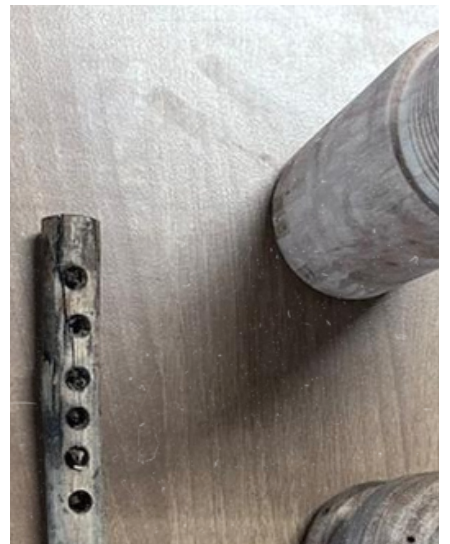
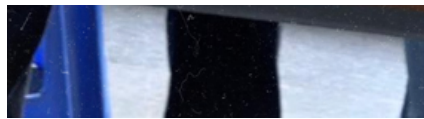
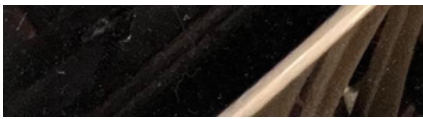


# TECH VRUTAM



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A close-up photograph of a graduation cap (mortarboard) with a black tassel, resting on a stack of several books. The scene is lit with warm, golden light, creating a soft glow and long shadows. The background is blurred, showing more books and a desk. The text 'Events of Academic Excellence' is overlaid in a white, serif font on a semi-transparent dark rectangular background.

# Events of Academic Excellence

## ***Basics of Safety Management***

School of Engineering, Chemical Engineering Department conducted an expert session on the topic "**Basics of Safety Management**" on August 04, 2023 during 10:30 am to 11:30 am. Session was delivered by eminent experts Ms. Alka Kale, 5S & Safety Faculty, QCFI Ankleshwar. Mr. Jigesh Mehta & Mr. Vishal Shah, were the moderator under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.



## ***Introduction on ISO & its Clause- 9001 and 1400***

P P Savani University, School of Engineering & Institute of Diploma Studies has organized Expert Session on the topic "**Introduction on ISO & its Clause- 9001 and 1400**" by eminent expert Mr. Ritesh G Upadhyay on August 25, 2023 from 10:30 am to 11:30 am. Total 80 students benefitted and got insight into various clauses like environment, safety, and hygiene. The event was organized under the banner of IICHe Student PPSU under the mentorship of IICHe ARC (Ankleshwar Regional Center).



## *Advanced Machine Learning Algorithms & Its Applications in Various Fields*

School of Engineering, Computer Science Engineering Department conducted an expert session on the topic “**Advanced Machine Learning Algorithms & Its Applications in Various Fields**” on July 10, 2023 during 10:00 am to 11:30 am. Session was delivered by eminent experts Dr. Amit Reza, Academy Scientist in Space Research Institute, Austria. Moderators were Kaushal Singh, Sneha Saini, Khushbu Chauhan and Barkha Makwana under the mentorship of Niraj Shah, Dean of SOE.

## *Road Safety Audit*

Department of Civil Engineering School of Engineering at P P Savani University has organized an expert session on “**Road Safety Audit**” conducted on July 25, 2023 from 1:30 pm to 3:30 pm. It was delivered by an eminent expert under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University. The coordinators were Subhrata Biswal and Isha Patel.

