

TECH VRUTAM

APRIL 2023

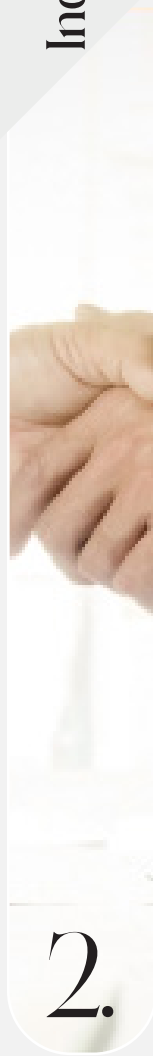


HISTORY
REPEATS
ITSELF



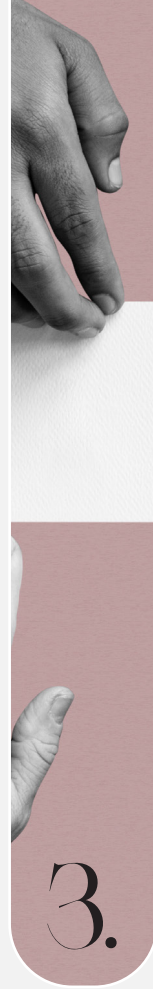
1.

Events of Academic Excellence



2.

Industry-Academia Meet



3.

Faculty Participation



4.

Research Erudite



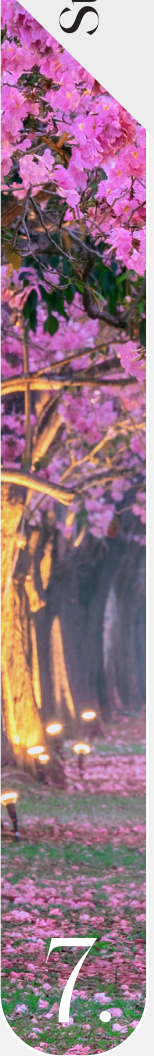
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Events



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Student's Achievement



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Students' Alley



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Faculty Thinks

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EVENTS OF ACADEMIC EXCELLENCE



Scope of ITI in Process Industries

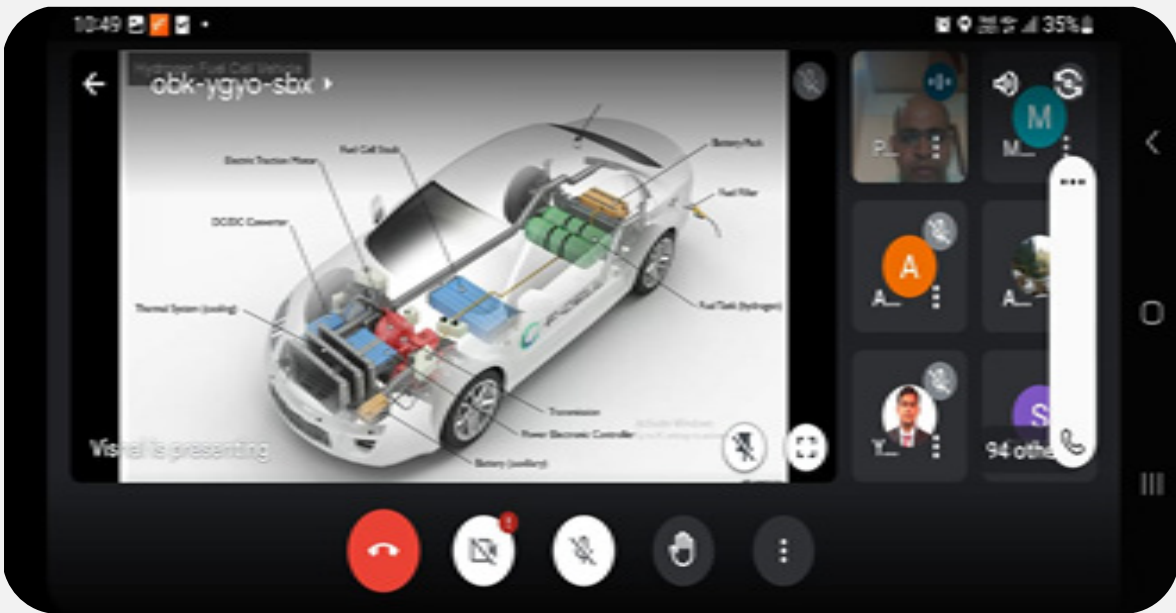
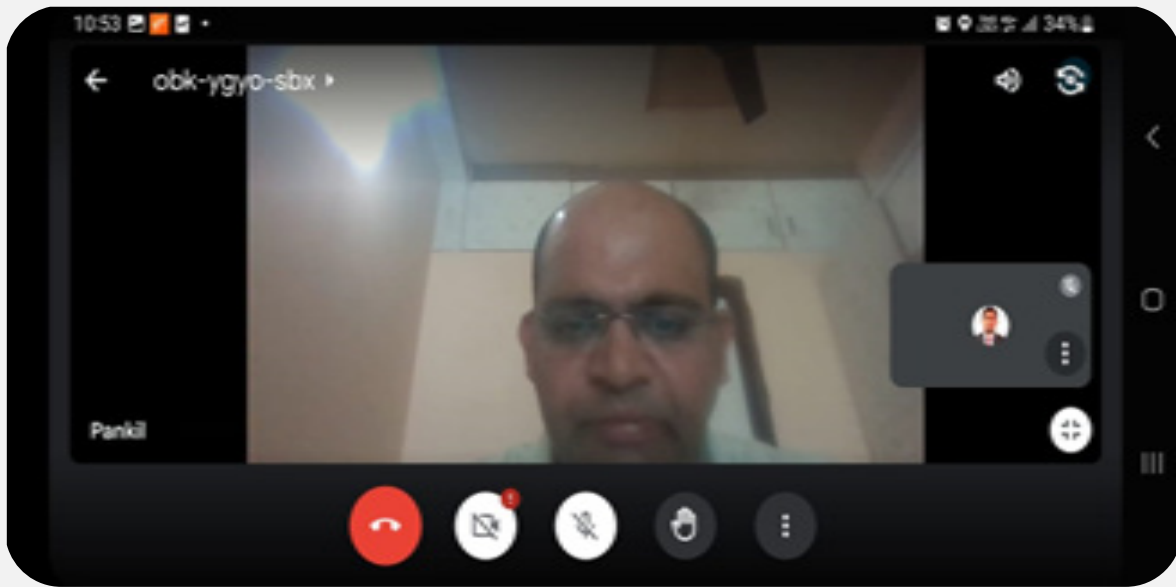
School of Engineering organized an Expert Session on the Topic “Scope of ITI in Process Industries” at ITI, Valia. Mr. Jigesh Mehta on January 11, 2023. Mr. Vishal Shah and Mr. Chirag Desai were the Speakers of the Session.

