



**ARAVALI**  
INSTITUTE OF TECHNICAL STUDIES

Approved by AICTE & Affiliated to RTU, BTER  
AN ISO 9001: 2015 CERTIFIED ENGINEERING COLLEGE

**13 YEARS**  
OF EXCELLENCE



# Mechanical Engineering Department



News Letter  
*Mechanical Mirror*  
Published on  
January 2022

VOLUME II,  
ISSUE III

# Vision

Towards a Global Knowledge Hub, striving continuously in pursuit of excellence in Mechanical Engineering Education, Entrepreneurship and Innovation

# Mission

- To impart total quality education through effective hi-tech teaching-learning techniques and department-industries collaboration.
- To mold the young dynamic potential minds to emerge as full-fledged future professionals so as to achieve top ten ranking status in the national level.
- To achieve international standards to fulfill the Government's "Make In India" industrial policy through innovation and research.

# Program Specific Outcomes (PSO's)

**PSO1:** Ability to challenge the start of an accessible business and address the complex technical issues identified in designing, heat, and creating related businesses with the target device.

**PSO2:** Ability to directly analyze and recover actual situations related to design using calculation methods and tools. You can work freely under research and mechanical conditions.

**PSO3:** The ability to intelligently incorporate information received both verbal and compound.

# Message from Director



Dr. Hemant Dhabhai  
Director, Aravali Institute of Technical Studies

*Mechanical engineering is one of the oldest and broadest engineering disciplines, and plays a significant role in enhancing safety, economic vitality, enjoyment and overall quality of life throughout the world. A prerequisite for development is growth and that is directly related to production or output of a country. If production is done via a sustainable path, it can maintain the sustainability of development.*

*I am glad to know that the Department of Mechanical Engineering of AITS is bringing out a monthly Newsletter. The college is proud of the achievements of the students and staff of the department and bringing out this Newsletter. I wish all success for the Newsletter and hope they carry forward the vigor and dedication for bringing out the future volumes of Newsletter.*

## **EDITOR DESK**



Gourav Purohit  
ADSW, Aravali Institute of Technical Studies

*It gives me an immense pleasure to introduce Mechanical Mirror Newsletter of Mechanical Engineering. This newsletter will help our department stay connected to a given community. As we offer students a regular dose of department-related news and information, we are also giving them another way to contact department and to keep in touch with it. Even as students or faculty graduate and alumni, they will likely stay in contact with the newsletter, thereby preserving the relationship they have with the department.*

## Message from HOD

*A warm and Green Greetings from the Department of Mechanical Engineering at AITS, Udaipur. The college has been simply unstoppable in its progress as it has been actively involved in various activities that have brought to light the hidden talents of the college students and staff. Mechanical Engineering is a professional Core engineering discipline that deals with the design, production and maintenance of any produce of any industry. The pride of every student and staff would be in his/her department and college.*

*Our department has a team of highly qualified and experienced faculty, good infra structure and lab facilities. We are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and technology. We always work with the motto "Nothing can be achieved without genuine effort." The core values of the department help the students to develop their overall personality and make them worthy to compete and work at global level. Our faculty are continuously attending various training programs, publishing research papers, books and filing patents. Many are pursuing research. Our department has been conducting seminar / conferences to keep the faculty and students abreast with the latest developments in the field of technical education. We are happy to share that many students are pursuing higher studies in leading universities in India and abroad. I am certain that our students will prove to be an invaluable asset to an organization. We, Mechanical engineers to build the nation.*