**PPSU**  
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CIVIL ENGINEERING DEPARTMENT

SOE WEBINAR →

School of Engineering

ONLINE EXPERT SESSION ON  
**ROAD SAFETY AUDIT**

25th July, 2023  
1.30 PM to 3.30 PM

ZOOM Meeting ID: 841 6235 6195  
Passcode: 0W24Kh

**EXPERT**

  
**Prof. Rena Shukla**  
Associate Professor,  
L D College of Engineering

**CHIEF PATRON**

  
**Dr. Parag Sanghani**  
Provost, PPSU

**PATRON**

  
**Dr. Niraj Shah**  
Dean, SoE, PPSU

**COORDINATORS**

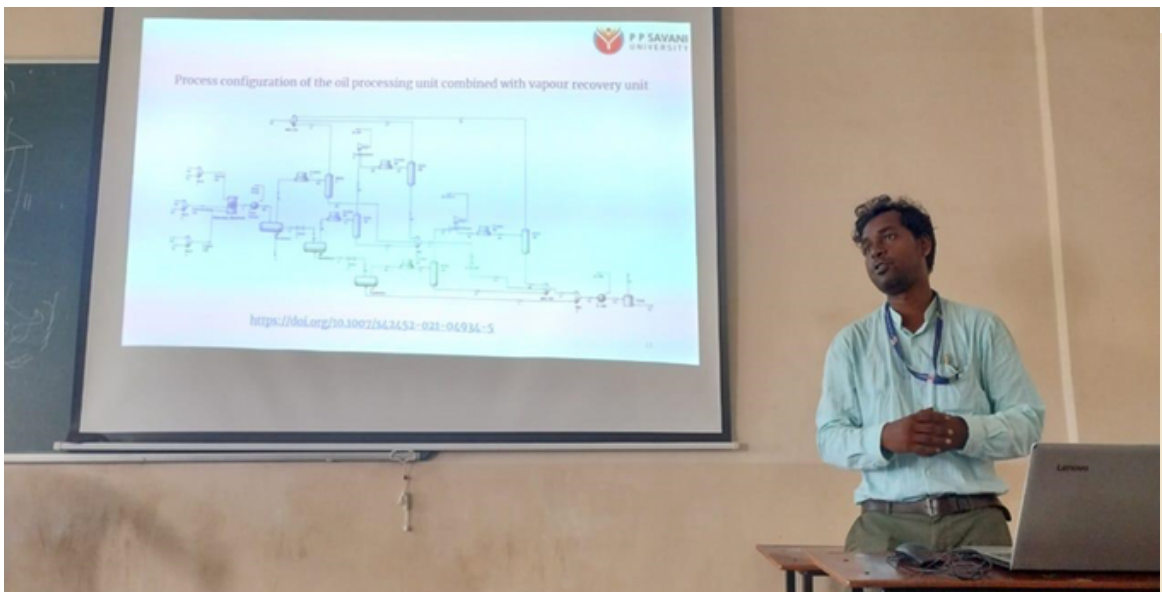
  
**Ms. Subhrata Biswal**  
Teaching Assistant

  
**Ms. Isha Patel**  
Assistant Professor

For more info call: **6359247720**

## *Aspen Plus*

Dr. Balraj Krishnan Tudu, Asst. Professor, Department of Chemical Engineering delivered an expert talk on "**Aspen Plus**" on September 29, 2023 at the R.N.G. Patel Institute of Technology. The event provided a platform to share insights and expertise on this vital software tool used extensively in the field of chemical engineering and process simulation.



## *Expert talk on DBMS-PL/SQL*

Computer Engineering Department, School of Engineering, P P Savani University organized an **expert talk on DBMS-PL/SQL** under the mentorship of Dr. Niraj Shah, Dean of SOE. This was delivered by Ms. Keshali Pathak, System Analyst, CSG International (Bangalore) on September 12, 2023. Moderator was Ms. Maulika Patel, Assistant Professor, Computer Engineering Department.

## *P and ID*

Dr. Deepak Kohli Assistant Professor, Chemical Engi. Department, School of Engi., P P Savani University has delivered the Expert Talk for B.tech chemical 5th semester students on the Topic" P and ID" on September 29, 2023 from 10.30 am to 12.30 pm at RNG Patel Institute of Technology, Bardoli



Mr.Rakesh Kumar, Assistant Professor, School of Engineering delivered an Expert lecture on "Vibration Criteria For Metro Rail Transit System (MRTS)" at CSIR-CSIR- National Physical Laboratory, Delhi on August 23, 2023.

## *Self Defense workshop*

School of Engineering , Women Development Cell organized a "Self Defense workshop" on July 22,2023 .Event Coordinators were Ms. Maulika Patel, Ms. Khushbu Chauhan and Dr. Tanvi Bhavsar. This event was addressed by Mr. O.P. Singh, Chairman & Managing Director,S S Boss Security.