There were 150+ students from different trades like AOCP, LACP, Fitter, Electrician who were benefited from the Session.



Green hydrogen an Alternative for Reducing Emission

Mr. Pankil Parikh, Sr. Manager Operations, Gujarat Fluro Chemicals (GFL), Dahej, and Mr. Vishal Shah, Assistant Professor delivered an expert talk on “Green hydrogen an Alternative for Reducing Emission” to the chemical engineering students on March 5, 2023.



Basic of Pumps Expert Talk

School of Engineering, Chemical Engineering Department arranged an Expert talk on the topic “Basic of Pumps” for 48 students of Chemical Engineering 4th Semester on March 03,2023, Friday during 10:30 am to 12:30 pm. This session was delivered by eminent speakers Mr. Punamchand Kapadia, Sr. Manager technical service, GNFC, Bharuch, and Mr. Arpit P. Patel, Sr. Shift engineer, GNFC, Bharuch



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One-day Laboratory sessions

School of Engineering organized a One-day Laboratory sessions for the Diploma Civil, Mechanical and Chemical Engineering students of Valia Polytechnic College, Valia on January 31, 2023. Total 132 Students visited the Campus and were able to perform various laboratory practical. Students got the benefit of exposure to New Practical. Glimpses of the Event.



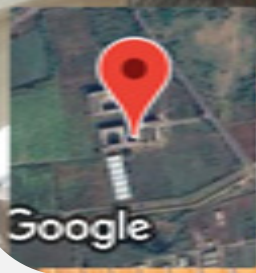


Expert session

Faculty members of Chemical Engineering department, P.P. Savani University, Kosamba delivered an Expert session on March 13, 2023 at Valia Polytechnic college. Mr. Vishal U.Shah, Assistant Professor spoke on the topic “Basics of Fertilizer and fertilizer industries” and Mrs. Jigna Patel, Assistant Professor spoke on topic “Cost Estimation and depreciation”. There was 40+ students of 6th semester who got benefited from this expert session.



Valia Polytechnic College, Nr Desad Road, Valia, Valia, Gujarat 393135, India
 13 Mar 2023 11:31 am
 overcast clouds 37.0 °C



Valia, Gujarat, India
 Valia Polytechnic College, Nr Desad Road, Valia, Valia, Gujarat 393135, India
 Lat 21.569144°
 Long 73.168934°
 13/03/23 10:46 AM GMT +05-30

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Expert Session Non-Destructive Testing

Mechanical Engineering Department of the School of Engineering has organized an expert session on Non-Destructive Testing in Railway Industry on January 28, 2023.



School of Engineering

www.ppsu.ac.in

**EXPERT SESSION ON
 NON-DESTRUCTIVE TESTING (NDT) IN
 RAILWAY INDUSTRY**

Saturday, 28th January, 2023
 11:30am onwards

CONVENERS


 Mr. Chirag Desai


 Mr. Amir Patel


 Dr. Rakesh Kumar


 Dr. Rahul Sinha

EXPERT


 Mr. Aniruddh Jadav
 Planning Engineer,
 Alstom India pvt. Ltd.

