



Engineering Staff College of India

Autonomous Organ of the Institution of Engineers (India)
(ISO 9001:2008 Certified Institution)

Old Bombay Road, Gachi Bowli, Hyderabad – 500 032

Phones : 040-66304123/4124/4125 (Direct) Fax : 040 – 23000336

E-mail: it@escihyd.org website : www.escihyd.org



Syed Azgar, MBA (IT)
Faculty & Manager-IT
Information Technology Division

ESCI-IT/2029/2065/2015-16
16.10.15

The Director General of Police
Police Headquarters
1-B.N. Lahiri Marg
Tilalk Marg
Lucknow
Uttar Pradesh 226 001

Dear Sir,

Sub: Request for Nominations to Continuing Professional Development Programmes in December 2015.

- Engineering Staff College of India (ESCI), Hyderabad is conducting various Professional Development Programmes for working Engineers and Executives not only keep them abreast but also sharpen their professional as well as managerial skills. Programmes are specially structured to bridge the gaps that exist, which each serving Engineers and Scientists has been facing and are common across various organizations from the public and private sectors from India and also from abroad.
- The objective of the programmes are to disseminate the latest and most advanced technologies in various fields of engineering disciplines and also the best and most pragmatic and contemporary management practices. The faculty at ESCI is specially chosen among the experts from industry and academia, besides that from ESCI.
- Information Technology Division of ESCI, Conducting the programme on

Name of the Programme	Dates/Month
1. "Digital India Initiatives e-Governance & M-Governance"	01-03 Dec, 2015.
2. "Cyber Defence & Digital Forensic Tools	14-18 Dec, 2015

- Please find the Enclosed Brochure and for Other Training programmes visit ESCI web site.

Please visit www.escihyd.org for Online Registration

We request you to kindly nominate your executives to participate in above programme and make use of the opportunity.

Thanking you,

Yours sincerely,

(Syed Azgar)
Cell: 09885041181
Encl: Brochure

एयर पुलिस महानिरीक्षक (कर्मिक)

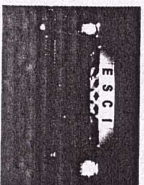
उ.प्र. सरकार

27/10/2015

No. CA ADG-K-2 (Fg) 15

ADG, Trg/14 (Kasmik)

About Engineering Staff College of India



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PHILOSOPHY & OBJECTIVES

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ESCI'S DOMAINS

- > Climate Change
- > Environment Management
- > Management & Technology
- > Quality & Productivity
- > Skill Development Cell
- > Advanced Materials Engineering Cell
- > Corporate Relationship Cell
- > Civil & Transportation Engineering
- > Information Technology
- > Power & Energy
- > Water Resource Development
- > Design & Prototyping Centre

SCHOOL OF PG STUDIES

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The PGDM (Infrastructure) is uniquely designed to amalgamate technical talent with the latest management techniques to transform them into techno managers in the core sectors of Civil, Power, Transportation and Telecommunication, to handle challenges of massive development of infrastructure. Engineering Graduates from any branch are eligible for this program. The admission process for the new batch starts in January every year and the courses commence from July.

TRAINING PROGRAMMES

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CAMPUS & HOSTEL FACILITIES

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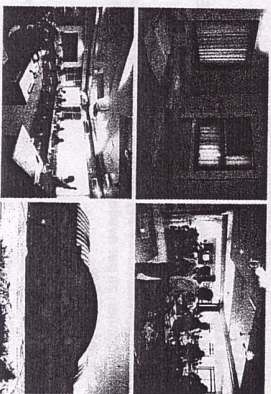
For details about training programmes, consultancy, or any other information, please write to :-

Director

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A Learning Centre for Practicing Engineers, Scientists and Managers.



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Kaulitya Complex is a new addition having 4 state of the art class rooms.

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CONSULTANCY ASSIGNMENTS

ESCI provides consultancy services to suit the requirement of clients in all engineering disciplines, Quality (ISO 9000/ISO 14000) Management & Technology areas. ESCI's group of thorough-bred consultants with their expertise execute these assignments and co-opt experts as necessary. ESCI has successfully executed many prestigious projects in the areas of water resources, power & energy, transportation, mining etc.

COLLABORATIONS

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International : European Institute for Energy Research, Electricite de France, Karlsruhe, Germany, Planning Transport, Verkeir AG (PTY), Germany, Massachusetts Institute of Technology (MIT) USA, Kansas State University (USA), University of Illinois at Chicago (USA), British Council, Nigel Bauer & Associates, Marsden International, U.K and DFID, Govt. of UK.

