



**P P SAVANI**  
UNIVERSITY

School of  
**Engineering**



## Highlights of the Issue...

- ❖ Academics @ SoE..... 01
- ❖ Community Services @ SoE..... 02
- ❖ Student's Achievements..... 02
- ❖ Hall of Academic Excellence..... 03
- ❖ Research Erudite..... 05
- ❖ New Arrivals (Faculty)..... 06
- ❖ Students' Alley..... 08
- ❖ Faculty Thinks..... 09
- ❖ Nature through Engineer's Eye..... 10
- ❖ Winner of the contest..... 10

July 2019

*Encrypting the journey of  
Academic Excellence....*



## Academics @ SoE

### CCDAP @ SoE

Department of Computer Engineering and Information Technology conducted a five days Certificate Course on 'Data Analysis with Python' (CCDAP) during June 3 - 7, 2019. The course was coordinated by Dr. Ashish Jani, Associate Professor, SoE. Total 11 students registered and got benefit from the course which included SoE students, an industry person, faculty from Auro university and a student pursuing master's degree. The course helped learners to learn different concept related to data analytics and various tools and algorithms for real life application. Machine learning was also introduced to the students.



### Eminent Expert @ SoE

Mr. Vikash Fernandis, Process Engineer, BASF, Dahej delivered an expert talk to 4<sup>th</sup> semester Chemical Engineering students on "Importance of Unit Operations in Chemical Industries" on April 13, 2019.



### Industrial Exposure @ SoE



4<sup>th</sup> Semester Chemical Engineering students visited Shree Jayshree Aromatics Pvt Ltd, Ankleshwar on April 18, 2019.



4<sup>th</sup> Semester Computer Engineering, Information Technology and 2<sup>nd</sup> semester B.Sc. IT students visited ISRO, Ahmedabad on April 13, 2019.



### Exhibition @ SoE

An exhibition on 'working model cum prototype making' was organized on April 18, 2019 by the 4<sup>th</sup> semester students of Chemical Engineering. It was a part of their continuous evaluation. The objective of this model making activity was to make the student aware about the application of theoretical knowledge on practical base. The students prepared the various models like cooling tower, humidification tower, water cooler, Air cooler, distillation unit, crystallization of salicylic acid and sugar, mechanically draft dryer, water purification unit, tessler tower, laboratory scale chromatography method etc. and kept for exhibition. PPSU faculties and students visited the exhibition.



## Community Service @ SoE

### Activities under Unnat Bharat Abhiyan (UBA)

Mr. Jigesh Mehta, Assistant Professor, SoE is coordinating Unnat Bharat Abhiyan at university level. Here is the glimpse of activities organized under the banner of UBA:



### World Yoga Day

Students of PPSU along with the students of SoE conducted yoga session at Mahuvej, Hathuran and Nandav villages on June 21, 2019

### Medical Camp

Free medical health check-up camp was organized at government school, Mahuvej Total 170 students of intermediate level were the beneficiaries of the camp.

## Students' Achievements



### Gujarat Industrial Hackathon 2019

Two teams from 4th semester Computer Engineering department participated in Gujarat Industrial Hackathon organized by Government of Gujarat to ignite innovation and to promote start-up for students. 700 + teams participated in the event across Gujarat. Both the teams got selected after winning Regional Level to represent at Grand final held on 6th and 7th of April 2019 at Pandit Deendayal Petroleum University. Students experienced true industrial exposure under direct mentorship of Industrial Jury, solving 120 + problems.




### Software Module

Mahek Vasoya, Jay Thakkar, Chandresh Mania, and Poojan Sutariya from Computer Engineering 5<sup>th</sup> semester submitted the software module "Face Detection and Recognition". The Software module was designed and developed to be applied for Real-time mode of detection and recognition of a face with liveliness under the guidance Dr. Ashish Jani to the Company Green Cloud iSoft Pvt. Ltd, Gandhinagar. Mr. Piyush Yadav, MD of appreciated the project and announced Rs. 10,000 rewards for the students in the presences of Dr. Niraj Shah. Students are working of 2<sup>nd</sup> phase of project.



