

COURSE LEARNING OUTCOME

Training : INVENTOR TRAINING

Level : Beginner To Intermediate

Software : Autodesk Inventor & Fusion 360

Objective : The primary goal of Madani Upskill Autodesk Inventor & Fusion 360 Basic Training is to equip participants with fundamental skills in using the software for 3D mechanical design. This includes mastering essential tools, sketching, modeling, assembly creation, and 2D drawing generation.

| Day 1 | | |
|---------|--|---------------------|
| Process | Topic | Time |
| Theory | <ul style="list-style-type: none"> Arrival and Setup Introduction Speech Who is Bimage? What is Parametric What is CAD | 9.30 am – 10.30 am |
| Sketch | <ul style="list-style-type: none"> Inventor Fundamental Understanding the Workflow Getting Started (Interface) Project Sketch | 10.30 am – 11.00 am |
| | <ul style="list-style-type: none"> Sketching Geometries Sketch Dimensioning Sketch Constraint | 11.00 am – 1.00 pm |
| | <ul style="list-style-type: none"> Lunch Rest | 1.00 pm – 2.00 pm |
| Sketch | <ul style="list-style-type: none"> Sketch Tools Additional Sketch Features | 2.00 pm – 5.00 pm |

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|------------|--|-------------------|
| | <ul style="list-style-type: none"> • Sketched Secondary feature • Projected Geometry | |
| 3D Feature | <ul style="list-style-type: none"> • Create Base Feature • Work feature • Conclusion On Day 1 | 5.00 pm – 5.30 pm |

| Day 2 | | |
|-------------|--|---------------------|
| Process | Topic | Time |
| | <ul style="list-style-type: none"> • Arrival and Setup | 9.30 am – 10.30 am |
| 3D Features | <ul style="list-style-type: none"> • Equations • Extrude | 10.30 am – 11.00 am |
| | <ul style="list-style-type: none"> • Revolve • Sweep • Hole Feature | 11.00 am – 1.00 pm |
| | <ul style="list-style-type: none"> • Lunch • Rest | 1.00 pm – 2.00 pm |
| 3D Features | <ul style="list-style-type: none"> • Loft • Fillets • Chamfer | 2.00 pm – 5.00 pm |
| Theory | <ul style="list-style-type: none"> • Conclusion on Day 2 | 5.00 pm – 5.30 pm |

| Day 3 | | |
|---------------------|---|---------------------|
| Process | Topic | Time |
| | <ul style="list-style-type: none"> Arrival and Setup | 9.30 am – 10.30 am |
| Assembly/ Theory | <ul style="list-style-type: none"> Assembly Environment Degree of Freedom Place Component/Content Centre | 10.30 am – 11.00 am |
| | <ul style="list-style-type: none"> Component Rotate & Navigations Mates & Constraint Joint Connections Mechanism | 11.00 am – 1.00 pm |
| | <ul style="list-style-type: none"> Lunch Rest | 1.00 pm – 2.00 pm |
| 2D Drawing | <ul style="list-style-type: none"> Assembly BOM Basic Drawing Base views Scale Cross Sections Title Block | 2.00 pm – 5.00 pm |
| Theory | <ul style="list-style-type: none"> Conclusion on Day 3 | 5.00 pm – 5.30 pm |

| Day 4 | | |
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| Process | Topic | Time |
| | <ul style="list-style-type: none"> Arrival and Setup | 9.30 am – 10.30 am |
| Sketch/ Theory | <ul style="list-style-type: none"> Introduction Of Fusion 360 Basic of Fusion team Fusion Team Interface | 10.30 am – 11.00 am |
| | <ul style="list-style-type: none"> Basic Sketch Plane Fusion 360 Environments | 11.00 am – 1.00 pm |
| | <ul style="list-style-type: none"> Lunch Rest | 1.00 pm – 2.00 pm |
| 2D & 3D Drawing | <ul style="list-style-type: none"> Sketch tools Constraints Dimension Extrude Revolve Basic Assembly Basic DWG | 2.00 pm – 5.00 pm |
| Theory | <ul style="list-style-type: none"> Conclusion on Day 4 | 5.00 pm – 5.30 pm |