INTERNATIONAL AI DRIVING LICENSE

3D Printing

30 N GOULD ST,
STE R, SHERIDAN WY 82801
USA

info@iaidl.org
iaidl.org

Approved By : IAIDL accreditation Manager

Date: Sep/27th/2020

Next review due by: July 2021

3D Printing

Additional manufacturing techniques used to create three-dimensional objects based on digital models by layering or "printing" successive layers of materials. 3D printing relies on innovative "inks" including plastic, and more recently, glass and wood.

Course Outline:

Chapter (1) Introduction

- Introduction
- What is 3D Printing?
- History of 3D Printing

Chapter (2) 3D Printing Process

- Using Matter Control Application

Chapter (3) 3D Printing Importance

- Diversity of 3D Printing Applications
- The Ability to Copy Designs
- Low 3D Printing Cost
- Easily Make Various Adjustments
- Accurate Design and Perfect Finished Product
- Multiple Medical Uses

Chapter (4) 3D Printing Materials

Chapter (5) 3D Printing Technologies

- Stereo-Lithography (SLA)
- Fused Deposition Modeling (FDM)
- Digital Light Processing (DLP)
- Selective Laser Sintering (SLS)

Chapter (6) Strategy for 3D Printing

- Strategy Scope

Chapter (7) 3D Printing and AI

- Raise of 3D Printing
- AI for Measuring Materials
- 3D Printing for AI
- Principle of Printing
- 3D Printing Challenges
- Future of 3D Printing

Summary

Appendix