National : Solar Energy Society of India, Ministry of Transport, Ministry of Power, Central Electricity Authority, Power Grid Corporation, UTL, NALCO, Bhilai Steel Plant, MPPTCL, MPKVCL, PSEB, CBIP, CPRI, JNTU, OMC, C-DAC, FICCI, Quality Forum, NTPC, BHEL, NTPC, DRDO, NRC, CIRP, NPC, ONGC, NMDC, Ordnance Factories Board, Coal India Ltd, all SEBs, and State Govt. Depts. In addition, ESCI makes use of the various bilateral agreements between its parent body, The Institution of Engineers (India), and professional bodies in many other countries to further its overall goals & activities.



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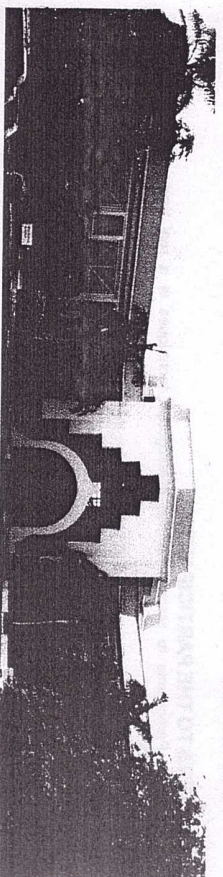
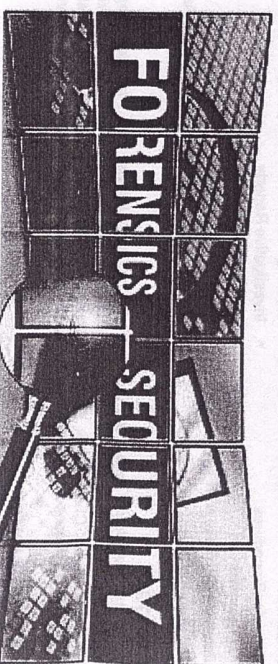
Information Technology Division

Continuing Professional Development Programme on

Cyber Defence & Digital Forensic Tools

(To become a Security Specialist)

14 - 18 December, 2015



(An ISO 9001 : 2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence.

INTRODUCTION

In today's world, Information Technology is playing a pivotal role in business, most of the organizations and enterprises depend on different kinds of Information Technology solutions, say e-commerce, e-governance, e-learning, e-banking etc. Battles between corporations, governments, and countries are no longer fought using physical force. Cyber war has begun and the consequences can be seen in everyday life. With the onset of sophisticated cyber-attacks, the need for advanced cyber security and investigation training became mandatory in the present day. If you or your organization requires the knowledge or skills to secure IT Infrastructure, Prevent Cyber attacks, in case of intrusion, identify, track and prosecute the cyber criminals, then this is the course for you.

This course helps participants to excel in digital evidence acquisition, handling and analysis in a forensically sound manner. Acceptable in a court of law, these skills will lead to successful prosecutions in various types of security incidents such as data breaches, corporate espionage, insider threats and other intricate cases involving computer systems.

OBJECTIVES

- Five-day, instructor-led course will provide you knowledge in Computer Security & Digital Forensic Tools.
- This Course provides in-depth knowledge of new techniques and tools used in Cyber defence and forensic investigation to meet the toughest challenges in fighting cybercrime.

COURSE COVERAGE

- Cyber Security Overview
- Types of Attacks
- Goals for Security
- E-commerce Security
- Security Threats and vulnerabilities
- Wireless Security
- Mobile Security
- Hacking Techniques
- Password Cracking
- Overview of Computer Forensics
- Computer Forensics Investigation Process
- Searching and Seizing Computers
- Digital Evidence
- First Responder Procedures
- Computer Forensics Lab
- Understanding Hard Disks and File Systems
- Windows Forensics
- Data Acquisition and Duplication
- Recovering Deleted Files and Deleted Partition.
- Forensics Investigation Using Access Data FTK
- Forensics Investigation Using Encase.
- Steganography and Image File Forensics
- Application Password Crackers
- Log Capturing and Event Correlation
- Network Forensics; Investigating Logs and
- Investigating Network Traffic
- Investigating Wireless Attacks
- Investigating Web Attacks
- Mobile Forensics
- Tracking Emails and Investigating Email Crimes
- Investigative Reports
- Becoming an Expert Witness
- IT ACT/ITAA 2008 INDIAN PENAL CODE
- Ethical and Professional Responsibility in Testimony

METHODOLOGY

Methodology of the programme includes classroom sessions with Hands - on Practical, Step-by-step procedures, best practices and guidelines to carry out forensic investigation, with tools, audio visual aid, benchmarked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members.

