



# UNIVERSITY INSTITUTE OF TECHNOLOGY, RGPV, SHIVPURI

## ABOUT INSTITUTE

As per the directives of Government of Madhya Pradesh, University Institute of Technology, Shivpuri, a constituent institute of Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal is established in 2020. The institution presently offers undergraduate programmes in Civil Engineering, Computer Science Engineering, Electrical and Electronics Engineering and Mechanical Engineering with an intake of 60 students each.

Our main thrust areas are to enhance opportunities for research in areas of high relevance to nations science and technology capabilities. Promote use of IT in technical education through promotion of e-Learning and web enabled teaching processes. Transforming the institute into a knowledge enterprise through its focus on research and development, industrial consultancy and by establishing efficient and effective mechanisms for managing innovations.



## ONE WEEK TRAINING PROGRAM



## ON "AUTOCAD SOFTWARE" (Basic to Advance)

22 to 26 April 2026

## ONLY FOR B.TECH FIRST YEAR STUDENTS

Venue - UIT-RGPV, Shivpuri (M.P.)

Organized By

MECHANICAL ENGINEERING DEPARTMENT

### CHIEF PATRON



Prof. S. C. Choube  
Hon'ble Vice Chancellor  
RGPV, Bhopal (M.P.)

### PATRON



Dr. S. K. Dhakad  
I/C Director  
UIT-RGPV, Shivpuri (M.P.)

### FACULTY COORDINATORS



Mr. Palash Goyal

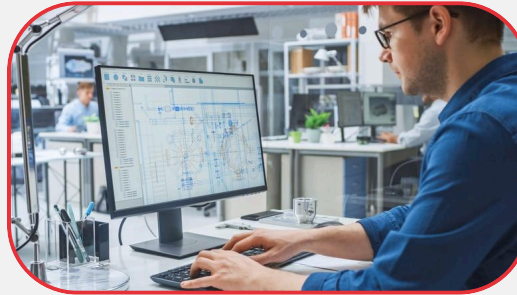


Dr. Atul Dhakar

## 7 DAYS AUTOCAD TRAINING MODULE

### DAY 1: INTRODUCTION & INTERFACE

- **Goal:** Understand basics
- Introduction to AutoCAD
- Interface: Ribbon, Toolbars, Command Line
- Units setup & workspace
- Basic Commands: Line, Circle, Rectangle Navigation: Zoom, Pan



### DAY 2: DRAWING & MODIFY TOOLS

- **Goal:** Learn precise drawing
- Draw Tools: Arc, Ellipse, Polyline
- Modify Tools: Move, Copy, Rotate, Scale Trim, Extend, Offset, Mirror

### DAY 3: PRECISION & OBJECT CONTROL

- **Goal:** Improve accuracy
- Object Snap (OSNAP)
- Ortho Mode & Polar Tracking
- Grid & Snap settings
- Selection methods

### DAY 4: LAYERS & ANNOTATION

- **Goal:** Organize drawings professionally
- Layers (Create, Lock, Freeze)
- Colors, Linetypes, Lineweights
- Text (Single/Multi-line)
- Dimensions (Linear, Angular, Radius)

  
UIT-RGPV,  
Gwalior Road,  
Satanwada Kalan,  
Madhya Pradesh  
Pin- 473551

### DAY 5: BLOCKS & HATCHING

- **Goal:** Speed up workflow
- Blocks (Create, Insert, Edit)
- Dynamic blocks (basic intro)
- Hatch & Gradient

### DAY 6: LAYOUTS, PLOTTING & XREF

- **Goal:** Prepare for printing
- Model Space vs Paper Space
- Viewports setup
- Plotting/Printing settings
- External References (Xref)

### DAY 7: ADVANCED TOOLS & FINAL PROJECT

- **Goal:** Apply everything
- Introduction to 3D
- Advanced editing tricks
- Final Project:
  - House plan / Machine drawing

### STUDENTS COORDINATORS

- Mr. Jatin Namdev (Contact No. - 7049788450)
- Mr. Gaurav Shakya (Contact No. - 62616 47315)

**FREE**



Scan QR for Registration