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(JULY 2021 TO DEC 2021)



तैजस्विना वधि तमस्तु

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

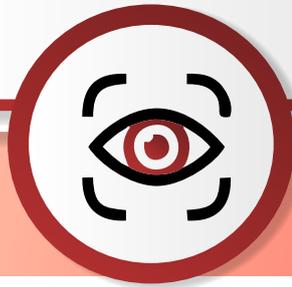
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(AICTE Approved & Affiliated with GTU)

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 socio-economic needs.



MISSION

- 1 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.
- 2 Enable students to develop skills to solve complex technological problems of current era through industry-academia interaction and mould themselves as future leaders.
- 3 To synergize the students, staff, society and industries by developing competency, employability, entrepreneurship and research skills.
- 4 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

- 1 To impart undergraduates quality technical education along with sound technical communication skill.
- 2 To provide the quality infrastructure, tools and teaching-learning environment.
- 3 To inculcate qualities of leadership, teamwork and entrepreneurship with professionalism and ethical values.
- 4 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



Dr. Arif M. Varsi
In/C, HOD

Member



Prof. Vivek B. Bhagat
Assistant Professor

Member



Prof. Rikesh B. Prajapati
Assistant Professor

Member



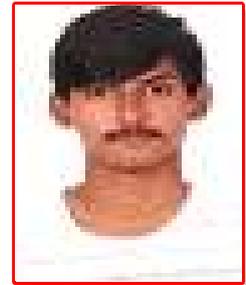
Ajay R. Baheliya
Student

Member



Fenil I. Thummar
Student

Member



Nevil J. Asamaniwala
Student

Member



Sujeet K. Rupapara
Student

Member



Twinkal B. Chaudhari
Student

MERITORIOUS STUDENTS

SUMMER 2021 GTU EXAMINATION

Semester 2

| Semester 2 | | |
|--------------|---------------------------|------|
| Enrolment No | Name | SPI |
| 200490119019 | Panchal Harsh Chetankumar | 9.85 |
| 200490119028 | Khalasi Utsav Sanjaybhai | 9.25 |
| 200490119004 | Mathukiya Pratik Kailash | 9.2 |
| 200490119011 | Parmar Dhaval Kantibhai | 9.05 |
| 200490119001 | Shreyas M Chaudhari | 9 |

Semester 4

| Enrolment No | Name | SPI |
|--------------|--------------------------|------|
| 200490119518 | Vyas Parth Jitendra | 9.13 |
| 200490119554 | Majithiya Mit Pratapbhai | 8.78 |
| 190490119032 | Patel Dharmin Vinaykumar | 8.39 |
| 200490119511 | Suraj Prasad | 8.35 |
| 190490119040 | Patel Krunal Gokulbhai | 8.17 |

Semester 4

Semester 6

| Semester 6 | | |
|--------------|---------------------------|------|
| Enrolment No | Name | SPI |
| 180490119046 | Thummar Fenil Ishwarbhai | 10 |
| 180490119043 | Sharma Sonu Ramkumar | 9.83 |
| 180490119040 | Saiyad Sufiyan Md ibrahim | 9.52 |
| 180490119037 | Prajapati Ravi Bharatbhai | 9.52 |
| 190493119061 | Tank Viraj Harsukhbhai | 9.48 |

Semester 8

| Enrolment No | Name | SPI |
|--------------|-----------------------------|-----|
| 170490119035 | Khairnar Prakash Gyaneshvar | 10 |
| 170490119023 | Gamit Jaymeet Jitendrabhai | 10 |
| 180493119001 | Amrutkar Sandip Vijaybhai | 10 |
| 170490119047 | Patel Divyesh Dhansukhbhai | 9.8 |
| 170490119066 | Rana Valay Mukeshbhai | 9.8 |