**Dr. Vijayendra Singh Sankhla**

**Professor and Head Department of Mechanical Engineering**

# WORKSHOP

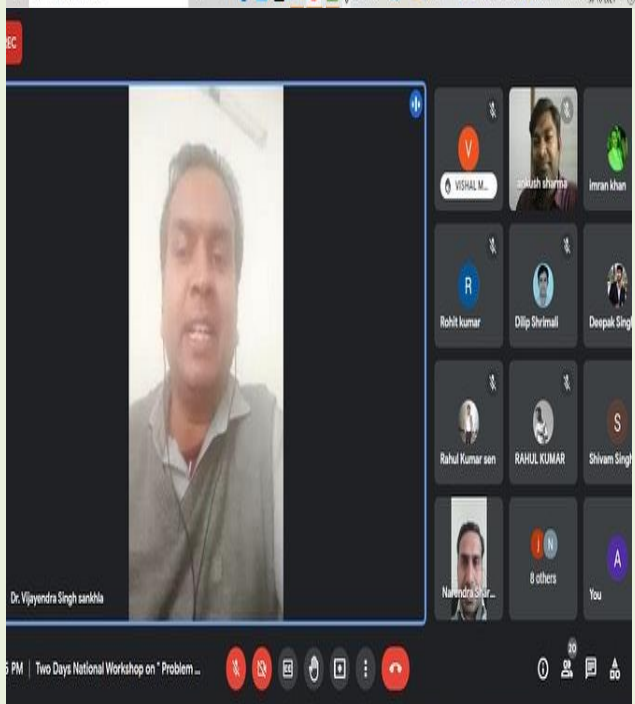
## Two Days Online National Workshop

On

**Business Management and Improvement through ERP, An Only Path for Global Business** organized by  
**IIC & Department of Mechanical Engineering**

**Key Note Speaker**

**Mr. Pradeep Sharma**



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A Grade Institute Declared by RTU

**INSTITUTE FOR INNOVATION COUNCIL**  
Member of IIC (National)

**NAAC**  
NATIONAL ASSOCIATION OF AMBA  
ACCREDITED

**1st**  
IN INNOVATION  
FOR THE YEAR 2019-20

**13 YEARS**  
OF EXCELLENCE

**IIC & DEPARTMENT OF MECHANICAL ENGINEERING**  
is organizing

**TWO DAYS ONLINE NATIONAL WORKSHOP ON**  
"Business Management and Improvement through ERP,  
An Only Path for Global Business"

Certificate will be provided to all participants

**30th & 31st OCT. 2021** 11:00 AM ONWARDS

**Eminent Speaker**

**Mr. Pradeep Sharma**  
Senior Consultant & Functional Head  
APPLE INC & COUMIDANT, Hyderabad

**Event Coordinator**

**Dr. Vijayendra S. Sankhla**  
Professor & HOD, ME  
Vice-President of IIC Cell

REGISTRATION LIVE

JOB SOCIAL MEET

B.Tech. | M.Tech. | M.C.A. | B.C.A. | B.Sc. | Polytechnic Diploma | B.Sc. Nursing

