



NIRMAAN

THE NEWSLETTER: DEPARTMENT OF CIVIL ENGINEERING

“EVERY DAY IS AN ADVENTURE, WHEN YOU ARE A CIVIL ENGINEER.”

JULY 2019 – DECEMBER 2019, ISSUE NO.3



PRINCIPAL'S MESSAGE



DR VISHAL SINGH
PRINCIPAL, ADIT

Civil Engineering Department ADIT has been creating a great value for its students, industry and society at large. The members of ADIT Civil Engineering fraternity are contributing to various national and multinational companies in infrastructure, construction and environmental sector passionately. The department has well equipped laboratories with hands on experience. Students have been undertaking challenging projects, industrial training and bringing laurels to the institute. I congratulate the department on bringing out the newsletter which will enable stakeholders to know the achievements of faculty and students of the Civil Engineering Department.

FROM THE DESK OF THE HEAD OF DEPARTMENT



DR RAJIV BHATT
HEAD, CED, ADIT

It gives me immense pleasure to release the third issue of Newsletter of Civil Engineering Department for the period of July to December 2019. We had organized many industrial visits & also executed co-curricular activities like Quiz Competitions. I congratulate all the students and staff members of the department for active participation in all the activities. We look forward to continue this trend in future to achieve the vision of the department and the institute.

MESSAGE FROM EDITORIAL BOARD

We are happy to bring the third issue of Newsletter for Civil Engineering Department. It highlights the activities of our students and the achievements of faculties during the past six months. The intent of NIRMAAN is to disseminate the information about our department. We hope that the readers will find the information useful. We are thankful to all the faculty members of Civil Engineering Department for their valuable inputs. We welcome the suggestions and feedbacks that will help us to improve in future.



Sonu Pandey
(Second Year)



Princee Soni
(Third Year)



Krushil Patel
(Fourth Year)



Prof. Axay Shah
(Assistant Professor)

Editorial Board Members

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Team Members	Princee Soni, (Third Year 170010106047), Sonu Pandey (Second Year 180010106019)

ALUMNI FEEDBACK

RAMVIJAY VARMA (130010106060)

(FIRST IN GTU IN CIVIL ENGG IN 2017 YEAR)



I have graduated from ADIT in the year 2017. I got the job as Structural Designer through the reference of Prof Kumarpal Trivedi. During my work tenure I felt that I want to pursue Masters in Structural Engineering and that's what I am doing right now. I am grateful to be a part of the ADIT community.

Professors of Civil Engineering Department are really helpful and very kind. They are methodical in delivering the subject knowledge and are also concerned about student's career. All the faculties are teaching the subjects very fundamentally and conceptually.

Seminars about placements arranged by Civil Engineering Department helped me to prepare cover letters; CV's and provided me the tips regarding the group discussions and interviews. I have a suggestion which I would like to give to my junior friends that don't worry too much about your career right now. You should participate in placement activities, workshops and seminars. At the last I would like to thank Civil Engineering Department and ADIT.

PARENT TEACHER MEET

Institute had organized a Parent-Teacher Meet for 2nd year, 3rd year & 4th year students on 12th & 13th December 2019. Faculty members have discussed progress of student like mid-semester exam marks, attendance, results of previous semesters, career guidance and co-curricular activities of the department. Feedbacks of parents were also taken for improvement in existing academic system of the department.



DETAILS OF CO-CURRICULAR ACTIVITIES

Sr. No.	Date	Detail of Event/ Activity	Group of Students	No. of Students participated	Subject	Faculty Coordinator
1	02/7/19	GPSC awareness lecture	4 th year	23	Training & Placement	Prof K R Trivedi
2	02/7/19	GPSC awareness lecture	3 rd year	40	Training & Placement	Prof K R Trivedi
3	23/07/19	Visit to Meteorological Dept. – Anand Agricultural University	1 st year	38	Induction Programme	Prof Bhavin Patel
4	13/9/19	One day Workshop on “Hands-on practice using Modern Surveying Instruments”	3 rd year	28	Surveying	Prof Bhavin Patel
5	18/2/19	Construction site visit of AGORA CITY MALL at Vadodara, RMC plant visit	3 rd year	33	Building Construction, Concrete Technology	Prof Tausif Kauswala
6	27/9/19	Narmada Dam, Aqua duct, Statue of Unity visit	4 th year	44	Irrigation Engg	Prof Bhavin Patel
7	27/9/19	Construction site visit - Shakti Infracon Towers site at new V.V.Nagar,	2 nd year	27	Building Construction	Dr Rajiv Bhatt
8	04/10/19	BVM Hostel Building Construction Site Visit	4 th year	40	Professional Practice and Valuation, DRCS	Dr Rajiv Bhatt, Prof Tausif Kauswala, Prof Darshan Yagnik