## ***Mother of Democracy G20***

School of Engineering organized Panch Pakalp, Mother of Democracy on August 07, 2023. Dr. Niraj Shah, Dean of School of Engineering delivered a talk on this moment. This was coordinated by Mr. Rohit Awasthi, Assistant Professor, Computer Engineering.







# ICAIEE

# 2023

# ICAIE - 2023

School of Engineering organized an International Conference on Academics & Industrial Innovations in Engineering (ICAIE-2023) on August 12 & 13, 2023. This conference brought multidisciplinary work on a single platform by integrating the enhanced technologies of various fields. The conference encouraged the participants to contribute their work in the domains of chemical, civil, mechanical, information technology and computer science.





A hand is shown at the bottom right, holding a large bunch of colorful balloons and streamers. The balloons are in various colors including blue, yellow, green, red, and orange. The streamers are long, thin ribbons in white, yellow, red, and blue. The background is a soft, out-of-focus mix of these colors. The text 'Engineer's Day Celebration' is overlaid on a semi-transparent white rectangular box in the center of the image.

# **Engineer's Day Celebration**

# *Engineer's Day Celebration*

On the occasion of Engineer's Day, School of Engineering organized various Technical and Non-technical Events on 15th of September 2023.

**PPSU**  
P P SAVANI UNIVERSITY  
UGC APPROVED

School of Engineering    Institute of Computer Science & Application    Institute of Diploma Studies

**INVITATION**

WE THE TEAM,  
SCHOOL OF ENGINEERING,  
INSTITUTE OF DIPLOMA STUDIES,  
INSTITUTE OF COMPUTER SCIENCE & APPLICATION  
CORDIALLY INVITES YOU  
FOR THE INAUGURAL CEREMONY OF

**ENGINEER'S DAY  
CELEBRATION**

SEPTEMBER 15, 2023  
09:30 AM ONWARDS  
VENUE : B BUILDING

1  
2

*Glimpses of the event*



**October 2023**

# *Technical & Non Technical Events Snaps*





# **‘Industry - Academia’ Meet**



## ***Industry-Academia Meet***

School of engineering, P P SAVANI University had arranged one day industrial visit for CE & IT Engineering students. Students had visited Casepoint, Surat on August 23, 2023 where they got idea about how Software Company works and about Scrum Meeting, Project Consultation etc.





## Industrial visit to Barkhadevi Plant

School of engineering, P P SAVANI University Faculties and students of Mechanical Engineering Department visited on July 8, 2023 Barkhadevi Plant along with mentors of iSHARE Chapter, Surat. Mentors of iSHARE helped students to understand HVAC system and Pneumatic drives. Students got very excellent knowledge about the working methods of HVAC unit and their importance and market needs in almost every field. Students understood the working principle of HVAC unit and identifies the components practically.





# Faculty Achievement

# 19

## ***Faculty Participation***

**Mrs. Meenakshi Kashyap** attended :

- 5 days FDP on “Industry 4.0 and Internet of Things (IoT) Applications” conducted by National Institute of Technical Teachers Training & Research, Chennai from July 17, 2023 to 21 July 2023.
- 5 days FDP on “Applications in Power Electronics Engineering” conducted by National Institute of Technical Teachers Training & Research, Chennai from July 10, 2023, to 14 July 2023

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**Ms. Tasneem Kagzi** participated in one week of FDP on “Cloud Infrastructure (AWS)” conducted by JNTUK University College of Engineering Narasaraopet, Andhra Pradesh from August 21, 2023, to 25 August, 2023.

---

**Mr. Kaushal Singh** participated in a 6-Day online FDP from June 19,2023 to June 24 , 2023 on the topic “Machine learning -In practice” conducted by Lakireddy Bali Reddy College of Engineering, Department of Information Technology.

## *Faculty Achievement*

**Mr. Kaushal Singh, Mr. Jigesh Mehta, Ms. Barkha Wadhvani, Mr. Aakash Gupta, Ms. Twisha Patel, Ms. Bhavisha Shah, Ms. Sneha Saini**, Assistant Professor, Computer Engineering Department, worked on **"Virtual Reality Headset"** got grant as a design patent by the Patent office of a UK Design.

