



MIRROR

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MESSAGE FROM THE DIRECTOR

The effects of technological advancement are both positive and negative. Positively, technology advancement has simplified the way we do things, it saves time, it increases on production, it simplifies communication, it has improved health care and it has also improved our educational environment. Negatively, technology advancement has made humans so lazy, technology users are so dependent on new advance tech tools, this laziness has resulted into less innovation, it has increased on health risks because technology users exercise less, it has affected the environment because of the increase pollution which has affected the Ozone layers which has resulted into global warming. When it comes to education, students are more dependent on calculators and computers to solve simple equations.

We seek to prepare our young students with very best preparation for life at School of Technology, PDPU. We also seek to instill in our students a passion for learning that will bring knowledge and understanding required for a positive contribution to the society. Most of the recruiters look for candidates who can apply the knowledge they gained from education. Companies look for articulation, the ability to solve problems and analytical skills. We try to inculcate these abilities in our students.

PDPU has always worked to provide a world class education which has proved to be challenging. The university today has metamorphosed into a preeminent institution with significant national and international visibility.

I take this opportunity to congratulate the editorial team for bringing out this newsletter, which in itself is an achievement considering the effort and time required. May all our students soar high in uncharted skies and bring glory to the world and their profession with the wings of education.



Dr. T.P. Singh
Director
School of Technology

PDPU'S ACHIEVEMENT

GPCB empanels PDPU as Scheduled I Environmental Auditor

Based on the technical expertise of the faculty members and the excellent instrumental facilities, the Environmental Audit Team of School of Technology, PDPU has received the recognition of Scheduled I Environmental Auditor from Gujarat Pollution Control Board, Gandhinagar. The team is lead by Dr. Anurag Kandya from Environmental Engg, SOT, PDPU and Dr. Manish Sinha, Dr. Manoj Pandey and Dr. Rajib Bandyopadhyay are its members.

2nd International Conference on Chemical Industry (ICCI-2017) at PDPU, Gandhinagar

The Industry, academia and the policy makers unanimously agreed on the need of bringing product and process innovation, cost management and making available skill workforce to make the local industry globally competitive.



Releasing the Abstract volume and proceedings of the conference:

(L->R) Dr. Sukanta Dash, Faculty, Dept. of Chemical Engg., PDPU; Prof. T. Kishen Kumar Reddy, DG, PDPU; Prof. Sankar Bhattacharya; Head Chemical Engg., Monash University, Australia; Mrs. Mamta Verma, IAS, Industries Commissioner Govt. of Gujarat; Dr. Jaimin Vasa, President, (GCA) Mr. Ashish Soparkar, MD, Meghmani Organics Ltd, Mr. Samir Patel, MD, Amos Enterprisers; Prof. H.B Raghavendra, Director, School of Technology, PDPU.

The Annual Symposium: Concentric'17-“Latest Trends & Innovations in the Civil Industry”

Held on 21st March 2017 PDPU was glorified by the presence of our prestigious guests: Mr. Raghu Honawar- Managing Partner, GNF International; Ms. Jumur Pandya, Ms. Sweta Joshi - Algaari Ventures, Mr. Guruprakash Iyer, GM, GNF Internationals, Mr. Sandeep Sharma, MEGA, Mr. Rajeev Ranjan, Zydus Cadila, Ms. Neha Upadhyay, AMC, Ms. Shubhangi Jain, Mr. Vishal Patel, Notion Associates.

WORKSHOPS/ VISITS

A 3-day “**Simulator training workshop on process dynamics and control**” was organized by Department of Chemical Engineering, School of Technology, PDPU.

Dignitaries gracing the occasion:

Mr. A. S. William Hazlit (Technical Team lead, SIM Infosystems, Chennai, India).

Mr. Ashwin Nirmal (Sr. Chemical Engineer, SIM Infosystems, Chennai, India).

Dr. Pravin Kodgire (Head, Chemical Engineering Department, SOT, PDPU).

The objective of the program is to have an enhanced learning session for the students on virtual control of the industrial complex process operations through digital process simulator.



Urban Environmental Challenges

A 3 day National workshop from 5th to 7th October was conducted by Dept. of Civil Engineering, SOT.

CSI-Student Branch at PDPU

Inaugurated on 2nd September 2017. Dr. Viral Nagori, Mr. Niraj Shah (Hon. Treasurer of CSI-Ahmedabad Chapter) handed over the plaque of CSI-Institutional Accreditation to the member of PDPU and later briefed the gathering about the advantages and benefit of CSI and also insisted to become a professional member or life member after the student tenure is over.

FACULTY ZONE

* **Dr. Anurag Mudgal** received a Royal Academy of Engineering award grant (NRCP/1415/189) and an opportunity to do a collaborative research work at Aston University, Birmingham, UK.

* **Dr. Abhijit Ray** received the fellowship from Science and Technological Research Foundation of Japan (2015-16) for carrying research at Nagoya Institute of Technology for 8 months

* **Dr. Vimal Savsani** received post doctoral fellowship of \$22000 from 'The Natural Sciences and Engineering Research Council' of Canada (NSERC).

