

CIIR ACTIVITIES
26 March 2007 – 9 May 2007

(I) Activity Highlight: I*I Education at UG/PG levels

**Implementation of Information Integrity education
at UG level for
B.E. (Electronics) degree at University of Pune (UoP), Pune
and at PG level for
M.Phil. (IT) degree students at YCMOU University, Nasik**

Overview: CIIR Activity Report for period 1 October 2006 – 25 March 2007 reported strides made by CIIR in areas of I*I education, research and in networking with institutions and professionals for widening I*I researcher and educator community base, particularly by way of implementation of Information Integrity (I*I) courses in universities at UG/PG levels. Specifically, during the period, CIIR's I*I course implementation mission was expanded to cover total 4 courses - 3 PG level and 1 UG level - under the aegis of 4 different universities, namely, S.N.D.T University, Mumbai, YCMOU, Nasik, IMT, Ghaziabad (near Delhi) (all offering PG level I*I courses) and University of Pune (UoP) (offering UG level course). These I*I course offerings spanning a broad spectrum of disciplines, namely, computer science (S.N.D.T.), information technology (YCMOU), management (IMT), and electronics engineering (UoP) target in all student intake capacity of over 700 students (credit as well as subject exposure seeking students) coordinated by about 14 teachers/counselors at 16 different institutions/study centers.

I*I course implementation at the PG Department of Computer Science of S.N.D.T. University was undertaken from June-December 2006, while I*I based course "Business Modeling through System Dynamics Approach" (BMSDA) at IMT, Ghazibad was implemented through January-March 2007.

CIIR Activities during period 26 March 2007 – 9 May 2007 are devoted to the tasks of implementation of I*I education at UG level for B.E. (Electronics) degree at University of Pune (UoP), Pune and at PG level for M.Phil. (IT) degree students at YCMOU University, Nasik through activities of: course lectures' workshops for students, counseling, examinations' work, planning for student seminars, planning for I*I research & education in the coming semester, etc.

(II) Activity Highlight: Research

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

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 has informed the acceptance of the paper for ICRMS2007. The referred paper is reviewed as “Good”.

Now the finalized paper is to be submitted by May 31, 2007.

(III) Overview of Main CIIR Activities

From March 26, 2007 – May 9, 2007, CIIR pursued research & education activities of: (1) Conducting One-Day Teaching W/S on the course “Management Information System” for students of B.E. (Electronics) Degree at Pravranagar Rural Engineering College, Pravranagar on April 5, 2007; (2) Participation in examinations’ work; (3) Conducting of Counseling for M. Phil. (IT) degree course “Integrity Information System” (IIS) at YCMOU’s Study Center at Dept. of Computer Science & IT, Wadia College, Pune; (4) Planning Counseling for M. Phil. (IT) degree course “Integrity Information System” (IIS) at YCMOU’s study centers at Nasik, Mumbai and Aurangabad, (5) Planning for seminars for M. Phil. (IT) degree IIS course students at YCMOU’s Pune Study center; (6) Planning for Research projects by M. Phil. (IT) students to be undertaken during August-December 2007; (7) Second offering of I*I based course “Business Modeling through System Dynamics Approach” (BMSDA)” planned by Institute of Management Technology (IMT) Ghaziabad during academic year 2007-08; and (8) Working on I*I research paper; (9) I*I Research Interactions.

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

1. **Conducting One-Day Teaching W/S on the course “Management Information System” for students of B.E. (Electronics) Degree at Pravranagar Rural Engineering College, Pravranagar on April 5, 2007.**

Pravranagar Rural Engineering College, Pravranagar, Maharashtra, conducted one-day teaching w/s on April 5, 2007 on subject “Management Information System” for its students of B.E. (Electronics) Degree.

Prof. Mandke was invited to conduct the day-long workshop in expert capacity. Prof. Gokhale, Head, Dept. of Electronics and Prof. Bhambra, Dept. of Electronics, organized the w/s, which was attended by over 30 students and faculty of the Electronics Dept.

2. **Participation in examinations’ work**

University of Pune (UoP) examinations for subjects (courses) taught through January 2007-June 2007 will be held through May-June 2007. In his capacity as subject expert for I*I based MIS course under B.E. Electronics degree, Prof. Mandke participated through 26 March 2007 – 8 April 2007 in examinations work for course MIS.

3. **Conducting of Counseling for M. Phil. (IT) degree course “Integrity Information System” (IIS)**

Yashwantrao Chavan Maharashtra Open University (YCMOU) at Nasik, 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- December 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 Study Center at Dept. of Computer Science & IT, Wadia College, Pune.**

On April 11 and 13 and on May 4-5, 2007, Prof. Mandke conducted IIS course counseling at YCMOU's Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune. Natasha Kapoor, I*I researcher, assisted Prof. Mandke in this counseling activity. Dr. (Mrs.) S. C. Shirwaikar, Head, Dept. of Computer Science & IT and Coordinator, YCMOU Study Center at Wadia College organized the counseling program.

4. **Planning Counseling for M. Phil. (IT) degree course "Integrity Information System" (IIS)**

From April 15-25, 2007, Prof. Mandke was involved in planning for counseling at YCMOU's study centers at Nasik, Mumbai, and Aurangabad. Accordingly, Prof. Mandke will be conducting these counseling sessions for YCMOU's M.Phil. (IT) students between May 12-26, 2007.

5. **Planning for seminars for M.Phil. (IT) course IIS at YCMOU's Pune Study center**

During April 11, 2007 – May 5, 2007, Prof. Mandke participated in planning for seminars by IIS course students of M.Phil. (IT) at YCMOU's Pune Study Center. The seminars are planned for the second week of May.

6. **Planning for Research projects by M. Phil. (IT) students to be undertaken during August-December 2007**

On May 20, 2007, Prof. Mandke participated in a meeting at YCMOU, Nasik to plan for research projects to be undertaken by YCMOU's M. Phil. (IT) students during the period August-December 2007.

7. **Second offering of I*I based course "Business Modeling through System Dynamics Approach" (BMSDA) planned by Institute of Management Technology (IMT) Ghaziabad**

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 through Systems Dynamics Approach” (BMSDA).

Course ***BMSDA*** 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 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 during the academic year 2007-08. Accordingly Prof. Mandke is in interaction with IMT in planning the details of the course offering.

8. Working on I*I research paper

During the period through December 2006 – April 2007, Natasha Kapoor, Reema Khurana, and Vijay worked on research paper entitled “Information Integrity A Critical Factor in Software Safety, Security and Reliability”.

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9. I*I Research Interactions

During the period under consideration, from time to time, Vijay conducted various I*I research interactions with CIIR research group members.

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