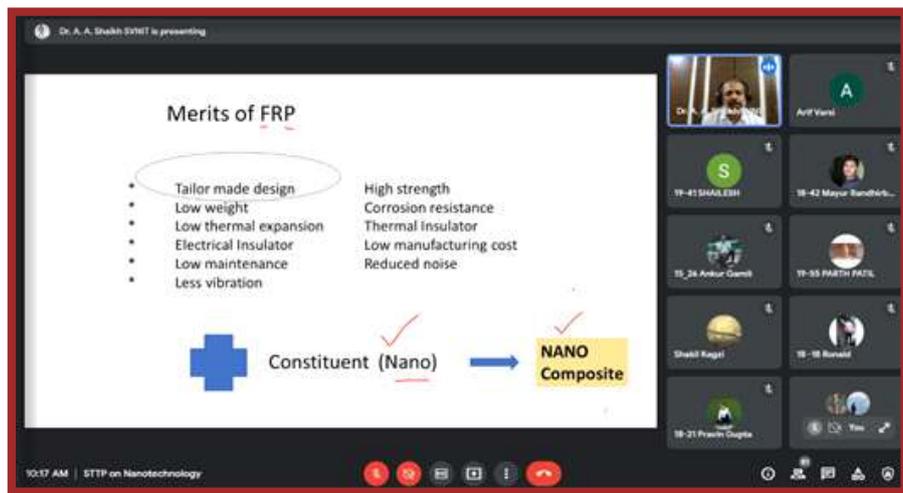
Semester 8

Activities

GUJCOST SPONSORED ONLINE SHORT TERM TRAINING PROGRAM

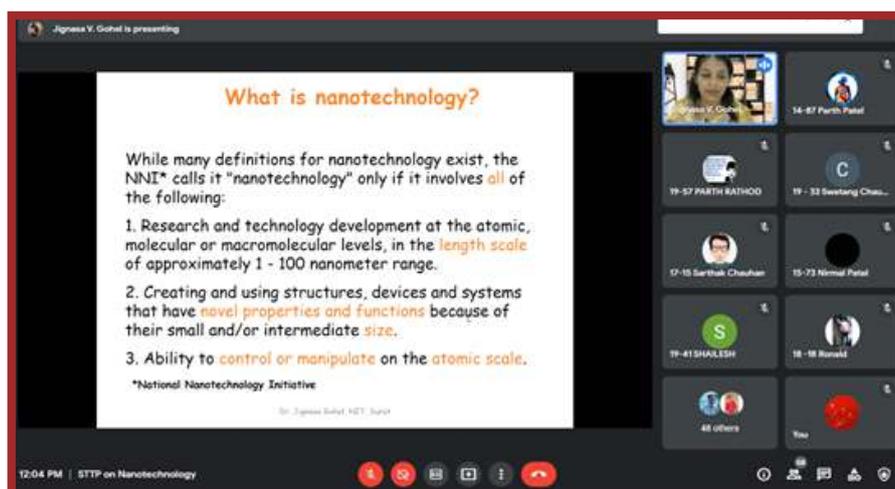
NANOTECHNOLOGY: MATERIALS, CHARACTERIZATION, SYNTHESIS AND APPLICATIONS

06TH TO 10TH SEP 2021



Mechanical Engineering Department of S. N. Patel Institute of Technology and Research Center (SNPITRC), Umrah, organized a five days online Short term training program entitled as “Nano-Technology: Materials, Synthesis, Characterization and application”. This training program is under the motivation to impart some part pertaining to the syllabus on subject of Nanotechnology and Surface engineering as well as much more beyond than usual syllabus in terms of case studies and applications.

The coordinators of this STTP were Dr. Arif Varsi, Dr. Shakil Kagzi and Prof. Vishal Dhimmarr. The grant received from GUJCOST was Rs. 30,000/-.



Activities

EXPERT LECTURE

OPERATION RESEARCH

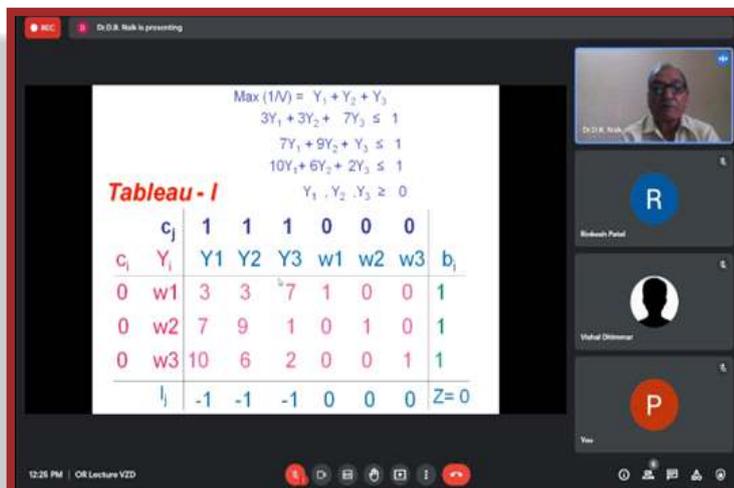
06TH OCT 2021

Mechanical engineering department has organized an expert lecture (online) on “Operation Research” for the final year students to cope up with the subject specially with the topics of Game Theory. The speaker for the lecture was Dr. D. B. Naik Ex. Professor & Head,

Training & Placement Section, Sardar Vallabhbhai National Institute of Technology, Surat.