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**Dr. Balraj Krishnan Tudu, Dr. Deepak Kohli, Dr. Deepak Singh Panwar, Mr. Jigesh Mehta, Ms. Jigna Patel** Chemical Engineering Department, School of Engineering at P P Savani University got the patent grant title **"Biogas reactor for methane production"** from the IPR Office, India.

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**Mr. Vishal U Shah and Mr. Jigesh Mehta**, Assistant Professor in Chemical Engineering Department, School of Engineering, P P Savani University got the best student chapters award for 1st Runner-up Award was given by Mr. Joy Shah Main coordinator of all Student Chapter July 31, 2023.

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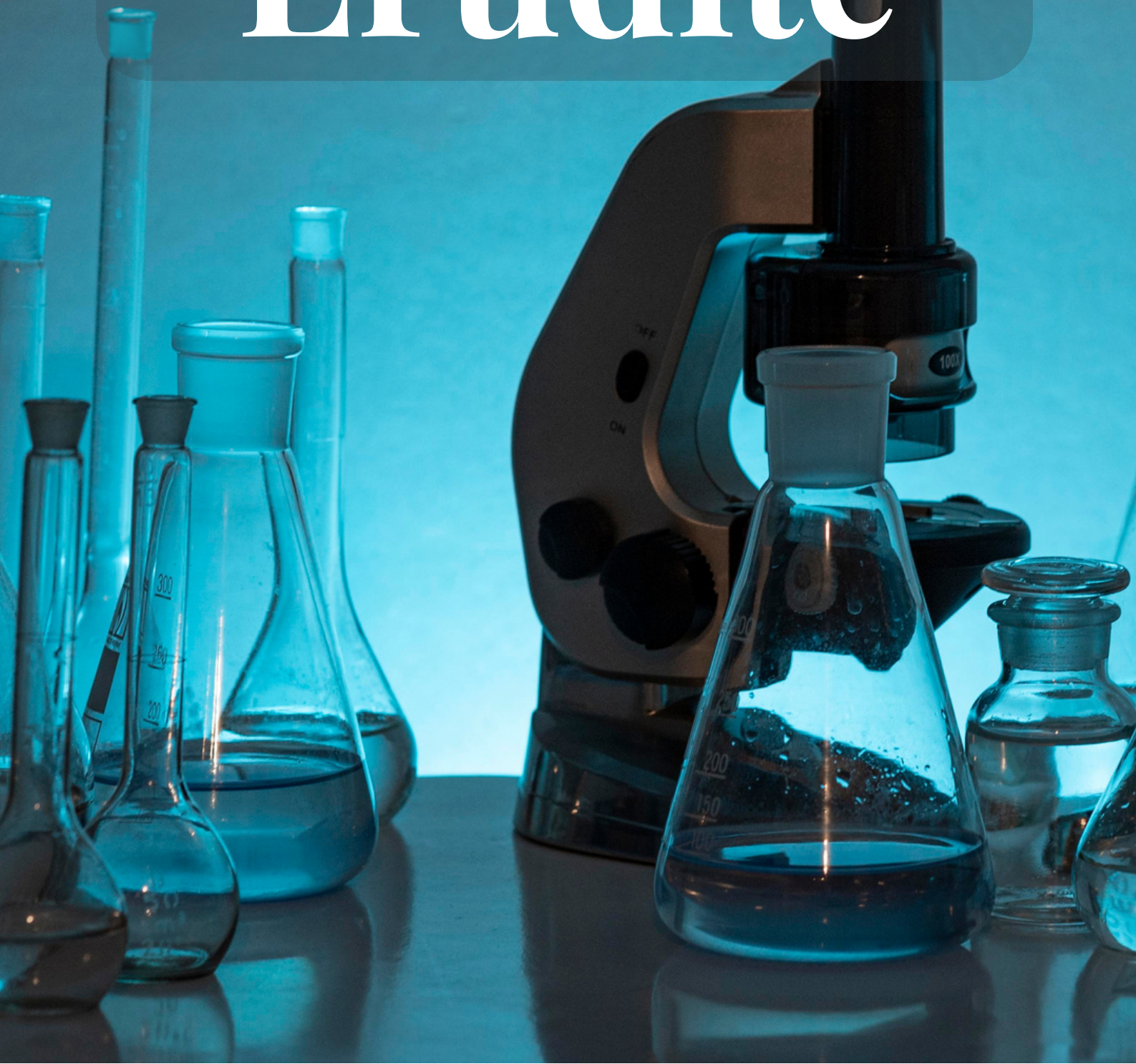
**Mr. Abhijit Parmar** presented a research paper titled **IoT-Enabled Smart Cold Storage System through Integration of ML and Cloud: An Approach** with paper id ICAIIE0076 in ICAIIE-2023 on 12-13 August 2023 hosted at PPSU. For the same he has received Best Paper Presenter award.