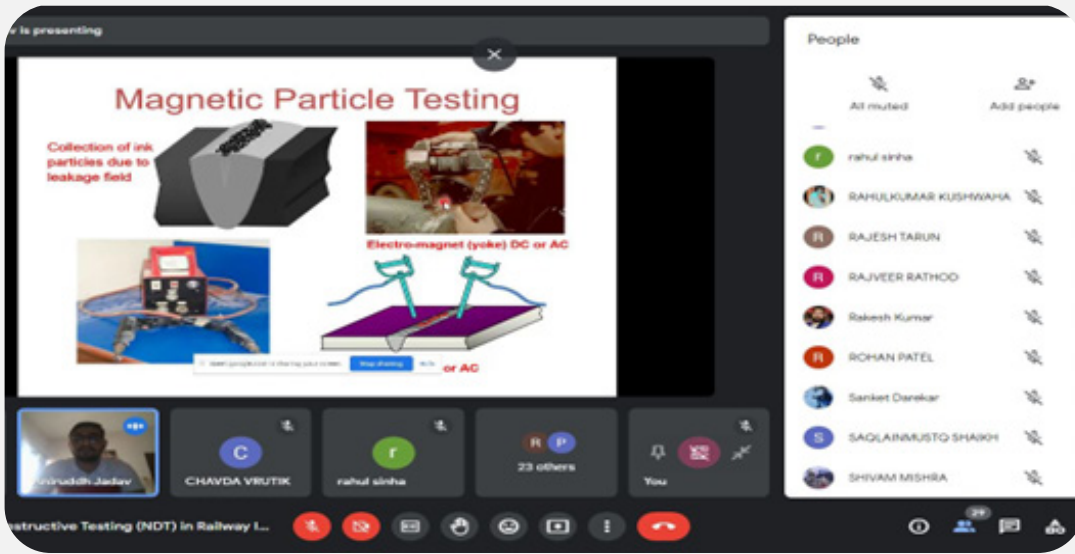
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 P P Savani University

PATRON


 Dr. Niraj Shah
 Dean,
 School of Engineering,
 P P Savani University

Google meet link: <https://meet.google.com/ucw-amed-jvm>



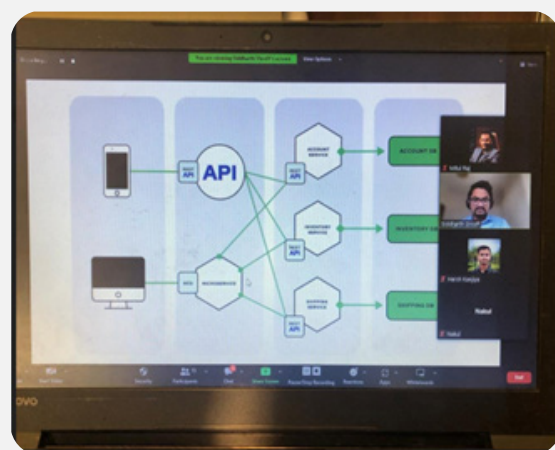
Expert Session Agile Scrum Overview

School of Engineering has organized an expert session on Agile Scrum Overview on March 10, 2023. Mr. Bhowmik Dixit, expert delivered this session under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University.



Expert session Cloud NATIVE Technologies

School of Engineering has conducted an Expert session on March 11, 2023 Saturday at 3:30PM. This expert session was delivered by Mr. Siddharth Shroff Assistant Consultant, TCS on the topic "Cloud NATIVE Technologies". The moderator of this event was Mr. Mitul Raj under the guidance of under the mentorship of Dr. Niraj Shah, Dean & Director, School of Engineering, P P Savani University. There were 19 students of 6th & 8th semester who benefited from this expert session.



Expert Talk Prolog-Artificial Intelligence

Ms. Sneha Saini, Assistant Professor, Department of Computer Engineering and Information Technology delivered an expert talk on "Prolog-Artificial Intelligence" on March 6, 2023, at Parul University during 12:00 to 1:30 p.m., The students of IMCA, BCA and B.Sc .(IT) got benefited by this session.

INDUSTRY-ACADEMIA MEET



Kakrapar Atomic Power Station (KAPS)

School of Engineering had arranged one day industrial visit of Kakrapar Atomic Power Station (KAPS) on February 13, 2023 for Mechanical Engineering students. Students got a good knowledge about nuclear power generation, the future scenario of power generation to meet immersing requirement of power. A very compact unit which produces large amount of power in very safe manner. Students also learned corporate culture. Students also learn about the various components of nuclear power generation like nuclear reactor, nuclear fuels, condenser and cooling towers etc. Students of mechanical engineering students both diploma and degree engineering were beneficial.



ACREX INDIA 2023

School of engineering, P P SAVANI University had arranged one day industrial visit for Mechanical Engineering students. Students had visited ACREX INDIA 2023 (Engineering towards net zero) at Mumbai Exhibition Centre Goregaon on March 16, 2023.

April 2023



Hydro Power Starion UKAI

Mechanical & Civil Engineering Department Students of PPSU (SOE - B.Tech & Diploma) have visited Hydro Power Starion UKAI on March 13,2023.



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Industrial Visit

School of Engineering Chemical Engineering Department organized Industrial Visit under the banner of IIChe at Adani Port & Logistic and Adani Wilmar, Hazira, Surat under the Udaan project for chemical engineering 4th semester students. A total of 50 students benefited from this industrial visit. The industrial visit was coordinated by Mr. Vishal Shah and Mrs. Jigna Patel Assistant Professors, Chemical Engineering Department, P. P. Savani University.



FIXTURE FOR LAP JOINT BONDING

Mr. Chirag Desai, Assistant Professor, Mechanical Engineering Department, worked on "FIXTURE FOR LAP JOINT BONDING" is granted as a design patent by the Patent office Government of India.

FACULTY PARTICIPATION



Dr. Vikas Chomal has attended 7 Day National Level Online Faculty Development Program on Outcome Based Education (OBE) organized by S.E.S College, Sreekandapuram in association with The Kerala State Higher Education Council (KSHEC) from 18 January to 25 January 2023.

