



A Short Term Course on
RAMS for Railway Systems



(27 - 31 July, 2015)

@ Reliability Engineering Centre, IIT Kharagpur



Who Should Attend?

This Practicing professionals, Engineers, Managers in the fields of design, development, consulting, manufacturing, audit, operations, maintenance, and QA/QC in the rail or metro rail industry.

Program Contents

Participant will be exposed to various RAMS concepts including:

- Introduction to RAMS Parameters
- Basic Probability & Statistics
- Failure Data Analysis
- Failure Mode Effects and Criticality Analysis
- System Reliability Modeling
 - Reliability Block Diagram
 - Fault & Event Tree Analysis
- Design for Reliability
 - Apportionment of RAMS Parameters
- Basics of V&V and Software Reliability
- Hazard Analysis Risk Metrics and SIL Allocation
- Hazard Analysis and CENELEC Standards

Program Details

Date: July 27 - 31, 2015

Venue: Reliability Engineering Centre, IIT Kharagpur

Fee: INR 40,000 only

Seats: 30 (Thirty only)

The Program Fee is to be paid as a Demand Draft drawn in favour of CEP-STC, IIT Kharagpur payable at Syndicate Bank, IIT Kharagpur.

The principal coordinator may be contacted for any clarification or information required. Electronic transfer details will be sent through email on request.

Please note that fee *does not include* travel and local hospitality. The accommodation will be provided to participants in our guest house on payment and request basis. For more details, please contact us.

Important Dates

Registration By: July 20, 2015

Fee Payment By: July 22, 2015

Program Duration: July 27-31, 2015

Program Coordinators

Coordinator

Prof. Neeraj Kumar Goyal

Associate Professor
Reliability Engineering Centre
IIT Kharagpur, West Bengal
PIN – 721302

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Co-coordinator

Dr. P. Raja Goundan

Director (Academic)
Institute of Metro Rail Technology
First Floor, 160, Patny Square
Hyderabad, Andhra Pradesh
PIN- 500 003

Contact Information

All correspondence about the course can be sent to the Coordinator or to:

Mr. Binoy Aravindakshan

Head Operations
Institute of Metro Rail Technology
First Floor, 160, Patny Square
Hyderabad, Andhra Pradesh
PIN- 500 003

Tel: +91 40 27903311

Mobile: +91 80088 01147

Email: binoy.a@imrtindia.edu.in

Faculty

The program is designed and delivered by experts with years of experience in metro and rail technologies. Almost all faculty members are currently associated with the industry in a consulting role.

Prof. N. K. Goyal

Associate Professor
Reliability Engineering Centre, IIT Kharagpur

Dr. P. R. Goundan,

IRSSE - Program Co-ordinator
Former General Manager, Indian Railways
Former CEO, Integral Coach Factory, Perambur
Chennai Joint Director, Centre for Wireless
Technology, IIT Chennai

Prof. V. N. A. Naikan

Professor and Head
Reliability Engineering Centre, IIT Kharagpur
Professor
Industrial and System Engg Dept., IIT Kharagpur

Prof. S. K. Chaturvedi

Associate Professor
Reliability Engineering Centre, IIT Kharagpur

Dr. Mukul Verma

President
Himachal Futuristics Communication Ltd.
Former Head
Signals & Train Control, L&T HMRL

Dr. Ajeet Kumar Pandey

Head of RAMS Analysis
Alstom Transportation
Former Senior Project Engineer
AECOM, L&T HMRL.

Mr. Sudhir Kumar

Advisor Safety, L&T HMRL
Former Chief Commissioner of Railway Safety
Indian Railways

Mr. S. N. Pal

Faculty,
IMRT Hyderabad
Former Faculty
Indian Railway Institute of Signal Engineering
and Telecommunication, Secunderabad

Mr. Irfan Khan

Former Director engineering
King Fahd International Airport, Saudi Arabia.
Former Chief Engineer
Department of Atomic Energy, Mumbai

Application Form

A Short Term Course on RAMS FOR RAILWAY SYSTEMS (July 27-31, 2015)

Personal Information

Name:

Designation:

Organization:

Contact Information

Address:

Tel:

Mobile:

Email:

Payment Information

DD Number:

Bank:

Amount:

Date:

*If payment is made online, then transaction
details should be emailed to:*

ngoyal@hijli.iitkqp.ernet.in



Reliability Engineering Centre IIT Kharagpur

IIT Kharagpur is the largest technical institution in India and ranked as the best institution in the country imparting technical education and research. The Reliability Engineering Centre came into existence in 1983. The centre offers M.Tech, MS and PhD degrees in Reliability Engineering. Besides, the centre is actively engaged in sponsored research and offers consultancy services to various public and private organizations.



Institute of Metro & Rail Technology

IMRT is a first-of-its-kind institution that aims to become a knowledge leader in metro and rail technology. Apart from the flagship Post Graduate Program on Metro and Rail Technology (PGPMRT), IMRT provides modular short-duration programs for on-field engineers and custom programs for railway firms involved in manufacturing, construction, operations, and management.

The RAMS for Railway Systems, 2014 Course

The first short term course on RAMS for Railway Systems was conducted last year during July 21-25, 2014. The course received good response from industries in terms of participation and on completion of the course the feedbacks were highly positive. Based on the feedbacks and multiple requests received, the course is proudly being offered again. We look forward to benefit Indian Railway in general through bringing awareness about RAMS concepts and provide basic training in these concepts.

Participating Organizations in 2004 Course

L&T Metro Rail
Hyderabad Metro Rail
Larsen & Tubro Limited

Bombardier
Dedicated Freight Corridor Corporation
Alstom Transportation