



Workshop on Research Methods 19-20, Feb 2011 at Chennai

Organized by
Computer Society of India, Chennai Chapter
IEEE Computer Society, Madras Chapter
IEEE Professional Communications Society, Madras Chapter

ABOUT THE WORKSHOP: This two days workshop is aimed to help the participants familiarize themselves with the dynamic trends of research methodology which would shape their research work in the proper direction. On completion of the workshop, participants will be able to:

- Understand the nature and functions of research.
- Construct a methodological logic appropriate to given research questions.
- Identify the kinds of evidence required and the major methods for gathering each kind.
- Identify the implications of the methodology for budget, ethics and other empirical concerns.
- Outline the major constraints on analyzing the data.
- Identify how best to use available evidence for a range of publication purposes and audiences.

The workshop sessions will include:

- Research Preparation and Planning: Understanding research and its goals; Techniques for generating research topics; Topic selection and justification; Development of a research proposal.
- Research Sources and Review: Sources of information; Goals of literature review; Literature search. On-line data base search tools; Engineering index; Citation science index; World Wide Web.
- Academic Writing & Oral Presentation: Elements of Style; Thesis/Proposal Organisation; Journal and Conference Papers writing; Case studies; Latex; Elements of excellent presentation; Preparation; Visual and Delivery; Oral Communication and question handling.
- Research Ethics & General Advice: Engineering ethics, research ethics, plagiarism, duplication etc; Case studies; What is the right approach in research?; Tips to be a good researcher and how to manage the Ph.D. process.
- Quantitative Methods for Data Analysis: Data organization and sampling determination; Exploratory data analysis; Correlation methods and validation; Data reduction and transformations; Data presentation and interpretation; Statistical hypotheses; Hypothesis tests; Goodness of fit; Probability plotting; Regression analysis.

RESOURCE PERSONS:

- Dr. Narasimhan Sundararajan, Former Professor, School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore & Former Scientist, ISRO.
- Dr. V. Sankranarayanan, Director, University Project, B.S.A. University, Chennai & Former Chairman, Faculty of Information and Communication Engineering, Anna University, Chennai.
- Dr. Usha Mohan, Asst. Professor, Dept. of Management Studies, IIT Madras, Chennai.

TARGET AUDIENCE: The workshop is designed to cater the needs of junior academic faculty members, students of master degree aspiring to do research and industry professionals interested in getting in to research.

DATES & TIMINGS: 19-20, Feb 2011 – Saturday & Sunday:: 10.00 to 17.00 hrs

VENUE: Conference Hall, Anna University Alumni Centre, Anna University, Guindy, Chennai – 600025

WORKSHOP FEE: The fee will cover Workshop Kit, Course Material, Lunch, and Tea on two days and Certificate of Participation.

- Academic Faculty : Rs. 1000/=
- Industry Delegates : Rs. 1250/=
- Students & Research Scholars : Rs. 800/=
- Members of CSI / IEEE : Rs. 800/=.

REGISTRATION: Registration will be done on **“FIRST COME FIRST SERVED”** basis. **As seats are limited, early registration is recommended.** DD/Cheque to be drawn in favour of **“COMPUTER SOCIETY OF INDIA – CHENNAI CHAPTER”** and payable at **Chennai.**

Please mail your registration form with the payment immediately to:

Dr. P. Sakthivel
Chairman - CSI - Chennai Chapter
Asst. Professor, Dept. of ECE
Anna University
Chennai 600 025

Mobile: +91 94444 12789:: Email: sakthi_velp@yahoo.com

Website: <http://www.csi-chennai.org/ws-rm/index.html>

For further assistance, please contact

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REGISTRATION FORM

(Pl. photocopy the form for multiple registrations)

I am interested in registering for the Workshop on Research Methods.

Name : _____

Designation : _____

Organization /
Institution : _____

Address : _____

Phone : _____

E-mail : _____

Registration Category & Fee (Tick one)

- Industry Delegates : Rs. 1500/=
- Academic Faculty : Rs. 1000/=
- Members of CSI, IEEE : Rs. 800/=
- Students & Research Scholars : Rs. 800/=

If you are a member of CSI / IEEE, pl. provide the membership No.: _____

(Note: Members of CSI/IEEE should attach copy of the CSI/IEEE membership card and Students and Research Scholars should attach a certificate from the HOD / Principal along with registration form and payment. Right of acceptance is reserved.)

Cheque / Draft Enclosed No.: _____ Dated: _____ for (Amount): _____

Bank & Branch: _____

Signature: _____ Date: _____

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