MS. Riddhi Desai attended 6 Days GUJCOST sponsored Workshop on “AWS- Machine Learning” held from Jan 30,2023 to Feb 4, 2023 at CSPIT, Charusat in collaboration with ACM and the Data Science Club , CHARUSAT.

Ms. Zinal Gohil attended :

- 6 Days GUJCOST sponsored Workshop on “AWS- Machine Learning” held from Jan 30,2023 to Feb 4, 2023 at CSPIT, Charusat in collaboration with ACM and the Data Science Club , CHARUSAT.
 - Completed a course on “AWS Academy Machine Learning Foundations”, Course duration was of 20 hours, and the certificate was assigned on 2nd March, 2023.
-

Ms. Twisha Patel participated in

- The 5 Days Online Faculty Development Programme On “Machine Learning Application on Health Care” from Jan 16,2023 to Jan 20,2023 at Sri Balaji College of Engineering and Technology, Jaipur.
- The Microsoft, SAP & AICTE ATAL led 5 Days Online Faculty Development Programme On “Artificial Intelligence” under TechSaksham during Jan 16,2023 to Jan 20,2023
- The 6 Days GUJCOST sponsored Workshop on “AWS – Machine Learning” held from Jan 30,2023 to Feb 4, 2023 at CSPIT, Charusat in collaboration with ACM and the Data Science Club.
- Completed a course on “AWS Academy Machine Learning Foundations”. Course duration was of 20 hours, and the certificate was assigned on 2nd March, 2023.
- Attended the 3 Days Online Faculty Development Programme On “Developing Research Skills” held from Jan 23,2023 to Feb 25,2023 at Sri Balaji College of Engineering and Technology, Jaipur.

Ms. Maulika Patel attended :

- 6 Days GUJCOST Sponsored Workshop on “AWS- Machine Learning” held from Jan 30,2023 to Feb 4, 2023 at CSPIT, Charusat in collaboration with ACM and the Data Science Club.
- Completed a course on “AWS Academy Machine Learning Foundations”, which is of 20 hours. and the certificate was assigned on 2nd March, 2023.
- Completed a course on “Introduction to Analytic Thinking, Data Science and Data Mining”, Organised by University of California, Irvine.

Mr. Abhijeet Parmar participated in :

- 06 days GUJCOST sponsored Workshop on “AWS – Machine Learning” held from Jan 30,2023 to Feb 4, 2023 at CSPIT, Charusat in collaboration with ACM and the Data Science Club.

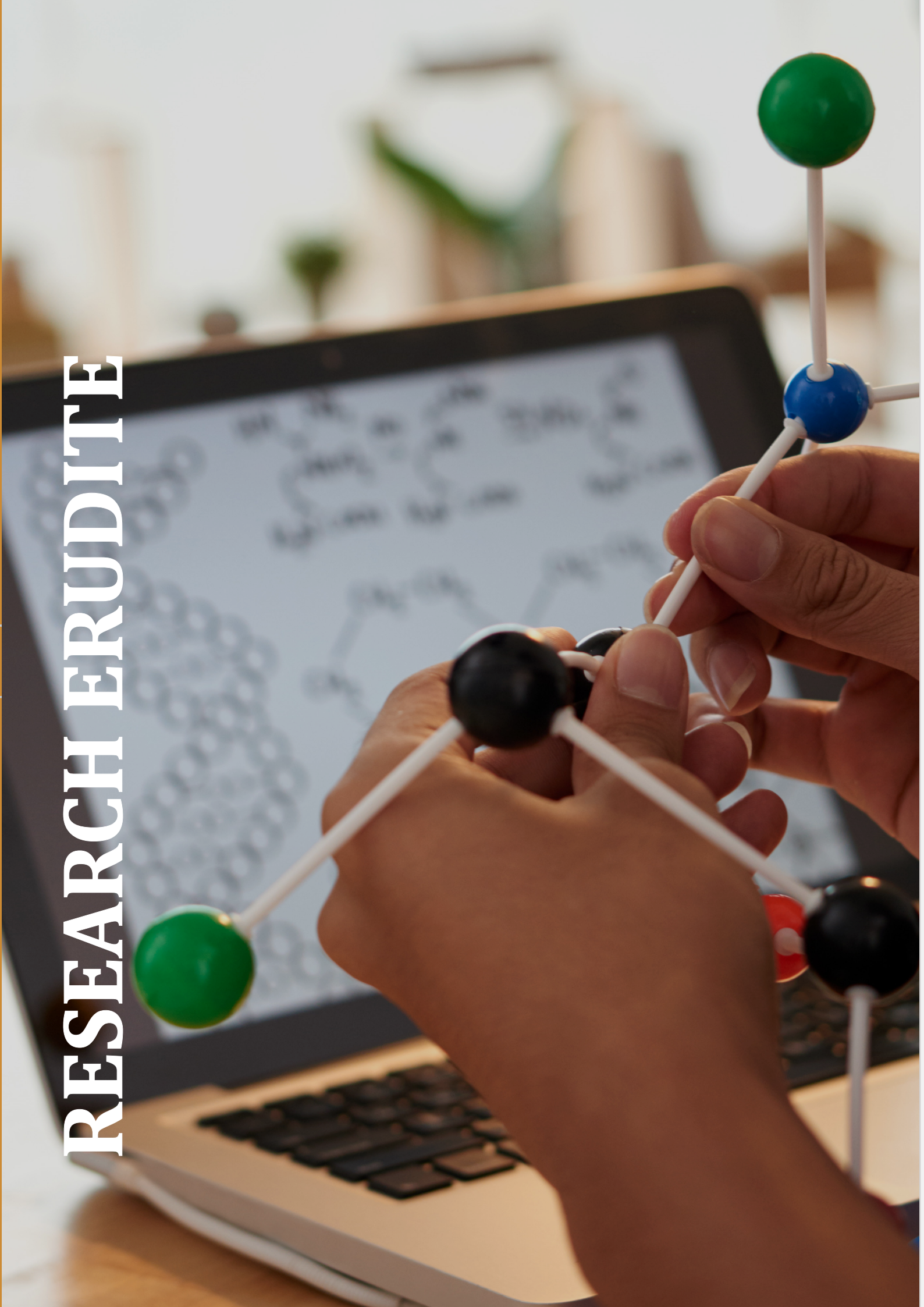
Ms. Khushbu Chauhan attended :

