

**A.D. PATEL INSTITUTE OF TECHNOLOGY
(AFFILIATED TO GUJARAT TECHNOLOGICAL UNIVERSITY)**

NIRMAAN



THE NEWSLETTER: DEPARTMENT OF CIVIL ENGINEERING

“THE BEST CREATOR NEXT TO GOD IS CIVIL ENGINEER”

A. D. PATEL INSTITUTE OF TECHNOLOGY, NEW V V NAGAR- 388121

JUNE 2018 – DECEMBER 2018, ISSUE NO.1

FROM THE DESK OF PRINCIPAL



I am happy to note that the youngest department of the Institute Civil Engineering is coming out with departmental news letter first issue of June 2018- Dec 2018 in Jan 2019. I congratulate the head and all faculty members for the same. This will bring glimpses of the activities which have been carried out by the department, its teachers and plan for the next six months. I am sure with time to come they may plan to have e-issue of the same so that it can

be cost competitive and it could be easily circulated across the state and country. I look forward for its success and continuity.

R K Jain
Principal



FROM THE DESK OF THE HEAD OF DEPARTMENT



I am very happy to bring out the first issue of the Newsletter of Civil Engineering Department of A. D. Patel Institute of Technology. This newsletter outlines various activities that have taken place during the period of July-December, 2018 and the achievements of faculty and students. I appreciate all the team members for their efforts in bringing out this newsletter. Department of Civil Engineering is putting all kind of efforts to ensure the overall progress of the students. Department had organized

various activities like Industrial visits, Quiz competitions, Poster competitions and software trainings during previous semester. Department had also arranged mock interviews, group discussion and guideline sessions for preparations of Aptitude tests.

Department of Civil Engineering is thankful to Principal, Dr. R K Jain and Charutar Vidya Mandal, Vallabh Vidyanagar for providing all kind of facilities and support as and when needed. I wish that this activity of publishing the Newsletter will continue in future and will work as a platform for faculty members and students to show their work.

Dr. Rajiv Bhatt
Head, Civil Engineering Department,
A. D. Patel Institute of Technology.
Email : head.civil@adit.ac.in

MESSAGE FROM EDITORIAL BOARD

As the editor of “NIRMAAN”, first newsletter of Civil Engineering Department, I convey my regards to all the members who supported me for making this happen, especially Deep Godhani (Final Year Student), Krushil Patel (Third Year Student), Princee Soni (Second Year Student) and all the faculty members of Civil Engineering Department. This newsletter mirrors the vision and mission of Civil Engineering Department. It also highlights the events, activities and achievements. I do hope that “NIRMAN” will encourage many more students to come forward and express their talent and creativity. I would like to thank Dr. Rajiv Bhatt (HOD, Civil Engg. Dept) for the continuous motivation, inputs and time to time feedback for the final draft of this newsletter.

Prof. Axay Shah,
Assistant Professor,
Civil Engineering Department,
A. D. Patel Institute of Technology.

Editorial Board Members

Chief Editor	Dr. Rajiv Bhatt, Head & Associate Professor
Editor	Prof. Axay Shah, Assistant Professor
Student Editor	Deep Godhani (Fourth year 150010106017)
Team Members	Krushil Patel, (Third Year 170013106010) Princee Soni (Second Year 170010106047)

ABOUT INSTITUTE

➤ A D Patel Institute of Technology is one of the pioneering institute imparting technical education in the state of Gujarat, India. It is established in the year 2000 and managed by Charutar Vidya Mandal (CVM), one of the leading trust of the nation established in 1948. The institute is located in satellite township of New VallabhVidyanagar having green natural environment and beautiful landscape near educational hub of the state, VallabhVidyanagar and Milk city Anand. Institute offers B.E. courses on Electronics and Communication Engineering, Computer Engineering, Information Technology, Electrical Engineering, Mechanical Engineering, Food Processing Technology, Civil Engineering and Automobile Engineering.

➤ **VISION:**

To add significantly to our enduring civilization tradition of pioneering excellence in learning, knowledge, enlightenment and self-realization in a universally relevant context.

➤ **MISSION:**

We dedicate to the perpetuation of our founders' vision of providing the infrastructure, facilities, operation conditions and overall environment conducive to education of young scholars, along with the desired physical, mental & character building inputs; we firmly renew our commitment to providing value added, globally relevant education with an emphasis on the Techno-Management domain, to ensure that our scholars fruitfully exercise their knowledge, skills & values in the global economy.

➤ **ADIT IS THE FIRST TECHNICAL INSTITUTE IN INDIA TO GET ISO 9001:2015 CERTIFICATE.**

ABOUT CIVIL ENGINEERING DEPARTMENT

- Civil Engineering is one of the oldest branches of engineering and the department provides practical based learning with focus on fundamental teaching of basic courses as per the curriculum of GTU. Department has started B.E. in Civil Engineering from 2011.
- The Department is having highly qualified and experienced faculty members with different specializations. Two faculties are Ph.D., three faculties are pursuing their Ph.D. and rest are with first class Masters in various sub branches of Civil Engineering.