This webinar was organized to develop the knowledge of Industrial Engineering among the students. After that, the lecture was followed by the Kavyapathan, "Meghdhanushna Rang, Kavya Ane Geet Ne Sang". The entire program was being conducted under the guidance of

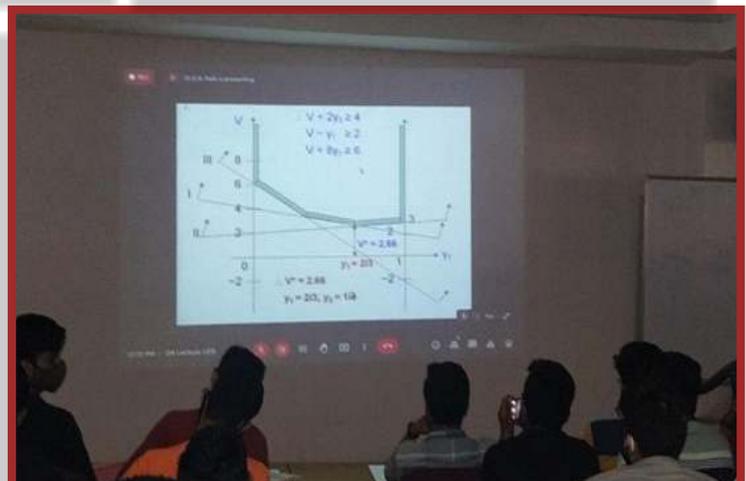
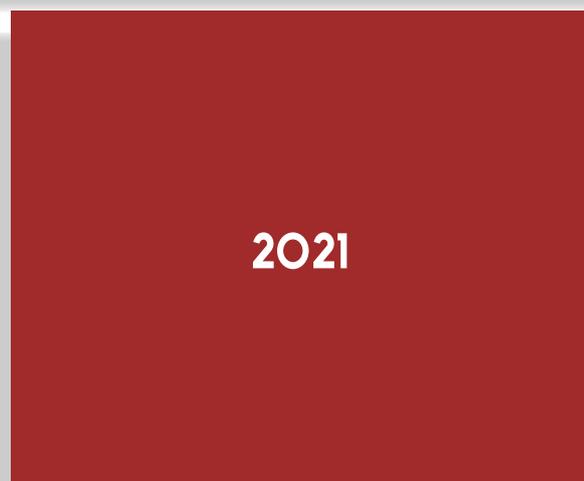
Dr. Piyush S. Jain, Principal, S.N.P.I.T & RC, Umrahk.



Max (1A) = $Y_1 + Y_2 + Y_3$
 $3Y_1 + 3Y_2 + 7Y_3 \leq 1$
 $7Y_1 + 9Y_2 + Y_3 \leq 1$
 $10Y_1 + 6Y_2 + 2Y_3 \leq 1$
 $Y_1, Y_2, Y_3 \geq 0$

Tableau - I

| c_j | | 1 | 1 | 1 | 0 | 0 | 0 | |
|-------|------------|----|----|----|----|----|----|-------|
| c_j | Y_j | Y1 | Y2 | Y3 | w1 | w2 | w3 | b_i |
| 0 | w1 | 3 | 3 | 7 | 1 | 0 | 0 | 1 |
| 0 | w2 | 7 | 9 | 1 | 0 | 1 | 0 | 1 |
| 0 | w3 | 10 | 6 | 2 | 0 | 0 | 1 | 1 |
| | Δ_j | -1 | -1 | -1 | 0 | 0 | 0 | Z=0 |

