

REGISTRATION FORM

National Workshop on **Intelligent Systems Engineering** 27 -28 July 2017

1. Name :
2. Qualification :
3. Designation :
4. Department :
5. Official Address :

Phone : Email :

6. Accommodation required: Yes [] No []

7. Details of DD

Amount: DD No.:

Date :

Bank name & Place:

DECLARATION BY THE APPLICANT

The above mentioned information is true to the best of my knowledge and belief.
I shall attend the course for the entire duration.

Signature of the Participant

Place:

ADDRESS FOR CORRESPONDENCE

Dr S. Kumanan Professor

Department of Production Engineering

National Institute of Technology Tiruchirappalli 620015

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National Workshop

on

Intelligent Systems Engineering

27 -28 July 2017

Organized by



NIT Tiruchirappalli

Co-ordinators

Dr. S. Kumanan, Professor

Department of Production Engineering

&

Dr N. Sivakumaran, Associate Professor

Department of Instrumentation and Control Engineering

NATIONAL INSTITUTE OF TECHNOLOGY

TIRUCHIRAPPALLI – 620 015

TAMIL NADU

ABOUT THE COURSE

Intelligent systems engineering (ISE) is a term used to refer to a variety of Artificial Intelligence (AI) approaches, including neural networks, evolutionary algorithms, model-based prediction and control, case-based diagnostic systems, conventional control theory, and symbolic AI. The term intelligent systems engineering is most frequently used in the context of AI applied to specific industrial challenges such as optimizing a process sequence. Intelligent systems engineering tends to refer to the creation of short-term, narrow-task, marketable AI, rather than long-term, flexible, generally intelligent AI. It is a blend of mechanical, electrical and computer science engineering. Intelligent systems are usually meant to be coupled with robotics in industrial process settings, though these may be diagnostic systems connected only to passive sensors. Intelligent systems are meant to be adaptive, to solve problems as creatively as possible with minimal human input. The field has received substantial investment from both private sectors and the public sectors. Intelligent systems generally follow a sequence of events in diagnosing and addressing a potential problem. First, the system identifies and defines the problem. Then it identifies evaluation criteria to apply to the situation, which it uses to generate a set of alternatives to the problem. There is an iterative search for a solution and evaluation of potential solutions, until a choice and recommendation is made.

TOPICS TO BE COVERED

Artificial Neural Networks
Evolutionary Algorithms
Machine Learning and Applications
Expert Systems and Fuzzy systems
Intelligent Systems and Control

FACULTY

The course faculty includes resource persons from IISC, IITs, NITT, experts from various reputed institutions and Industries.

ELIGIBILITY:

Faculty and scholars from Mechanical, Production, Instrumentation, Electrical and Computer science.

REGISTRATION:

Academic Institutions : Rs 1000
Industries : Rs 2000

The course registration fee must be paid by DD in favour of “The Director, NIT, Tiruchirappalli-620015” and payable at SBI, NIT, Tiruchirappalli.

BOARDING AND LODGING:

Limited Boarding and lodging will be provided in the Institute on payment basis

IMPORTANT DATES:

Last date for receiving application : **21-07-2017**
Intimation of Acceptance : **22-07-2017**

VENUE: SRM HOTEL TIRUCHIRAPPALLI