OUR VISION:

- Inculcating creativity for environmentally sustainable Civil Engineering.

OUR MISSION:

- To nurture excellence and promote the growth of learning environment.
- Create state – of – the – art infrastructure to enhance teaching, research and consultancy.
- To facilitate effective interactions among faculty and students and foster networking with alumni, industries, institutions and other stake-holders.

15TH AUGUST 2018 CELEBRATION BY CIVIL DEPT. STUDENTS & STAFF



GROUP PHOTOGRAPH OF FACULTY & STAFF MEMBERS



Seating (L to R): *Prof. B V Patel Prof. D M Yagnik Prof. K R Trivedi Dr. R B Bhatt (HoD) Dr. V N Patel Prof (Ms) D K Bhatt*
Standing (1st Row): *Shri G B Patel Prof. Meet Joshi Prof (Ms) V R Patel Prof A S Shah Prof T F Kauswala Prof (Ms) V Vaghela*
Standing (2nd Row): *Shri Miteshbhai Patel Shri Mineshbhai Patel Shri P C Patel*
Standing (Last Row): *Shri Rambhai Shri Dhanjibhai*

DETAILS OF STAFF MEMBERS

Sr. no	Name	Designation	Qualification	Teaching Experience (yrs)	Industrial Experience (yrs)
1	Dr. Rajiv Bhatt	Head of Department & Associate Professor	M.E. (Construction Engg. & Management), Ph.D. (SVNIT, Surat).	16	11
2	Prof. Kumarpal Trivedi	Associate Professor	M.E (Structural Engg.), Ph.D (pursuing)	21	3
3	Dr. Vatsal Patel	Assistant Professor	M.E. (Structural Engg.), Ph.D (Structural Engg.)	20	5
4	Prof. Darshan Yagnik	Assistant Professor	M.E. (Structural Engg.)	13	-
5	Prof. Drashti Bhatt	Assistant Professor	M.E (Environmental Engg.), Ph.D (Pursuing)	11	-
6	Prof. Bhavin Patel	Assistant Professor	M.E. (Environmental Engg.)	12	3.25
7	Prof. Vaishali Patel	Assistant Professor	M.E (Geotechnical Engg.)	5	10
8	Prof. Tausif Kauswala	Assistant Professor	M.E (Structural Engg.)	8	0.9
9	Prof. Axay Shah	Assistant Professor	M.E (Transportation Engg.) Ph. D (pursuing)	6	-
10	Vandana Vaghela	Adhoc Assistant Professor	M.E. (Infrastructure Engg. & Management)	1	-
11	Meet Joshi	Adhoc Assistant Professor	M.E. (Structural Engg.)	6 months	-
12	Kruti Shah	Adhoc Assistant Professor	M.E. (Environmental Engineering)	1	-
13	Parthiv Patel	Lab Assistant	Diploma Civil	18	4
14	Minesh Patel	Lab Assistant	Diploma Civil	17	4
15	Ghanshyam Patel	Lab Assistant	Diploma Civil	8	12
16	Mitesh Patel	Lab Assistant	Civil Draftsman	6	12

DETAILS OF CO-CURRICULAR ACTIVITIES

Sr. No.	Date	Detail of Event/ Activity	Group of Students	No. of Students Participated	Subject	Faculty Coordinator
1	1/8/18	Expert lecture on GD, Aptitude test and PI	4 th Year	31	-	Prof. Kumarpal Trivedi
2	3/8/18	Visit to Anupam Mission School Building construction site	4 th Year	43	Professional Practice and Valuation	Dr. Rajiv Bhatt
3	3/8/18	Expert lecture on Patent Search	4 th Year	38	-	Prof. Vatsal Patel
4	7/8/18	Group Discussion	4 th Year	23	-	Prof. Kumarpal Trivedi
5	7/8/18	Expert Lecture on Soil Mechanics for Competitive Exams	3 rd Year	36	-	Prof. Kumarpal Trivedi
6	12/9/18	Visit to Narmada Dam, Aqueduct & Power Plant	4 th Year	49	Irrigation Engg.	Prof. Bhavin Patel & Kruti Shah
7	12/9/18	Poster Competition	3 rd Year	43	Soil Mechanics	Prof. Vaishali Patel
8	15/9/18	Video Lecture	2 nd Year	30	Sky Park of Singapore	Vishal Prajapati
9	18/9/18	Poster Competition	3 rd Year	25	Environmental Engineering	Prof. Bhavin Patel & Kruti Shah
10	3/10/18	Expert lecture Shri. Snehal Bhatt, SMPS Consultants, A'bad.	4 th Year	23	Design of Reinforced Concrete Structures	Prof. Vatsal Patel
11	3/10/18	Mock Interview	4 th Year	16	-	Dr. Rajiv Bhatt & Prof. Kumarpal Trivedi
12	3/10/18	Quiz competition	3 rd Year	52	All	Prof Tausif F Kauswala
13	4/10/18	Quiz competition	2 nd Year	52	All	Prof Darshan M Yagnik
14	5/10/18	Quiz competition	4 th Year	57	All	Prof. Axay S Shah
15	5/10/18	Workshop on World Habitat Day	2 nd , 3 rd , 4 th year	104	-	Dr. Rajiv Bhatt & Prof. Bhavin Patel