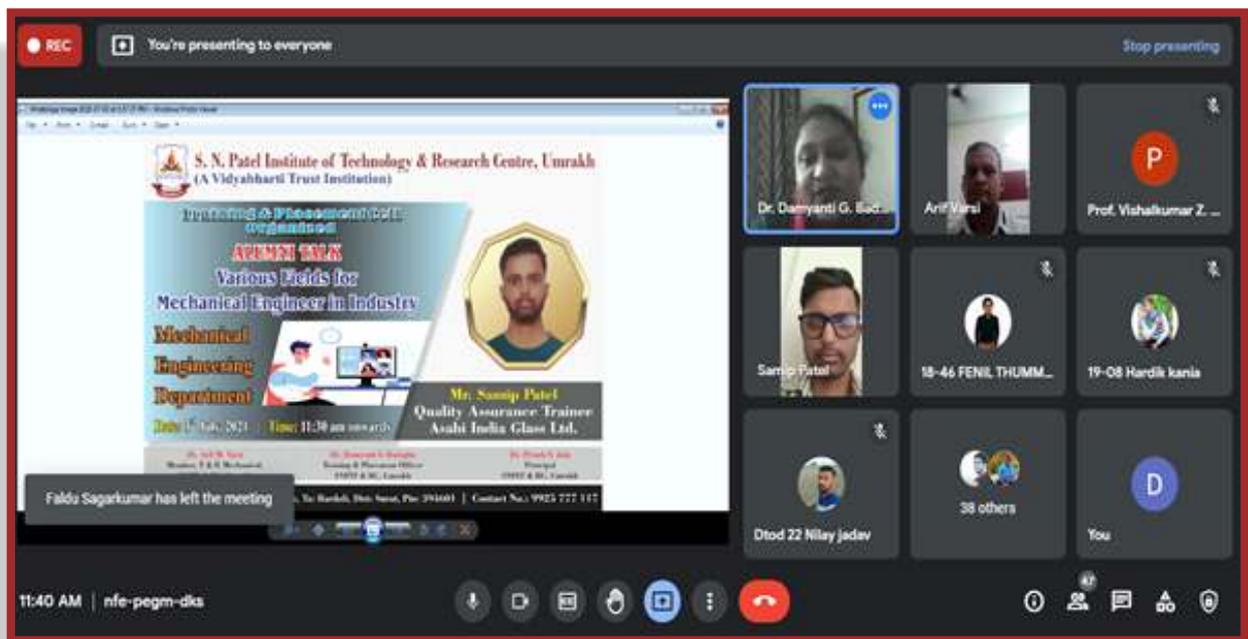


Activities

ALUMNI TALK

VARIOUS FIELD FOR MECHANICAL ENGINEER IN INDUSTRY

3RD JULY 2021



Training & Placement cell along with Mechanical Engineering Department of S. N. Patel Institute of Technology & Research Centre, Umrakh has organized Webinar on “Various Fields for Mechanical Engineer in Industry” on 3rd July 2021 from 11:30 AM to 12:30 PM. In this webinar around 45+ participants were live through Google Meet.

The speaker for the webinar was. Mr. Samip Patel, Quality Control Trainee, Asahi India Glass Ltd.

Mr. Samip Patel is a Mechanical Engineer from SNPITRC, Umrakh.

PLACEMENTS AND HIGHER STUDIES

JULY 2021 TO DEC 2021



**JAYMINKUMAR JAYESHBHAI BILIMORIYA
SECURED ADMISSION IN MASTER PROGRAM OF
WESTCLIFF UNIVERSITY, USA IN JULY 2021**



**CHIRAG SHYAMLAL SAHU
HAS SECURED ADMISSION IN NIT SURATHKAL
FOR COMPUTATIONAL
AND DATA SCIENCE PROGRAM.**

FACULTY ASSETS OF MECHANICAL ENGINEERING DEPARTMENT

| Name | Qualification | Designation |
|-----------------------------|---------------|-------------------|
| Dr. Piyush S. Jain | Ph.D. | Professor |
| Dr. Arif M. Varsi | Ph.D. | HOD & Asst. Prof. |
| Dr. Chetan P. Patel | Ph.D. | Assoc Prof. |
| Dr. Shakil A. Kagzi | Ph.D. | Assoc Prof. |
| Prof. Vishal Z. Dhimmarr | M.E. | Asst. Prof. |
| Prof. Priyank Dave | Ph.D.(Purs.) | Asst. Prof. |
| Prof. Milan R. Patel | M.E. | Asst. Prof. |
| Prof. Hitesh A. Tailor | M.E. | Asst. Prof. |
| Prof. Hiren B. Tamboli | M.Tech. | Asst. Prof. |
| Prof. Rinkesh B. Patel | M.Tech. | Asst. Prof. |
| Prof. Nilesh V. Rana | M.E. | Asst. Prof. |
| Prof. Rikesh B. Prajapati | M.Tech. | Asst. Prof. |
| Prof. Mayank B. Parmar | M.E. | Asst. Prof. |
| Prof. Vivek B. Bhagat | M.Tech. | Asst. Prof. |
| Dr. Nirav M. Patel | Ph.D. | Asst. Prof. |
| Prof. Pragnan M. Lad | M.Tech. | Asst. Prof. |
| Prof. Lajesh K. Mahyavanshi | M.E. | Asst. Prof. |
| Prof. Deep M. Vyas | M.E. | Asst. Prof. |
| Prof. Divyesh S. Patel | M.E. | Asst. Prof. |
| Prof. Krunal A. Patel | M.E. | Asst. Prof. |
| Prof. Krishna D. Modi | M.E. | Asst. Prof. |
| Prof. Chetan S. Patil | M.E. | Asst. Prof. |
| Prof. Tapan R. Chaudhari | M.E. | Asst. Prof. |
| Prof. Yash A. khengar | M.E. | Asst. Prof. |
| Prof. Ravi R. Patel | M.E. | Asst. Prof. |
| Prof. Nihar M. Pavagadhi | M.E. | Asst. Prof. |
| Prof. Tinej J. Vaghela | M.E. | Asst. Prof. |