- The Microsoft, SAP & AICTE ATAL led 5 Days Online Faculty Development Programme On “Artificial Intelligence” under TechSaksham during Jan 16,2023 to Jan 20,2023.

Ms. Sneha Saini & Ms. Barkha Makwana has attended :

- The Microsoft, SAP & AICTE ATAL led 5 Days Online Faculty Development Programme On “Artificial Intelligence” under TechSaksham during Jan 16,2023 to Jan 20,2023.
- 3 days FDP On “Developing research Skills” from Feb 23,2023 to Feb 25, 2023 at Shri Balaji College of Engineering and Technology, Jaipur.

RESEARCH ERUDITE



Dr. Vikas Chomal has written a chapter in a book titled “Digital Innovation for Pandemics Concepts, Challenges, Constraints, and Opportunities”. Publisher is Taylor & Francis Group – an Informa business, 1st Edition. eBook was published on December 1, 2022 carrying ISBN: 9781003328438. Chapter title was “Opinion and Perception of Mentors and Interns in the Academic Domain for E-Internships during COVID-19”. Authors were Vikas S. Chomal, Jatinderkumar R. Saini, Ketan Kotecha.

Ms. Barkha Wadhvani has published a research article on title “Automatic Keyword Mining model for Gujarati Text”. Name of Journal was Journal of Emerging Technologies and Innovative research , Volume No. : 10, Issue No. : 2. Author Name : Ms. Janvi Sheta, Ms. Barkha Wadhvani, Ms. Janvi Savani carrying ISSN No. : 2349-5162

Dr. Vikas Chomal, Assistant Professor, CE/IT Engineering Department, School of Engineering have Published a Paper entitled “An In-Depth Analysis of the Role Played by Machine Learning and Big Data in Driving Digital Marketing Paradigm Shift” international Journal of Enhanced Research in Management & Computer Applications

Mr. Jigesh Mehta, Assistant Professor, Chemical Engineering Department, School of Engineering have presented a Paper entitled “Prospective review on synthesis of 5 hydroxymethylfurfural (HMF) and 2,5 -dimethylfuran (DMF) from biomass-derived glucose and fructose” at CHEMCON-2022 held at IIT, Kanpur during December 27-30, 2022.

Dr Tanvi Bhavsar, Assistant Professor, ADP, have presented a paper entitled as “Exotic tetraquarks with the $c\bar{c}q\bar{q}$ configuration” in 2nd International Conference on “Advancement in Core and Frontier of Physics (ACFP-23).

EVENTS



Crochet (hook and wool) workshop

On February 17, 2023, WDC (Women's Development Cell) organized a crochet (hook and wool) workshop under the guidance and leadership of Komal NiranjnBhai Patel, founder and director of Charotar Crochet Queens with other members Sunitaben Ahuja, Sumanben Pal, Shubdaben Agnihotri. Mrs. Maulika Patel, Dr. Tanvi Bhavsar and Mrs. Jinal Gohil were the event coordinators. There were 1 male and 64 female college students who participated in this event. They learned how to make a crocheted heart. All of the students engaged in the programme with great enthusiasm and quickly learnt how to create a lovely heart.



Cricket Tournament

School of Engineering & Institute of Diploma Studies along with marvellous support of Sports Department, PPSU organized three days Cricket Tournament for the Diploma and ITI Institutes of Gujarat. A Total 15 teams and more than 180 participated and played matches for 3 days i.e., from February 24,2023 to February 26,2023 on PP SU cricket ground. A Total 11,500 + views happened on the Crichero app within 3 days, which was a great achievement.





Kho-Kho Tournament

School of Engineering along with Sports Department of P P Savani University has organised Intercollegiate Kho-Kho Tournament from February 15,2023 to February ,17 2023 for the with the efforts of the Sports committee and all the volunteers this event was successfully carried out. Tournament started at the Open area beside the cricket ground. Total 10 teams (Boys and Girls) of five schools played their first match. Mr. Rohit Awasthi, Ms. Megha Patel, Dr. Hiren Lekhadiya and Mr. Keval Jariwala from Sports committee of SOE along with support of Mr. Pranay Prasoon and Ms. Kanchan Ingle and NSS/Students Volunteer, successfully completed the whole event.



