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PU **LSE**

The Newsletter



Edited By :

Stavan Bhatt

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Yash Gaurav

[1- I.T.] 2020 - 2024



***"It is better to
work out,
than rust out"***
- Sir M. Visvesvaraya



PULSE

THE NEWSLETTER

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Shantilal Shah Engineering College

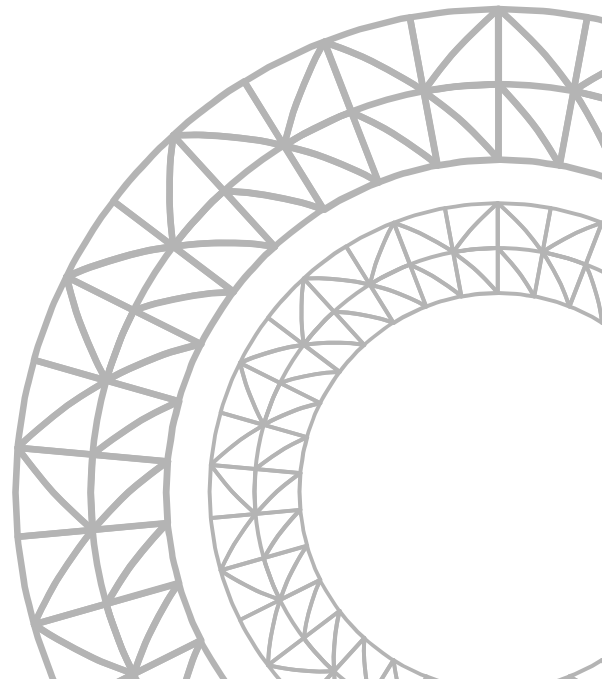
PATRON : DR. M. G. BHATT

Technology is the heart of a Nation
& Engineers are its pulse...

FACULTY GUIDE :
Prof. A. A. Pandya
Prof. D. N. Vaishnav

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- Message from Principal
- Vision and Mission
- Departmental Information
- Departmental and Faculty Activities



WORDS OF MOTIVATION

FROM THE PRINCIPAL'S DESK



Dear SSEC Family Members,

It is a matter of joy as we come up with yet another volume of our college newsletter - PULSE. I sincerely believe that this newsletter will offer glimpses of activities and work carried out by our Institute as a whole. Through this newsletter, it will be our effort to establish a strong bond between industry and academics.

I appreciate the efforts taken by students and faculty members in bringing out this volume of the newsletter.

**Best wishes,
Dr. M. G. Bhatt**

VISION

To become a leading engineering institute in the state, by developing excellent engineers capable of fulfilling needs of industry, society and nation at large.

MISSION

- 1.To provide conducive academic environment motivating the aspiring engineers to achieve excellence
- 2.To impart ethics and core values in graduates
- 3.To promote contemporary infrastructure and external linkages



DEPARTMENTAL INFORMATION

APPLIED MECHANICS

PROF. H. S. TRIVEDI
BLOCK-B
ROOM NO. 135

CIVIL ENGINEERING

DR. V. M. PATEL
BLOCK-C
ROOM NO. 104

EC ENGINEERING

DR. M. S. SHAH
BLOCK-D
ROOM NO. 121

ELECTRICAL ENGINEERING

DR. K. P. BADGUJAR
BLOCK-E
ROOM NO. 121

GENERAL DEPARTMENT

DR. A. A. PRAJAPATI
LRC
ROOM NO. 212

IC ENGINEERING

PROF. U. V. SHAH
BLOCK-B
ROOM NO. 220

IT ENGINEERING

DR. M. S. SHAH
BLOCK-D
ROOM NO.121

MECHANICAL ENGINEERING

DR. B. B. KUCHHADIYA
BLOCK-E
ROOM NO. 219

PRODUCTION ENGINEERING

DR. A.V. GOHIL
BLOCK-B
ROOM NO. 116

DEPARTMENTAL AND FACULTY ACTIVITES

CIVIL ENGINEERING

PAPER PUBLICATIONS

Paper Title	Faulty name	Publication Month-Year	Journal name and Type. ISSN / ISBN / Doi
Water Quality Analysis of Various Dams/Reservoirs of Bhavnagar Region	Prof. K. R. Mayani	May-2021	International Advanced Research Journal in Science, Engineering and Technology Inter-National ISSN (Online) 2393-8021
A critical Analysis of Water Logging Problem in Bhal region of Gujarat India	Prof. N. P. Soni	May-2021	International Journal of Creative Research Thoughts Inter-National ISSN - 2320-2882
ASSESSMENT OF SEAWATER INTRUSION IN COASTAL AQUIFER OF BHAVNAGAR DISTRICT USING MODFLOW AND HYDRO-CHEMICAL ANALYSIS	Prof. N. P. Soni	April-2021	International Journal of Creative Research Thoughts Inter-National ISSN - 2320-2882
Solute Transport Modelling using SUTRA and Physio-Chemical Analysis in Ghogha taluka, Bhavnagar District	Prof. N. P. Soni	May-2021	International Journal of Creative Research Thoughts Inter-National ISSN - 2320-2882
SALINITY INGRESS STUDIES IN COASTAL STRETCH OF BHAVNAGAR TO UNA, GUJARAT, INDIA	Prof. N. P. Soni	May-2021	HYDRO 2020 INTERNATIONAL Conference ISBN : 978-93-90631-56-8

