



Engineering Staff College of India

An ISO 9001 : 2000 Certified Institution

**A Forum of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad 500 032**

Offers Short Term Courses on

- » **5S (WORK PLACE EXCELLENCE)**
- » **TOTAL EMPLOYEE INVOLVEMENT**
- » **DESIGN FOR SUSTAINABILITY**

In Collaboration with



Shingo Institute of Japanese Management

A Management Institute integrating the best of Modern Management Practices with Japanese Management Systems & Indian Ethos.

ABOUT ENGINEERING STAFF COLLEGE OF INDIA

GENESIS

Engineering Staff College of India (ESCI) is a unique Institution set up in October 1981 by the premier body of professional engineers of India The Institution of Engineers (India).

PHILOSOPHY & OBJECTIVES

The primary objectives of ESCI are to impart professional & need-based continuing education and training in frontier areas of engineering and management fields, simultaneously providing professional consultancy & technical services to the industry ESCI's operations are firmly grounded in its desire to act as a bridge between academic institutions, R&D laboratories and organisations in the government, manufacturing & industry sectors to promote the growth and increased availability of latest know how & expertise to professional engineers & managers in all these sectors. ESCI, as a unique centre for promotion of excellence in engineering, has been successfully fulfilling this role in today's fast changing technological world.

TRAINING PROGRAMMES

Continuing Education Programmes are formulated by ESCI from time to time and announced, on topics of current technology and relevance. These are open to serving engineers of public and private sector organizations as well as State and Central Government departments. ESCI also organizes & conducts customised programmes to meet specific requirement of such organizations. These are held either at ESCI campus or at other locations desired by the sponsoring organizations.

CAMPUS & HOSTEL FACILITIES

The 70-acre sprawling campus of ESCI is about 15 km from the centre of Hyderabad city. ESCI, situated in serene and tranquil surroundings, has its main building and five hostel blocks which can accommodate upto 150 participants. The hostel rooms are well - furnished for comfortable stay of the participants and arrangements for catering and recreational activities on Campus are also provided. The class rooms are well equipped with all modern audio-visual aids to conduct concurrent programmes.

FACULTY

ESCI has core faculty in all the engineering and management disciplines comprising of very senior engineers, eminent scientists and teachers who have rich experience in respective fields, collectively representing several decades of professional experience. With wide experience in their areas of specialization, both in industry and government, they are involved in carefully planning and conducting all ESCI activities. In addition, ESCI derives faculty services, (Visiting and Adjunct Faculty) from a large number of National and International organizations of high repute. They are drawn from industry, consulting firms, government organizations, academic and research institutions etc.

INFORMATION CENTRE

ESCI Information Centre has a valuable collection of about 8000 books & reports and 100 periodicals including International journals.

CONSULTANCY ASSIGNMENTS

ESCI provides consultancy services to suit the requirements of clients in all Engineering disciplines, Quality (ISO 9000 / ISO 14000), Management & Technology areas. ESCI's group of thoroughbred consultants with their proven 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

International : 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., DFID, Govt. of U.K., Polytechnic University Madrid, Spain.

National : CBIP, CPRI, JNTU, CMC, C-DAC, FICCI Quality Forum, NTPC, BHEL, NHPC, DRDO, NFC, CIRE, NPC, ONGC, NMDC, 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.

ABOUT SHINGO INSTITUTE OF JAPANESE MANAGEMENT

Shingo Institute of Japanese Management established in 2001, imparts education and training in Management Systems, tools and techniques practiced and propagated by Japanese, as well as other conventional Modern Management Concepts, through programs that include theoretical inputs and intensive practical projects.

Institute proposes to redirect and channelise the energies of professionals and students of Management in the direction of excellence in management through integrated human efforts.

Vision:

To develop Managers of Global Competence using Management Systems popularized by the Japanese to maximize benefits to society.

Mission:

To help internalize the principles of Management practiced and propagated by the Japanese in current management practices for Organizational Excellence.

Objectives:

To impart education and training to students of management in the Management Systems & Tools that have redefined and revolutionized the whole concept of Industrial Management along with the other conventional Modern Management Concepts.

To inculcate –

- A holistic approach to management
- A process of continually and consciously shaping organizations through teamwork and dedication
- An appreciation of the Management principles developed by the Japanese and available in Indian Ethos

INTRODUCTION

Professionals worldwide understand and appreciate the power of the Japanese Management Techniques, many of them originally propounded in the West, but developed, propagated and intensely practised first in Japan and now globally for their power and usefulness in achieving most of the organisational goals at minimum cost to companies, and making them sustainable.

ESCI, together with Shingo Institute propose to offer Post Graduate Diploma Courses in Japanese Management Techniques but starting initially with Certification Courses which would then be extended to the Diploma Courses.

The courses indicated herein are chosen for their importance and relevance to progressive organisations and found useful in developing their managers as well as non-management professionals. Each one of these courses would expand the knowledge base, competence and skills of the students. At the same time, the sponsoring organisations would directly benefit several-fold compared to what they spend on the students.

COURSES OFFERED

1. 5S (WORKPLACE EXCELLENCE)

“A 5S Workplace is a work environment that is self-explaining, self-ordering, self-regulating and self-improving – where what is supposed to happen does happen on time, every time, day or night.”