## Hall of Academic Excellence

### B. Tech./ B. Sc. (IT) Semester II (Academic Year 2018-19)

Name	Enrolment No	Program (Branch)	SGPA
 Prit Panseriya	18SE02CV007	B. Tech (Civil)	8.22
 Kashyap Pandya	18SE02ME002	B. Tech (Mechanical)	7.74
 Pinak Dhaduk	18SE02ME003	B. Tech (Mechanical)	7.74
 Ravi Kachhadiya	18SE02CH018	B. Tech (Chemical)	9.35
 Vandana Mourya	18SE02CE029	B. Tech (Computer)	9.65
 Harshit Vavaiya	18SE02IT060	B. Tech (IT)	9.09
 Brijesh Kuvadiya	18SS02IT046	B. Sc (IT)	9.79



**B. Tech./ B. Sc. (IT) Semester IV (Academic Year 2018-19)**

Name	Enrolment No	Program (Branch)	SGPA
 Chandani Gohil	17SE02CV003	B. Tech (Civil)	9.78
 Anmol Patel	17SE02ME012	B. Tech (Mechanical)	9.22
 Abhi Darshandiya	17SE02CH013	B. Tech (Chemical)	8.89
 Chandresh Maniya	17SE02CE035	B. Tech (Computer)	9.04
 Mihir Jasani	17SE02IT018	B. Tech (IT)	9.12



## Research Erudite

**Ms. Reshma Lakhani** from Computer Engineering attended 6 days STTP on "Block Chain and its Applications" at BVM Engineering college, Vallabh Vidyanagar during June 10-15, 2019.

**Mr. Ravirajsinh Chauhan** delivered an expert talk on "Secure Software Development by Digital Signature" at Parul University on March 18, 2019.

**Mr. Abhishek Sevwala** served as paper reviewer for "Parul international Conference on Engineering & Technology (PiCET-2019): Smart Engineering".

**Mr. Abhishek Sevwala** served as an expert for the subject (040130209)- Mini Project (PRACTICAL) at the M. Tech S.E. (Civil) examination of Summer 2019. UTU/Ex2/Summer 2019/4886/2018-19 at Uka Tarsadia University, Maliba Campus, Tarsadi.

**Mr. Hardik Majiwala** attended workshop on 'Advances in the Aerospace Research AR&DB-ARP 2019' during 11-12 February 2019, at SVNIT.

**Mr. Amir Patel** has published a paper titled 'Influence of Vehicle Fuel Economy Technology in Automobile on Driving Behavior of Maruti Suzuki Baleno Users in South Gujarat Region' in international Journal of Research and Analytical Reviews with E ISSN no. - 2348 – 1269, and P ISSN no.- 2349 – 5138, Volume 6, issue 1.

**Mr. Jigesh Mehta & Ms. Sofia Ahmed** published a paper titled 'Improvement of Permeate Flux by Laboratory Scale Techniques in Membrane Separation Processes' in Journal of Modern Chemistry & Chemical Technology having E ISSN no.- 2229-6999 & P ISSN no. – 2321-5208, Volume 10, issue 1.

**Mr. Jigesh Mehta, Ms. Tejal Patel, and Mr. Kaushik Nath** published a paper titled 'Investigating Study on flux Enhancement Techniques in a Nanofiltration Pilot Plant: An Experimental Overview' in International Journal of Chemistry Separation Technology, Volume 4, issue 2.

**Dr. Gaurav Thakarar** published a paper titled 'Soft skill training to engineering students: An approach matters more than the syllabus- A study P P Savani University Model' in UGC approved journal Sodh, Samiksha aur Mulyankan having E ISSN no.- 2320-5474 & P ISSN no. – 0974-2832, in May issue.

**Mr. Deven Ramani, Mr. Hardik Majiwala & Mr. Divyang Gor** published a paper titled 'Obstacles and improvements in mathematics teaching for engineering students – "a review' in UGC approved journal of Technologies and Innovative Research having ISSN 2349-5162 in volume 6, issue 4.

**Ms. Meera Patel & Dr. Purnima Mehta** published a paper titled 'Enhancing English speaking skills of second language learners' in UGC approved journal of Technologies and Innovative Research having ISSN 2349-5162 in volume 6, issue 4.

**Ms. Payal Bhatt & Ms. Meera Patel** published a paper titled 'Blended learning: An innovative approach for ESL learners' in UGC approved journal Sodh, Samiksha aur Mulyankan having E ISSN no.- 2320-5474 & P ISSN no. – 0974-2832, in May issue.