PHOTO GALLERY



Shri. Snehal Bhatt Expert lecture



Mock Interview for final year students



Visit to Anupam Mission School Building



Construction site visit



Visit to Narmada Dam



Power Plant visit



Building Layout Surveying (second year)



Poster Presentation – Soil Mechanics



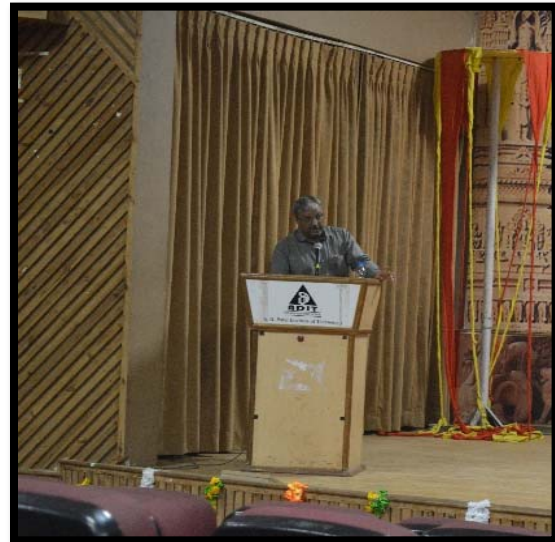
World Habitat Day workshop



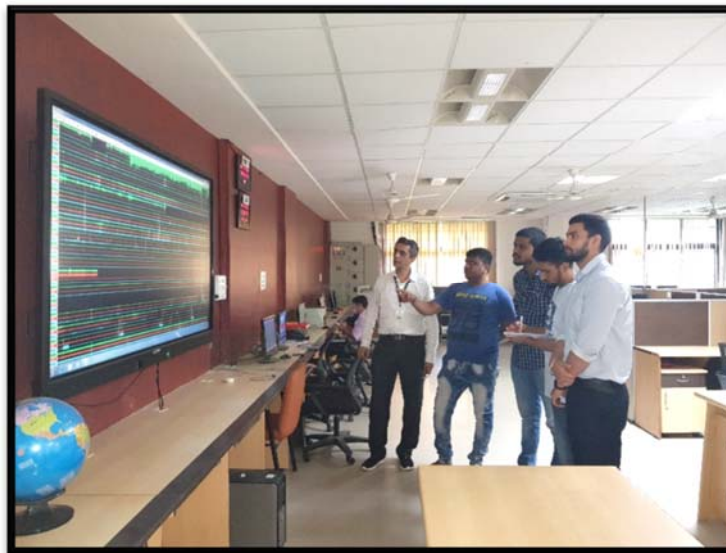
SY students won third prize in poster competition



Dr. Vatsal Patel, Expert Speaker, WHD
Chief Town Planner AMC, Ahmedabad



Dr. Devanshu Pandit, Expert Speaker, WHD
Professor, CEPT University, Ahmedabad.



Visit to Institute of Seismological Research (ISR), Gandhinagar
for Project work of Final year students

