

TOPIC: industry 4.0 – opportunities in pharma & healthcare

The first half of day three was split into two sessions and it concentrated on the adoption of Industry 4.0 in pharmaceuticals companies. The speaker of the sessions was Dr. M.A.Kumar who is currently working in Infosys. His speech concentrated on industry 4.0 and its adoption across various pharma and Health care sectors.

The speaker of the session delivered an amazing session on the opportunities for pharmaceuticals & healthcare sectors in industry 4.0. He gave an insight to the key paradigms and strategy for digital transformation in the sector. He also explained the block chain concept in pharmaceuticals and healthcare sector and spoke of the QBD & PAT framework usage with real-time data & projected a clear understanding of the key factors and benefits of implementing such concepts in the medical and healthcare industry. He also specified the importance of block chain in health care . The main Points of his speech were as follows

- Industry 4.0- accelerating innovations in industries
- Key paradigms of industry 4.0
- Technology elements & characteristics of industry 4.0
- Pharma industry – trends & challenges
- Key healthcare industry challenges
- Digital transformation strategy for pharma & healthcare
- Reference architecture for industry 4.0
- OPC UA for industry 4.0
- Case study : bio manufacturing & vaccine manufacturing

- Quality by design (QBD) & PAT framework
- Block chain in pharmaceuticals : checking counterfeit drugs and vaccine
- Block chain in healthcare sector
- Additive manufacturing in healthcare (AM)

Few snaps from the session:

