

S. N. PATEL INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE, UMRAKH

Managed By Vidyabharti Trust, Umrakh-Bardoli (AICTE Approved & Affiliated with GTU)

MECHANICAL ENGINEERING

INSTITUTE VISION & MISSION

VISION

To be recognized as a peer technical and research institution by facilitating transformation of students into ethical citizens and competent technocrats to meet the growing technological and socioeconomic needs.

MISSION

- To provide high quality, innovative and competitive learning experience through creative balance of academic and extracurricular programs in collaboration with other academic and research institutions as well as government bodies.
- Enable students to develop skills to solve complex technological problems of current era through industry-academia interaction and mould themselves as future leaders.
- To synergize the students, staff, society and industries by developing competency, employability, entrepreneurship and research skils.
- To promote new ideas, research and consultancy services for industrial and societal needs.



VISION

To be a centre of quality technical education in the field of mechanical engineering leading to competent technocrats with ethical values through state-of-the-art teaching and research methodology.

MISSION

- To impart undergraduates quality technical education along with sound technical communication skill.
- To provide the quality infrastructure, tools and teaching-learning environment.
- To inculcate qualities of leadership, teamwork and entrepreneurship with professionalism and ethical values.
- To bridge students with industries and research organizations so as to increase placement or higher studies preferences amongst the graduates.



DEPARTMENT VISION



MISSION

Magazine Committee

Coordinator



Prof. Vishalkumar Z. Dhimmar

In/C, HOD

Member



Member



Prof. Vivek B. Bhagat Prof. Rikesh B. Prajapati **Assistant Professor Assistant Professor**

Member



Prakash G. Khairnar

Student

Member



Valay M. Rana

Student

Member



Faizan M. Saiyad Student

Member



Swapnil A. Prajapati Mohini D. Mahyavanshi

Student

Member



Student

MERITORIOUS STUDENTS

WINTER 2019 GTU EXAMINATION

Semester 1

Semester 1			
Enrolment No	Name		
190490119025	Mavani Denis Ashokbhai	9.26	
190490119037	Patel Jeel Suketubhai	8.89	
190490119026	Misal Sagar Sampatbhai	8.11	
190490119032	Patel Dharmin Vinaykumar	7.74	
190490119040	Patel Krunal Gokulbhai	7.47	

Semester 3				
Enrolment No	Name	SPI		
180490119040	Saiyad Sufiyan Md ibrahim	8.04		
180490119042	Salve Mayur Randhirbhai	7.91		
180490119037	Prajapati Ravi Bharatbhai	7.74		
180490119003	Baheliya Ajay Radheshyam	7.35		
180490119043	Sharma Sonu Ramkumar	7.17		

Semester 3

Semester 5

Semester 5				
Enrolment No	lment No Name			
170490119065	Rana Karan Kanchanbhai	8.68		
170490119035	Khairnar Prakash Gyaneshvar 8.			
170490119047	Patel Divyesh Dhansukhbhai			
170490119023	0490119023 Gamit Jaymeet Jitendrabhai			
170490119080	Sonvane Hitesh Sunilbhai	8.1		

Semester 7				
Enrolment No	Name	SPI		
160490119026	Javiya Vatsal Babubhai	9.53		
160490119040	Panchal Harsh Alkeshbhai	9.13		
170493119017	Dave Meet Tusharbhai	9.03		
160490119030	Khatri Yash Harshadbhai	9		
160490119014	Chaudhari Tarkik Umeshbhai	8.83		

Semester 7

Activities INDUSTRIAL VISIT

SURAT DISTRICT CO-OPERATIVE MILK PRODUCERS' UNION LTD (SUMUL), SURAT



Mechanical department had arranged one-day visit of Surat District Co-operative Milk Producers' Union Ltd, Surat on 18th January 2020 for 3rd year students as a part of Refrigeration and air conditioning (RAC) Subject. The visit was conducted by Prof. Anil Patel and Prof. Hiren Tamboli where total 78 students have benefitted from this visit.

BHARKADEVI ICE-CREAM FACTORY
NANDIDA, BARDOLI
18TH JAN, 2020

Mechanical department had arranged one-day visit of Bharkadevi Ice-cream factory on 18th January 2020 for 2nd year students as a part of manufacturing processes and organisation behaviour. The visit was conducted by Prof. Milan Patel and Prof. Harshal Shukla where total 69 students have benefitted from this visit.





