

VOL. 1 ISSUE. 1  
**2019**  
(JAN 2019 TO JUN 2019)



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

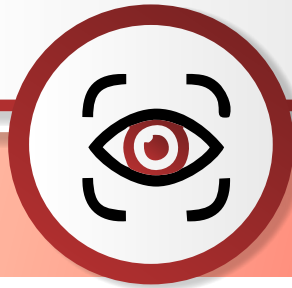
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(AICTE Approved & Affiliated with GTU)

**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



**Prof. Vishalkumar Z. Dhimmar**

In/C, HOD

## Member



**Dr. Arif M. Varsi**

Assistant Professor

## Member



**Prof. Rikesh B. Prajapati**

Assistant Professor

## Member



**Yash H. Khatri**

Student

## Member



**Tarkik U. Chaudhari**

Student

## Member



**Neel J. Joshi**

Student

## Member



**Sanket S. Salvi**

Student

## Member



**Bhavik G. Vartak**

Student

# MERITORIOUS STUDENTS

## WINTER 2018 GTU EXAMINATION

### Semester 1

Semester 1		
Enrolment No	Name	SPI
180490119040	Saiyad Sufiyan Mo.Ibrahim	8.05
180490119042	Salve Mayur Randhirbhai	7.62
180490119037	Prajapati Ravi Bharatbhai	7.57
180490119003	Baheliya Ajay Radheshyam	7.38
180490119035	Pawar Aniket Kantilal	7.33

### Semester 3

Enrolment No	Name	SPI
170490119065	Rana Karan Kanchanbhai	8.30
170490119047	Patel Divyesh Dhansukhbhai	8.24
180493119001	Amrutkar Sandip Vijaybhai	7.91
170490119080	Sonvane Hitesh Sunilbhai	7.67
170490119049	Patel Harsh Sureshbhai	7.61

### Semester 3

### Semester 5

Semester 5		
Enrolment No	Name	SPI
160490119040	Panchal Harsh Alkeshbhai	9.52
160490119026	Javiya Vatsal Babubhai	8.87
170493119017	Dave Meet Tusharbhai	8.71
160490119002	Abhishek Agarwal	8.42
160490119065	Sureja Harsh Mahendrabhai	8.35

### Semester 7

Enrolment No	Name	SPI
150490119023	Doshi Anant Nitinkumar	8.80
150490119038	Mahida Khushbu Ganpatsinh	8.47
150490119009	Brahmbhatt Dharma Hiren	8.47
150490119074	Patel Parth Jitendrakumar	8.43
150490119113	Tailor Nikunj Hasmukhbhai	8.33

### Semester 7

# Activities

## EXPERT LECTURE

### BASICS OF AUTOCAD AND ADVANCE MODELLING TOOL - AUTODESK FUSION 360

7<sup>TH</sup> JAN, 2019



The Department of Mechanical Engineering had organized an Expert Lecture on “Basic of AutoCAD and Advance Modelling Tool - Autodesk Fusion 360” as subject Computer Aided Design and Machine Design & Industrial Drafting on 07/01/2019 at SNPIT&RC, Umrahk.

The speaker was **Mr. Rahul Sharma**, Branch Manager and **Mr. Viral Patel**, CAD Trainer at Sai CAD Centre, Navsari.

## INDUSTRIAL VISIT

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

8<sup>TH</sup> JAN, 2019



Mechanical department had arranged one-day visit of Surat District Co-operative Milk Producers' Union Ltd, Surat on 8th January 2019 for 3rd year students as a part of Refrigeration and air conditioning (RAC) Subject.

The visit was conducted by Prof. Anil J. Patel, Prof. Milan R. Patel and Mr. Hardip Patel where total 92 students have benefitted from this visit.

# Activities

# INDUSTRIAL VISIT

18<sup>TH</sup> JAN, 2019



**JAY METAL TECH  
SURAT**

Mechanical Engineering Department of S.N.P.I.T. & R.C., Umrakh arranged an industrial visit to Jay Metal Tech Surat, with 130 students of 2nd year Mechanical Engineering. The purpose of the visit was to enhance industrial exposure of the students, get practical knowledge of manufacturing procedure of various products made by casting processes and related with other advanced machineries.

The team of two faculty coordinators Dr. Shakil Kagzi & Mr. Hiten Mistry and with them one lab assistant Mr. Jignesh Soni took part in prestigious industrial visit.

28<sup>TH</sup> JAN, 2019

**ENGINEERING TECHNIQUE  
VADODARA**



Mechanical Engineering Department of S.N.P.I.T. & R.C., Umrakh arranged an industrial visit to “ENGINEERING TECHNIQUE”, Vadodara, with 108 students of 3rd year Mechanical Engineering alongwith 4 faculties. The purpose of the visit was to enhance industrial exposure of the students, get practical knowledge of additive manufacturing procedure of various products made by rapid prototyping and related other advanced machineries.