9	10/10/19	Meteorological Dept. – Anand Agricultural University visit	3 rd year	46	Hydrology & Water Resources Engg	Prof Drashti Bhatt
10	11/10/19	Quiz Competition	4th year	38	All	Prof Axay Shah
11	14/10/19	Quiz Competition	2 nd year	44	All	Prof Tausif Kauswala
12	15/10/19	Quiz Competition	3 rd year	43	All	Prof Darshan Yagnik

CONTRIBUTIONS / ACHIEVEMENTS OF FACULTY

Sr No	Name of Faculty	Purpose	Details
1	Dr Rajiv Bhatt (Head Of Department)	Ph D guidance	Guiding one student for Ph D in Civil Engineering at GTU.
		Co-curricular Activity for Students	Started Buddy activity under “IE (India) Students Chapter Civil Engineering” under which senior students are helping to the junior students in academic and non-academic works.
		Expert Lecture	“Vendor Selection and Material Management” during FDP on Entrepreneurship at ADIT on 17 th Dec 2019.
2	Prof Kumarpal Trivedi (Associate Professor)	Expert Lecture	“Contemporary Technologies & Software in Civil Engineering” at Vadodara Institute of Engineering and Research during a National Seminar on 5 th October 2019.
		Expert lecture	“Solar Eclipse” at various schools of Anand District jointly with Community Science Center, Sardar Patel University V V Nagar.
		FDP attended	A faulty development program on “Creativity problem solving and innovation (CPI)” at Charusat University during 11 th to 23 rd Nov '19.
		Co-curricular activity for Students	A live viewing session to watch “SOLAR ECLIPSE” for more than 600 school and college students on 26 th Dec '19 at ADIT cricket ground jointly with CSC-SPU and GUJCOST.
3	Prof Darshan Yagnik (Assistant Professor)	Contribution at institute level	Time table Committee In charge at Institute level.
4	Prof Drashti Bhatt	Paper Publication in Journal	“Mechanism underlying visible-light photo catalytic activity of Ag/Ag Br : Experiment and Theoretical Approaches,” Journal of Physics and Chemistry Solids (Elsevier) , Dec 2019 , Vol. 135, pp. 109-119

5	Prof Bhavin Patel (Assistant Professor)	Coordinator of Workshop	“Hands – on Practice of Modern Surveying Instruments” under SSIP on 13 th September 2019.
		Coordinator of Workshop	One day workshop on World Habitat Day on “Plastic Waste Management” at ADIT on 5 th Oct 2019.
		Contribution at institute level	Member of Green Audit Cell of CVM
6	Prof Axay Shah (Assistant Professor)	Workshop / Conference Attended	Attended a workshop on “Urban Transportation System” at Changa University on 25 th November to 30 th November 2019.
		Coordinator of Parent-Teacher Meet	A Parent-Teacher meeting for all students was organized by the college during 12/12/2019-13/12/2019 at the respective departments.
7	Prof Tausif Kauswala	Coordinator of Industrial visit	Coordinated Industrial visit of AGORA MALL construction site and RMC plant at Vadodara for 3 rd year students

ACADEMIC ACHIEVEMENTS (2018-19)

SEMESTER: 2

RANK	ENROLLMENT NO	NAME OF STUDENT	SPI
1	180010106014	Keyur Kagathara	7.10
2	180010106026	Khyati Patel	6.60

SEMESTER: 4

RANK	ENROLLMENT NO	NAME OF STUDENT	SPI
1	170010106055	Sardarwali Mohammad	8.76
2	170010106017	Savan Koyani	8.36

SEMESTER: 6

RANK	ENROLLMENT NO	NAME OF STUDENT	SPI
1	160010106050	Darshansinh Sindha	8.27
2	160010106009	Jigyasha Dhanotia	8.07
2	160010106015	Amrita Kartha	8.07

SEMESTER: 8

RANK	ENROLLMENT NO	NAME OF STUDENT	SPI
1	150010106004	Pankti Bhatt	9.07
2	150010106053	Mansi Shah	8.93

