



3D Printing in Healthcare – Certificate Course (Season 3)
In association with US Institute of 3D Technology (USI3DT), Ahmedabad
Duration: April – May 2025

Speakers:

Eminent Faculty & Experts from:

- US Institute of 3D Technology (USA & Ahmedabad)

Programme:

Mode: Hybrid (Live online sessions + Hands-on demonstrations)

Participants: 30 enthusiastic learners including students,

Schedule Overview:

Event Details:

The **3D Printing in Healthcare Certificate Course – Season 3** was launched by Anand Pharmacy College in collaboration with **USI3DT, Ahmedabad**. The course aimed to bridge the gap between current healthcare education and futuristic 3D printing applications.

Participants were introduced to a wide range of topics including the basics of 3D printing, CAD designing, slicing software, additive manufacturing methods, and their applications in pharmacy, dental science, tissue engineering, and biomedical innovation. The course also covered regulatory and intellectual property perspectives along with a live demonstration of 3D printers, scanners, and pens.

Each session concluded with interactive Q&A discussions, ensuring concept clarity and engagement. The final day included an MCQ-based assessment to evaluate understanding.

Outcomes:

- **Enhanced Conceptual Understanding:** Participants gained in-depth knowledge of 3D printing processes, materials, and their scope in healthcare.
- **Hands-on Technical Skills:** Practical exposure to slicing software, CAD tools, FDM printers, and scanning tools.

- **Application-Oriented Learning:** Sessions tailored for healthcare applications in pharmaceuticals, biomedical devices, and dentistry.
 - **Career & Research Readiness:** Strengthened participant capability to integrate 3D printing in academic projects or professional roles.
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Conclusion:

The **Season 3 – 3D Printing in Healthcare Certificate Course**, organized by Anand Pharmacy College in association with **USI3DT**, successfully provided a structured and interactive platform to explore emerging 3D printing technologies. The enthusiastic participation and positive feedback from students and professionals affirmed the program's relevance, impact, and potential to drive innovation in healthcare.



