

An Overview:

From August 29 – September 30, 2003, CIIR pursued research & education activities of: Preparation of white paper; Guiding doctoral research in I²I; Conducting Intensive I²I Research Workshops for training prospective doctoral candidates; Completion of I²I Lecture Series at CCEW, Pune; I²I Seminar/Invited Talk Presentation; I²I Course and Program Development Interactions; and Professional Editing of CIIR's Research Publications.

These activities are briefly described here.

1 Preparation of White Paper

During the period under consideration, CIIR has prepared following White Paper.

[i] Mandke V.V., *Systems Engineering of Information Integrity – Search for I²I Processes*, CIIR, New Delhi, September 2003.

2 Doctoral research in I²I

- Guiding Ph. D. research
Guiding Ph. D. student Reema Khurana in research topic: *Achieving Information Integrity for Open System Data Bases*.

3. Conducting Intensive I²I Research Workshops for training of prospective I²I researchers

- (a) For faculty from Cummins College of Engineering, I²I research workshops were held at CIIR, Pune Center in following topics:
 - a. Achieving I²I in Information Systems
 - b. Enterprise Knowledge Management – Information Integrity Approach
- (b) For faculty from Smt. Kashibai Navale College of Engineering for Women, I²I research workshops were held at CIIR, Pune Center in following topics:
 - a. Designing for High Performance Systems – Information Integrity based approach
 - b. Achieving I²I in Software Development Life Cycle Model
- (c) For faculty of Master of Computer Management of Sinhgad Education Society's Management Institute, I²I research workshop was held at CIIR, Pune Center in following topic:
 - a. Security, Audit and Control – Information Integrity based approach

These research workshops were held for IT, Computer Science, and Electronics faculty of Cummins College of Engineering for Women; for Mechanical Engineering, Electrical Engineering and IT Faculty of Smt. Kashibai Navale College of Engineering for Women; and for MCM Faculty of Management Institute of Sinhgad Education Society (all at Pune), with the objective of training these faculty to undertake doctoral research in I²I.

4. Completion of I²I Lecture Series at CCOEW, Pune

- (a) From 12 July – 15 September 2003, Professor Mandke conducted *A Short Introductory I²I Lecture Course* for B. E. final year students of Information Technology discipline at CCOEW, Pune.

5. I²I Seminar/Invited Talk Presentations

- (a) September 3, 2003: Delivered I²I Seminar "*Information Integrity – Trustworthiness and Dependability of Information for Competitive Advantage: Research & Education Issues*" at Sinhgad Management Institute of Sinhgad Technical Society, Pune.
- (b) September 23, 2003: Delivered I²I Invited Talk "*Information Oriented Business Model for Banks – Need for Information Integrity*" at Management Development Program at Reserve Bank of India's College of Agricultural Banking, Pune.

Note: GM and DGM level Banking officials of important Indian banks attended this invited talk, which was very well received.

- (c) September 28, 2003: Delivered I*I Invited Talk “*Achieving Information Integrity – Benefiting from Complexity Advantage*” to Group of Professionals at Jamnagar (Gujarat).
Note: Officers and engineers of Reliance Industries, ESSAR Oil, Income Tax Officials, Auditors, Lawyers, Security experts, Computer Consultants, Medical Experts, etc. (total numbering over 100 participants) attended this invited talk.

6. I*I Course and Program Development Interactions

(a) With academia from IIT Bombay

I*I course and program development interaction meeting was held at IIT Bombay on 18 September 2003. Following participated in this day long meeting:

- (i) Professor N. L. Sarda, Dean, Academic Programs and Professor of Computer Science and Engineering, IIT Bombay
- (ii) Professor Ramesh, Department of Computer Science and Engineering, IIT Bombay
- (iii) Professor Amitabha Gupta, Department of Humanities and Social Studies, IIT Bombay
- (iv) Dr. Krishnan Narayanan, Professor of Economics, Dept. of HSS, IIT Bombay
- (v) Prof. Vijay Mandke, CIIR

The meeting critically discussed CIIR’s various research presentations and decided to develop them into I*I Course for offering at IIT Bombay in the second half of 2004, with the active participation of Vijay. Accordingly, the meeting decided to organize 10 day I*I Course Development Workshop at IIT Bombay in December 2003.

(b) With academia from Bharati Vidyapeeth

At CIIR’s Pune Center, interactions were also held with Dr. P.J. Awasare, Principal, Bharati Vidyapeeth’s College of Engineering, Navi Mumbai with the objective of seeking support of Bharati Vidyapeeth, Pune to develop and implement I*I Program.

Note: It is visualized such initiative would well network with similar linkages CIIR is considering with YCMOU University, SNDT University, etc.

(c) With RBI Faculty at CAB, Pune

Finally, I*I course input to RBI run “Banking Officials’ Training Programs” on *Banking and Auditing Practices* was also discussed with the faculty members of the RBI’s College of Agricultural Banking (CAB) at Pune. CAB faculty suggested that such initiatives with the CIIR’s help could be developed and implemented in 2004.

7. Professional Editing of CIIR’s Research Publications

From Dr. (Mrs.) Shubhangi Raykar (Language Editing Expert, Pune), CIIR received on 27 September 2003 first edited drafts of following CIIR papers:

- (i) Information Pollution – Thermodynamic Interpretation of Loss of Information Integrity in *IS* and in Information Therefrom,
- (ii) Information Integrity A Critical Factor in Structure Safety, Security and Reliability,
- (iii) Information Envelop and its Information Integrity Implications, and
- (iv) Making a Case for I*I in Healthcare

Additional papers in their edited first drafts are expected by 4 October 2003. CIIR would process these drafts for finalization. Remaining papers would be similarly processed for editing inputs.