* **Dr. Poonam Savsani** received post doctoral fellowship of \$10000 from 'The Natural Sciences and Engineering Research Council' of Canada

* **Ms. Kavita Pandey**, Dept. of Solar Energy, selected for Newton Bhava PhD scholarship at Oxford University, UK

* **Dr. Debasis Sarkar** received Best Paper Award at 18th International Conference on Civil, Architectural, Structural and Constructional Engineering, Amsterdam Netherlands, August, 2016 by World Academy of Science Engineering & Technology

* **Dr. Swapnil Dharaskar** received Best Paper Award in International Conference CHEMCON-2016, 27-30 Dec 2016, Chennai, and, was conferred the Innovative Academic Research Award for outstanding contribution in specialization in field of Ionic Liquids conferred by Society of Professional Engineering (Engineering Today) Kuala Lumpur, Malaysia

* **Dr. J. G. Jamnani** received Best Paper Presentation Award at 3rd International conference on Power & Energy Systems Engineering, CPESE 2016, Kitakyushu, Japan

* **Dr. Vimal Savsani** developed an 'effective optimization technique called 'Teaching Learning Based optimization' (citation 801).

* **Dr. Jay Vora** was selected under INSA visiting scientist fellowship at International Advanced Research Centre of Hyderabad.

* **Dr Manoj Kumar Pandey** was conferred with International Association for Advanced Materials (IAAM) Scientist Medal 2017, for his notable and outstanding contribution in the field of "Advanced Materials Science and Technology" during "International Conference on Nanomaterials and Nanotechnology (ICNANO-2017), 1st – 3rd March 2017 at Allahabad, UP, India.

* **Dr. Nishant Doshi** was selected as a Young Faculty in Engineering by Venus International Faculty Awards – 2017. He also presented a Theme Session on “Internet of Things” at IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI 2017)

INDUSTRY VISIT TO TRANSFORMERS & RECTIFIERS Ltd. - T&P Cell

in coordination with Electrical Engineering Dept. of SOT, PDPU conducted an industrial visit under the industrial orientation program for 3rd year students to T&P (I) Ltd. on 23rd August 2017.

Students were exposed to different types of transformer tanks, various assemblies of core and number to tests performed on the transformer to verify its operation.

3-day workshop on “Application of RS and GIS in water resources management and project management software for infrastructure projects”

Organized by Department of Chemical Engineering, School of Technology, PDPU, 15-17 March 2017.

Dr. Praveen Kumar Gupta, SCI/ENGR-SE, SAC-ISRO, Ahmedabad; Mr. Gautam Dadhich, Research Assistant, SAC-ISRO, Ahmedabad; Mr. Ravikant Tiwari, Mr. Chintan Oza (ESRI India); Ms. Shubhangi Mane (ESRI India); Prof. Ajit Desai, Former Faculty, CEPT, Ahmedabad were the chief guest addressing the workshop with an objective to disburse knowledge about application of RS and GIS in field of civil engineering & application of Primavera & BIM software for project management.

“Innovations in Renewable Technologies For Sustainable Development”- A workshop from 16-18 March,2017 was conducted with an objective to disseminate relevant information on various aspects and current trends in renewable energy technologies for power and heat generation.

* **V.K. Desai**, Tiny-tech industries, India shared his ideas on How to make India Happy?

* **Dr. Suphiya Khan**, Associate Professor, Banasthali University, Rajasthan briefed on “Jojoba(Desert Gold): A possible alternative green fuel”.

STUDENT ACHIEVERS

360 Degrees Techfest (HiTech Solutions) at IIM-Ahmedabad

On 25th January 2017, Under the guidance of Dr. **Anantha Singh** our B.Tech(4th Year) Civil Engineering fellows- **Roopika Nautiyal, Kavish Rathore, Ishant Raj, Brij Shah, Shivangi Uliana** won “Popular Choice Award- Business Plan and Project Presentation in Automation & Innovation” and a cash prize worth 25000/-

“2 India University Challenge Competition”

An International Trade-Fair show organized by German Water, Wastewater and Waste Association(www.dwa.de) and accompanied by the IFAT India on 28th – 30th September 2016; Bombay Exhibition Centre, Mumbai.

Roopika Nautiyal, Kavish Rathore and Ishant Raj made us proud by winning a Runners Up Trophy.

INTERNATIONAL STUDENT ROBOTICS DEMONSTRATION CONTEST

At Robotics based prototype model Contest, 2017 organized by IEEE Industrial Application Society, having Industrial level implications, **Shubham Paranjape, Abhijeetsinh Sodha, Kaustubh Sadekar** made the prototype of the Automated Goods Management System and secured 3rd position. The second and the final round of the competition was held during the IEEE-Industrial Application Society’s Annual Meet at Portland, Oregon, USA for which only three teams have been selected from the first round.

Shell Eco Marathon Asia 2017(16th to 19th March)

A proud moment for all of us, when in Battery Electric Prototype Category at Changi Exhibition Centre, Singapore “**Team Kaizen**” (Nipen Kirsaria, Deep Panchal, Darshan Pabari, Rinkesh Patel, Kaustubh Sadekar, Abhijeet Sodha, Vatsal Shah) achieved 16th rank from total 23 registered teams. Their vehicle covered total 09 laps of 1.19 km each at an average speed of 25 km / h and completed race in second attempt.



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