

## **CIIR ACTIVITIES**

### **10 May 2007 – 9 July 2007**

#### **(I) Activity Highlight: I\*I course implementation at UG/PG levels**

**Conducting classes/counseling, paper setting and semester/annual examinations for  
I\*I course at UG level for  
B.E. (Electronics) degree at University of Pune (UoP), Pune  
and at PG level for  
M.Phil. (IT) degree at YCMOU University, Nashik**

**Overview:** CIIR Activity Report for period 26 March – 9 May 2007 reported I\*I course offering details through September 2006- May 2007 **(a)** at UG level for B.E. (Electronics) Degree, University of Pune (UoP) *for core Course (404210) MIS* and **(b)** at PG level at SNDT Women's University, Mumbai for MCA degree for *elective course Information Integrity* (this course implementation completed in December 2006), at IMT, Ghaziabad for MBA degree *for elective course Business Modeling with Systems Dynamics (BMSD)* (this course implementation completed in March 2007) and at YCMOU, Nashik for M.Phil. (IT) degree *for course Integrity Information System (IIS)*.

CIIR Activities during period 10 May 2007 – 9 July 2007 are mainly the detailed day-to-day course delivery tasks in respect of implementation of I\*I education **(i)** at UG level for B.E. (Electronics) degree at University of Pune (UoP), Pune – total 446 students took MIS course examination held on June 9, 2007 - and **(ii)** at PG level for M.Phil. (IT) degree at YCMOU University, Nashik through activities of: course counseling, examinations' work, paper setting, conducting of student seminars, evaluation of assignments, planning for I\*I courses and student research projects/assignments for the coming semester, etc.

#### **(II) Activity Highlight: Research**

During the period through December 2006 – April 2007, I\*I researchers - Natasha Kapoor (Amdocs, Pune), Reema Khurana (IMT, Ghaziabad) and Vijay - worked on research paper entitled "Information Integrity A Critical Factor in Software Safety, Security and Reliability".

The paper was submitted to the secretariat of the *International Conference on Reliability Maintainability and Safety (ICRMS2007)* to be held at Beijing, China from Aug. 22 26, 2007.

In its e-mail on May 6, 2007, the Conference Secretariat informed acceptance of the paper for ICRMS2007. The referred paper is reviewed as "Good".

As per the conference requirement finalized paper was submitted to the Conference Secretariat on May 31, 2007.

#### **(III) Overview of Main CIIR Activities**

From May 10, 2007 – July 9, 2007, CIIR pursued research & education activities of: (1) Conducting of counseling for M. Phil. (IT) degree course "Integrity Information System" (IIS) at

YCMOU's Study Centers at (a) Dept. of Computer Science & IT, HPT Arts and RYK Science College, Nashik, (b) Dept. of Computer Science & IT, Kirti College, Mumbai, (c) IMTR, Aurangabad, and at (d) Dept. of Computer Science & IT, Shivaji Science College, Nagpur; (2) Participation in examinations' work; (3) University of Pune Course (404210) MIS examination held on June 9, 2007; Core Course MIS under B.E. (Electronics) Degree, UoP is offered as introduction to I\*I; (4) Conducting of One-Day I\*I Research W/S at Sinhgad Technical Society on June 10, 2007; (5) I\*I research interactions with experts; (6) Conducting IIS course seminars for M.Phil. (IT) students at YCMOU's Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune; (7) Evaluation of IIS course assignments for M.Phil. (IT) students at YCMOU's Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune; (8) Second offering of I\*I based course "Business Modeling with System Dynamics" (BMSD) planned by Institute of Management Technology (IMT) Ghaziabad from September-December 2007; (9) I\*I research paper finalization and submission to the International Conference (ICRMS2007) to be held at Beijing, China from Aug. 22-26, 2007; Conference Secretariat conveyed paper acceptance in May 2007; (10) Research interactions with I\*I researchers; and (11) Visit to CIIR, Pune by Dr. S. Ramesh, GM Technical Center, Bangalore, for research discussions on July 7, 2007.

The CIIR activities, mentioned above, are briefly described here.

1. **Conducting of Counseling for M. Phil. (IT) degree course "Integrity Information System" (IIS)**

Yashwantrao Chavan Maharashtra Open University (YCMOU) at Nashik, Maharashtra, India under its M. Phil. Degree in Information Technology (IT) offers a course (subject) "Integrity Information System" (IIS). School of Computer Science of YCMOU, which administers the computer science and IT degree education of the University, is currently conducting the course from November 2006- August 2007. M. Phil. Degree programs of YCMOU are designed as research programs for serving teaching faculty and about 90 faculty members are undergoing M. Phil. (IT) program during academic years 2006-07. YCMOU conducts the open education at the University's study centers, where course- counseling sessions are implemented. Prof. Mandke is a counselor for "IIS" course.

a) **At YCMOU's Nashik Study Center at Dept. of Computer Science & IT, HPT Arts and RYK Science College, Nashik.**