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**Mr. Rakesh Kumar** got patent granted on

- **"Excavation site surveillance robot"**, (Patent Design. No.- 384442-001).
- Machine Vision and Ensemble Machine Learning based Driver Drowsiness Identification and Alert System.
- **IoT and cloud based Drone Technology** for Sustainable Agriculture to monitor soil analysis for field planning, crop monitoring, irrigation management, crop health assessment, livestock monitoring, and disaster management, transporting goods using Machine Learning Algorithms.

# Research Erudite



## *Research Erudite*

**Dr. Vinit Gupta, Y. Joshi et al.**, manuscript was published on:

- Flow boiling heat transfer and thermophysical characteristics of graphene-POE-R134 a based nano refrigerant in Materials Today Proceedings.
- Synthesis and performance investigation of novel graphene nanoplatelets-based nanosuspension in PAG and MO refrigeration lubricants in Materials Today Proceedings.

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**Dr. Vinit Gupta** has presented a research paper title “**Modelling and Study of Dynamics and Control of a Two Link Serial Manipulator**” on 1st September, 2023 in online mode at International Conference of Mechanical Engineering (INCOME-2023) at NSUT Delhi.

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**Mr. Ravi Dhandhukiya & Mr. Aakash Gupta** has published a research paper title “**Summarize the Cumulative Rainfall Statistical Data using Five Number Summary, Outliers and Graphical Representation of Box Plot**” in Indian Journal of Natural Sciences, Web of Science Vol.14 / Issue 79 / August / 2023 ISSN: 0976 – 0997.

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**Mr. Jigesh Mehta, D. S. Panwar, Deepak Kohli, Balraj Tudua, Vishal Shah, Jigna Patel, Hitesh Panchal, Ankit D. Ozac, Kiran Bholed, Naveen Kumar Gupta and Chander Prakash** has published a research paper title “Efficacious elimination of salts from a convoluted ethylene glycol-water solution employing nano filtration membranes”, © 2023 Taylor & Francis Group, LLC <https://doi.org/10.1080/15567036.2023.2259835>

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**Mr. Kaushal Singh** published a chapter “**Advancement in health care by Cloud and Edge Computing AND EDGE COMPUTING** in the book “**Handbook of Research on Artificial Intelligence and Soft Computing Techniques in Personalized Healthcare**” in Taylor and Francis Series.

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**Mr. Kaushal Singh** published a chapter “**Homogenization in the Techniques of A.I in HRM**” in the book “**Artificial Intelligence Techniques in Human Resource Management**” in Taylor and Francis Series.

---

**Mr. Kaushal Singh** published a paper “**Water Quality Prediction Using Advance Machine Learning**” in Web of Science Journal "Indian Journal of Natural Sciences".