# Activities

## SEMINAR

### ADDITIVE MANUFACTURING FOR INNOVATIVE DESIGN AND PRODUCTION

**25<sup>TH</sup> FEB  
2019**

**CO-ORDINATOR:  
PROF. VISHAL DHIMMAR, PROF. ARIF VARSI**



The Department of Mechanical Engineering had organized one day seminar on “ADDITIVE MANUFACTURING FOR INNOVATIVE DESIGN AND PRODUCTION” sponsored by Gujarat Council on Science & Technology (GUJCOST), Department of Science and Technology (DST), Govt. of Gujarat at SNPIT&RC, Umrakh. The OBJECTIVES OF SEMINAR were to Explore additive Manufacturing and to describe the fundamentals of rapid prototyping, various processes related to rapid prototyping, applications and implications. A grant of Rs. 40,000/- was received from GUJCOST.

## WORKSHOP

### ROLE OF AUTOMATION IN MANUFACTURING VERTICAL MACHINING CENTRE



**25<sup>TH</sup> TO 30<sup>TH</sup> MARCH  
2019**

**CO-ORDINATOR:  
PROF. RIPAL PATEL, PROF. MILAN PATEL**

The Department of Mechanical Engineering had organized six days workshop on “ROLE OF AUTOMATION IN MANUFACTURING: VERTICAL MACHINING CENTRE” sponsored by Gujarat Council on Science & Technology (GUJCOST), Department of Science and Technology (DST), Govt. of Gujarat at SNPIT&RC, Umrakh. The Objectives of workshop were to Explore Computer Aided Manufacturing and to describe the fundamentals of CNC Part Programming, various processes related to Automation, applications and implications A grant of Rs. 40,000/- was received from GUJCOST.

# Activities

## WORKSHOP

### APPLICATION OF NATURAL FIBRE REINFORCED COMPOSITES IN SMALL AND MEDIUM SECTOR



**17<sup>TH</sup> TO 22<sup>ND</sup> JUNE  
2019**

**CO-ORDINATOR:  
DR. PIYUSH JAIN, PROF. ARIF VARSI**

•The Department of Mechanical Engineering had organized six days workshop on “APPLICATION OF NATURAL FIBRE REINFORCED COMPOSITES IN SMALL AND MEDIUM SECTOR” sponsored by Gujarat Council on Science & Technology (GUJCOST), Department of Science and Technology (DST), Govt. of Gujarat at SNPIT&RC, Umrah. The Objectives of workshop were to expose the concepts of composite materials and their applications and to learn various fabrication, testing and characterization techniques of composites. A grant of Rs. 50,000/- was received from GUJCOST.

## EXPERT LECTURE ASSIGNMENT MODEL

**27<sup>TH</sup> JUNE  
2019**



The Department of Mechanical Engineering had organized an Expert Lecture on “Assignment Model” for the subject of Operation Research for the final year students at SNPIT&RC, Umrah.

The speaker was Dr. D. B. Naik, Retd. Professor and Ex. Training and Placement Officer from SVNIT, Surat.



# PLACEMENTS

(JANUARY 2019 TO JUNE 2019)

PEN ID	NAME	COMPANY
140490119105	RAJPUT PINTU	 Asahi India Glass Ltd.
140490119067	PANDE DIPAK	 Asahi India Glass Ltd.
170493119059	SAMIP PATEL	 Asahi India Glass Ltd.
170493119043	PAREKH UTSAV	 Asahi India Glass Ltd.
170493119063	RATHOD SHRUTIK	 Asahi India Glass Ltd.
150490119051	SITANSHU PANDYA	 Ramana Safety And Systems (I) Pvt. Ltd.
150490119121	ATIF VYARAWALA	 Ramana Safety And Systems (I) Pvt. Ltd.
150490119069	MEHUL PATEL	 Ramana Safety And Systems (I) Pvt. Ltd.
150490119092	HIREN PRAJAPATI	 Ramana Safety And Systems (I) Pvt. Ltd.
150490119112	MINESH TAILOR	 Ramana Safety And Systems (I) Pvt. Ltd.
150490119113	NIKUNJ H. TAILOR	 Ramana Safety And Systems (I) Pvt. Ltd.
150490119002	SAGAR R. AJUDIYA	 jio

# FACULTY ASSETS OF MECHANICAL ENGINEERING DEPARTMENT

Name	Qualification	Designation
Dr. Piyush S. Jain	Ph. D.	Professor
Prof. Vishal Z. Dhimmarr	M.E.	HOD & Asst. 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.

