

CIIR ACTIVITIES
1 October 2006 – 25 March 2007

(I) Activity Highlight: Education

**Implementation of Information Integrity education
at UG level for
B.E. (Electronics) degree at University of Pune (UoP), Pune
and at PG level for
Master of Computer Science (MCA) degree students at SNTD University, Mumbai, for
M.Phil. (IT) degree students at YCMOU University, Nashik and for
MBA degree students at IMT, Ghaziabad**

Overview: CIIR Activity Report for period 1 June -30 September 2006 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 introduction of Information Integrity courses in universities at UG/PG levels. CIIR Activities during period 1 October 2006 – 25 March 2007 are devoted to the tasks of implementation of these courses.

Specifically, during the period under consideration, CIIR has participated in I*I course implementation mission, which involves student intake capacity of over 700 students (credit and subject exposure seeking) coordinated by about 14 teachers/counselors at 16 different institutions/study centers under the aegis of 4 different universities at 4 different locations, namely, Pune, Mumbai, Nashik, and Ghaziabad (near Delhi).

PG level Education at SNTD University and at IMT: Course implementation for PG level computer science course “Information Integrity” for MCA degree students of SNTD Women’s University, Mumbai, which (i.e., course implementation) started in June 2006, was completed by December 2006, while that (implementation) for PG level management course “Business Modeling through System Dynamics Approach” (BMSDA) under the PG Diploma in Business Management at IMT, Ghaziabad was completed during the period January-March 2007. Total 47 students studied these two PG level courses.

UG level education at UoP: Further, during January-May 2007, 10 engineering institutions spread across the State of Maharashtra with total B.E. (Electronics) Degree student intake capacity of about 500 under University of Pune (UoP) are implementing core course “MIS”, which is a UG level introduction to integrity of information system and information there from (actual number of students attending the course will vary as it depends on actual admissions to the institutions offering the degree program and the student eligibility).

Conducting One-day Teacher Training W/S for MIS course: As I*I education is spreading, one of the most critical need is teacher training. As a result, from June 2006 onwards, apart from assisting the UoP Board of Studies and faculty (for electronics discipline) in the task of MIS course development, CIIR has also participated in conducting three one-day- teacher- training

w/s for the teachers of 10 engineering institutions, which are currently (from January 2007 onwards) offering the course.

Conducting One-day Teaching W/S for Students of MIS course: As the regular course teaching has begun from January 2007, yet another offshoot of this total CIIR involvement in MIS course conducting is CIIR participation in conducting of day-long teaching workshops for students of different institutions. To this date, two such workshops have been conducted.

Conducting of “IIS” course under open education through YCMOU’s M. Phil. (IT) degree: Starting November 2006, ongoing implementation of “Integrity Information System” (IIS) course under M. Phil. (IT) degree program of YCMOU is yet another important activity CIIR has been involved in during the period under consideration. This course targets teaching faculty and is conducted through open education. As a result about 90 teachers from institutions across Maharashtra are studying Information Integrity subject area. Teacher training on this dimension will go a long way in the dissemination of I*I knowledge. Further after the current course learning is over, some faculty studying the course may even opt to do research projects in I*I area. This will only further strengthen I*I education and research initiatives, which are now coming to the fore.

(II) Activity Highlight: Research

During the period under consideration, I*I researchers presented research papers at two international conferences:

- International Research Conference on *Quality, Innovation and Knowledge Management*, organized by Monash University, Australia at New Delhi, India, February 11-14, 2007.
- 1st International Conference on *Information Systems, Technology and Management*, jointly organized by University of Florida and IMT, Ghaziabad, held at New Delhi, March 12-13, 2007.

(III) Overview of Main CIIR Activities

From October 1, 2006 – March 25, 2007, CIIR pursued research & education activities of: (1) Completion of Information Integrity course at SNDT University, Mumbai; (2) Implementation of course “Business Modeling through System Dynamics Approach” at Institute of Management Technology (IMT) Ghaziabad; (3) Conducting of counseling for M. Phil. (IT) degree course “Integrity Information System” (IIS) at (a) YCMOU’s Mumbai Study Center at Dept. of Computer Science & IT, Kirti College, Mumbai; (b) at YCMOU’s Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune; (c) at YCMOU’s Nashik Study Center at Dept. of Computer Science & IT, HPT Arts and RYK Science College, Nashik; and (d) at YCMOU’s Aurangabad Study Center at IMTR, Aurangabad; (4) Participation in Third Day-Long Teacher Training Workshop conducted at Dr. D. Y. Patil College of Engineering for “Management Information System” course; (5) Conducting One-Day Teaching W/S on the course “Management Information System” for students of B.E. (Electronics) Degree at Maharashtra Academy of Engg. on March 3, 2007; (6) Conducting One-Day Teaching W/S on the course “Management Information System” for students of B.E. (Electronics) Degree at AISSMS’s Women’s College of Engg., Shivajinagar, Pune on March 24, 2007; (7) Presentation of I*I research paper at International Research Conference on *Quality, Innovation and Knowledge*

Management organized by Monash University, Australia at New Delhi, India, February 11-14, 2007; (8) Presentation of I*I research paper at 1st International Conference on Information Systems, Technology and Management jointly organized by University of Florida and IMT, Ghaziabad, held at New Delhi, March 12-13, 2007; (9) Delivering invited lecture at SNDT University, Mumbai; (10) Delivering invited lecture at Sinhgad Technical Education Society, Pune; (11) Delivering invited lecture at College of Engineering, Pune; and (12) I*I Research Interactions.

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

1. Completion of Information Integrity course at SNDT University, Mumbai

In the 1st Semester of the Academic Year 2006-07, the Post-Graduate (PG) Department of Computer Science, S.N.D.T. Women's University, Juhu Campus, Mumbai offered "*Information Integrity*" course as an elective course category under the University's Master of Computer Applications (MCA) degree program. This was the second offering of *Information Integrity* course at S.N.D.T. Women's University, Mumbai (the first offering was in 1st Semester of the Academic Year 2005-06).

Prof. Mandke taught this course. Course lectures were held every week over the period July – November 24, 2006. The complete course with all examinations was implemented from June - December 12, 2006. Total seven students attended this course.

2. Implementation of course "Business Modeling through System Dynamics Approach" at 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 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 centerforinformationintegrityresearch.org gives the details of the course.

The first round of the lecture series for the course was conducted from January 24-28, 2007. Prof. Mandke was invited by IMT to deliver these lectures. The second round of the lecture series was conducted from February 22-27, 2007. Prof. Mandke and Ms. Natasha Kapoor, who did her master's project at CIIR, were invited to deliver the second series of lectures.

Total 40 management students attended this elective course, for which Prof. Mandke was the Course Instructor- In- Charge in visiting expert capacity.

3. 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- 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 Mumbai Study Center at Dept. of Computer Science & IT, Kirti College, Mumbai.

From November 4-5, 2006 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.

b) At YCMOU’s Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune.

From November 11-14, 2006 Prof. Mandke conducted IIS course counseling at YCMOU’s Pune Study Center at Dept. of Computer Science & IT, Wadia College, Pune. Dr. (Mrs.) S. C. Shirwaikar, Head, Dept. of Computer Science & IT and Coordinator, YCMOU Study Center at Wadia College, Pune organized the counseling.

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

From November 25-28, 2006 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.

d) At YCMOU’s Aurangabad Study Center at IMTR, Aurangabad.

From December 26-30, 2006 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.

4. Participation in Third Day-Long Teacher Training Workshop conducted at Dr. D. Y. Patil College of Engineering for “Management Information System” course

Background:

CIIR Activity Reports of 31st May and 30th September 2006 have reported that, from the Academic year 2006-07, University of Pune (UoP) under its B.E. (Electronics) Degree program has introduced, at the 4th and final year level, a UG Course *Subject No. 404210 Management Information System (MIS)*. The course is designed as an introduction to Information Integrity of Information Systems (IS) and Information therefrom. It is a semester long 100 marks core paper with weekly 4 hrs. lecture teaching. CIIR Activity Report of 31st May 2006 has given the course

content in brief. And CIIR Activity Report of 30th September 2006 in Appendix 2 has given the detailed course syllabus.

Under University of Pune, 10 engineering colleges offer B.E. Electronics Degree. These colleges are spread across the Indian Western State of Maharashtra. Colleges are located at various cities/towns, namely, Pune, Alandi, Pimpri, Hadapsar, Ahamadnagar, Copergaon, Pravaranagar, Nashik, Sangamner, etc. The first offering of *the course Subject No. 404210 MIS* is from January-May 2007.

It is to facilitate the “MIS” course offerings at above UoP engineering institutions that, as reported in above mentioned CIIR Activity Reports, two Teacher Training Workshops have been conducted in Pune. The first day-long w/s was in July 2006 and was organized by the Electronics Department of the AISSMS’s College of Engineering, Pune, and the second in August 2006 by the Dept. of Electronics of Maharashtra Academy of Engineering’s College of Engineering.

