TECH वृतम्

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A Quarterly Institute E-Newsletter

P P SAVANI UNIVERSITY — School of Engineering

Highlights of the Issue…

October 2019

Encrypting the journey of Academic Excellence….

About P P Savani School of Engineering

P P Savani School of Engineering strives hard to build a strong foundation of novel approaches to teaching-learning processes in order to impart quality education in Engineering in comfortable, enjoyable and easy learning environment to the budding engineers. We, at P P Savani School of Engineering, offer intensive learning programs accompanied with interdisciplinary studies and research. We aspire to provide skilled and motivated manpower catering to the rapidly changing industrial needs and also to train students through cut throat competitive and techno savvy world.

Additionally, these courses offered are delivered through world class state-of-art laboratories and hi-tech tools and equipment. We wish to inculcate leadership qualities, creativity, problem solving and many more skills like these by exposure to real time problem solving activities. We also thrive to produce competitive and employable human resource of Engineering for the global market through the establishment of Center for Skill Enhancement and Professional Development.

In the nutshell, we are aiming for excellence academic exposure to the students and hence, produce not only job seekers but also job creators and leaders of tomorrow.

Academics @ School of Engineering

- ❖ Choice Based Credit System/Online Courses
- ❖ Curriculum aligned and supported from the Industrial spectrum
- ❖ Constant focused approach on students' attendance and performance
- ❖ Orientation programs for Students
- ❖ Intensive Industrial Exposure by visits
- ❖ Expert Lectures by the Eminent speakers from Industries and Academia
- ❖ Student Feedback System

Student Support Activities @ School of Engineering

- ❖ Academic Felicitation of Outstanding Performer in Teaching & Non-Teaching Staff
- ❖ Students' Mentoring/Counselling System
- ❖ Cash awards/Merit Scholarship to Rankers
- ❖ Skill Enhancement Programmes for the Students & Staff Members
- ❖ Student's involvement in several Outreach Activities like Model Making, Vibrant Gujarat Event, Empowering Rural Communities, Technical Festivals etc
- ❖ Availability of Hi-Tech Software for better visualization
- ❖ Site Visits for Practical Exposure
- ❖ Rich Knowledge Resource Center
- ❖ Hands on Activities/ Workshops for Students

Acknowledgement

We are grateful to all content contributors for
making this issue a joyous experience of reading.

Events of Academic Excellence @ SoE

Eminent Experts @ SoE

Dr. Parth Shah, CSPIT, CHARUSAT, Changa delivered an expert talk to 5th semester students of CE/IT on "Information Security" on September 25, 2019.

Mr. Snehal Tralsawala, Freelancer, taking operational problems of chemical industries delivered an expert talk on "Instrumentation & process control" on August 30, 2019 to the 3rd & 5th semester students of Chemical Engineering program.

Mr. D K Joshi, Vice President, Operations, Meghmani Organics Limited, Ankleshwar talked with Chemical Engineering students on "Process related Safety in Chemical Industries" on September 18, 2019.

Industrial Exposure @ SoE

3rd semester Chemical Engineering students visited Godrej Industries, Valia on September 26, 2019.

5th semester Chemical Engineering students visited Lupin Limited, Ankleshwar on September 6, 2019.

**IIChE
Student
Chapter
Inauguration**
August 30, 2019

IIChE (Indian Institute of Chemical Engineers) Student Chapter PPSU's inauguration was organised by Chemical Engineering Department on August 30, 2019. Mr. S. I. Thakar, General Manager, GNFC Ltd and Chairman, IIChE-ARC, Mr. Snehal Tralsawala, Honorary Treasurer, IIChE-ARC and Mr. Joy Shah, Director in Charge, IIChE-ARC were the chief guest on the occasion. Ms. Sofia Ahmed, Assistant Professor, Chemical Engineering Department was appointed as IIChE Student Chapter Coordinator-P P Savani University. The inauguration ceremony was followed by Mr. Snehal Tralsalwala's talk on Instrumentation & Process Control & quiz competition for 3rd & 5th Semester students of the department. Abhi Darshaniya, Kushal Kapadia, Ramil Patel and Darshan Sojitra, students from 5th semester won the competition whereas Bansi Patel, Dixit Chaurasiya, Mayur Ahir and Sharnil Patel, 3rd semester students were the runner up of the competition.

Special Talk @ SoE

A special talk on "Preparing Effective Research Proposal: A Key to Explore Funding Opportunities" was organised by the Department of Science & Humanities on September 26, 2019 for faculty members & students who were interested in research. Dr. S. Arumugam, Adjunct Professor, Amrita Vishwa Vidyapeetham, Coimbatore was the expert of the talk.