From May 11-15, 2007, Prof. Mandke conducted IIS course counseling at YCMOU's Nashik Study Center at Dept. of Computer Science & IT, HPT Arts and RYK Science College, Nashik. Prof. (Mrs.) Dipita Dhande, Dept. of Computer Science & IT, and Coordinator, YCMOU Study Center at HPT Arts & Science College, Nashik, organized the counseling.

b) **At YCMOU's Mumbai Study Center at Dept. of Computer Science & IT, Kirti College, Mumbai.**

From May 19-21, 2007, Prof. Mandke conducted IIS course counseling at YCMOU's Mumbai Study Center at Dept. of Computer Science & IT, Kirti College, Mumbai. Dr. (Mrs.) Seema Purohit, Head, Dept. of Computer Science & IT, and Coordinator, YCMOU Study Center at Kirti College, Mumbai organized the counseling.

c) **At YCMOU's Aurangabad Study Center at IMTR, Aurangabad.**

From May 28 – June 1, 2007, Prof. Mandke conducted IIS course counseling at YCMOU's Aurangabad Study Center at IMTR, Aurangabad. Mr. Jaulkar, Coordinator, YCMOU Study Center at IMTR, Aurangabad organized the counseling.

d) **At YCMOU's Study Center at Dept. of Computer Science & IT, Shivaji Science College, Nagpur**

From June 16-19, 2007, Prof. Mandke conducted IIS course counseling at YCMOU's Nagpur Study Center at Dept. of Computer Science & IT, Shivaji Science College, Nagpur. Prof. Mahendra Dhore, Faculty of Dept. of Computer Science & IT, and Coordinator, YCMOU Study Center at Shivaji Science College, organized the counseling program.

2. **Examinations work**

From May 21 – June 7, 2007, Prof. Mandke participated in examination related work activities for YCMOU, Nashik.

3. **University of Pune Course (404210) MIS examination held on June 9, 2007; Core Course MIS under B.E. (Electronics) Degree, UoP is offered as introduction to I\*I.**

University of Pune (UoP) under its UG level B.E. (Electronics) Degree offers a *core course (404210) Management Information Systems (2003 Course)*. For this course, which is implemented at 10 engineering colleges across the State of Maharashtra, the semester end examination was conducted on June 9, 2007. Total 446 students took the examination.

4. **Conducting of One-Day I\*I Research W/S at Sinhgad Technical Society on June 10, 2007.**

One-Day I\*I Research Workshop was organized on June 10, 2007 at Sinhgad Technical Society's Smt. Kashibai Navle College of Engineering. Following I\*I researchers attended the W/S: Prof. Pandurang Patil, Prof. (Ms.) Manisha Dale, Prof. Milind Mali, Ms. Natasha Kapoor, Prof. Kashinath Munde, Prof. (Mrs.) Smita Patil, and Prof. Vijay Mandke.

Ms. Natasha Kapoor anchored the w/s deliberations. Prof. Milind Mali organized the w/s.

5. **I\*I research interactions with experts.**

During the period under consideration CIIR had I\*I research interactions with following experts:

- a) Dr. S. M. Padwal on June 12, 2007.
- b) Dr. C.S. Warnekar, Principal, Cummins College of Engineering for Women, Pune on June 15, 2007.
- c) Dr. Pratibha Joshi on June 15, 2007.
- d) Mrs. Sneha Thombre, Faculty, Dept. of Electronics & Telecommunications, Cummins College of Engineering for Women, Pune on June 15, 2007

**6. Conducting IIS course seminars for M.Phil. (IT) students at YCMOU's Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune.**

On June 16, 2007, for course *Integrity Information System (IIS)*, Prof. Mandke conducted seminars for YCMOU's Pune Study Center students at Wadia College, Pune. The seminar session was organized by Dr. (Mrs) S. C. Shirwaikar, Head, Dept. of Computer Science & IT. Following seminars were presented:

- a) Ms. Poonam Ponde on "Theory of Error and Accident".
- b) Mrs. Smita Patil on "Need for Open System View of Business Process".
- c) Mrs. Nidhi Satavlekar on "Information Pollution".
- d) Mrs. Shakila S. on "Information Systems-Challenges & Threats".
- e) Ms. Rupalli Rachcha on "System Dynamics Modeling and I\*I Technology Development".
- f) Mrs. Bhagyalaxmi Surve on "Elements of information origination process and causes of uncertainties therein".

**7. Evaluation of IIS course assignments for M.Phil. (IT) students at YCMOU's Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune.**

During the period June 26 – July 4, 2007, Prof. Mandke participated in evaluation of IIS course assignments for M.Phil. (IT) students at YCMOU's Pune Study Center at Wadia College, Pune. Assignments were based on the seminar presentations (by the students) mentioned in Item (6) above.