STUDENTS' ACHIEVEMENTS

1. Final year students Nisarg Desai, Kirit Gambhava, Bhavya Kripalani and Raj Bhavsar are working on a project titled “Mobile Shelter using Light Gauge Steel Frame for Sustainable Structures” under SSIP scheme under the guidance of Prof Kumarpal Trivedi.
2. Rutvij Soni (170010106048) is working as a head of block office at APC Chhatralaya, V V Nagar.
3. Nisarg Shah (170010106042) has worked as a team leader at International Association of Students in Economic and Commercial Sciences & is promoted as a Director of AISEC on 20th Aug 2019.
4. Hardik Antroliya (160010106003), Divya Bathija (160010106005), Paritosh Bhabhor (160010106006), Kirit Gambhava (160010106011), Amrita Kartha (160010106015), Bhavya Kripalani (160010106018), Tej Parmar (160010106025), Raj Bhavsar (160010106039), Harsh Shah (160010106048), Abdulrazak Zarawala (160010106060), Raj Gandhi (170013106004) and Kunal Messurani (170013106006) took industrial training at Adani Electricity Thermal Power Station at Dahanu from 26th Aug to 31st Aug 2019.
5. Dhyey Patel (180010106025) was member of winner team in CFC football league at Anand on 27th Aug 2019.
6. Nisarg Shah (170010106042) was Event Coordinator of “Women’s Entrepreneurship Development Programme” on 12th Sept 2019 and is also working as a Vice-President of E-cell at ADIT.
7. Rutvij Soni (170010106048) was Coordinator of workshop on “Modern Surveying Instruments of Civil Engineering” on 13th Sept 2019.
8. Yash Sutariya (190013106013) and Mehul Parmar (190013106020) participated in “Bob the builder” technical event held at Faculty of Technology & Engineering Charusat on 13th Sept 2019.
9. Rutvij Soni (170010106048) was Coordinator of World Habitat Day celebration of Civil Engineering Department on 5th Oct 2019.
10. Harsh Harwani (170010106011) was member of ADIT team which won first prize in GTU Football tournament at Rajkot on 12th Oct 2019.
11. Khyati Patel (180010106026) and Urvi Patel (180014106001) were members of ADIT team which reached up to semi-final in Volleyball tournament of GTU at BITS Vadodara on 15th Oct 2019.
12. Hemang Dave (170010106009) was member of ADIT team which won the Volleyball tournament at Zonal level at BITS, Vadodara on 16th Oct 2019.
13. Hemang Dave (170010106009) was member of runners-up team of ADIT in Volleyball tournament at inter zonal level of GTU at AES sports complex, Ahmedabad on 19th Nov 2019.
14. Dhyey Patel (180010106025) represented GTU in Nationals AIU football on 4th Dec 2019.

PHOTO GALLERY



**ANAND AGRICULTURE UNIVERSITY VISIT
BY 3RD YEAR
(DATE: - 10TH OCTOBER 2019)**

Visit of Meteorological Department of B.A. College of Agriculture at Anand Agricultural University was arranged by the department. Students were able to understand the working and utilization of climate / weather measuring instruments such as sunshine recorder, anemometer, evaporimeter, rain-gauge etc.



SURVEYING WORKSHOP

(DATE: - 13TH SEPTEMBER 2019)

One day workshop on “Hands-on-practice of Modern Surveying Instruments” was organized under SSIP at ADIT. Use of Total Station and G.P.S as modern surveying instruments was taught by the experts to the students.



**R.M.C PLANT & CONSTRUCTION SITE VISIT
BY 3RD YEAR (DATE: - 18TH SEPTEMBER
2019)**

Students of 6th semester visited R.M.C plant at Vadodara. They have understood concrete mix design of M50 grade. Various components of RMC plant were seen and various laboratory tests for quality checks were explained to them. Students have seen the use of waste materials like silica fume, fly ash and admixtures at the plant site. Construction site visit of AGORA MALL Project at Vadodara was done on the same day. Demolishing techniques, Pre fabricated steel structures and diaphragm walls were seen.



**B.V.M HOSTEL BUILDING CONSTRUCTION
SITE VISIT BY 4TH YEAR**

(DATE: - 4TH OCTOBER 2019)

Construction project site of Hostel Building near BVM College V.V.Nagar was visited by the final year students under I E (I) Students' Chapter Civil Engineering. Students have seen the building components with reinforcement details like slab, beam, and column. They also understood the tender, BOQ and conditions of contract. They have seen formwork for columns and slab, AAC blocks for wall construction and plastering work.



STATUE OF UNITY VISIT BY 4TH YEAR

(DATE: - 27TH SEPTEMBER 2019)

Students have seen earthen dam, reservoir intake, head regulator and main canal at Deo Irrigation Scheme at Bodeli. Then they have visited Statue of Unity , Sardar Sarvor Yojna and Narmada Dam at Kevadia.



CONSTRUCTION SITE VISIT BY 2ND YEAR

(DATE: - 27TH SEPTEMBER 2019)

Construction project site near New V.V. Nagar was visited by the students.

Students have seen building components like footing, column, slab, beam, staircase and the formwork. Process of building approval under RERA was explained by the contractor. Architectural & structural drawings were explained by the faculty member.