**Mr. Rakesh Kumar** published a book on:

- Titled “ **Noise & Vibration Issues in Rail Transit System (MRTS)**” Published by CSIR- National Physical Laboratory and Metrology Society of India (MSI)
  - “**Railway Induced Noise & Vibration**” in Intelligent Transportation Systems and Advanced Technology, Springer. (Accepted/in press).
  - “**Assessment and Mapping of Traffic Noise Levels in Coal Capital of India, Dhanbad**” in Intelligent Transportation Systems and Advanced Technology, Springer. (Accepted/in press).
- “**Modeling and Analysis of the hydraulic System Parameters under different loading conditions**”, in Intelligent Transportation Systems and Advanced Technology, Springer. (Accepted/ in press).
- 

**Mr. Rakesh Kumar** published a research paper on “**Failure rate analysis of ball mill and its parts using Weibull model**”, International Journal of System Assurance Engineering and Management, Springer, Accepted(in-press, ESCI, I.F- 2.0)

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# Students' Achievement

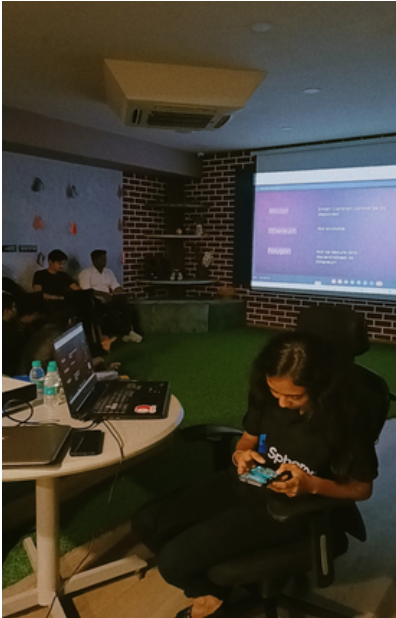


## *Students' Achievement*

**Ms Pooja Rameshwar Mali, Mr. Druv VipulBhai Jasoliya, Mr. Henil Mangukiya, Ms. Chillimuntha, Ms. Devangi, Ms. Priya, Mr. Pawar Chirag** students of SOE, have successfully completed the online training course on the "Overview of Space Science and Technology" under the ISRO START Programme from July 20, 2023, to August 07, 2023.

**Prince Khunt** student of BTech IT5 successfully passed IIT Madras Qualification exam, and got admitted to the University to pursue the course.

**Riya Chudasama**, student of SOE, had organized a tech event in Vadodara on September 10, 2023. It was an in-person meet-up for an online web3 hackathon called Dappathon S2. She taught students about basics of web3 and had a hands-on session of how to build a smart contract.



**Rathod Dharm Nitin, Narola Harshil Hardasbhai, Prajapati Vrutika Balvantray, Patel Aayushi Jayeshbhai** students of SOE, has received the Dewang Mehta Award in Certificate of Excellence: Top Ranker 2023 on August 10, 2023.