Mr. Abhishek Sevwala, Mr. Aniruddha Tangirala, Mr. Bhavesh Mangukiya, Mr. Hilaykumar Prajapati published a paper titled 'Microstructural changes in Concrete at Elevated Temperatures- A Review' having e-ISSN: 2455-2585 in International Journal of Technical Innovation in Modern Engineering & Science in volume 5, issue 5.

Mr. Aniruddha Tangirala, Mr. Abhishek Sevwala, Mr. Kisan Misikin, Mr. Kishan Kalariya published a paper titled 'Influence of Graphene Oxide on Cementitious Composites – A Review' in International Journal of Technical Innovation in Modern Engineering & Science having e-ISSN: 2455-2585 in volume 5, issue 5.

Mr. Paresh Mistry published a paper titled 'Using a Concept of Big Data for effective implementation of Mission "Housing for All by 2022" ' in nternational Journal of Technical Innovation in Modern Engineering & Science in volume 5, issue 5.



Mr. Hardik Majiwala published a paper titled 'Lean and Industry 4.0 Strive to Create Smart Factory through Integration of Systems: An Exploratory Review' in Springer AISC Series May 2019.

Mr. Hardik Majiwala published two papers titled 'Prerequisite of Linguistic Competence for Engineering Students – A Statistical Logarithm' & 'Obstacles and Improvements in Mathematics Teaching for Engineering Students – A Review' in Emerging Technologies and Innovative Research in Volume 3 & 6 respectively in April 2019.

Ms. Neha Shah published a paper titled 'An overview of Blockchain Technology and utilization of blockchain for transformation in India' in International Journal of Technical Innovation in Modern Engineering & Science with E ISSN no. 2455-2585 in April 2019.

Ms. Nafisa Shaikh published a paper titled 'Effect of Industrial Waste Water Contamination on Geotechnical Properties of Soil' in International Journal of Technical Innovation in Modern Engineering & Science having E ISSN no. 2455-2585 in volume 5, Issue 3, March 2019.

## New Arrivals @ SoE (Faculty Members)

	<b>Mr. Deepak Kumar Haritwal</b>
	M. Tech, B. Tech.
	Assistant professor
	Civil Engineering
	Area of Interest: Soil Mechanics, Building Material, Reinforced Concrete Structures, and Highway Engineering
	<b>Mr. Chandreshkumar Kumbhani</b>
	M.T ech, B. E.
	Assistant Professor
	Mechanical Engineering
	Area of Interest: composite material, additive manufacturing, welding, modern manufacturing processes, heat exchanger and material science.



	<b>Mr. Jignesh Joshi</b>
	M. Tech, B. E..
	Assistant Professor
	Computer Engineering
	Area of Interest: Data Structures and algorithms, Theoretical Computer Science, Design and Analysis of Algorithm, Information Security and Wireless Sensor Network.
	<b>Ms. Aarti Patel</b>
	M.E, B. E.
	Assistant Professor
	Computer Engineering /IT
Area of Interest: Image Processing and Security	
	<b>Mr. Niral Desai</b>
	Integrated M.Sc.
	Assistant Professor
	Department of Science and Humanities
	Area of Interest: Cryogenics and Nanoscience
	<b>Dr. Bhumika G. Choksi</b>
	Ph. D, M. Phil, M. Sc, B. Sc.
	Assistant Professor
	Department of Science & Humanities
	Area of Interest: fluid flow through porous media, Partial difference equation, Integral transform
	<b>Mr. Vijay Kumar Saw</b>
	M. Sc., B. Sc.
	Assistant Professor
	Department of Science & Humanities
	Area of Interest: Fractional Differential Equations, Numerical Analysis, and Mathematical Modelling.





## Students' Alley

### Tribute to Takshashila Victims

“હતા જે એક સમયે,  
એના મા-બાપ ના આંખોના તારા,  
એ આજે આ નીલ ગગનના તારા બનીને રહી ગયા,

હસાવતા હતા જે એક સમયે,  
એના નાટકીથી એના મા-બાપને,  
એ આજે જતા-જતા હજારો-લાખો લોકોને રડાવી ગયા,

હતા જેના સપના એક સમયે એવા,  
કે યૂમીલે આસમાન ના શિખરો જે,  
એ આજે લોકોના સપના મા આવતા થઈ ગયા,

સળગાવતા હતા જે એક સમયે ,  
દિવાળી પર ફટાકડા અનેક,  
એ આજે અનેકોની ભીડ વચ્ચે પોતે જ સળગીને રહી ગયા,

જતા જતા બહુ તો નહી પણ,  
એટલું જ કહેતા ગયા કે,  
શહીદો તો દેશ માટે જિંદગી આપે છે,  
પણ અમે કોના માટે આપી છે આ અમારી અમૂલ્ય જિંદગી !