TRAINING BY FACULTY

Training Type (STTP/Workshop)	Details of STTP/Workshop	Name of STTP/Workshop	Faculty Name
3-Day Workshop (Online) March-2021	Organized by Civil Engineering Dept., PDEU, Gandhinagar	Advance Modeling Techniques in Water Resources Management & Engineering	Prof. K. R. Mayani
1-Week STTP (Online) June-2021	Organized by NITTTR, Bhopal	ADVANCES IN CONSTRUCTION TECHNOLOGY AND MANAGEMENT	Prof. K. B. Gohil

DISSERTATION GUIDED

Total 11 students were guided in the PG course of Water Resources Engineering. These students were guided on different topics related to the programme by the 9 faculties from the department based on modelling, practical and software analysis.

OTHER SPECIAL ACTIVITIES/EVENTS

- Blood donation was done by department faculties at Shantilal Shah Engineering College campus. The Blood donation camp was organized on 11-2-2021. Faculties who donated blood were Prof. M. K. Chudasama, Prof. G. V. Dihora, Prof. K. B. Gohil, Prof. N. P. Soni, Prof. N. D. Acharya, Prof. K. R. Mayani.

- Prof. N. P. Soni, since past three years, has been motivating and guiding the students of Civil Engineering department to take the participation in the Ultra-Tech Sparking star competition at Marwadi College, Rajkot and our students of Civil Engineering Department won the 2nd runner up position for consecutively third year in the regional round and won the prize worth Rs. 9000/-.



- Prof. N. P. Soni has got the certificate of reviewer of "International Journal of Creative Research Thoughts" in April 2021. The journal is having ISSN no.: 2320-2882 established in 2013. He was also appointed as the editorial board member on February-2021 in the Journal of "Global Research and development Journals" having ISSN no.: 2455-5703.

ELECTRICAL ENGINEERING

FACULTY PUBLICATION

Prof. (Dr.) Ketan Badgajar published a Research Paper titled “Impact of Geo Magnetically Induced Current on the Power System and its Components” at a conference held at IITRAM, Ahmedabad.

EXPERT LECTURES/WEBINARS DELIVERED BY FACULTIES

- Prof. (Dr.) Ketan Badgajar successfully organized a webinar on NBA accreditation on 6th March, 2021 in which Chairman and Member Secretary, NBA, New Delhi, Principal Secretary (Education) Government of Gujarat, Director of Technical Education, Director of Higher Education and more than 1000 faculties from various technical institutes across Gujarat participated in this webinar. Prof. (Dr.) Badgajar received special appreciation from Director of Technical Education for organizing this event.

- Prof. (Dr.) Ketan Badgujar delivered webinars on diverse topics at GMB Polytechnic-Rajula, GEC-Bharuch, RCTI-Ahmedabad, GP-Palanpur, GEC-Surat, GEC-Rajkot, SSEC-Bhavnagar, GP-Bharuch, GP-Junagadh and Nirma University, Ahmedabad.
- Prof. (Dr.) Ketan Badgujar delivered a key note address at an event in L.D. Engineering college, Ahmedabad
- Dr. Astik Dhandhia delivered webinar on “Application of Artificial Intelligence in the Power System Security” in STUDENT INNOVATION FEST-2021 organized by Gujarat Technological University and Vigyan Gurjari.
- Dr. K. P. Badgujar, Head & Prof., Electrical Department had delivered expert lecture at S S Gandhi Polytechnic, Surat and LDCE, Ahmedabad.

VISIT AND WORK DONE AT CTE OFFICE

- Prof. (Dr.) Ketan Badgujar visited GP-Ahmedabad, GP-Palanpur, GP-Porbandar and RCTI-Ahmedabad for mock round of NBA.
- Prof. (Dr.) Ketan Badgujar contributed for SFR calculation at CTE office level for Degree and Diploma colleges.
- Prof. (Dr.) Ketan Badgujar attended accreditation visit at GP, Ahmedabad.

ACHIEVEMENTS BY FACULTIES

- Prof. Astikkumar Dhandhia had successfully completed doctoral studies from Electrical Department, Pandit Deendayal Petroleum University on topic “Development of Algorithms towards Static Security Assessment of Power System using Artificial Intelligence” and also received PhD degree in the virtual presence of Honorable Prime minister Shri Narendra Modi, Honorable Chief minister Shri Vijaybhai Rupani, and Shri Mukesh Ambani.

