

Department: ME | Date: 25th Septemeber, 2019

One day Seminar

On

"AUTOMATION & ROBOTIZATION IN INDUSTRY 4.0"

The Department of Mechanical Engineering in association with Institution of Engineers (India) organized a one day seminar on "Automation & Robotization in industry 4.0" on 25th September, 2019. The target group was the students of I & II B Tech Mechanical Engineering Students.

The resource person Mr. Vinay Sai S, Sr.Application Engineer, Axis Global Automation Group of companies Chennai delivered a lecture on automation & robotization in industry and the era of industry 4.0. The first industrial revolution started in the Great Britain. It introduced hydraulic and steam machine to factories. The second industrial revolution achieved the separation of components and the assembly of products based on labour division. It took people to an age of affordable consumer products of mass production. The third industrial revolution featured a wide application of the electronic and information technology and the continuous automation of manufacturing process. Today we are standing on the cusp of the Fourth Industrial Revolution. The Fourth Industrial Revolution brings the informatization of the manufacturing process and greatly change the way manufacturing industry works.

The Fourth Industrial Revolution can save the resources, improve the production efficiency and eventually benefit the profits in economic growth. The benefits are obvious when the conventional manufacturing industries use updated technologies to nurture new business with innovative ideas.

The objective of this Seminar is to highlight the opportunities smart manufacturing brings to manufacturers in terms of improvements in efficiency and sustainability. The lecture and interactive sessions was conducted in such a way that to provide participant with latest know-how on industry 4.0 and what it

takes to implement it for an industry. The students benefited and realized by attending this Seminar through acquiring knowledge on the values that Industry 4.0 brings to manufacturing industries.

The following topics were discussed in the seminar.

1. Industry 4.0 revolution in manufacturing industries.
2. IOT in automotive Industries
3. A High tech revaluation in manufacturing industries
4. Automation in automotive Industry
5. Role of multidisciplinary courses in engineering.



Mr. Vinay Sai S, Sr. Application Engineer delivering a lecture on "Automation & Robotization in Industry 4.0"



Student participants listening to the lecture



Group photo with the resource person