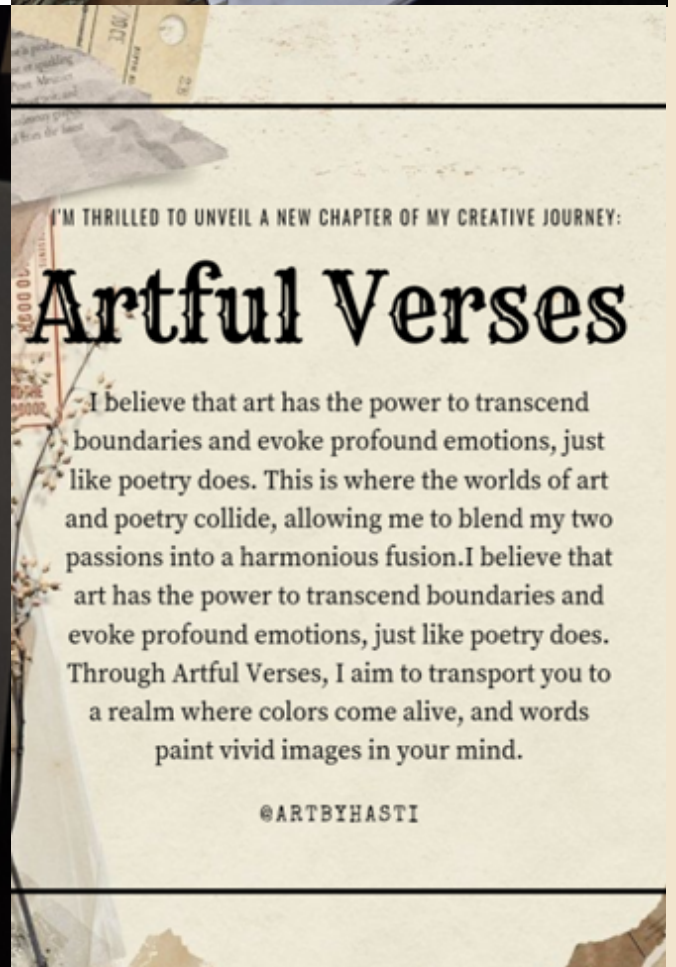
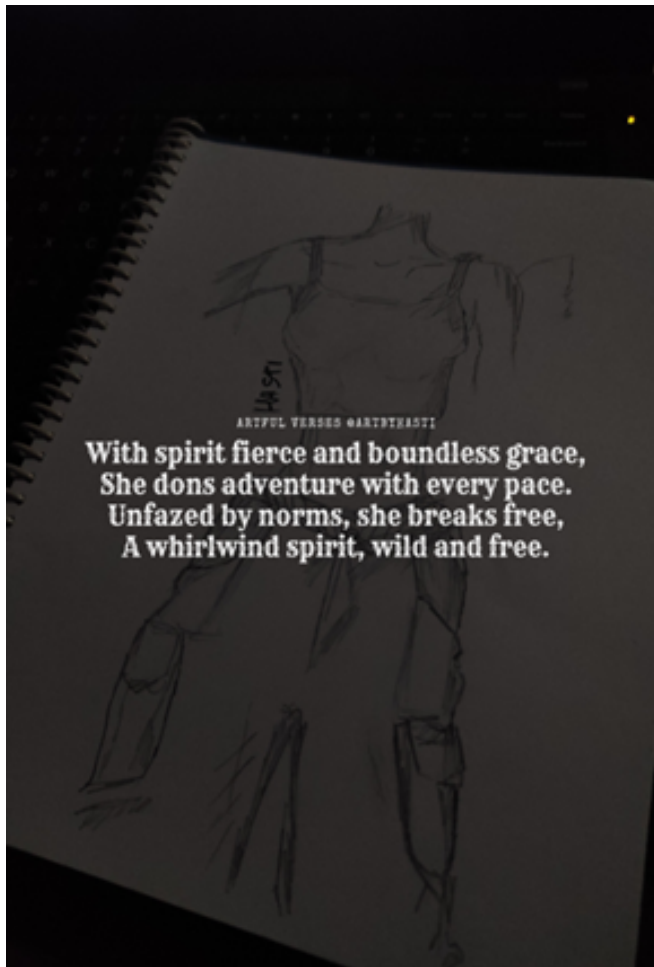
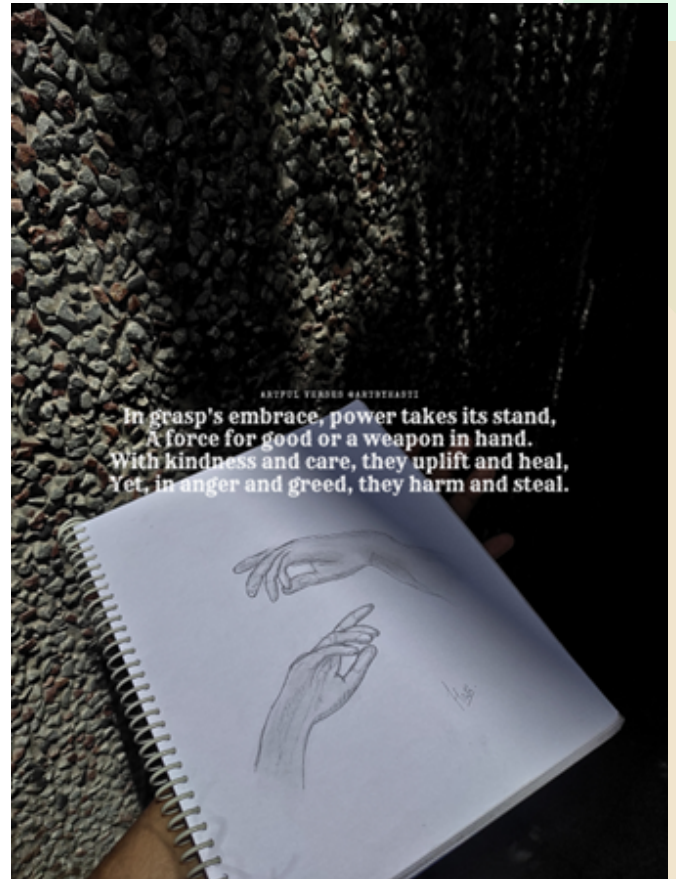