# Activities

## Mega Job Fair 2019

19/02/2019



Vidyabharti Trust & Assistant Director (Employment) Office/ Model Career Center, Surat joined hands to provide a common platform where industries and job seekers can meet each other's requirements. The event was provided logo support by The Southern Gujarat Chamber of Commerce & Industry – SGCCI and Science Engineering and Technological Upliftment – SETU. This Mega Job Fair was hosted by Shri Sitarambhai Naranji Patel Institute of Technology and Research Centre, Umrah (A Vidyabharti Trust Institution).

### OUTCOME:

The list of the companies who participated in the Job Fair along with the count of shortlisted candidates on the same day is listed below.

- |  |                                     |  |
|--|-------------------------------------|--|
| ✦ Company Name                                   | ✦ Divyam Institute of Psychiatry    | ✦ Nirav Algiya (JETSON)                    |
| ✦ Pulse Industries                               | ✦ Codesoft Infotech                 | ✦ R S Automation                           |
| ✦ IFB Industries Ltd                             | ✦ Gruham Developers                 | ✦ IPCalculus                               |
| ✦ Reliance Jio, Surat                            | ✦ D&K Group                         | ✦ Reliance (Finance)                       |
| ✦ Reliance SMSL                                  | ✦ La Net Team Solutions Pvt Ltd     | ✦ MCC Projects                             |
| ✦ Qess Corp Ltd (Jio Digital)                    | ✦ Patson Group                      | ✦ Brisk Technologies                       |
| ✦ Techradix Technologies                         | ✦ Navinchandra Securities Pvt Ltd   | ✦ LG India Pvt Ltd                         |
| ✦ Coruscate Solutions Pvt Ltd                    | ✦ Caryon Solution                   | ✦ Black Whale Unit of Friscone Group, Pune |
| ✦ S a h a j a n a n d M e d i c a l Technologies | ✦ Axelor Technologies India Pvt Ltd | ✦ Zespire Technologies                     |
| ✦ Xcellence IT                                   | ✦ Avinashi Ventures Pvt Ltd         | ✦ Purphase Electronics                     |
| ✦ Prism IT Systems                               | ✦ Inspire HR Consultancy Surat      | ✦ Shree Durga Syntex Pvt Ltd               |
| ✦ SSM infotech Solutions Pvt Ltd                 | ✦ Unistar Softtech Pvt Ltd          | ✦ DRP Constructions                        |
| ✦ Carthero Technology Pvt Ltd                    | ✦ Artoon Solutions                  | ✦ Velox Automation                         |
| ✦ CoderCube Technologies                         | ✦ IT Futurz                         | ✦ Toshali Infotech                         |
| ✦ Greencom Ebizzinfotech                         | ✦ Diasis Ltd                        |  |

Total of 62 different companies shortlisted/ selected students of SNPIT& RC, Umrah from all Engineering departments.

Department	Students
Computer Engineering	18
Mechanical Engineering	16
Electrical Engineering	14

Department	Students
Civil Engineering	9
Electronics & Communication Engg.	4
Chemical Engineering	1

# Activities

# Technokruti 2019



- The 4<sup>th</sup>-Edition of trade mark event of S. N. Patel Institute of Technology & Research Centre, a technical festival for young technocrats, “TECHNOKRUTI 2k19” was organized at the institute on 21<sup>st</sup> & 22<sup>nd</sup> February, 2019.
- TECHNOKRUTI is a convoy of events related to engineering which gave an opportunity to the students for expanding their technical skill and apply the knowledge gained from books so far. This unique feature of inviting future engineers from the various institutes and showcasing their ideas was admired all over. The Techfest was successful enough to attract around 1150 registration teams in about 60 events under 7 categories for two days of technical festival.
- During the two days’ technical festival, young minds with innovative thoughts showcased their skills and talents. The TECHNOKRUTI executed 60 events organized in the best way where the various departments organized different technical and non-technical events under the banner AADHAR (Civil), YANTRA (Mechanical), VIJ VEER (Electrical), RASAYAN (Chemical), BIT ULTRONS (Computer Science), TECHNOTRONIX (Electronics & Communication) and SPECIALATTRACTION.
- TECHNOKRUTI strived to bring out the excellence in students so that they can compete and evaluate their talents and nurture interaction among the diverse groups of contestants.
- The technical festival “TECHNOKRUTI 2k19” was inaugurated on 21<sup>st</sup> February, 2019. After inaugural the Techfest was unleashed. On the same occasion a HANDS-ON-WORKSHOP on ROCKET MAKING was organized by the Mechanical Department where more than 200 student of South Gujarat Engineering College had participated and made the rocket from the kit provided to them after training session, and about 24 such rockets were launched on the same day. Apart from workshop, ROBO-MANIA, MASTERCHEF, TREASURE-HUNT, BOX cricket, Tech-Snake-Ladder, etc. were the centre of attraction for these two days. The winners of all the events were encouraged with cash prize and certificates



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