TARGET PARTICIPANTS

- System Administrators / Network Administrators / IT Managers
- Police Offices (ASP, DSP, ASP, SP or Above Rank Officers) / Defence Scientists / Officers of Forensic Labs.
- Programmers / Professors / Faculty & Technical Staff of Engineering Colleges
- The program is designed for all IT professionals involved with information system security, computer forensics, and incident response

BENEFITS TO THE PARTICIPANTS

- Enables Participants to practice various investigation techniques in a real time and a simulated environment
- The course tools and programs are preloaded on the Cyber Security Labs machine, thereby saving productive time and effort.

PROGRAMME, VENUE, DATES & TIMINGS

VENUE : Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500032, AP, India.

DATES : 14-18 Dec 2015

TIMINGS : On the first day Registration will commence at 09:00 hrs. On all other days the programme timings will be from 09:45 - 17:15 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Mr. Syed Azgar
Faculty & Manager-IT, Information Technology Division, ESCI

COURSE FEE

₹ 22,500/- (Residential Fee) per participant. Fee includes course material, course kit, twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks during the actual days of training programme.

DISCOUNTS

- ❖ **Non-Residential Fee** - 10% discount on course fee is allowed for non-residential participants.
- ❖ **Group Discount** - Additional 10% discount for three or more participants if sponsored by the same organization

(All discounts are applicable only if fee is received at ESCI before commencement of the programme)

Service Tax @14% is to be paid extra and above the training fee as training is also brought under the purview of Service Tax in Finance Bill 2010. **PAN Card No.** AAAT13439Q. **Service Tax Registration No.** AAAT13439QST008 (under commercial training or coaching services - clause 65(105) (ZLC) of Finance act-1994).

Programme fee is to be paid in favour of **"THE INSTITUTION OF ENGINEERS (INDIA) - ENGINEERING STAFF COLLEGE OF INDIA"** in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI - SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT/RTGS/IFSC Code No. SBIN 0004159 - MICR No. 500002075. **While using EFT method of payment, please ensure to communicate us your company name, our invoice reference and programme title.**

REGISTRATION

Register Online: <http://www.eschyd.org/trainings/information-technology/>

To register, manually please send your nominations giving details of name, designation, contact address, email address, mobiles no., telephone and fax number of the participant along with the details of mode of payment of fee, addressed to:

The Head

Information Technology Division
Engineering Staff College of India
Gachi Bowli, Hyderabad - 500 032. Phone: 66304100 (EPABX) / 040 - 66304123/24/25 (Direct),
Fax: 040 - 23000336, Email: it@eschyd.org, Portal: www.eschyd.org

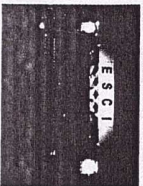
CERTIFICATE

A Certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INFORMATION

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available to the participant

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- Climate Change
- Environment Management
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- Quality & Productivity
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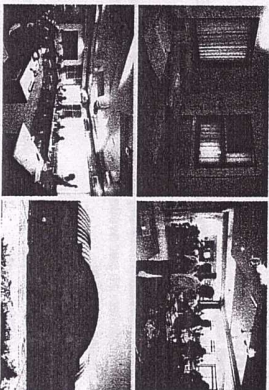
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Chanakya Seminar Complex has two lecture halls & seminar halls of seating capacity of 200+ for National & International Conferences and Seminars.

Kanliya Complex is a new addition having 4 state of the art class rooms.

INFORMATION CENTRE

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FACULTY

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National : Solar Energy Society of India, Ministry of Transport, Ministry of Power, Central Electricity Authority, Power Grid Corporation, UTL, NALCO, Bhilai Steel Plant, MPPTCL, MPPROVCL, PSEB, CBPI, CPRI, JNTU CMC, C.D.M.C. FICCI, Quality Forum, NTPC, BHEL, NHPC, DRDO, NRC, CIRE, NRC, ONGC, NMDC, OMRON, Pachon's Board, Coal India Ltd., all SEBs, and State Govt. Depts. In addition, ESCI makes use of the various bilateral agreements between its parent body, The Institution of Engineers (India), and professional bodies in many other countries to further its overall goals & activities.