FACULTY PARTICIPATION AND ACHIEVEMENTS

<u>Sr. no.</u>	<u>Name of Faculty</u>	<u>Purpose</u>	<u>Details</u>
<u>1</u>	Dr Rajiv Bhatt (Head Of Department)	Expert Lecture	Delivered an expert lecture at BVM during STTP on “Smart and Sustainable Technologies for Infrastructure Development” on 05-12-2018: “Green Buildings – concepts, case studies and energy simulations”
		Expert Lecture	Delivered an expert lecture at BVM during STTP on “Smart and Sustainable Technologies for Infrastructure Development” on 05-12-2018 : “Sustainable construction from waste materials”
<u>2</u>	Prof Kumarpal Trivedi (Associate Professor)	Expert Lecture	Delivered an expert lecture at M. B. Patel Education College on “Apollo-13- A giant leap for mankind” (Astronomy) on 21st July, 2018. (Organized by C C Patel Community science centre)
		Expert Lecture	Delivered an expert lecture on career opportunities as a Civil Engineers to 2nd year students 27/07/2018.
		Expert Lecture	Delivered an expert lecture on “GD, Aptitude test and Personal Interview” to final year students on 1st August, 2018.
<u>3</u>	Dr Vatsal Patel (Assistant Professor)	Paper Publication in Journal	“Use of Alccofine and Fibers in making Concrete- A Review”, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) , Impact Factor: 5.22 (SJIF-2017), e-ISSN: 2455-2585, July 2018 (UGC Journal)
		Paper Publication in Journal	“Study of Durability Properties of Alccofine based Concrete”, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), July 2018 (UGC Journal)
<u>4</u>	Prof Darshan Yagnik (Assistant Professor)	Workshop / Conference	Attended workshop on “World Habitat Day” hosted by ADIT on 5th October 2018
<u>5</u>	Prof Bhavin Patel (Assistant Professor)	Expert Lecture	Delivered an expert lecture at Vidyanagar Nagar Palika on “Plastic Waste – As current Environmental Issue” on 6th June’ 18.
		Expert Lecture	Delivered an expert lecture at WALMI, Anandon “Application of Total Station & GPS in surveying” on 27 th September’ 2018.
<u>6</u>	Prof Vaishali Patel (Assistant Professor)	Paper Publication in Journal	Paper published on “Effect of waste marble powder on index properties of soil”at 2nd international conference “Women in Science & Technology Creating Sustainable Career” on 28-06-2018.
		Workshop / Conference	Presented a Paper on “Effect of waste marble powder on index properties of soil” at 2nd International Conference “Women in Science & Technology Creating Sustainable Career” on 28-06-2018 at BVM.
		Workshop / Conference	Participated in “Enhancing verbal communication of the faculty” on 18 th June to 23 rd June, 2018 at One week training program at ADIT.
<u>7</u>	Prof Tausif Kauswala (Assistant Professor)	Paper Publication in Journal	Paper presented in International Journal of New Technologies in Science and Engineering having an entitled “Experimental Study on Use of Foundry Sand in Paver Blocks” in October -2018

		Workshop / Conference	Participated in workshop on “ World Habitat Day” on 5-10-2018
8	Prof Axay Shah (Assistant Professor)	Workshop / Conference attended	Attended workshop on “World Habitat Day” organized by IE (India) on 5/10/2018.
		Workshop / conference	Participated in “Enhancing verbal communication of the faculty” on 18 th June to 23 rd June, 2018 for One week training program at ADIT.

STUDENTS' ACHIEVEMENTS

➤ Paper publication in journals / conferences:

1. Patel Tanmay (150010106045), Namakwala Hussain (150010106028), Patel Fenil (150010106036), Patel Dhruvang (150010106035) & Kauswala Tausif, “Experimental Study on Use of Foundry Sand in Paver Blocks”, International Journal of New Technologies in Science and Engineering, Vol. 5, Issue 8, October 2018
2. Harsh Gokani (140010106013), Khetesh Akoliya (140010106002), Deepak Davera (140010106006) & Parv Vaghela (140010106060), “Effect of Waste Marble Powder on Index Properties of Expansive Soil”, Journal of Emerging Technologies & innovative research (JETIR), November 2018, ISSN : 2349-5162.

➤ Participation in Activities / Competition: (Technical events, Sports & Cultural)

1. Patel Jay (160010106029), Patel Maitreya (160010106030) and Ambariya Jigar (170013106002) won first prize in Poster Competition held at institute level on Soil Mechanics subject on 12th September 2018.
2. Bathija Divya (160010106005) and Makwana Hina (160010106020) won first prize in Poster Competition held in department on Environmental Engineering subject of fifth semester on 18/09/2018.
3. Shah Harsh (160010106048) won first prize in Quiz Competition held at department level on all subjects of fifth semester on 03/10/2018.
4. Sardarwali Mohammad (170010106055) won first prize in Quiz Competition held for all subjects for third semester at department level on 04/10/2018.
5. Mehta Harshil (150010106026) won first prize in Quiz Competition held for final year students on 05/10/2018.
6. Solanki Khushi (170010106045) participated from GTU in Hockey tournament held for West Zone at LNIPE Institute Gwalior.
7. Patel Parth (160010106033) participated from GTU in Archery tournament held for All India Inter University Competition at KIIT, Bhuvaneshwar.
8. Nirali Chaudhari (150010106030) participated from GTU in Judo Competition held for All India Inter University Competition held at Punjab University, Chnadigadh.
9. Swastik Bhat (150010106003) participated from GTU in Judo Competition held for All India Inter University Competition held at GNDU, Amritsar.
10. Patel Parth (160010106033) participated from GTU in Handball tournament held for West Zone Competition at Solapur University, Maharashtra.

GROUP PHOTOGRAPHS OF STUDENT



4th year Batch



3rd year Batch



2nd year Batch



1st Year Batch

-: END OF REPORT :-