+919513105332

www.aravali.education.org

**EVA**

# WORKSHOP

## Two Days Online National Workshop

On

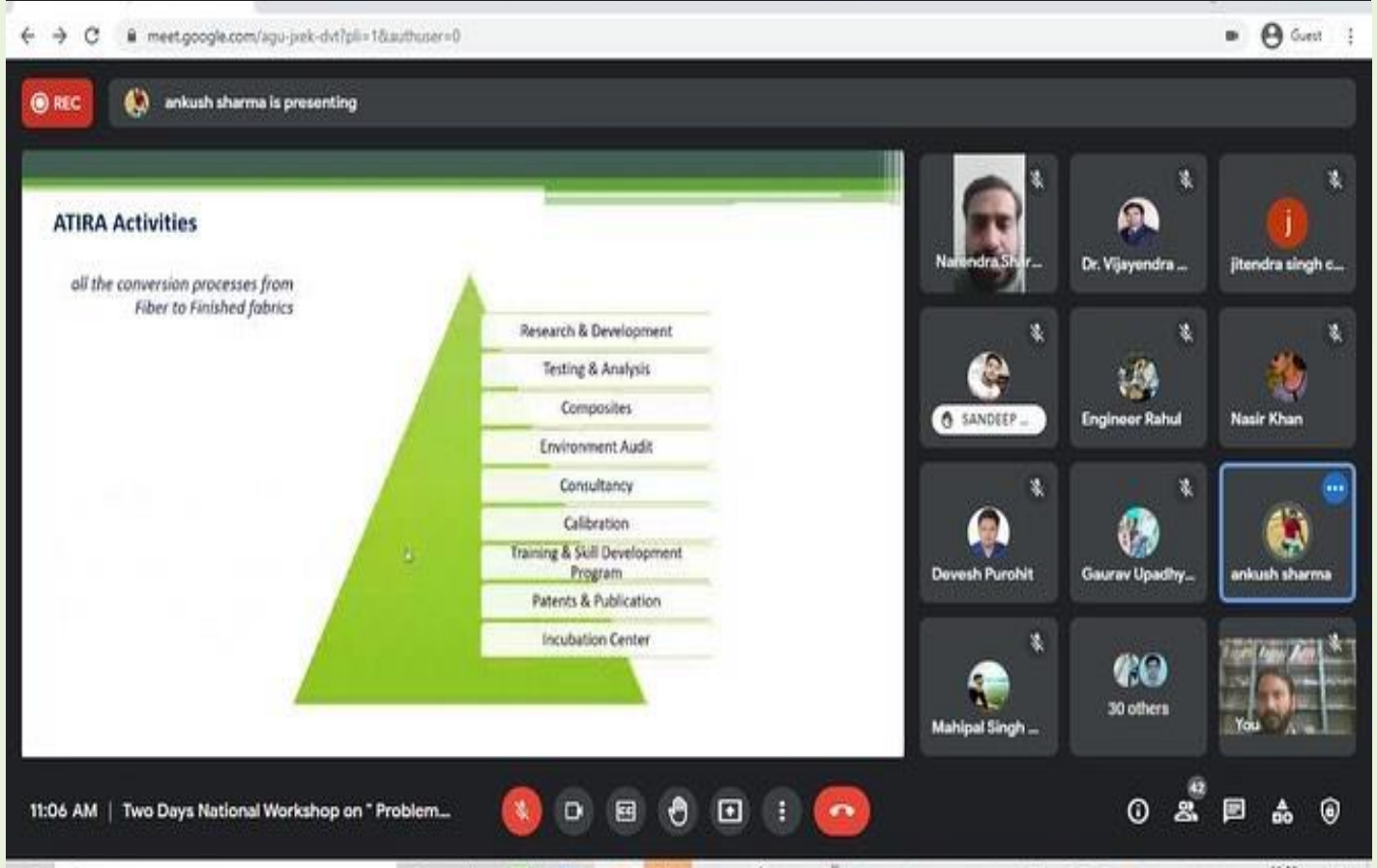
“Problem Solving and Ideation”

Key Note Speaker

**Dr. Ankush Sharma**

Scientific Officer

ATIRA (Research Center) Ahmadabad



# WORKSHOP

## Two Days Online National Workshop

On

“Problem Solving and Ideation”

Key Note Speaker

**Dr. Ankush Sharma**

Scientific Officer

ATIRA (Research Center) Ahmadabad



**15Days Software Training  
On  
Solid works  
Key Note Speaker  
Mr. Praveen Rathore  
(Software Trainer)**



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**NAAC**  
NATIONAL ACADEMIC ACCREDITATION COUNCIL OF INDIA  
13 YEARS OF EXCELLENCE

**1st**  
IN UDAPUR  
RTU OIV RATING  
2021-22

DEPARTMENT OF MECHANICAL ENGINEERING  
is organizing

**15 DAYS SOFTWARE TRAINING  
"SOLIDWORKS"**

SOFTWARE TRAINER



**MR. PRAVEEN RATHORE**  
Design Engineer

**Key Highlights:**

- Introduction to CAD, CAE, PDM
- Sketch Entities
- Sketch Tools, Blocks, Relation
- Part Modeling
- Creating loft Features
- Creating curves
- Creating Chamfer
- Assembly drawing
- E-Certificates to all participants