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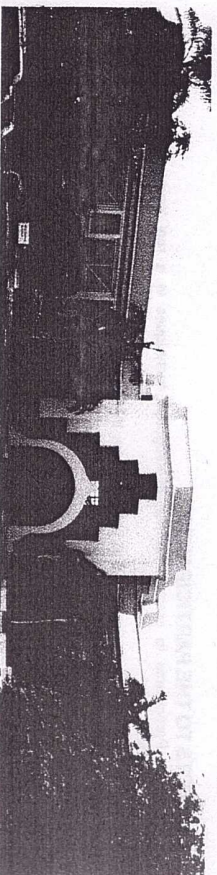
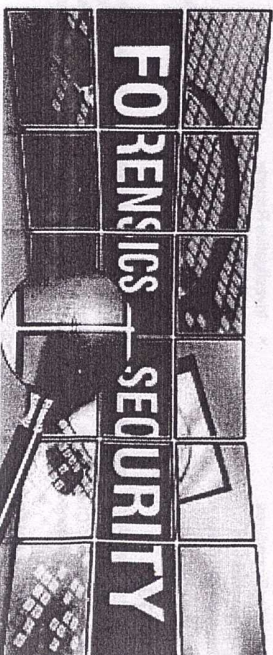
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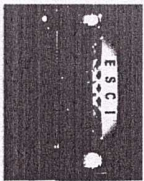


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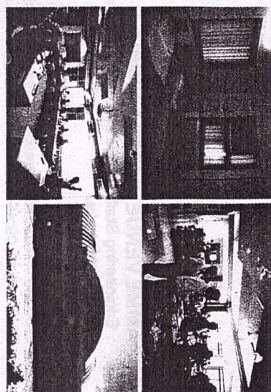
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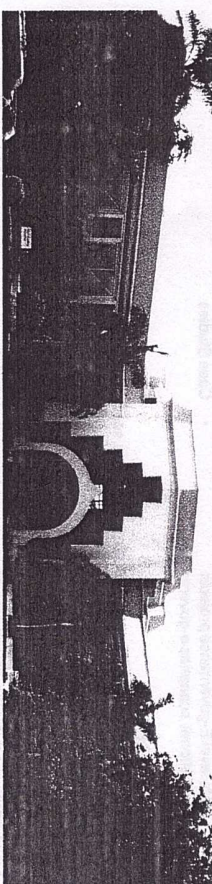
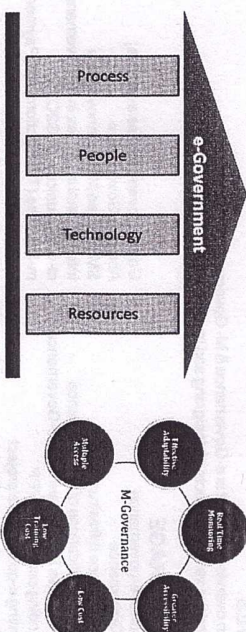
Information Technology Division

Continuing Professional Development Programme on

Digital India Initiatives

e-Governance & M-Governance

01 - 03 December, 2015



(An ISO 9001 : 2008 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence.

INTRODUCTION

e-Governance has the potential to improve efficiency and transparency in the public sector, and to promote greater accountability of the government. It is a tool for better governance that helps limit corruption, minimizes bureaucratic inefficiency and time in processing government services, and brings citizens, especially the poor, closer to government processes. E-government can also enhance the quality of life through inclusive public services for all. Therefore, many governments in the Asian and Pacific region are introducing e-government, M-government, as it has the potential to improve efficiency and transparency in the public sector.

m-Governance is not a replacement for e-Governance, rather it complements e-Governance. e-Governance is the use of information technology like WAN, Internet and mobile computing by Governance agencies, to transform private businesses and public agencies, as well as to empower the citizens. m-Governance, on the other hand, is the use of mobile or wireless to improve Governance service and information "anytime, anywhere". Mobile applications also rely on good back office ICT infrastructure and work processes. This paper shares the potential of using mobile phones as input devices in certain areas where last mile connectivity becomes issues for simple data inputs of the critical importance for decision making in government departments.

However, there is a considerable number of challenges to introducing and implementing e-government, m-Governance programs. While the benefits of e-government are growing, there remains a need for a better understanding and assessment of its impacts and roles. Significant resources are required to implement e-government & m-Governance. The sharing of knowledge and experience will help Government to reduce costs and avoid mistakes while introducing and implementing e-governance & m-Governance.