Awareness campaign regarding employment

A Joint Event was organised by Training and Placement Cell along with Women Development Cell SOE, on the Title “Awareness campaign regarding employment opportunities at the Reserve Bank of India and Financial Literacy” on February 23, 2023. This event was witnessed by Second and Final Year Girls Candidates of SOE and SLM. Eminent experts were Shri Abhishek Kumar Sinha (Deputy Manager RBI Ahmedabad) and Shri Chitransh Joshi, Ms. Priyanshi Singh and Ms. Astha Sharma (Delegates – RBI).





Champion's Mindset

Entrepreneur's Business Club organized a "Champion's Mindset" under the guidance of Nikhil Dedhia on February 24, 2023, Mr. Nikunj Bhavsar was the event coordinator. 150 Students of SOE, SLM and SOP have participated in this event. Speaker interacted with students regarding his own journey of becoming an entrepreneur. Explained about the stages of entrepreneurship i.e., execute, systemize, scrutinize and exit. Students performed an activity on how to manifest our own goals.



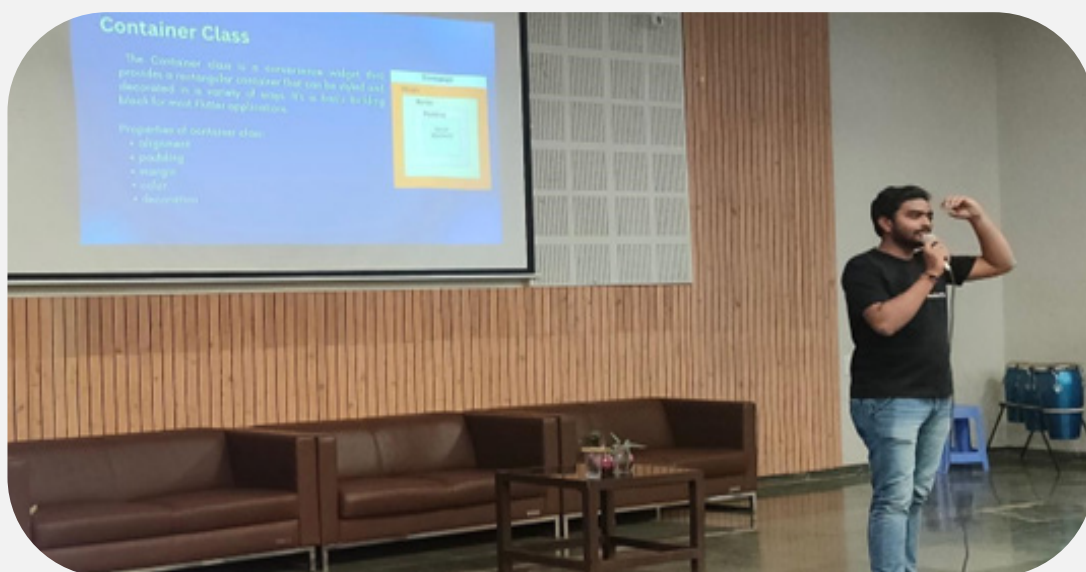
Boot Camp Sustainability Hackathon Challenge

Entrepreneur's Business Club organized a "Boot Camp Sustainability Hackathon Challenge" on March 17, 2023 under the guidance of Haresh Culcuttawala, Sameer Allawadi, Dr. Prashant Saxena. Mr. Nikunj Bhavsar coordinated the event. 200 students of SOE, SLM, SOS and SOP have participated in this event. Speaker interacted with students regarding sustainability Hackathon Challenge, an open event for all those interested in discovering solutions which assist a more sustainable future! Students were encouraged to know more about startups and business ideas to create solutions to real problems facing customers, society, industry sector, government functionaries or global issues.



Flutter Forward Event

P P Savani University, Google Developer Student Club have organized a Flutter Forward Event under the guidance of Google community on January 21,2023 and January 22,2023. The event's purpose was to increase interest in Flutter. Reporters were Mr. Ravirajsinh Chauhan, Mr. Abhijit Parmar who coordinated the event. DSC Flutter Event was a great success. Attendees learned a lot about Flutter and had the opportunity to network with other developers. The two-day event was an excellent way for attendees to use their new-found knowledge to create something tangible. The event was a great way to introduce developers to the Flutter framework and to help them learn how to use it to create beautiful, high-performance mobile apps.



KalaGoonj 2023

P P Savani University celebrated the festival of art, and creativity with zeal, energy, and excellence titled 'KalaGoonj 2023' an Inter College Youth Festival during March 3 to 4, 2023. This festival included 20 events of different categories such as Debate, The Mic Drop, Selfie Point, Mono Acting, HD Photography where approximately 1000+ students of the university participated actively. These two days festival of "Kala" portrayed such a vibrant and passionate "Goonj" that the entire "P P Savani University" felt an upliftment in energy and excellence.

Total 9 colleges under P P Savani University namely School of Engineering, School of Design, School of Science, School of Liberal Arts and Management Studies, School of Homeopathic, School of Architecture and Planning, School of Physiotherapy, School of Nursing, School of Agriculture participated in these two days youth festival KalaGoonj-2023. The competition among these all-outstanding colleges made the environment warm!

