P P SAVANI UNIVERSITY | School of Engineering

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January 2020

Encrypting the journey of Academic Excellence…

P P SAVANI
U N I V E R S I T Y

School of
Engineering

wishes you

HAPPY NEW YEAR

2020

"Be at war with your vices, at peace with your neighbors, and let every new year find you a better man."

—by Benjamin Franklin

Eminent Experts @ SoE

Dr. **Pankaj Gandhi**, Head, R & D, M/S Shahjanand Laser Technologies Ltd. delivered an expert lecture on 'Introduction to SSIP: Ideation & Design Thinking' to the students of Chemical, Mechanical and Civil Engineering on December 12, 2019.

Dr. **Guarang Panchal**, Lead Security Analyst, Siemens Technology & Services Ltd., Bangaluru, delivered a Master Session on 'Current Trends in Cyber Security' to the faculties and students of School of Engineering on December 30, 2019.

Industry-Academia Interaction

Chemical Engineering Departement of PPSU SOE hosted a picnic lunch of IIChE annual family picnic at our campus on December 29, 2019 (Sunday). The visit started with a campus tour followed by lunch and fun activities.

Faculty Achievement

- ❖ **Dr. Gaurav Thakarar** was invited as a Judge for "Presentations on Recent Technologies for Disability" on World Disability Day celebrated on December 06, 2019.

- ❖ **Ms. Meera Patel** was invited as a Judge for "Rangoli Competition" on World Disability Day celebrated on December 06, 2019.

- ❖ **Mr. Deven Ramani** delivered an expert talk on "Introduction to MATLAB" to the M.Sc. Mathematics students at Uka Tarsadia University on December 19, 2019.

- ❖ **Mr. Deven Ramani** was invited as judge for poster presentation competition at Uka Tarsadia University on December 19, 2019

Research Erudite

- ❖ **Dr. Gaurav Thakarar** presented a paper entitled *"Teaching English Language through Literature"* in National Conference on Existing Important Aspects in the World of Literature and other at D H Kabariya Arts Mahila College, Amreli on October 06, 2019

- ❖ **Mr. Chandresh B. Kumbhani** presented two research papers along with co-authors in international conference on precision, meso, micro & Nano engineering (Copen-11) held at IIT, Indore during October 12-14, 2019 entitled *"Fabrication and Tensile Testing of Jute and Flax Fiber Reinforced Composites Using VARTM Process"* and *"Experimental and simulation study on tensile behaviour of FDM printed part"*.

- ❖ Ms. Nafisa Shaikh represented the poster on *"Effect of Kaolinite clay and different sand gradation mixture on Compaction parameters"* at IGC 2019.

Inter Collegiate Cricket Tournament 2019-20

SoE boys' team was the Champions in the University Level Tournament and awarded with the Trophy. The team defeated 07 teams during the journey of Championship.

SoE girls' team was the Champions in the University Level Tournament and awarded with the Trophy. The team defeated 07 teams during the journey of Championship.

Inter Collegiate Tug of War Tournament 2019-20

School of Engineering Boys' Team was the champions in the University Level tournament 2019-20.

Khelaiya 2K19 – a PPSU Garba Fest

P P Savani University organized Khelaiya 2K19 for the students and faculty members of the University on October 12, 2019. Faculty members and Students of SoE, not only participated with enthusiasm but also were winners and runners up in Best Action and Best Dress Competition.

Students' Alley

Soul of a Mother

Long back when I was born
I was held into my mother's arms
A person in whose eyes
I saw love, light, power, danger & mystery.
The first face I saw in the strange globe and thought, that if god is real
Then a mother, is his/her incarnation.
There's no definition for love
But you see her face
And a wide smile comes on yours.
And in that moment
Both of you staring at each other
Thinking there is only one soul
Whose love will be pure
A Circle of love, unending...
Always joint and infinite.
One which, No one can slash apart.

Meet Vasani
18SE02CE049
Computer Engineering

NAARI

लड़कियों को हमेशा बांध कर रखो
और ऐसा सोचने वालो कर टांग कर रखो

लड़कियों को माल कहने वाले लोग
लड़किया माल नहीं मान होती हैं

लड़कियों को सामान कहने वाले लोग
लड़किया सामान नहीं सन्मान होती हैं

लोग कहते हैं लड़किया रंडती रहेती हैं
पर लड़कियों की ताकत अभी आपने देखि नहीं हैं

औरत को हर वक़्त कम अकल का ताना देने वाले लोग
उनकी जरा सी अदा पर अपनी अकल खो देते हैं

Ruchita A. Bhadani
17SE02IT007
Information Technology

Hey, Sweet girls

Be a Girl with a mind,
Be a Woman with attitude
Be a Lady with class,
Be positive and rock the situation ,
Be a classy and fabulous,
And always think that,
Anything a man can do, I can do.
Do whatever you want to do,
Don't think about society and don't afraid,
Power is not given to you,
You have to take it.

