

## REGISTRATION

The registration form is enclosed with the Brochure. Participants will have to pay a Registration Fee of Rs.1,500/- (including refreshments, working lunch and stationery kit) through Cash / Demand Draft in favour of "THE DIRECTOR, NITTTR, CHENNAI" payable at Chennai. TA have to be borne by the participants.

## ACCOMODATION

Each participant will be provided accommodation on sharing basis (subject to the availability) on chargeable basis at the NITTTR Trainees Guest House.

## IMPORTANT DATES

Last Date for Submission of Registration:

**25.05.2018**

Notification of Acceptance through e-mail:

**28.05.2018**

## ADDRESS FOR CORRESPONDENCE

**Dr. G.A. Rathy**

Associate Professor of Electrical Engg.

Dept. of Electrical, Electronics &

Communication Engineering

National Institute of

Technical Teachers Training & Research

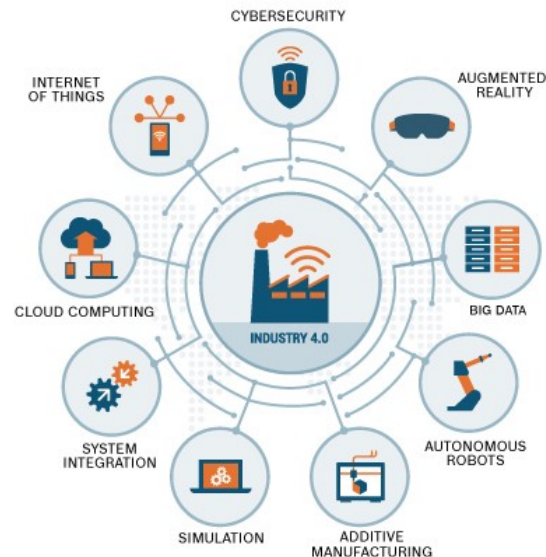
Taramani, Chennai 600 113

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## NATIONAL WORKSHOP ON **INDUSTRIE 4.0**

**30<sup>th</sup> to 31<sup>st</sup> May 2018**



**Organized by**

**Dept. of Electrical, Electronics &  
Communication Engineering  
National Institute of  
Technical Teachers Training & Research  
(Ministry of Human Resource Development,  
Government of India)  
Taramani, Chennai 600 113  
Website: www.nitttrc.ac.in**

## About NITTTR

The National Institute of Technical Teachers Training and Research (NITTTR) Chennai was established as an autonomous Institute by the Ministry of Human Resource Development, Government of India in the year 1964 to improve the quality of Technical and Vocational Education and Training (TVET) system in India and in the Southern Region in particular. It also fosters research in the inter disciplinary area of Engineering Education and offers consultancy and extension services for the total development of Engineering Colleges, Polytechnic Colleges, Vocational institutions, Industry, Service sector and the Community at large.

## DEPT. OF ELECTRICAL, ELECTRONICS & COMMN ENGG.

Our dept. is conducting nearly 30 Faculty Development Programmes for Polytechnic and Engineering College teachers every year training nearly 600 teachers. We revise the curriculum of Polytechnic colleges from time to time. We are also conducting Overseas Teachers Course in Electronics for foreign teachers / delegates. We are organizing many workshops / seminars / conferences in emerging areas in the field of Electrical and Electronics.

## About Guru Agastya, Chennai

Guru Agastya was started in 1979 pioneered by Senior Engineer from Best and Crompton Mr. P.H. Godavary (Chartered Engineer). It set out to start total engineering consultancy and project solutions in Electrical Engineering, Structural Engineering, Mechanical Engineering, Power Plant Engineering & Industrial Process Engineering for Government Organizations such as Nuclear Power Corporation Of India Ltd (NPCIL), Engineers India Limited (EIL), Department Of Atomic Energy(DAE), MECON National ThermalPower Corporation (NTPC), Natural Energy Processing Company Ltd (NEPC).

NITTTR, Chennai along with M/s Guru Agastya, Chennai is offering the 2 days National Workshop on "INDUSTRIE 4.0".

**NATIONAL WORKSHOP  
ON  
INDUSTRIE 4.0**

**30<sup>th</sup> to 31<sup>st</sup> May 2018**

**REGISTRATION FORM**

**ABOUT THE WORKSHOP**

Industry 4.0 is a name for the current trend of automation and data exchange in manufacturing technologies. It includes cyber-physical systems, the IoT, cloud computing and cognitive computing. Industry 4.0 is commonly referred to as the fourth industrial revolution.

With Technologies changing at breakneck Speed, the key to achieving success in any field is to learn today's emerging Technology "TODAY". This "2 DAYS" workshop offers a perfect chance to learn and practice implementation of CPS in industrie 4.0, which is the next big technology revolution.

**OBJECTIVES:**

- To understand Real-Time applications and implementation of industrie 4.0
- To Synergize theoretical learning with industry practices
- To integrate learning into Smart Factory scenario - industrie 4.0

**PARTICIPANTS:**

Engineering and Polytechnic College Teachers and Research Scholars, Final & Pre-final year students of Electrical, Electronics & Communication, Computer Science IT and Instrumentation disciplines.

**WORKSHOPS THEMES:**

Introduction to Cyber Physical Systems – Big Data – Cloud Computing – IIoT – Virtual & Augmented Reality – Additive Manufacturing – Temperature Monitoring – Video Streaming – Cyber Security Introduction - Types of Threats and Vulnerabilities – Cryptography – Sandboxing

**HANDS-ON:**

- **HANDS-ON WITH RASPBERRY-PI:**
  - IIoT
  - Temperature Monitoring
  - Video Streaming
- **HANDS-ON USING KALI LINUX**
  - Wifi Hacking
  - Pen Testing
- **DEMO USING TAL BRABO**
  - Hands-on - Real Time Industrial Applications

**OUTPUT:**

The participants will be able to:

- integrate concepts related to industry 4.0.
- implement industrie 4.0 know how into real-time applications.

**CO-ORDINATOR:**

- Dr. G.A. Rathy, Associate Professor, EE&CE Dept.

**RESOURCE PERSONS from M/s Guru Agastya:**

- Mr. Vijay Kumar Pakkurti B.E, MIE, MBA, CEO
- Mrs. R. Ureka B.E, Manager – Operations
- Mr. Mohanraj, Technologist R&D

1. Name (in BLOCK letters): \_\_\_\_\_

2. Designation, Department and Address of the Institute : \_\_\_\_\_

3. Academic Qualification : \_\_\_\_\_

4. Experience (in years) : a. Teaching : .....yrs  
b. Industry : .....yrs

5. Communication details :  
Telephone : .....  
E-mail : .....  
Mobile : .....

6. Gender : Male / Female

7. Accommodation requirement : Yes / No

Demand Draft No: \_\_\_\_\_ drawn on \_\_\_\_\_ dated \_\_\_\_\_ Payable at Chennai

Date: \_\_\_\_\_ Signature \_\_\_\_\_