

#ISPESingapore21

Pharma 4.0 is a refreshing concept I first encountered while taking part in ISPE Singapore Hackathon 2020. With the aim of pushing the pharmaceutical industry to new heights, Pharma 4.0 can bring to the table is endless benefits of increased yield through better systems control or efficient delivery through AI-optimized supply chains. That was my general understanding of it… At least until I sat in for a panel at the ISPE Singapore Conference 2021.

One of the sessions I attended was Pharma 4.0 & Advanced Therapies panel: Pharma manufacturing into the future. This panel was especially insightful in sharing how technology could revolutionize the pharmaceutical industry with the benefits it brings but only when guided in the right direction. Taking us to view technology from a pragmatic perspective, the discussions centred around our ability to validate and regulate how AI can be implemented in the industry. This entails a wide range of concern, stemming from standardization of procedures, lack of data and most importantly, safety.

Facilitating this requires immense co-operation from within the industry and for the pharmaceutical industry, which is well-known for its stringent regulations, they sure didn't miss a beat. Experts and institutions in the respective fields are already working together to develop the standard guidelines and bringing in technology allows more efficient use of the data gathered through the ability to share and analyze the right data digitally. The rapid uptake of Pharma 4.0 in the industry is definitely an exciting prospect to continue looking out for!

Beyond that, taking part in the conference was truly an eye-opening experience for me who is currently in the ISPE Students' Chapter as a marketing subcommittee member. It is a huge reminder for what I can contribute as an ISPESC marketing executive, seeing how my efforts in marketing can be linked to the bigger picture. The insights I took away from this event alone is tremendous, and it inspires me to continue serving my role, ensuring the success of future events to benefit others curious hearts to learn as much as I did.
Special thanks to @ISPE Singapore Affiliate for the wonderful opportunity to attend such a specialized and curated learning experience!

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LIVE
ISPE. Singapore Affiliate
CONFERENCE AND EXHIBITION
Critical Process Parameters to Validate
Light Intensity, Background & Contrast:
Must be measured periodically with a specified range
Inspection Rate
Challenge set comprised of greater than 80% acceptable units and between
2% to 20% defects.
Container Handling & Movement
Glass, Size, Viscosity, Colour
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Connecting Pharmaceutical Knowledge
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