BARDOLI SUGAR FACTORY

Mechanical department had arranged one-day visit of Sugar Factory, Bardoli for 1st year and 2nd year students as a part of manufacturing processes and organization behaviour subjects as the factory had their unit which includes manufacturing, inventory and delivering their products at various locations in PAN India. The visit was conducted by Prof. Harshal Shukla where total 85 students have benefitted from this visit.

Activities WORKSHOP

VERTICAL MACHINING CENTRE



The Department of Mechanical Engineering had organized one day workshop on "Vertical Machining Centre" at SNPIT&RC, Umrakh for the final year students of GP, Waghai. The Purpose of the workshop was to understand the fundamentals of CNC part programing and Operation on VMC (Vertical Machining Centre) machine. To Explore Computer Aided Manufacturing and to describe the fundamentals of CNC Part Programming, various processes related to Automation, applications and implications.

ROLE OF PRODUCTION ENGINEER IN WELDING TECHNOLOGY WITH NDT METHODS



26[™] FEB 2020



The Department of Mechanical Engineering had organized two days workshop on "Role of production engineer in welding technology with NDT methods" at SNPIT&RC, Umrakh for the final year students. The Purpose of the workshop to spread awareness about the need of production engineer in advance welding domain in conjunction with NDT methods. The EXPERT SPEAKERS were Mr. Amit Kulkarni: construction manager at L&T ECC Division (Engineering Construction Company) and Mr. Hemant Desai, managing director at Desai industrial inspection services Pal-hazira road, Surat.

Activities

WORKSHOP

VERTICAL MACHINING CENTRE

26TH FEB 2020



The Department of Mechanical Engineering had organized one day workshop on "Vertical Machining Centre" at SNPIT&RC, Umrakh for the final year students of A. Y. Dadabhai Technical Institute, Kosamba. The Purpose of the workshop was to understand the fundamentals of CNC part programing and Operation on VMC (Vertical Machining Centre) machine. The EXPERT SPEAKERS was Prof. Ripal Patel, Assistant Professor, SNPIT&RC and total 72 students gets benefitted from this workshop.



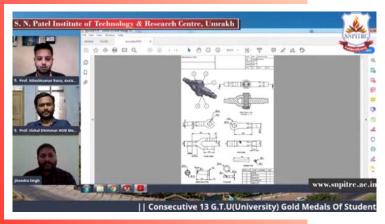
VERTICAL MACHINING CENTRE

28TH FEB 2020

The Department of Mechanical Engineering had organized one day workshop on "Vertical Machining Centre" at SNPIT&RC, Umrakh for the final year students of BVPIT (Diploma Studies), Umrakh. The Purpose of the workshop was to understand the fundamentals of CNC part programing and Operation on VMC (Vertical Machining Centre) machine. The EXPERT SPEAKERS was Prof. Ripal Patel, Assistant Professor, SNPIT&RC and total 27 students gets benefitted from this workshop.

Activities WEBINAR

INTRODUCTION TO 3D CAD/CAE SOFTWARE: SOLIDWORKS 14TH MAY 2020



The Department of Mechanical Engineering had organized an Expert Lecture on "Introduction to 3D CAD/CAE Software: SolidWorks" as subject Computer Aided

Design and Machine Design & Industrial Drafting by SNPIT&RC, Umrakh.

speaker was Mr. Jitendra Singh: Sr. Application Engineer, SOPAN Institute of Engineering & Design. This Webinar was live and is available on Youtube link:

https://www.youtube.com/watch?v=84OYJsWKeko

ENTREPRENEURSHIP DEVELOPMENT 19[™] MAY 2020

The Department of Mechanical Engineering had organized an Expert Lecture on "Entrepreneurship Development" by SNPIT&RC, Umrakh. The speaker was Mr. Amit Yadav: CEO, Dechcept Private Limited. The Webinar was live and is a v a i l a b l e o n Y o u t u b e l i n k: https://www.youtube.com/watch?v=MSrzCbxoEiY



RECENT TRENDS IN QUALITY ENGINEERING 25TH MAY 2020

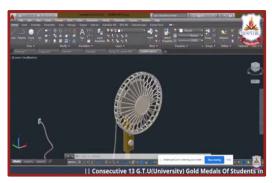


The Department of Mechanical Engineering had organized an Expert Lecture on "Recent Trends in Quality Engineering" by SNPIT&RC, Umrakh. The speaker was Dr. Tushar Desai: Professor, MED at SVNIT, Surat. The Webinar was live and is available on Youtube link:

https://www.youtube.com/watch?v=cjZgierS8co

Activities WEBINAR

INTRODUCTION TO AUTOCAD

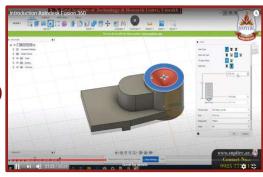


26TH MAY 2020

The Department of Mechanical Engineering had organized an Expert Lecture on "Introduction to AutoCAD" by SNPIT&RC, Umrakh. The speaker was Mr. Umang Dholakiya: CAD Trainer, Khodiyar CAD Centre India Pvt. Ltd. This Webinar was live and is available on Youtube link: https://www.youtube.com/watch?v=bPSDLQdDntc