શું જગાડવા જ આપી છે અમે અમારી જિંદગી,  
આ સૂતેલા એ અધિકારીઓને  
કે પછી  
સૂતેલા એ નેતાઓને ?

બીજું તો કંઈ નઈ પણ,  
એટલું જરૂર કરીશું જઈને અમે,  
ઉભો રાખીશું તમારા એ ભગવાન ને પણ,  
અમે અમારી નિષ્પક્ષ ન્યાયાલય મા ,  
અને પૂછીશું એટલું જ જરૂર કે,  
શા માટે લીધો તે શ્વાસ અમારો,  
અને  
કર્યા અમારા મા-બાપ ને બાળકો વિહોણા તે,  
અને  
તુ તો છો કરતા ઘરતા આ અખિલ બ્રહ્માંડનો,  
જો માનતો હોય તુ જાતને પોતાની ભગવાન,  
તો આપીને બતાવ સજા અમારા એ ગુનેગારોને,

પૂછતા હતા એક સમયે જે મા-બાપને એના,  
કે કોણ છે આ ભગવાન,  
એ આજે પોતે જ ભગવાનને સવાલ કરતા થઈ ગયા....”



**Mihir Jasani**  
17SE02IT018  
Information Technology  
Semester V



## Faculty Thinks...



**Mr. Abhishek Sevwala**  
Assistant Professor  
Civil Engineering

### A Key of Happiness

Problems are constant in life. When you solve your health problem by buying a gym membership, you create new problems, like having to get up early to get to the gym on time, sweating like a meth-head for thirty minutes on an elliptical, and then getting showered and changed for work so you don't stink up the at workplace. Problems never stop; they merely get exchanged and/or upgraded to another one.

Our culture today is obsessively focused on unrealistically positive expectations: Be happier. Be healthier. Be the best, better than the rest. Be smarter, faster, richer, sexier, more popular, more productive, more envied, and more admired. Be perfect and amazing and crap out twelve-karat-gold nuggets before breakfast each morning while kissing your selfie-ready spouse and two and a half kids goodbye. Then fly your helicopter to your wonderfully fulfilling job, where you spend your days doing incredibly meaningful work that's likely to save the planet one day. These are all unrealistic and imaginary desire cannot be achieved by so hard struggle and lots of pain. A desire to achieve all this creates many problems. It's a just a side product of excessive hard work. Don't hope for a life without problems. Happiness comes from solving problems. The key of Happiness is "Solving".

"If you're stuck on a problem, don't sit there and think about it; just start working on it. Even if you don't know what you're doing, the simple act of working on it will eventually cause the right ideas to show up in your head." Happiness is a constant work-in-progress, because solving problem is a constant work-in-progress, the solutions to today's problem will lay the foundation for tomorrow's problems, and so on. The happiness occurs only when you find the problem and you enjoy having and enjoy solving.

"You will never be happy if you continue to search for what happiness consists of. You will never live if you are looking for the meaning of life." -Albert Camus

Everybody enjoys what feels good. Everyone wants to live a carefree, happy, and easy life, to fall in love and have amazing relationships, to look perfect and make money and be popular and well-respected and admired and a total baller to the point that people part like the Red Sea when they walk into the room. Everybody wants that. It's easy to want that. A more interesting question, a question that most people never consider, is, "What pain do you want in your life? What are you willing to struggle for?" Because that seems to be a greater determinant of how our lives turn out.

A summary part From - Mark Manson, The Subtle Art of Not Giving a F\*ck: A Counterintuitive Approach to Living a Good Life



## Nature @ Engineer's Eye



**Pal Kagrecha**  
17SE02CE23  
Computer Engineering  
Semester: V

**Winner of 'Who's first to answer?' (April Issue)**

*Congratulations*



**Denish Moradiya**  
Computer Engineering  
17SE02CE039  
Semester V



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**P P Savani School of Engineering**

P P Savani University Campus, NH 8, GETCO, Near Biltech,

Village: Dhamdod, Kosamba, Dist.: Surat – 394125 | Web site: [www.ppsu.ac.in](http://www.ppsu.ac.in)