National Seminar @ SoE

GUJCOST Sponsored one day national seminar was organised on "Solving Engineering Problems: A Mathematical Approach" by the Department of Science & Humanities on September 27, 2019 for the faculties, research scholars & students. Dr. S. Arumugan, Adjunct Professor, Amrita Vishwa Vidyapeetham, Coimbatore & Dr. Jayesh Dhodiya, SVNIT, Surat were the resource persons for the seminar. More than 170 participants took advantage of the seminar.

Other Events @ SoE

Engineer's Day Celebration 2K19 @ SoE

The enthusiastic team of SoE celebrated Engineer's Day on September 14, 2019 in loving memory of M. Visvesvaraya. The launch of the event was done through a skit on "No Plastic" to spread awareness about not using plastic. 17 various technical & non-technical events with competition were organised to celebrate the day. It was mandatory for students of SoE to participate in at least one technical event. Winners & Runners up were given award at the hands of Dr. Parag Sanghani, Provost, PPSU & Dr. Niraj Shah, Dean, PPSU.

Fresher's Party @ SoE

2nd year students of SoE organised Freshers' Party to welcome new batch of SoE students on September 21, 2019 at the campus. Dr. Parag Snaghani, Provost PPSU, Dr. Niraj Shah, Dean SoE, faculties & supporting staff of SoE & students of SoE remained present. The evening started with felicitation of the students who secured first and second position in the technical and non-technical events organised on Engineer's Day followed by Dance, Ramp Walk for the contest of Mr. & Miss Fresher and DJ evening. Ms. Priyanka Patel and Mr. Ravi Ratnam from School of Design provided their service as judges for Mr. and Miss Fresher contest. Ankur Rathore (Civil Engineering) and Ayushi Diyora (Information Technology) were crowned as Mr and Miss Fresher 2k19.

Faculty Achievement

Mr. Vinaykumar Singh was invited to deliver an expert session in the area of Technical Writing with LATEX focusing on Beamer & CV at a Workshop on "Technical Writing with LATEX" during August 21-23, 2019 in association with GUJCOST by The Department of Electronics & Communication Engineering, Indus University, Ahmedabad.

Students' Achievements

Achievements at KhelMahaKumbh 2019

Game: Chess Tournament
Position: Champion at Zone Level, Selected for District level

Sr. No.	Enrolment Number	Name	Branch	Semester
1	19SE02IT078	Gaurav Sharma	IT	1

Game: Volleyball Tournament (Boys)
Position: Runners-Up at Zone level, 6 Players are selected for District level

Sr. No.	Enrolment Number	Name	Branch	Semester
1	17SE02CV005	Rahil Italiya	CV	5
2	18SE02CH032	Bansi Patel	CH	3
3	17SE02CV004	Gopal Italiya	CV	5
4	17SE02CV001	Sahil Bhingaradiya	CV	5
5	18SE02CH062	Manav Patel	CH	3
6	17SE02CH020	Anand Kevadiya	CH	5
7	17SE02CV008	Brijesh Koradiya	CV	5

Player 1-6 are selected for District Level.

Game: Kabaddi Tournament (Boys)

Position: 3rd place at Zone level, 2 Players from University are selected for District level

Sr. No.	Enrolment Number	Name	Branch	Semester
1	17SE08IT001	Jay Savani	IT	5
2	18SE02CH054	Divyesh Thakor	CH	3
3	19SE02CV008	Kishan Yadav	CV	1
4	19SE02CV010	Ankur Rathor	CV	1
5	19SE02CV002	Harish Chaudhary	CV	1
6	18SS02IT003	Rohit Chaurasiya	BSc. I.T.	3
7	19SE02CV001	Vivek Chaturvedi	CV	1

Player 1 is selected for District Level.

Game: Volleyball Tournament (Girls)

Position: Champion at Zone level, Whole Team Selected for District level

Sr. No.	Enrolment Number	Name	Branch	Semester
1	17SE02CE019	Isha Golakiya	CE	5
2	17SE02CE020	Mansi Hirpara	CE	5
3	19SE02IT037	Ayushi Patel	IT	1
4	17SE02CE031	Rency Malaviya	CE	5
5	17SE02IT007	Ruchita Bhadani	IT	5
6	17SE02IT028	Ayushi Malaviya	IT	5
7	17SE02ME013	Payal Patel	ME	5
8	17SE02CE033	Krupali Mangukiya	CE	5
9	18SE02CE020	Srushti Kakadiya	CE	3

All players are selected for District level.