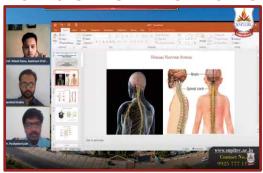
INTRODUCTION TO AUTOCAD FUSION 360

01ST JUNE 2020



The Department of Mechanical Engineering had organized an Expert Lecture on "Introduction to AutoCAD Fusion 360" by SNPIT&RC, Umrakh. The speaker was Mr. Darpan Vaghasiya: CAD trainer, Khodiyar CAD Centre. This Webinar was live and is available on Youtube link: https://www.youtube.com/watch?v=AXysYIQDtdk

INTRODUCTION TO AUTOCAD FUSION 360



03RD JUNE 2020

The Department of Mechanical Engineering had organized an Expert Lecture on "Application of Mechanical Engineering in Biomechanics" by SNPIT&RC, Umrakh. The speaker was Dr. Pushpdant Jain: Associate Professor, Oriental Institute of Science & Technology, Bhopal. The Web in a rwas live and is available on Youtube link:https://www.youtube.com/watch?v=rDfwbKU-c5g



INTRODUCTION TO FRICTION STIR WELDING (FSW) AND PROCESSING



The Department of Mechanical Engineering had organized an Expert Lecture on "Introduction to Friction Stir Welding (FSW) & Processing" by SNPIT&RC, Umrakh. The speaker was Dr. Shailesh Pandya: Assistant Professor, SVNIT, Surat. The Webinar was live and is available on Youtube link: https://www.youtube.com/watch?v=HxMASuzfyiI

MANUFACTURING PROCESS AND ESPRIT CAM SOFTWARE



The Department of Mechanical Engineering had organized an Expert Lecture on "Manufacturing Process & ESPRIT CAM Software" by SNPIT&RC, Umrakh. The speaker was Mr. Mahek Mistry, Director, Sopan Group, Surat. The Webinar was live and is available on Youtube link:

https://www.youtube.com/watch?reload=9&v=w-G16bnlKt8

FACULTY ASSETS OF MECHANICAL ENGINEERING DEPARTMENT

Name	Qualification	Designation
Dr. Piyush S. Jain	Ph. D.	Professor
Prof. Vishal Z. Dhimmar	M.E.	HOD & Asst. Prof.
Dr. Chetan P. Patel	Ph. D.	Assoc Prof.
Dr. Shakil A. Kagzi	Ph. D.	Asst. Prof.
Prof. Milan A. Patel	M.E.	Asst. Prof.
Prof. Arif M. Varsi	M.Tech.	Asst. Prof.
Prof. Ripal C. Patel	M.Tech.	Asst. Prof.
Prof. Priyank P. Dave	M.E.	Asst. Prof.
Prof. Hitesh A. tailor	M.Tech.	Asst. Prof.
Prof. Hiren Tamboli	M.Tech.	Asst. Prof.
Prof. Rinkesh B. Patel	M.Tech.	Asst. Prof.
Prof. Harshal T. Shukla	M.Tech.	Asst. Prof.
Prof. Piyush B. Savaj	M.Tech.	Asst. Prof.
Prof. Chirag N Chaudhari	M.Tech.	Asst. Prof.
Prof. Hiten Mistry	M.E.	Asst. Prof.
Prof. Misal C. Gandhi	M.E.	Asst. Prof.
Prof. Nilesh Rana	M.E.	Asst. Prof.
Prof. Rikesh B. Prajapati	M.Tech.	Asst. Prof.
Prof. Vatsal B. Maisuriya	M.E.	Asst. Prof.
Prof. Deep M. Vyas	M.E.	Asst. Prof.
Prof. Divyesh S. Patel	M.E.	Asst. Prof.
Prof. Tinej J. Vaghela	M.E.	Asst. Prof.
Prof. Sankalp P. Patel	M.E.	Asst. Prof.
Prof. Krunal A. Patel	M.E.	Asst. Prof.
Prof. Krishna D. Modi	M.E.	Asst. Prof.