5S originated in Japan and derives its name from the starting syllables of the 5 components, viz., SEIRI, SEITON, SEISO, SEIKETSU & SHITSUKE – all of them start with the letter 'S'. 5S reveals abnormalities in the workplace. In a normal company abnormalities are ignored, are invisible, remain unresolved and untouched. The surest way to eliminate abnormalities is to practically respond to them, after identifying them and surfacing them. When we focus our attention on abnormalities they naturally get reduced considerably.

Benefits of 5S: Improved Profitability, Productivity, Quality, Efficiency, Service, Safety, Serene Atmosphere, Employee Satisfaction, Customer Satisfaction, Effective Utilization of Resources, Reduced Wastages and Non productive time.

The course covers the topics of Evolution of 5S, Workplace Improvement, 5S as the Foundation for all Improvements, Implementation of 5S, Tools of 5S and Social Spread of 5S,

2. TEI (TOTAL EMPLOYEE INVOLVEMENT)

TEI ensures that every employee gets deeply

involved in the performance of the organisation, by developing ownership and concern for the organisation, using own competence and that of colleagues to the fullest extent through deeper learning and skills development, through better teamwork, through focus on problem solving, continuous improvement of activities and systems, and Organizational Development.

As employees get better motivated when implementing their own ideas or ideas that are acceptable to them, TEI stimulates people to explore their own creativity for the benefit of the organization and their own and make people to work towards consensus.

TEI is a change of organizational and people's culture. It is a system that improves people's working conditions and leads organisational performance towards excellence through synergy.

TEI enables direct participation of employees in organizational development by letting them take responsibilities leading to greater employee satisfaction. Involvement and commitment are generated by people themselves, through their own motivation and initiative, provided that they are given the space to be involved and committed.

The course covers the topics of Competitiveness in Globalised Economy, Organisational Value Systems, Impact of Structure & Hierarchy on TEI, Synergy Theory and Tools of TEI.

3. DESIGN FOR SUSTAINABILITY

(DESIGNING PRODUCTS/ SERVICES SUCH THAT THEY DO NOT IMPAIR NATURE, ENVIRONMENT & ECOLOGY)

Post Industrial Revolution and with the phenomenal spread of scientific thinking and use of scientific discoveries in development of human civilisation, design of products as well as of services has concentrated on maximization of benefits to the user, without any focus or concern for its sustenance and its impact on the future of not only animals and plant kingdom, but of mankind itself. The evolution of modern day design engineering as well as engineering materials followed the pattern of destruction of natural resources without any concern about their long-term availability for future generations.

Such an approach has destroyed both plant and animal kingdom species and marginalised them and shrunk their space substantially. This has affected the ecological balance and threatened our own future. There is an urgent need for the moulders of management thinking, management experts,

designers and operational professionals to have a re-look at our systems of design and development, and redirect them towards a more nature and ecology friendly design approach.

THE COURSE COVERS :

- » Evolution of Modern Design Engineering, Engineering Materials, Plastic Revolution Impact of Human Progress on Global Greenery, Plants and Animals, Extinction of Species.
- » Impact on Human Bio-systems and Genetic Behaviour.
- » Other Environmental and Ecological Negative Effects, Eco-Effectiveness.
- » How Nature and Biology work towards Eco-Effectiveness and Improving Quality of Life of Human Beings while maintaining Bio-Diversity.
- » Sustainable Growth – From Resource Depletion to Resource Sustenance.
- » From Cradle to Cradle.

METHODOLOGY

These courses are designed to provide a comprehensive learning package through the use of formal lectures, individual experiences, interactive exercises, case studies, assignments and examinations. Emphasis will be given for experiential learning.

FACULTY

Lecturers of these courses are from ESCI & SIJM.

WHO SHOULD ATTEND

- » Management Professionals
- » Supervisory Staff,
- » Fresh Management Graduates or Post Graduates

- » Fresh Engineering Graduates or Post Graduates
- » Final Year Students of Management or Engineering.

DURATION OF THE COURSES

3 Months (130 Hours approx.) - Commencing July 2008

FEES: Rs. 30,000 per participant.

VENUE & TIMINGS

The Institution of Engineers (India), Khairatabad, Hyderabad

Monday – Saturday (alternate days)

6:30 pm to 9:30 pm

COURSE COORDINATORS

Brig (Retd) T Ramaiah,
Head, QPE Division, ESCI

Mr T Rama Krishna, Faculty, SIJM

ADMISSION PROCEDURE

Application should reach the address given below

The course coordinator, Brig (Retd) T Ramaiah
ESCI

or

Applications can be submitted through email.
Please log on to our websites for further details.

Last Date for submission of Applications
– 30 June 2008

Date of commencement of classes – Mid-July 2008

For further details please log on to –
www.escihyd.org or www.shingoinsitute.ac.in

CERTIFICATION

Students who successfully complete the course will be issued certificate by ESCI and SIJM.

For further details about the programmes please contact :

Brig (Retd) T Ramaiah,

Course Coordinator,

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Old Bombay Road, Gachi Bowli,

Hyderabad – 500032. (A.P), India.

Phones : 23000465 / 23000466,(EPABX) Fax : 040-23000336

E-mail : esci_ic@yahoo.com ; esci_ic@escihyd.org

URL : www.esciindia.org

T Rama Krishna

Course Coordinator,

SHINGO INSTITUTE OF JAPANESE MANAGEMENT

Vishnu Priya Residency, Plot No -28,

Women's Co –op Housing Society,

Road # 2, Jubilee Hills, Hyderabad – 500045

Phone: 040 – 65580116, Fax: 040 – 23545074

URL: www.shingoinsitute.ac.in,

Email – info@shingoinsitute.ac.in