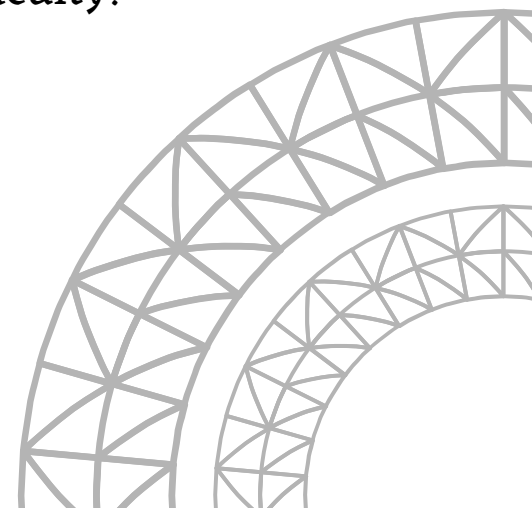


- Prof. (Dr.) Tejas Maniar successfully completed his PhD from C.U. Shah University, Surendranagar on topic “Renewable Power System Improvement by Modified Topology in Power Converter”.
- Prof. (Dr.) Ketan Badgujar is nominated as member of board of studies in Electrical and Power Electronics Branch at GTU for next three years.

YOGA SESSIONS

In the present pandemic condition, it is advisable to increase immunity. Yoga is the proven way of doing the same. Fortunately, we have got a subject in First year of ME Electrical, named as Stress Management by Yoga. Ideally, in offline mode of teaching, the subject had to be learnt in office hours, which would have made it challenging to perform yoga. However, the online mode of teaching, gave us the flexibility to learn it at home at flexible timing.

It was decided to learn yoga in morning hours (the most suitable time for doing yoga) four days a week. Hence, since the beginning of the term, morning 6.30 to 7.30 am has been scheduled for yoga. Initially, for two weeks, the subject teacher taught all the asanas including sleeping postures asanas, sitting and standing posture asanas. In the session, the first half an hour is dedicated to asanas and next half hour for SHUDHHIKRIYA and PRANAYAM. In later part of the course, students are taking session one by one. The yoga is performed in the presence of the faculty, if there is any mistake it is immediately rectified by the faculty.

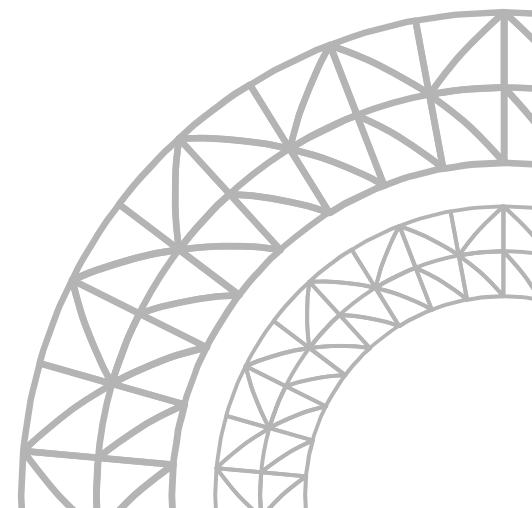


GENERAL DEPARTMENT

FACULTY ACTIVITIES

- Prof. D. N. Vaishnav delivered an Expert Talk on “New Genres: Travelogues-1” on 15th March, 2021 as a part of online NET/SET Mentoring Lecture Series, organized by the Department of English and CLS, Saurashtra University, Rajkot, Gujarat.
- Prof. D. N. Vaishnav delivered an Expert Talk on “New Genres: Travelogues-2” on 28th April, 2021 as a part of online NET/SET Mentoring Lecture Series, organized by the Department of English and CLS, Saurashtra University, Rajkot, Gujarat.

- Prof. D. N. Vaishnav participated in an online Webinar on Orientation on Linguaskill organized by the Cambridge Assessment English.
- Prof. D. N. Vaishnav participated in an online training on “Communication Skills for Teachers” organized by NITTTR, Bhopal.
- Prof. D. K. Katariya published a paper on “Retailer’s Ordering and Pricing Strategy for New Product and Buyback Strategy for Used Product with Deterioration” in International Journal of Operations Research, Volume 18, Issue 2 pages 45-56 in June, 2021



IT ENGINEERING

FACULTY PUBLICATIONS

Paper Title	Author Name	Level	Date of Publication	NAME OF JOURNAL
Click Ad Fraud Detection Using XGBoost Gradient Boosting Algorithm.	Naynaba Gohil, Arvind D Meniya	International	6-7 February 2021	Springer - International Conference on Computing Science, Communication and Security (COMS2- 2021)
enhancing security confidential data using video steganography	Disha Sanghani,Pratiba Parmar	International	28/04/2021	Springer-Cybernetics, Cognition and Machine Learning Applications(ICCCMLA 2020)

MECHANICAL ENGINEERING

FACULTY ACHIEVEMENT

Dr. Priyank Parekh served as a reviewer for the journal of Engineering and Technology published by Gandhinagar Institute of Technology.