Achievements at University Level 2019

Game: Inter College Chess Tournament (Boys)

Position: Champion

Sr. No.	Enrolment Number	Name	Branch	Semester
1	19SE02IT078	Gaurav Sharma	IT	1

Game: Inter College Chess Tournament (Girls)

Position: Runner up

Sr. No.	Enrolment Number	Name	Branch	Semester
1	17SE02IT061	Dishaben Vithhani	IT	5

Game: Inter College Table Tennis Tournament (Boys)

Position: Champion

Sr. No.	Enrolment Number	Name	Branch	Semester
1	19SE02IT078	Gaurav Sharma	IT	1
2	18SE02CE056	Nainesh Kanani	CE	3
3	18SE02CE054	Ajay Dungrani	CE	3
4	18SE02CE059	Meet Shah	CE	3
5	18SE02CE015	Het Modha	CE	3

Students' Alley

Survivors

You are strong enough,
To win rough;
You can't be misuse,
Like a fuse.

You have to steal,
Like you heal;
You need to feel,
Like a hill.

To be a rebel,
Make the hell;
To cut the thread,
Make the bad.

To win the war,
Be the mentor;
To live the nation,
Start your imagination.

Be the good extrovert,
Not an introvert;
To make the shell,
Win the hell.

Keval Suchak
19SS02IT039
B.Sc (IT)

Conquer yet Saviour

I am creator of our relation,
Yet you call me a conquer.

But my dear I fear,
That you won't hear,

Will disappear,
From my sphere.

Every time you go away,
I made my way.

To make you best,
I left the rest.

To make you whole,
I filled the hole,
To let you live your goal.

My Soul Said

My world is like a bucket,
In bucket there are full of letters
Some opened
Some unopened
Some read
Some burnt
And some are never received

I don't have story to tell
I don't have story to write
I don't have story to show
I don't have story to share
I don't have story to explain
I don't have story to forgot

But don't think that
I don't have knowledge and my bucket
is empty.
I have story to live a life

Ruchita Bhadani
17SE02IT007
Information Technology

Hey, sweet girls

Don't think over,
Just ignore the crowed
Turn up the volume of your passion's music
loud
Don't let the world trouble you
Don't live for the world
You live for you and think for you
Make it easy.

Meet Vasani
18SE02CE049
Computer Engineering

Magnificent Cosmos

From the days where dinosaurs used to roam around the globe. The species evolved gradually. Ever thought that the Fossils and resources we consume these days are by product of them. Feel lucky to use them because in the near future these things will get extinct and can only be seen on the pages of Books. A spec erupted and everything grew bigger and bigger, I mean just look around, the land, the soil, they are millions and Billion ages old. Moving on further, we are just dot in a particular galaxy, the galaxy has uncountable dots, there might be another Solar system in those dots and one dot might contain another Earth where there might still be Dinosaurs, the time might be slow, there will be someone who might be building a prototype to reach Skies. The possibility of thinking cannot be ignored. The amount of Space in the Universe is increasing rapidly as the time is passing by and here, we are still not able to get out of our own Galaxy, THE MILKY WAY. It is impossible to explore the Universe; we have an energy worth a grain of sand. Even if we have Energy, It is still extremely dangerous. Just hold your breath and imagine all the things going up there is nothing but just combining of gases. Just Imagine how the gases, a component which does not even have a perfect form is responsible for the expansion. There is much to discover, but is this enough to get an idea, Cosmos is truly Magnificent- Isn't it?

Faculty Thinks...

Mr. Hardik Majiwala
Assistant Professor
Department of Mechanical Engineering

The Black Swan – A Theory of Uncertainty

A "Black Swan" is produced when the gap between what we know and what we think we know becomes dangerously wide. This concept is closely related to uncertainty and learning. A Black Swan event is usually a surprise, at least to the observer. Black Swan events are unpredictable and highly improbable events that are inevitable in our world. And the only way for managing these types of incidents is to become ant-fragile and robust in order to become immune to prediction errors and protected from adverse events.

Black Swan originates from the Western belief that there are only white swans. However, the belief changed after the Dutch explorer – Willem de Vlamingh, discovered black swans in Australia. Nassim Nicholas Taleb – a finance professor and former Wall Street trader, was the first to use this term in 2007. The term, however, became popular after the 2008 financial crisis. Since such events have catastrophic consequences; Taleb argues that people must always assume the possibility of such an event and plan accordingly. Using the 2008 financial crisis as an example, he also noted that a broken system if allowed to fail, strengthens against the future black swan events.

The Black Swan events having the attribute of
I.   Such an event is unpredictable to the observer.
II. Such an event has widespread consequences.
III. After the event, people will argue that it was predictable.