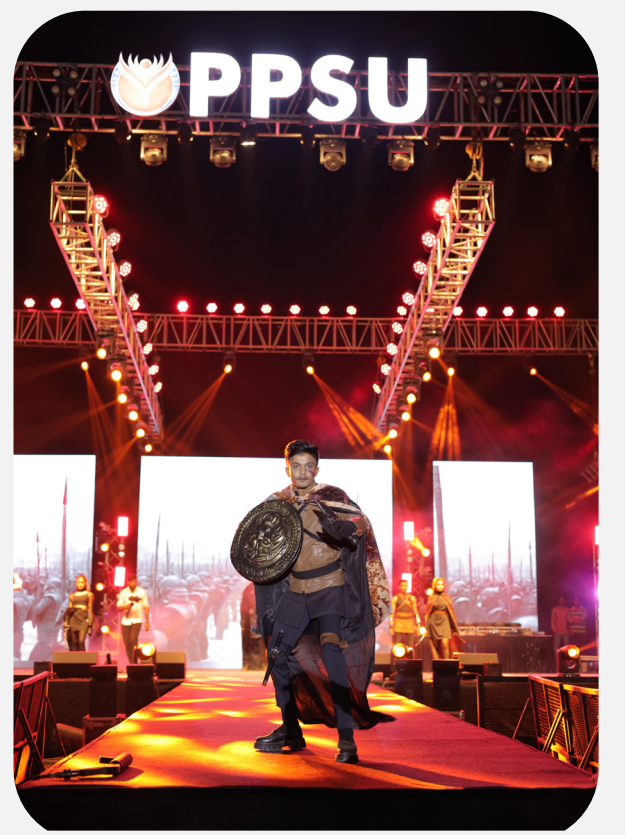
History has been repeated again in Kalagoonj 2023 "School of Engineering-SOE " won maximum events with 105 points and was declared as Champion of KalaGoonj-2023.





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STUDENT'S ACHIEVEMENT



Student's Achievement

“

Jay Thakkar, 6th semester MLAI, SOE, and **Dr. Vikas Chomal**, Assistant Professor, CE/IT Engineering Department, School of Engineering have Published a Paper entitled "A Pragmatic Approach on Adoption of EDA to Make Intelligent Business Decisions" in the journal "International Journal of Wireless Network Security" in the Volume 8, Issue 2,30-42p.

STUDENTS' ALLEY



Life is game



“

Life is game,
Don't you ever lose your aim,
Want to play it? Just enter your name!
At the beginning, you may feel lame,
The game may put you in Blame,
But regret it- if you're a shame.
With all the difficulties, you can be drained,
But every level you see, it's not always the same.
Then came an opportunity, to get the obstacle
tamed,
And when the mission accomplished, you may
show off in flame.

Got yourself in a Flame? put it in the Hall of Fame!
After all.....
Life is a Game.

Hasti Rupareliya
22SE02IT035
Btech IT Sem 2

नारी

“

सृष्टि ने नारी को दिया है मान
कलयुग ने छीना है उसका आत्म सम्मान
जहाँ मानते हैं नारी को दुर्गा
पर जन्म लेते ही पकड़ा देते हैं चूल्हा

नारी ही शक्ति नारी ही काली
फूट गए उसके भाग्य, जसिने ये बात है भूली
नारी से ही जन्म लेता, यह सारा संसार
परंतु यह जगत अकसर भूल जाता उसका उपकार

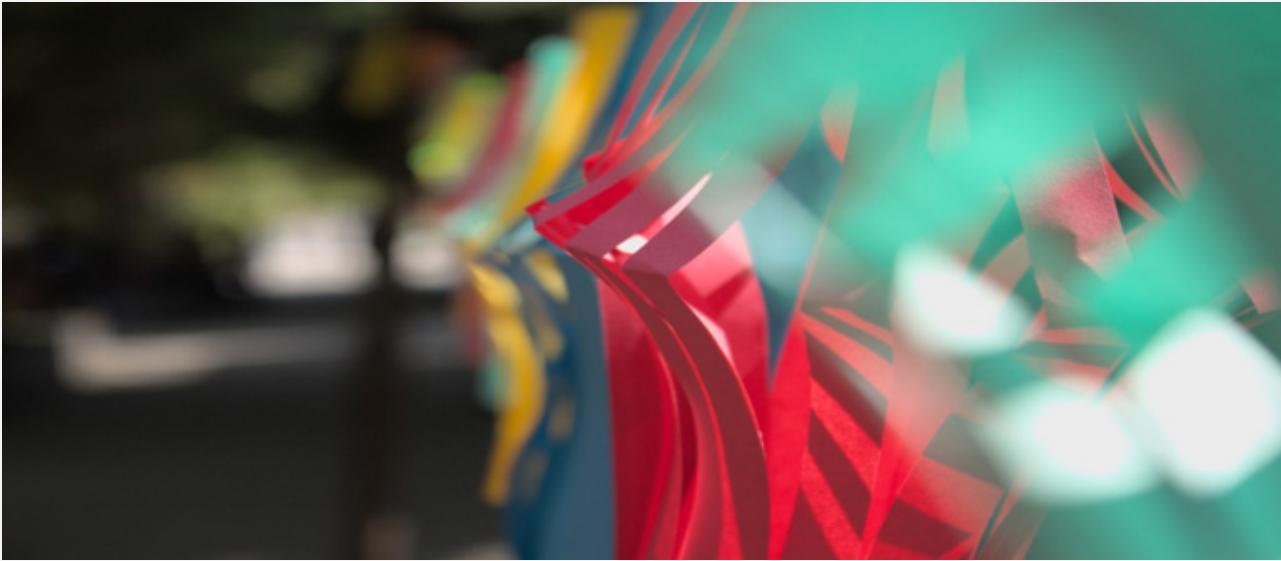
नारी ही बेटी, नारी ही माता
फरि क्यों यह जगत उसके अस्तित्व पर है उंगली उठाता
नारी से ही यह सारी प्रकृति है |
नारीत्व ही एक नारी की कीर्ति है ।