Faculty thinks

Dr. Ashish Jani
Associate Professor
Department of Computer & IT Engineering

Education 4.0

Industry 4.0 is enabling the workforce and machine to align to explore new possibilities taking energies from digital information and communication technologies spanning over Artificial Intelligence, Internet of Things, Big Data and Cloud infrastructure and services.

This requires workforce with required skills and knowledge exposure to work efficiently with emerging technologies in well-structured collaborative manner. This revolution is transforming existing jobs in to new job roles and generation of future jobs with different roles then existing ones.

This transformation is possible if and only if the existing education industry adopts a revolution with a paradigm shift from personalized blue print. This new system of Education 4.0 to cater needs of Industry 4.0.

Recent trends in this evolution of learning:
Remote Learning
Education 4.0 will enable Remote Learning, so the learner can learn anytime, anywhere with the help of e-learning. The role of classrooms will change wherein theoretical knowledge and practical or experiential knowledge will be imparted in the classroom. So learner can developed skills and ability to solve problem.

Personalized Learning
Education 4.0 will also enable personalized learning for students depending on their capabilities and interest. So that above average students will be challenged with tasks that are difficult as compared to students who are below average. In this type of learning will be individual learning processes for each student. This will have a positive impact as it will enable students to learn at their pace. This will helpful for learner in a better understanding of the concepts and an overall better result. It will also help teachers to identify the strengths and weaknesses of each student individually and guide them accordingly.

Project-based Learning
Learner needs to adapt to project-based learning and problem based learning. This kind of approach will their skills and learn how to apply knowledge to solve problem. Our existing education system is only giving them understanding of few concepts but not developing their skills to solve any problem Thus, students should be acquainted with project-based learning during school education and higher education.

Changes in Exam Pattern and Assessment
The existing education system, wherein students memorize the information given and write down their exams, will not be the trend anymore. Here, we need to understand that a traditional Q&A or subjective writing examination may not suffice the needs of future talent requirements.

This means that the assessments, as part of Education 4.0, will not be solely based on the current examination system. It will be done by continuous analysing their learning through practical and experiential and projects-based learning.

Education 4.0 will change the teaching-learning methodologies to make the learner industry 4.0 ready. It is time to change our existing education system, So Faculties and students come to gather to make a difference, so that we can move towards a knowledge-driven and future-ready world.

PPSU T-Shirt Day – a new Beginning @ SoE

P P Savani School of Engineering has become the first institute to observe "Mandatory PPSU T-Shirt Day" on every Tuesday and Friday with effect from December 31, 2019. To inaugurate the same, students did morning prayer symbolizing the unity and strength of 'PPSU SOE".

Nature @ Students' eye

Jay Thakkar
17SE02CE059
Computer Engineering

Virajkumar Tada, 19SE02IT064, IT Engineering

Ayush Dodia, 17SE02IT013, Information Technology

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ACROSS

1. Substance in tonic water (7)
5. Methodical ceremonious (6)
9. Strong in quality (7)
10. 1940s trio of singing sisters (7)
11. Shaft of light (3)
12. Style of poem (5)
13. North Atlantic country (7)
14. Beard of barley (3)
15. Air passage near the septum (7)
17. Meaning, nub (4)
21. Albert _ _ _ _, London building (4)
24. Costly ornamental buildings (7)
27. Time past (3)
28. Fish with both eyes on the same side of its head (7)
29. West Indian republic capital Port-au-Prince (5)
30. 2012 Mark Wahlberg comedy film (3)
31. Red wine produced in Tuscany (7)
32. Establish (7)
33. Deduction from a bill (6)
34. Harlech's Welsh county (7)

DOWN

1. Person who helps the enemy (8)
2. Premium paid on borrowed money (8)
3. Greek architectural style (5)
4. Immortal (7)
5. Stripping the skin from (7)
6. Set right (7)
7. Number of years between people (3, 3)
8. Words spoken by an actor directly to the audience (5)
16. Under the weather (3)
18. Bride's pledge (1, 2)
19. Be a powerful or conclusive factor {against} (8)
20. Aided (8)
22. Country on the Balkan peninsula (7)
23. Criss-cross pattern (7)
24. Pleating, creasing (7)
25. One of the Marx Brothers (5)
26. Gate for regulating water flow (6)
29. Glad (5)