



Green- Strategic Technology Advocacy (Alliance) for Resilient Tomorrow (G- START)

SMART GREEN FACTORIES & INDUSTRY 4.0



Expert Speakers (Taiwan)
Mr. Adam Tseng,
Asia Sales Director, Techman Robot Inc.

Registration
Fee Rs 300/-
(inclusive of GST)



Expert Speakers (Taiwan)
Mr. Owen Wu,
Supervisor, Techman Robot Inc.

Tuesday,
October 27, 2020
11:00 hrs (IST)



Expert Speaker (India)
Mr. Sanjiv Narula,
Research Scholar, BML Munjal University

REGISTRATION TO THE LIVE WEBINAR

please visit us at: <https://www.npcindia.gov.in/NPC/User/webinarpage>

E-certificate of participation would be issued to the attendees

Programme Coordinator : Mr. S.K. Jain, Tel: +91-11-24607325, Email: sk.jain@npcindia.gov.in



About the webinar

National Productivity Council (NPC) India, has scheduled a webinar on theme “**Smart Green Factories & Industry 4.0**”. It is seventh joint webinar where experts through National Productivity Organisations (NPOs) Taiwan and Indian experts, are to speak together in their field of expertise to promote Green Productivity (GP) in India and abroad.

Speakers: International Taiwanese expert speaker, supported by Indian expert speakers

1. **Mr. Adam Tseng**, Title: Asia sales Director, Techman Robot **Taiwan**
2. **Mr. Owen Wu**, Title: Asia sales Supervisor, Techman Robot, **Taiwan**
3. **Mr. Sanjiv Narula Harish**, PhD Scholar Industry 4.0, BML Munjal University, **India**

About Topic/Theme and Coverage:

Collaborative robot/ 3D bin picking/ palletizing: The robot is from Taiwan and is one of the best equipment which assist manufacturer, expedite the process of automation, especially on flexibility and mobility. The robot can have small module, medium to large module and DC type module, which can be used for mobile robot integration and that is great advantage to do vision coordination and compensation and save the time and cost on vision integration.

The demand increased from 3D bin picking with budget consideration, end customer requests more solutions in multiple occasions and provisions are there which includes two ways to go as eye-in-hand and eye-to-hand 3D camera. Furthermore,

more and more manufacturers have space limits issue and request robotic arm to do packaging and palletizing job, now palletizing solution is one of best choice to present simulation software and quickly implement with safety certificate ISO 10218-2. The presentations cover followings

❖ ***The benefit of Intelligent robot to India market.***

- Industry 4.0
- Machine vision Robotic arm implement
- how to use 3D camera to bin pick objective property in eye-in-hand and eye-to-hand way.
- Robotic arm implement
- Palletizing application
- de-palletizing application.

❖ ***Industry 4.0 from talk to action***

- Industry 4.0, its technologies, policy measures, enablers
 - What is Industry 4.0 (I.4.0)?
 - I4.0 –The Need of Hour
 - Smart machine concepts
 - Overview of I4.0 technology drivers (Robotics, system integration, cloud computing, IIoT)
 - Industry 4.0 implementation factors in manufacturing,
 - Case examples
- Implementation of cloud computing in manufacturing (Quality management cloud, Productivity Cloud, Maintenance Cloud, Audit cloud and Kaizen Cloud)
- Industry 4.0 and Lean manufacturing
- Industry 4.0 implementation challenges

Key Learnings:

- Industry 4.0
- Machine vision/ Automated logistics
- 3D Camera
- 3D bin picking
- Palletizing
- Industry 4.0 and its technologies
- Industry 4.0 implementation factors and integration with lean
- Smart factory concepts
- Examples of I4.0 implementation
- Challenges in the digital transformation
- Proposals

Date:27th October, 2020 (Tuesday)

Time:11:00 hrs- 12:40 hrs (Indian Time)

Participation fee: Rs 300/- inclusive of GST

Attendees will be provided e-certificate towards their participation in the webinar
