

About Kurukshetra

Kurukshetra, steeped in history and mythology, is a place of great spiritual significance where Lord Krishna delivered the divine message of Shrimad Bhagwat Gita. This place from where knowledge spread far and wide was chosen as his capital by King Harshwardhana. It is one of the premier Centre of pilgrimage, attracting devotees in a steady stream all-round the year. Kurukshetra is a railway junction on the Delhi- Karnal-Ambala section of the Northern Railway. It is about 160 kms from Delhi. The Institute is about 10 kms from Pipli, a well-known road junction on the Sher Shah Suri Marg (NH-1), and about 5 kms from Kurukshetra Railway Station.



About the Institute

National Institute of Technology, Kurukshetra, one of the 31 NITs in the country, is a premier centre of learning and research in various disciplines of Engineering and Management. It trains and develops high calibre professionals to serve not only the country but also the world at large. Established in 1963 as an REC- a joint enterprise of the Government of India and the Government of Haryana -the college was elevated to a National Institute with Deemed University status in June 2002. The Institute has made rapid strides in expanding and upgrading facilities, enhancing the quality of education and strengthening the linkage with industry. The Institute Alumni are well placed in reputed organizations in India and abroad.



Resource Person



Dr. Om Prakash Yadav
Professor and Chair,
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Professor Om Prakash Yadav received his B.E. (Mechanical Engineering) from Malviya National Institute of Technology, Jaipur in 1986; M.Sc. (Industrial Engineering) from National Institute of Industrial Engineering, Bombay in 1992; and Ph.D. (Industrial and Manufacturing Engineering) from Wayne State University, Detroit (USA) in 2002. He is a firm believer of industry-academia collaboration to provide better education to students and conduct industry oriented research. The establishment of CQRME is an evidence of his continued efforts and hard work to realize that dream and make an impact on both student learning as well as industries. His research interests mainly include reliability modeling, robust design, data analytics, supply chain modeling, and manufacturing system analysis. His current research projects are focused on degradation modeling and reliability analysis, remaining useful life prediction, prognostic health management, and designing logistic support based on degradation.

One Day Workshop On Reliability Engineering and Applications

(25th September, 2018)

Sponsored by TEQIP-III



PATRON

Padma Shri Dr. Satish Kumar,
Director

CONVENORS

Dr. Sathans
Professor, Electrical Engineering Department

COORDINATORS

Dr. Rahul Sharma
Assistant Professor

Dr. Aeidapu Mahesh
Assistant Professor

Electrical Engineering Department



National Institute of Technology Kurukshetra

REGISTRATION FORM

One Day Workshop On **Reliability Engineering and Applications** (25th September, 2018)

Name: _____
Title (Dr./Mr./Mrs./Ms.): _____
Sex (M/F): _____
Date of Birth: (dd/mm/yyyy) _____
Designation: _____
Organization: _____
Address for correspondence: _____

Phone: _____
E-mail: _____
Qualification: _____
Category of Registration: _____
Accommodation required*: Yes / No

Payment details:

Draft/Online Details _____
Date: _____
Issuing Bank: _____ Amount: _____

Signature of applicant (with date)

(Signature of Head of the Department / Section /
School / Institute with Seal)

About the Program

Reliability is one of the key components in any scientific and engineering field. There is growing interest and focus among reliability engineering professionals to devise new tools and approaches that can help not only to improve product reliability during product design stage but also facilitate rationale decision making for warranty design, maintenance planning, and spare parts inventory management. Especially real time condition monitoring with remaining useful life prediction has got significant attention because it helps making quick decisions while considering current states of the product or systems. Therefore, degradation modelling and physics-of-failure based models are being studied rigorously for reliability prediction and design improvement. The focus of this course is to introduce participants with these advances and motivate for increasing their research interest in these areas.

COURSE CONTENTS

The course aims to discuss the following topics, but not limited to them as:

- Concepts of reliability.
- Reliability Prediction Models.
- Failure rate models.
- Degradation modelling for reliability.
- Specific applications of reliability engineering.
- Other advanced topics.

Participants

- Faculty/Research scholars from NIT Kurukshetra and our mentee Institute under TEQIP-III.
- Scientists from ASL, DRDL and DQRS labs of DRDO.
- Industry personnel.

Registration Fee

Participant's category	Registration fee* (in Indian Rupees)
UG/PG Students & Research Scholars	500/-
Faculty Members	1000/-
Industry Personnel/Scientists	2000/-

* Registration fee is non-refundable

Participants will be provided meals and tea during the sessions. However, accommodation is available in the guest house. The accommodation can be arranged on the request of the participants on payment basis, separately. No TA/ DA will be paid to the participants. The registration form, complete in all respects, duly forwarded by the Head of the Department/ School/ Institute, should reach on or before **September, 23, 2018** by email.

Registration fee is to be paid on the spot through a bank demand draft in favor of "Director, NIT Kurukshetra" payable at SBI, NIT Kurukshetra or through online /cheque /cash modes.

The brochure with registration form can be downloaded from Institute website www.nitkkr.ac.in. The soft copy of the completed application forms should be sent to the e-mail address.

Contact

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