# Students' Alley

## Students' Alley



Name : Hasti Rupareliya  
22SE02IT035  
BTech IT3  
9908782847



# Student Thinks



## *Student Thinks*



Name : Hasti Rupareliya  
22SE02IT035  
BTech IT3  
9908782847

“

After my earthly journey ends, I'll reincarnate as the gentle rain, painting  
your world with my presence.

I'll radiate in your life like a blazing sun, warming your heart with  
compassion.

My touch will be as soft as the wind, a constant caress. Just like your  
shadow,

I'll never part from your side, always there to accompany you on this cosmic  
dance.

When I return, I'll be the laughter in your heart, the melody in your dreams,  
and the colors in your life.

Like a secret whispered by the stars, I'll remain eternally intertwined with  
your existence.

When I return, I'll dance through your dreams like a firefly, and my laughter  
will echo in the rustling leaves of your favorite tree. I'll whisper secrets to  
you in the babbling brook, and my love will bloom in the petals of every  
flower you see.

I'll return as the gentle waves, caressing the shores of your memories.  
I'll be the star that guides you through the darkest nights, a beacon of love  
and hope.

When I become stardust, I'll twinkle in your night sky, a celestial companion  
for all eternity.

And when you look up at the moon, know that I'll be there, watching over  
you from afar.

Like a whisper in the breeze, my essence will linger, reminding you that I'm  
always with you.

”



Hasan Sefuddin Vohr  
22SS03CS003  
Msc DS &ML

“

लड़का होना आसान है क्या?

घर में आई खुशखबरी,  
लड़का हुआ है।  
पैदा होते ही,  
जिम्मेदारी आगई।  
बचपन से सोच लेते हैं,  
बनेगा हमारे बुद्ध पे का सहारा।  
जवान हुआ नहीं,  
नौकरी के लिए घुमेगा माँ का प्यारा।  
शादी की उम्र हो गई,  
घोड़े पर चढ़ेंगे मेरा राज दुलारा।  
यहाँ तक तो ठीक था....  
अब होगा ज़िंदगी का असली सामना....  
घर की उम्मीद अब बेटे से,  
घर का सुहाग एक पति से,  
घर की खुशी अब पिता से,  
ये सब की जिम्मेदारी उस लड़के से।  
अपनी खुशी काट कर,  
घर की खुशी भरता है,  
कोन कहता है जनाब,  
लड़का होना आसान है।  
हर दिन आराम से उठने वाला,  
आज सब से पहले उठ के काम करता,  
दो पैसे बचाने के लिए,  
पैडल चल के जाता है।  
बुढ़ापे का आलम आया,  
बिमारी के संग लाया,  
जिंदगी का आखिरी डोर,  
लिखने खुद ईश्वर आया।  
आज आखिर पल में वो लड़का,  
जिंदगी के आखिरी दौर में,  
खुशी से मुस्कुराया,  
हस्ते हस्ते जिंदगी को चोर आया।

”





# Faculty Thinks





**Dr. Vinit Gupta  
Associate Professor,  
Department ME, SOE**

## **An Endless Search**

To be or not to be;  
a bubble in the vast sky, craving to identify itself or to dissolve and mistify;  
a tide that if breaks free;  
a mirror that if does not reflects;  
not to be perhaps is crazy, in the surroundings full of I;  
to be can be equally arduous, defeating the very purpose;  
a resistance to infinite flow, a separate self to unseparate glow;  
then the quest still remains, a search in the evolutionary terrain;  
identities try to dissolve, dissolution tends to identify;  
to be or not to be, however remains unrealized...



Riddhi Desai  
Assistant Professor  
Department CE/IT, SOE





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