Hasti Rupareliya
22SE02IT035
Btech IT Sem 2

April 2023



Harsh M. Mekhiya
21SE02CE026
B. Tech Information Technology



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FACULTY THINKS



GRANTH GOSHTI

“

GRANTH GOSHTI by **Dr. Vikas S. Chomal** Assistant Professor
CE /IT, School of Engineering

“Winners don’t do different things, they do things differently”. Author grabs the reader’s attention by opening with such an encouraging quote. Shiv Khera’s “You Can Win” enlightens the importance of having a strong set of moral principles. It also offers you a sense of fundamental ideas like self-worth and legitimate education. The book consists of eleven chapters and teaches us about the qualities one needs to cultivate to lead a successful and meaningful life. The book “You Can Win” is included in the list of international bestseller and more than 3.5 million copies of the book in 21 languages are sold. I will discuss what I took away from Shiv Khera’s book “You Can Win” with you.

Attitude - What you believe and do affects your attitude. Always maintain a positive outlook no matter what the situation. You should therefore shield your thoughts from negative influences. Three E(s) - Khera coins three E’s and termed that as the factors that affects attitude namely – Environment, Experience and Education. Surround as well as build a community with people who inspire you and to have a wider view of things read quality articles and books.

Personality - You can only enhance your personality by giving it more substance.

Change – Accept the change. Establish a positive mindset. Create a desire to correct your attitude and alter it. As it is rightly said “Your life does not get better by chance, it gets better by change”.

Kaal kare so aaj kar - Don’t put off achieving success by putting it off. This can be related with the famous quote by Sant Kabir “kaal kare so aaj kar aaj kare so ab. Pal mein paralay hoegee bahuri karega kab”.



Enjoy and dwell the present - Make the greatest possible use of your time. You must, of course, plan in order to accomplish it. Education – The finest quote I ever read is “True education is training of both the head and the heart” stated by Khera. According to Shiv real life experiences are the basis of true education. A well-educated person is capable of applying their knowledge in the appropriate situations.

Proactive - Khera emphasizes the importance of being proactive, that is, taking charge of your life rather than letting it rule you. He provides tips on how to win, develop a positive personality, exploit one’s weaknesses, inspire others and oneself, and establish good character and habits.

Overall, a lovely book having motivational stories and illustrations tales that can enable a person to succeed in any circumstance, both professionally and personally.

Strongly recommend for future generations to read the book as it encourages readers to develop into decent people and aids in establishing values and clearing up confusion in daily life. Lastly, the book resents a strategy that bridges the gap between conventional wisdom and modern thinking.



April 2023

Invitation for Content

The students and staff members are cordially invited to contribute with the content for the upcoming issue of "Tech वृत्तम्" - A Quarterly Institute E-Newsletter to be published in July 2023. Kindly contribute as per the categories mentioned below:

Activities and Events @ SoE

- ❖ Academic Events (Conference, Seminar, Expert Talk etc.)
- ❖ Technical Events (Engineer's Day, Tech Fest, Industrial Visit etc.)
- ❖ Cultural Events (Festivals, Fresher/ Farewell Party etc.)
- ❖ Sports Events (Institute Level, University Level Participation)
- ❖ Others (Women Development Cell, NSS, Marketing, Community Service)

Achievements @ SoE

- ❖ Curricular (Semester/ Year Topper)
- ❖ Co-curricular (Tech Fest, Workshop, Debate, Elocution, Essay Competition etc.)
- ❖ Extra-curricular (Cultural & Sports Events within and outside PPSU)
- ❖ SoE Faculty Achievements (Presentation, Participation, Expert Talks)

Creativity @ SoE

- ❖ Curricular (Semester/ Year Topper)
- ❖ Co-curricular (Tech Fest, Workshop, Debate, Elocution, Essay Competition etc.)
- ❖ Extra-curricular (Cultural & Sports Events within and outside PPSU)
- ❖ SoE Faculty Achievements (Presentation, Participation, Expert Talks)

Innovation Corner

- ❖ Innovative Ideas, Research, New Arrivals in the respective field (all branches) etc

Faculty Thinks

- ❖ Short Motivational/ Inspirational/ Informative/ Intellectual articles

Student Thinks

- ❖ Short Motivational/ Inspirational/ Informative/ Intellectual articles

Submit your work/content as per the below guidelines:

- ❖ Submit your work on techvrutam@ppsua.ac.in.
- ❖ It is mandatory for students to mention name, enrolment number, Branch, Contact number, and soft copy of passport size photo in their submitted work.

For queries, kindly contact to: **Ms. Sneha Saini, Ms. Twisha Patel, Asst. Profs., CE&IT, SoE.**

Interested Student for design, kindly contact to: **Ms. Zinal Gohil, Asst. Prof., CE&IT, SoE**

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