DATE & TIME: 15<sup>th</sup> Nov to 1<sup>st</sup> Dec 2021  
1:00 PM to 03:00 PM

VENUE: COMPUTER LAB 310

Coordinator: Dr. Vijayendra S. Sankhla  
Professor & HOD, ME

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**SVA**  
GROUP

# TRAINING

## 10 Days Software Training

### AutoCAD

Key Note Speaker

**Mr. Praveen Rathore**

(Software Trainer)

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NAAC  
13 YEARS  
OF EXCELLENCE  
1st  
IN GRADUATE  
RTU GATEWAY  
2017-22

DEPARTMENT OF MECHANICAL ENGINEERING  
**10 DAYS SOFTWARE TRAINING**  
**"AUTOCAD"**

**KEY HIGHLIGHTS**  
OF THE SESSION:

- Taking the AutoCAD
- Creating Basic Drawing
- Manipulating Objects
- Drawing Organization and inquiry
- Alerting Objects
- Annotating Drawings
- Hatching Objects, Dimensioning
- Working with Reusable Contents
- Creating Additional Drawing
- Layout and Plotting

**SOFTWARE TRAINER**



**MR. PRAVEEN RATHORE**  
DESIGN ENGINEER

DATE:  
7<sup>th</sup> DEC. 2021 to 17<sup>th</sup> DEC. 2021

TIMING:  
10:00 AM TO 12:00 NOON

VENUE:  
COMPUTER LAB 310

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SVA GROUP

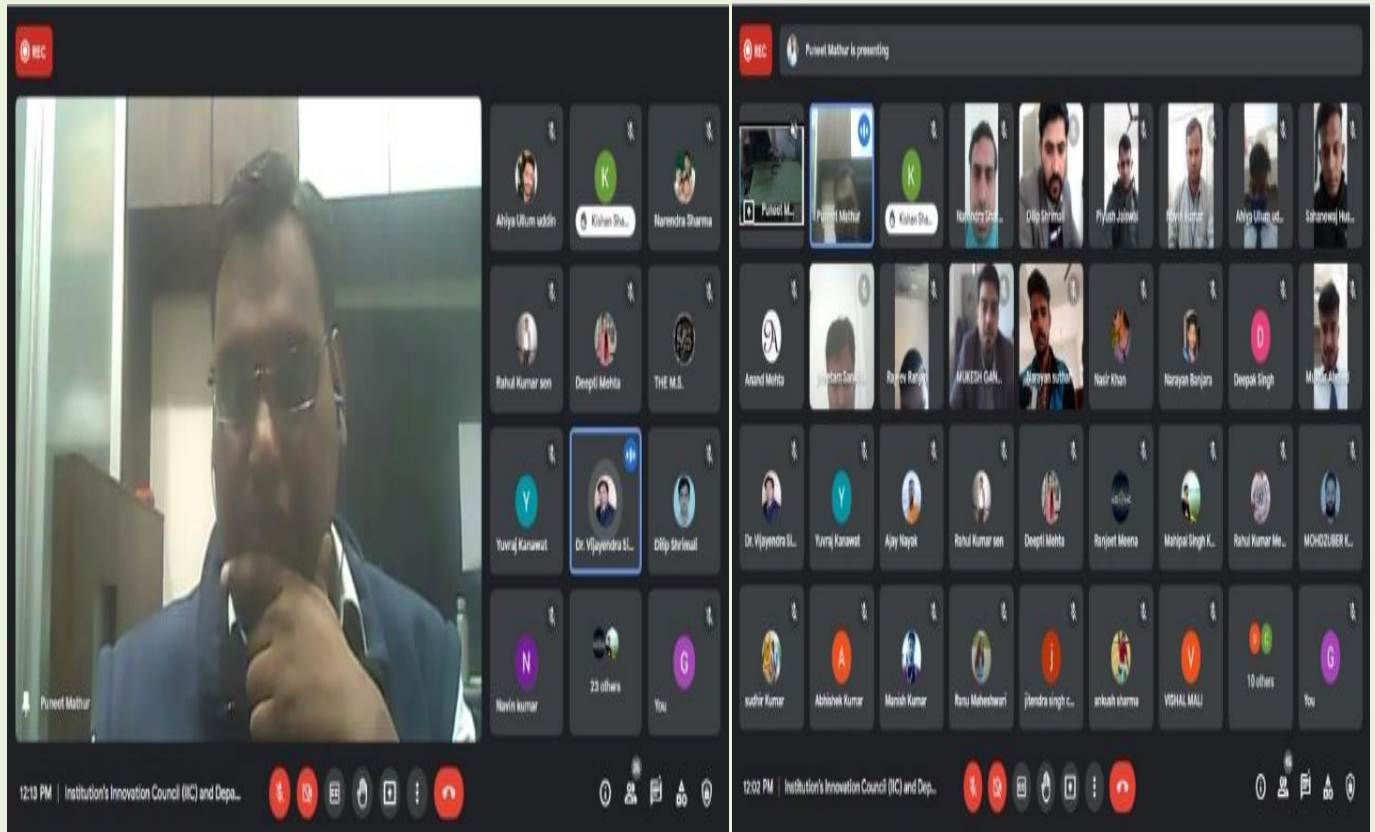
\*FEE/SCHOLARSHIPS WILL BE PROVIDED TO ALL PARTICIPANTS



**EXPERT TALK**  
**“My Story” “Motivational Session of a Successful Innovator”**  
**Key Note Speaker**

**Mr. Puneet Mathur**

(Assistant Professor, Department of Mechanical Engineering, Marwadi University, Rajkot)





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INSTITUTION'S  
 INNOVATION  
 COUNCIL  
 (Ministry of HRD Initiative)



**13 YEARS  
 OF EXCELLENCE**



Department of Mechanical Engineering  
 organizing a

## “MY STORY”

“Motivational Session of a Successful Innovator”

KEY HIGHLIGHTS OF THE SESSION:

- JOURNEY OF INNOVATION
- CHALLENGES
- LEARNING
- MOTIVATION
- CONCLUSION

**EXPERT**



**MR. PUNEET MATHUR**  
 Assistant Professor  
 Marwadi University, Rajkot

**COORDINATOR**  
**DR VIJAYENDRA S. SANKHLA**  
 Professor & HOD, ME Vice President,  
 BC AITS

DATE  
**04<sup>th</sup> DEC. 2021**

TIME  
**11:00 AM ONWARDS**

SCAN TO REGISTER



SCAN TO JOIN



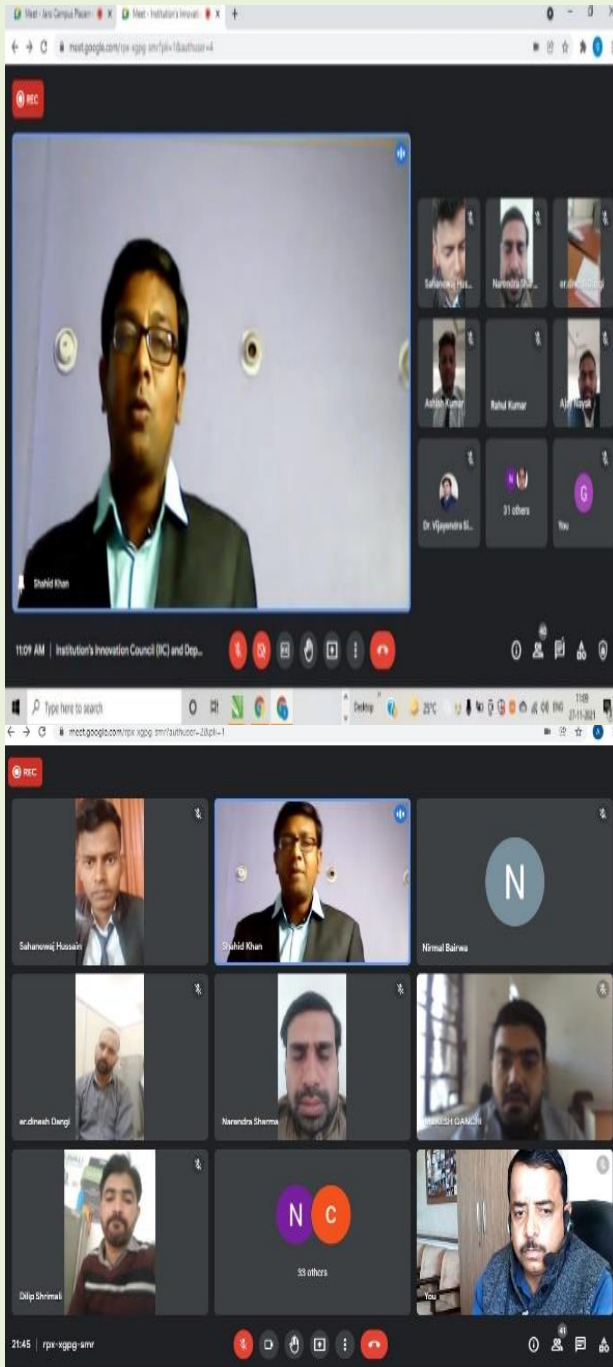
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**EXPERT TALK**  
**“My Story” “Motivational Session of**  
**A Successful Entrepreneur”**  
**Key Note Speaker**  
**Mohd. Shahid Khan**  
 Owner & Founder  
 Autoz Engineering, Ujjain (M.P.)





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(Ministry of HRD Initiative)

&

Department of Mechanical Engineering

**EXPERT**



**MOHD SHAHID KHAN**  
Owner & Founder Autoz Engineering,  
Ujjain (M.P.)

**“MY STORY”**  
“Motivational Session of a Successful Entrepreneur”

**KEY HIGHLIGHTS OF THE SESSION:**

- JOURNEY OF START-UP
- MOTIVATION
- CHALLENGES
- CONCLUSION
- LEARNING

DATE

**27<sup>th</sup> NOV. 2021**

TIME

**11:00 AM ONWARDS**

SCAN TO REGISTER



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**INDUSTRIAL TRAINING**  
**Pyro Tech Pvt. Ltd., Udaipur**  
**25.11.21**



**Doors n Doors**  
**10.12.21**





**GG Valve Pvt. Ltd., Udaipur**

**10.12.21**



**Industrial Vist from  
College to**

📍 **GG VALVES PVT. LTD.**

**Industrial Visit: Udaipur Cement Works Limited, Udaipur  
23.12.21**



# Placements



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# Congratulations!!!

## FOR CAMPUS PLACEMENT IN



**KUMARI DOLLY**  
B.Tech (Computer Science)



**NABO LEGO**  
B.Tech (Civil Engineering)



**CHANDRAKANT KUMAR  
SINGH**  
B.Tech (Civil Engineering)



**LAKSHYAJEET  
SINGH CHOUHAN**  
B.Tech (Mechanical Engineering)



**AJAY KUMAR**  
(Diploma ME)



**NASIR KHAN**  
(Diploma ME)



**MANISH KUMAR**  
(Diploma CS)

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### **Vision:**

Tomorrow will take care of itself if one does an excellent job today. To nurture and develop talent, blended with values and technology to strengthen the technical manpower of the nation.

### **Mission:**

- Impart quality education along with industrial exposure.
- To provide industry interface for faculty and students to work on projects with end goal of real time knowledge.
- Enhancing the quality of life through sustainable development.
- To continuous development of infrastructure and enhance state-of-the-art equipment to provide our students a technology up-to-date and intellectually inspiring environment of learning, research, creativity, innovation and professional activity and provide ethical and moral values.



**Disclaimer :** All information published in this newsletter is based on events and reports that took place at Aravali Institute of Technical Studies. Errors, if any, are purely unintentional and readers are requested to communicate such errors to authorities.