

# INDUSTRIAL SHORT COURSE

## *APPLICATION AND IMPLEMENTATION OF ADDITIVE MANUFACTURING FOR PRODUCTION*

FOR

### SMALL, MID, AND LARGE MANUFACTURERS, AND SUPPLIERS

This industrial short course is aimed on delivering learning modules in classroom and **hands-on laboratory** setting on production quality AM equipment. Teaching modules will address various aspects of production from feedstock metal powders to prototypes of designs for metal parts.

#### THE ONE DAY COURSE WILL COVER THE FOLLOWING LEARNING MODULES:

##### **ADDITIVE MANUFACTURING CONCEPTS**

BASICS OF AM, VALUE PROPOSITIONS AND DESIGNS

##### **METAL POWDERS**

POWDER CHARACTERIZATION, POWDER HANDLING,  
AND SAFETY

##### **METAL ADDITIVE MANUFACTURING - 1**

OVERVIEW OF METAL AM TECHNIQUES - LASER-POWDER  
BED FUSION (L-PBF) AND DIRECTED ENERGY  
DEPOSITION (DED).

##### **METAL ADDITIVE MANUFACTURING - 2**

PROCESS PARAMETERS, PART ANALYSIS AND  
QUALIFICATION.

##### **AM IMPLEMENTATION IN PRODUCTION**

FACILITY DESIGN, OPERATIONAL PLANNING, AND USER  
INTERFACE.

##### **BUSINESS AND INDUSTRIAL CASES**

INDUSTRIAL APPLICATIONS - BIOMEDICAL,  
AEROSPACE, AUTOMOTIVE, TOOLING.

#### SHORT COURSE DATE:

SEPTEMBER 3, 2025 - 16 TECH | INNOVATION DISTRICT **(INDIANAPOLIS, IN)**

#### REGISTRATION FEE: \$995

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