Third One-Day Teacher Training Workshop at Dr. D.Y. Patil College of Engg.:

Within the same framework of I*I teacher training objective as above, during the CIIR Activity period currently under consideration (i.e., October 2006-March 2007), the third Day-long w/s was held at Dr. D. Y. Patil College of Engineering at Chinchwad, Pune, on February 3, 2007. Prof. Bhavana, Dept. of Electronics, Dr. D.Y. Patil College of Engineering coordinated the w/s proceedings. Prof. Shedge, Member, Board of Studies for Electronics Discipline, UoP and Head, Dept. of Electronics, AISSMS’s Women’s College of Engineering, Shivajinagar, and Principal, Dr. D. Y. Patil College of Engineering, Pune were the chief guests.

Prof. Mandke, CIIR, Prof. Manisha Dale, Head & Asst. Prof., Dept. of Electronics & Telecommunications (E&T), Modern Education Society’s College of Engg., Pune, and Prof. P. A. Patil, Head, Dept. of Electronics, AISSMS’s College of Engineering, Shivajinagar, conducted the w/s in expert capacities.

5. **Conducting One-Day Teaching W/S on the course “Management Information System” for students of B.E. (Electronics) Degree at Maharashtra Academy of Engg. on March 3, 2007.**

Maharashtra Academy of Engineering’s College of Engineering (MAECOE), Alandi conducted one-day teaching w/s on March 3, 2007 on subject “Management Information System” for its students of B.E. (Electronics) Degree.

Prof. Mandke and Ms. Natasha Kapoor, who did her master’s project at CIIR, were invited to conduct the day-long workshop in expert capacities. Prof. Mahesh Godur, Head, Dept. of Electronics, MAECOE, organized the w/s, which was attended by students and faculty of the Electronics Dept.

6. **Conducting One-Day Teaching W/S on the course “Management Information System” for students of B.E. (Electronics) Degree at AISSMS’s Women’s College of Engg., Shivajinagar, Pune on March 24, 2007.**

AISSMS's Women's College of Engineering conducted one-day teaching w/s on March 24, 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. Shedge, Member, Board of Studies for Electronics Discipline, UoP and Head, Dept. of Electronics, AISSMS's Women's College of Engineering, Shivajinagar, was the chief guest for the w/s. Prof. Madiwale, Mechanical Engineering, organized and coordinated the w/s proceedings, which were attended by students and faculty of the Electronics Dept.

7. Presentation of I*I research paper at International Research Conference on Quality, Innovation and Knowledge Management, New Delhi, India, February 11-14, 2007.

I*I research paper entitled "**Role of Information In System Design – Case Study: Digital Photoelasticity**" by Kashinath H. Munde, Manisha P. Dale, Pradip D. Darade, Vijay V. Mandke was accepted at the 8th International Research Conference on "Quality, Innovation and Knowledge Management" organized by Monash University, Australia at New Delhi, India from February 11th-14th February, 2007.

Prof. Manisha Dale, Head & Asst. Prof., Dept. of Electronics & Telecommunications (E&T) and Professor Kashinath Munde, Dept. of Mechanical Engg., Modern Education Society's College of Engineering (MES's COE), Pune, presented the paper.

8. Presentation of I*I research paper at 1st International Conference on Information Systems, Technology and Management held at New Delhi, March 12-13, 2007.

I*I research paper entitled "**Designing an Information Base with Integrity-An analytical approach**" by Reema Khurana, Natasha Kapoor, Ramesh and Vijay was accepted at the 1st International Conference on Information Systems, Technology and Management jointly organized by University of Florida and IMT, Ghaziabad at New Delhi on March 12th - 13th 2007.

Reema Khurana and Vijay presented the paper.

The paper appears in the conference proceedings edited by Agarwal, Goel, Malik, Sahani and published by Allied Publishers Pvt. Ltd., New Delhi.

9. Delivering invited lecture at SNDT University, Mumbai

Prof. Mandke delivered an invited lecture on "Education Challenges in World of Tomorrow" at Vocational Education Teacher Training Program at S.N.D.T. University, Juhu Campus, Mumbai, on November 22, 2006. The Teacher Training Program was organized by SNDT Women's Polytechnic, Juhu Campus, Mumbai and was attended by polytechnic teachers from all over India.

10. Delivering invited lecture at Sinhgad Technical Education Society, Pune

Prof. Mandke delivered an invited lecture on “Beyond Quality- Integrity Issues in Technical Education” at *Quality in Engg. Education Seminar* organized by Sinhgad Technical Education Society, Pune, on November 23, 2006.

11. Delivering invited lecture at College of Engineering, Pune

Prof. Mandke delivered an invited lecture on “Information Integrity Research & Education Issues” at Dept. of Electronics & Telecommunications, College of Engineering, Pune on March 2, 2007.

12. I*I Research Interactions

During the period under consideration, from time to time, Vijay conducted various I*I research interactions with I*I researchers from institutions from Pune and Mumbai, IMT, Ghaziabad, etc. and with CIIR research group members.

0-0-0-0-0