
Present them in a symposium/exhibition

Information:

Dr. ir. Niels CCM Moes, c.c.m.moes@tudelft.nl

Prof. Dr. Imre Horváth, i.horvath@tudelft.nl



Jabalpur



PURDUE
UNIVERSITY



Association

Vaal University of Technology

JENESYS PROGRAMME

To strengthen the collaboration and to identify the areas of cooperation, faculty members of the Institute visit Japan. In this context the following five faculty members of the Institute visited Japan under the JENESYS programme 2010 from November 28- December 25, 2010:

S. No	NAME	PLACE OF VISIT	COLLABARATION
1.	Dr. Rajib Kumar Jha	Department of Communication Engineering, Graduate School of Information Science and Technology, The university of Tokya.	With Dr. Kiyoharu Aizawa, Professor, Department of Communication Engineering, Graduate School of Information Science and Technology, The university of Tokya, Japan.
2.	Dr. Rajesh Kumar Pandey	Department of Mathematical Informatics , Graduate School of Information Science and Technology, The university of Tokya.	Project with Dr. Takayasu MATSUO, Professor , Department of Mathematical Informatics , Graduate School of Information Science and Technology, The university of Tokya, Japan.
3.	Dr. Prabin Kumar Padhy	Amada Co Ltd, Technology Research Institute, Japan	with Mr. Junichi KOYAMA, Amada Co Ltd, Technology Research Institute, Japan.
4.	Dr. Prashant Kumar Jain	Amada Co Ltd, Technology Research Institute, Japan	Collaborative project proposal underway with Mr. Junichi KOYAMA, Amada Co Ltd, Technology Research Institute, Japan
5.	Dr. Lokendra Kumar Balyan	Department of Computer Science, Graduate School of Information Science and Technology, The university of Tokya, Japan.	With Prof. Ishihama Ishihama of Kanagawa Institute of Technology, Japan.

Apart from faculty the students of the Institute visits Japan on exposure visits as well as on summer internships for short durations under JENESYS programme. Their visit was fully supported by Japan Government. This exposure visit of students helped them understand the education and training system of Japan. The industry people also explained the students the process of getting summer internships in some of the leading industrial labs. They also got an exposure to opportunities of higher education in

Japan. The following 15 students visited Japan under the JENESYS programme from May 16 – May 24, 2011 on short term basis :

1. Komal Dhawan
- 2.. Gauri Adani
3. Rishab Shrivastava
4. Chandani Singh
5. Manu Rakesh
6. Deewakar Shukla
7. Vivek Tiwari
8. Sachin Kumar
9. Aritra Santra
10. Vigyanshu Mishra
11. Shridhar Choudhary
12. Bhasha Agrawal
13. Abhijit Singh
14. Abhinav Singh
15. Saurabh Tiwari

The following students will be visiting Japan for for internships :

1. Mr. Abhinav Singh Suryavanshi , 4th year CSE - internship in Cannon Inc, Japan for six months
2. Mr. Jitendra Singh Chauhan , 4th year ME - Nakata Manufacturing Co. Ltd. Japan
3. Deepak Banthia PG , CSE - one month internship in GE Energy, Japan

MISCELLANEOUS

1. An MOU with Kanagawa Institute of Technology, Japan and Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design & Manufacturing Jabalpur was signed for promoting academic friendship and cooperation between the two institutions. A copy of the said agreement is reproduced below .

**Agreement of Academic Cooperation
between
Kanagawa Institute of Technology
and
Pandit Dwarka Prasad Mishra
Indian Institute of Information Technology, Design & Manufacturing Jabalpur**

Pandit Dwarka Prasad Mishra Indian Institute of Information Technology, Design & Manufacturing (IIIT-DM) Jabalpur, India and Kanagawa Institute of Technology (KAIT), Kanagawa, Japan conclude herewith an agreement for promoting academic friendship and cooperation between the two institutions with the following objectives:

1. Each institution will make efforts to promote and develop cooperation in the following areas of activities upon the principles of equality and reciprocity:
 - 1.1 Coordination and promotion of jointly agreed programmes;
 - 1.2 Mutual Exchange of Academic information / materials / publications;
 - 1.3 Cooperation in executing the jointly agreed programmes;
 - 1.4 Exchange of faculty and students for teaching/training and research;
 - 1.5 Conducting joint research activities, publications and organizing symposiums / workshops / conferences;
 - 1.6 Such other matters discussed and as agreed upon by both the institutions.
2. In order to carry out the above-mentioned objectives, a detailed action plan will be formulated after consultation between academic units of the two institutions for matters jointly agreed upon under this Agreement.
3. For decision about any supplement to this agreement or any new area of cooperation the two institutions will discuss on case to case basis.
4. Under Faculty / Student Exchange Programmes international travel of a Faculty / Student will be borne by the parent Institute and the local hospitality will be borne by the host Institute. Number of Faculty / Students for exchange will be decided on mutually agreed other terms if any, depending on the availability of funds before the commencement of each fiscal year.
5. This Agreement is effective upon the date of signature by the representatives of the institutions and shall operate for five years. The progress of activities under this agreement shall be reviewed annually and if necessary a new agreement on mutually agreed terms could be signed.
6. This Agreement may be terminated at any time by mutual consent or by three months notice by either Institution to the other.

July 29th 2009

July 29, 2009

Kazumi Komiya
Kazumi Komiya, Eng. D.
President
Kanagawa Institute of Technology
Kanagawa, Japan

Aparajita Ojha
Aparajita Ojha, Ph. D.
Director
DPM Indian Institute of Information Technology,
Design & Manufacturing
Jabalpur, India

3. An MoU between PDPM Indian Institute of Information Technology, Design & Manufacturing Jabalpur and the University of Limerick, Ireland is underway for mutual cooperation and partnership in the area of Design. An extract of the draft MoU is presented below :



MEMORANDUM OF UNDERSTANDING

BETWEEN

**PDPM-INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN &MANUFACTURING
JABALPUR, INDIA**

AND

UNIVERSITY OF LIMERICK, IRELAND

The objective of this memorandum is to establish new collaboration between PDPM-Indian Institute of Information Technology Design & Manufacturing Jabalpur in India and University of Limerick in Ireland. The following arrangements will operate to evolve a partnership in the spirit of friendship and on the basis of equality and mutual benefit to both the Institutes and the countries at large.

1. The main goals and objective of this of collaboration will include:
 - I. Shared academic research activities, exchange of students and staffs for short-term visits and shared organization of workshops and symposia
 - II. Joint dissemination activities including research publications and best practice guides
 - III. Joint classes and projects at classroom level involving students of both the institutes and guided by faculty members from either of the institutes or jointly by faculty members from both the institutes at designated times of the year based on the convenience of both the institutes.
 - IV. Training of faculty/technical staff members of both the institutes at each others facilities, for specific duration

- V. Suitable hostel accommodation for the students and guest house accommodation for faculty/staff members would be provided free of cost by the host institute when students and faculty/staff members visit each others institute.



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2. Any cooperative programs in the above areas would be set up in accordance with the formal agreement and after the completion of recognition procedures in the two institutions in their respective countries.
 3. The Memorandum shall remain in force for a period of five years commencing from the date of signing and may be reviewed by mutual consent by serving six months written notice to the other party. Upon renewal, the terms will have been agreed. New terms may be agreed as part of a renewed understanding.
 4. Both the PDPM-Indian Institute of Information Technology Design & Manufacturing Jabalpur India and University of Limerick Ireland, reserve the right to terminate this memorandum by either party giving six months written notice to the other party. Where such termination occurs, the provisions of this memorandum shall continue to apply to ongoing activities until their completion.
 5. Participating faculty/staff and students involved in any activities under this memorandum must adhere to the rules and regulations of the host institutions and their countries.
 6. Nothing in this memorandum shall be construed as creating any legal relationship between the parties. The memorandum is a statement of intent to foster a genuine and mutually beneficial collaboration.
 7. The PDPM-Indian Institute of Information Technology Design & Manufacturing Jabalpur, India and University of Limerick, Ireland, welcome the establishment of this memorandum for cooperation and jointly agree to the provisions as set out above. There will be two copies of this memorandum equally valid, one for each party, effective from the date of its signing.

Professor A Ojha
Director
PDMP- Indian Institute of Information
Technology Design& Manufacturing
Jabalpur, India

Professor D Barry
President
University of Limerick
Ireland

4. Mr. Vineet Singh student of 2006 batch (passed out), had been offered MS in Computer Science from Nagoya Institute of Technology, Japan.
5. In addition, number of students have received job offer after their visit of Japan, based on their performance.