Compiled from: Book - The Black Swan: The Impact of the Highly Improbable by Nassim Nicholas Taleb
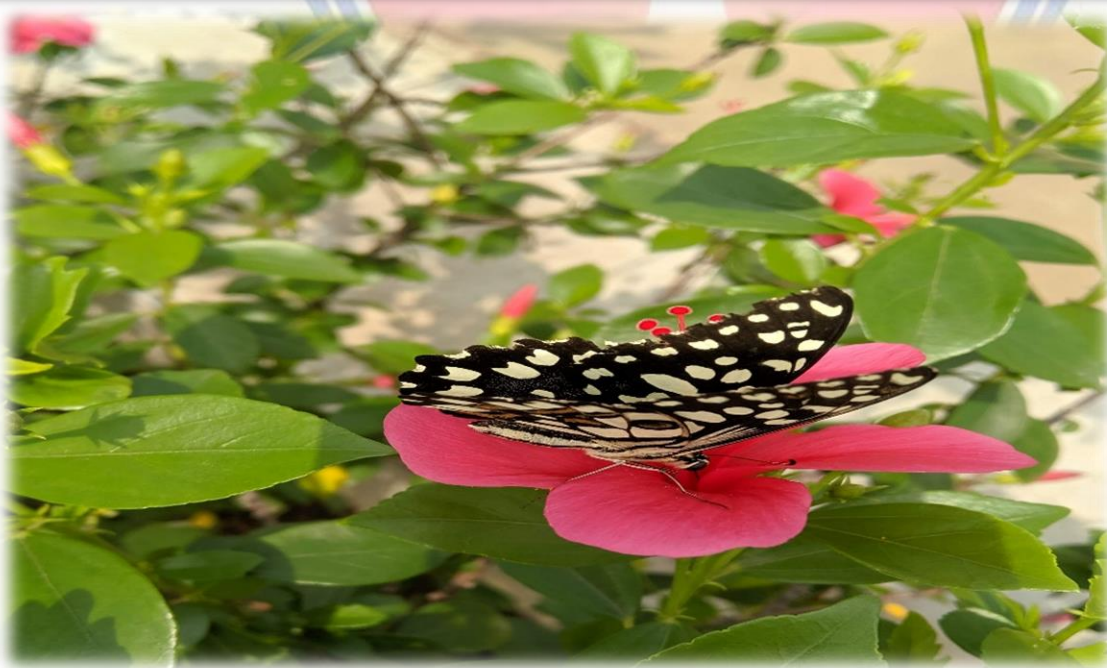
Creative Corner

Bhrami Zadafiya
19SE02IT077
Information Technology

Nature at Youth's Eye...

Dhruv Vagadiya
18SS02IT035
B.Sc IT

School of **Engineering**

Nancy Kanani
19SE02IT021
Information Technology

Chandresh Maniya
17SE02CE035
Computer Engineering

THIS IS THE OPEN HAND THAT IS AGAINST THE NATURE OF THE FATHER.
THE REST OF MY COUNTRY'S FARMER DOES NOT WANT TO ALWAYS GIVE.

Akshil Mangroliya
17SE02IT029
Information Technology

Dhruvin Vadaliya
19SE02IT069
Information Technology

Who's the First to Answer?

Burning Rope Timer Puzzle

A man has two ropes of varying thickness (Those two ropes are not identical, they are neither of the same density nor the same length nor the same width). Each rope burns in 60 minutes. He actually wants to measure 45 mins. How can he measure 45 mins using only these two ropes.

He can't cut the one rope in half because the ropes are non-homogeneous and he can't be sure how long will it burn?

Send your answer on techvrutam@ppsu.ac.in at the earliest.

The first person to give correct answer will be declared in the January 2020 issue.

Invitation for Content

The students and staff members are cordially invited to contribute with the content for the upcoming issue of **"Techवतृम्"-** *A Quarterly Institute E-Newsletter* to be published in **January 2020**. Kindly contribute as per the categories mentioned below.

Activities/ 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
- ❖ Creative Painting
- ❖ Original Poem/ Story writing
- ❖ Photography Corner
- ❖ Other Forms of design (web site, art and craft)

Innovation Corner

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

Faculty Thinks...

Short Motivational/ Inspirational/ Informative/ Intellectual articles

Students Thinks...

Anecdotes/ Experiences/ Observations/ Motivational messages

Kindly submit work/content as per the below guidelines:
- ❖ Submit your work on **techvrutam@ppsu.ac.in**.
- ❖ Deadline: **December 20, 2019**.
- ❖ It is mandatory for students to mention name, enrolment number, Branch, Contact number, and soft copy of passport size photo in their submitted work.

Submission does not confirm publication. Submitted content will be reviewed by the committee for final publication.

For queries, kindly contact to:
Dr. Gaurav Thakarar & Ms. Meera Patel, Assistant Professors, PPSSoE