**8. Second offering of I\*I based course "Business Modeling with System Dynamics" (BMSD) planned by Institute of Management Technology (IMT) Ghaziabad from September-December 2007.**

During its tri-semester administered from January 2007 - March 13, 2007, Institute of Management Technology (IMT), Ghaziabad, under its Full-Time Management program *Post-Graduate Diploma in Business Management (PGDBM)*, implemented the first offering of the course "Business Modeling with Systems Dynamics" (BMSD).

Course ***BMSD*** is designed as an analytical, advanced level introduction to information integrity technology for business modeling for competitive advantage in complex and changing market environment. CIIR Site [ciir.org.in](http://ciir.org.in) gives the details of the course. Prof. Mandke was invited by IMT to conduct the course in the capacity of the Instructor-In-Charge.

IMT has now planned the second offering of the course from September-December 2007. Prof. Reema Khurana, IMT, Ghaziabad will be the Course I/C. Prof. Mandke, in the expert capacity, is in interaction with Prof. Khurana in the task of the course planning.

**9. I\*I research paper finalization and submission to the International Conference (ICRMS2007) to be held at Beijing, China from Aug. 22-26, 2007; Conference Secretariat conveyed paper acceptance in May 2007.**

During the period through December 2006 – April 2007, I\*I researchers Natasha Kapoor (Amdocs, Pune), Reema Khurana (IMT, Ghaziabad) and Vijay worked on research paper entitled “Information Integrity A Critical Factor in Software Safety, Security and Reliability”.

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In its e-mail on May 6, 2007, the Conference Secretariat informed the acceptance of the paper for ICRMS2007. The referred paper is reviewed as “Good”.

The finalized paper was submitted to the Conference Secretariat by May 31, 2007.

**10. Research interactions with I\*I researchers**

During the period under consideration, following I\*I research interactions were undertaken:

- a) With Prof. Milind Mali, Natasha Kapoor on June 27, 2007;
- b) With Dr. Bharat Choudhury, Dean Academic, I<sup>2</sup>IT, Hinjewadi, Pune and Prof. Pandurang Patil on July 5, 2007.

**11. For I\*I research discussions on July 7, 2007, visit to CIIR, Pune by Dr. S. Ramesh, GM Technical Center, Bangalore.**

From July 6-8, 2007, Dr. S. Ramesh, GM Technical Center, Bangalore visited CIIR Pune for I\*I research discussions. Discussions were held on July 7, 2007 in two phases.

- a) **Phase I:** From 10:00 Hrs. – 14:30 Hrs., Prof. Vijay Mandke and Natasha Kapoor presented to Dr. Ramesh their latest research investigations concerning I\*I research issues particularly in the context of development of I\*I Technology model through a feedback structure and its computer simulation.
- b) **Phase II:** From 16:30 Hrs. to 19:30 Hrs, I\*I research discussion meeting took place in which following participated: Dr. Ramesh, Prof. Pandurang Patil, Prof. Manisha Dale, Prof. Mahesh Godur, Prof. Milind Mali, Natasha Kapoor, Prof. Kashinath Munde, and Prof. Vijay Mandke. The discussions revolved around following agenda:
  - c) Discussion agenda:
    - i. Brief presentation by Prof. Mandke on research in “Designing I\*I Technology”,
    - ii. Brief presentation by Natasha on research in “Integrating business process with technology design process using I\*I Technology”,
    - iii. Brief presentation by Pandurang/ Manisha/ Mahesh on MIS course implementation – Overview and Planning for coming year,
    - iv. Reporting by Manisha Dale, Kashinath, Milind Mali, and Natasha Kapoor on research papers contributed by them since December 2006,

- v. Reporting by Prof. Mandke on:
  - 1. "IIS" course implementation under M. Phil. (IT) at YCMOU,
  - 2. Planning Research projects implementation in August- December 2007.
- vi. Brief presentation by Natasha Kapoor on "Future developmental tasks in connection with CIIR Web site".
  - 1. How to make it more suitable for I\*I related course delivery as program, courses, institutions, and student nos. are on increase? How can we create proper organization?
- vii. Brief presentation by Prof. Mandke and Natasha Kapoor on I\*I course at IMT.
- viii. Brief presentation by Prof. Pandurang Patil, Prof. Manisha Dale, and Natasha Kapoor on "Interface with Rajan Gosavi, CIIR's IIR Site Technical Administrator".
- ix. Brief presentation by Prof. Milind Mali on planning for I\*I W/S and for I\*I convention.
  - 1. On more formalized approach to establishing I\*I research community,
- x. On "Organizing National Seminar on I\*I": Discussion leaders: Milind and Natasha,
- xi. A Formative discussion- Discussion leaders: Natasha and Manisha
  - 1. Subject: Key to greater achievements is forming effective teams that can use IT efficiently.
- xii. Suggestions by participants: Discussion leader- Manisha,
- xiii. Observations, suggestions and guidance by Dr. Ramesh.
- xiv. Vote of Thanks by Milind.

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