OBJECTIVES

- To have an overview of "what is e-Governance & M- Governance"?
- Understand the various aspects of designing and implementing e-government projects

COURSE COVERAGE

- Introduction to e-governance
- About m-Governance
- Core e-Governance Infrastructure
- Standardized Applications of e-Governance
- Business Process Reengineering in e-Governance
- Understanding concepts of PPP
- Implementing e-governance project
- Security for e-governance projects
- Service Level Agreements
- Impact assessment of e-Governance Projects
- Capacity building
- Open source Softwares for e- Governance
- India & NeGP Overview
- State level E-governance projects
- International scenarios e-governance
- GaaS (Government as a service)
- About m-Governance
- SMS Based Mobile innovatively
- International initiatives in m-Governance
- m-Communication (G2C2G)
- m-Services (Transactions and Payments)
- m-Democracy
- m-Administration
- Impact Of M-Government
- m-Government in emergency situation
- M-Government Benefits And Challenges
- M-Government Guiding Principles
- G-cloud, Govt Application stores
- Case Studies

METHODOLOGY

Methodology of the programme includes class room sessions with Lecture / Discussion with Hands- on Practical, with tools, audio visual aid, bench marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences etc. All the sessions will be interactive demanding active participation from all the members.

TARGET PARTICIPANTS

- Project Managers, Decision makers in government development, economy, planning, communications, and local governments
- Officers, Engineers of Municipal Corporations, Irrigation Departments, Urban Departments, State Warter Boards, State Roads, Transport Departments, State Transport Boards, Public Health Departments, State & Central Pollution Boards.
- Officers, Engineers of Geological survey Departments/ Environmental Departments/ Forest Departments/ Mining Departments.
- Police Officers (ASP, DSP or Above Rank Officers)/ Defence Scientists
- Engineers and Officers of State Power Corporations/ Electricity departments
- Academic Professionals / Agriculture Scientists / Other Engineering Professionals interested in e-Governance & m-Governance.

PROGRAMME VENUE, DATES & TIMINGS

VENUE : Engineering Staff College of India (ESCI) Campus, Old Bombay Road, Gachi Bowli, Hyderabad. 500032, AP, India.

DATES : 01 – 03 Dec 15

TIMINGS : On the first day Registration will commence at 09:00 hrs. On all other days the programme timings will be from 09:45 – 17:15 hrs with breaks in between for tea and lunch.

COURSE DIRECTOR

Mr. Syed Azgar
Faculty & Manager-IT, Information Technology Division, ESCI

COURSE FEE

₹.13500/- (Residential Fee) per participant. Fee includes course material, course kit, twin-sharing / single AC accommodation as per availability, Breakfast, Lunch, Dinner, Tea / Coffee and Snacks during the actual days of training programme

DISCOUNTS

- ❖ **Non – Residential Fee** - 10% discount on course fee is allowed for non- residential participants
- ❖ **Group Discount** - Additional 10% discount for three or more participants if sponsored by the same organization

(All discounts are applicable only if fee is received at ESCI before commencement of the programme)
Programme fee is to be paid in favour of "THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA" in the form of demand draft payable at Hyderabad.

Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI S – SB A/c No. 10007111201 with The SBI, PBB Rajbhavan Road Branch, Khairatabad, Hyderabad – 500 004 by RTGS / NIFT / IFSC Code No: SBIN 0004159 – MICR No: 500002075. While using EFT/Draft method of payment, kindly forward a covering letter giving details on the name of the participants, Title and the programme schedule so that proper accounting can be done.

Service Tax @14% is to be paid extra and above the training fee as training is also brought under the purview of Service Tax in Finance Bill 2010. **PAN Card No. AAATT3439Q. Service Tax Registration No. AAATT3439QST008**

REGISTRATION

Online registration shall be available on ESCI webportal IT Domain, on www.escihyd.org.

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to :

The Head

Information Technology Division
Engineering Staff College of India
Gachi Bowli, Hyderabad – 500 032. Phone: 66304100 (EPABX) / 040 – 66304123/24/25 (Direct),
Fax: 040 - 23000336, Email: it@escihyd.org, Portal: www.escihyd.org

CERTIFICATE

A Certificate of participation will be awarded to each participant on conclusion of the programme.

GENERAL INFORMATION

- ESCI encourages participants to present case studies from their respective organizations.
- For the convenience of outstation participants, ESCI will facilitate pick-up and drop from Airport / Railway Stations / Bus Stations, if travel plans are received at least 3 days in advance along with mobile number by fax or email. The charges shall be paid by the participant directly to the Cab.
- ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- Well developed Information Centre and Internet facilities are available to the participant