

# NIRMAAN

## HALF YEARLY MAGAZINE



**SANDIP**  
FOUNDATION



# CIVIL ENGINEERING



**MAY. 2023**  
**VOLUME 06/ ISSUE 02**

### Chief Editor:

Dr. Jyotiprakash Nayak

### Editor:

Prof. Aniket Patil

### Members:

Prof. Satish S. Barmade

Prof. Sachin W. Manjarwal

Prof. Virendra B. Patil

Mr. Kirtan Patel

Mr. Aniket Funde

Miss. Jidnyasa Nehete

Miss. Ankita Gangurde

Mr. Rushikesh Magar

**PUBLISHED BY**  
**CIVIL ENGINEERING DEPARTMENT,**  
**SANDIP INSTITUTE OF TECHNOLOGY AND**  
**RESEARCH CENTRE, NASHIK**  
Mahiravani, Trimbak Road, Nashik, Maharashtra  
422213





**SANDIP**  
FOUNDATION

# NIRMAAN



## Vision of Institute

“To be an acclaimed Institution for learning and research.”

## Mission of Institute

- ❑ **M1:** To impart in-depth technical knowledge
- ❑ **M2:** To create conducive environment for research, innovation & entrepreneurship
- ❑ **M3:** To instill the social & cultural values

## Vision and Mission of Department

### VISION:

To impart value-based state of the art knowledge in civil engineering and to serve the society by nurturing research, innovation and entrepreneurship.

### MISSION:

**M1:** To build a concrete bond with all stakeholders for holistic development of society

**M2:** To develop an ecosystem to emulate research in civil engineering domain

**M3:** To nurture innovative approach and entrepreneurship skills to pursue excellence in all facets



## Editorial Board Members

**Chief Editor's:-**

**Dr. Jyotiprakash G. Nayak**

**Editor:-**

**Prof. Aniket S. Patil**

**Members:-**

**Prof. Satish S. Barmade**

**Prof. Sachin W. Manjarwal**

**Prof. Virendra B. Patil**

## Leading Engineering College in Nashik

Sandip Foundation established in 2005 as a Charitable Trust under the Chairmanship of Hon'ble Dr. Sandip Kumar Jha with a vision to render selfless, dedicated service to higher education in the fields of Engineering, Management and Paramedical Sciences. The trust has proved its proficiency in education for last twelve years. Under the umbrella of Sandip Foundation, Sandip Institute of Technology and Research Center was established in the year 2008.

### Vision of Department

To impart value-based state of the art knowledge in civil engineering and to serve the society by nurturing research, innovation and entrepreneurship

### Mission of Department

- ❑ **M1:** To build a concrete bond with all stakeholders for holistic development of society.
- ❑ **M2:** To develop an ecosystem to emulate research in civil engineering domain.
- ❑ **M3:** To nurture innovative approach and entrepreneurship skills to pursue excellence in all facets.

## WHAT'S INSIDE

01. Chairman's Message

05. Civil Engineering Toppers

09. Workshops

02. Principal Message

06. Publications

10. Industrial Visits

03. HOD Message

07. Student Achievements

11. Editorial Board

04. Civil Department

08. Expert lectures

### Vision of Department

To impart value-based state of the art knowledge in civil engineering and to serve the society by nurturing research, innovation and entrepreneurship

### Mission of Department

- ❑ **M1:** To build a concrete bond with all stakeholders for holistic development of society.
- ❑ **M2:** To develop an ecosystem to emulate research in civil engineering domain.
- ❑ **M3:** To nurture innovative approach and entrepreneurship skills to pursue excellence in all facets.



**Learn from your experiences for these is no greater tutor than life itself.**

### From Chairman's Desk

Learn from your experience, for there is no greater tutor than life itself. I am happy to pen down a few words as prologue to our Newsletter which is exclusively meant for churning out the latent writing talent which bears immense potentiality of sharpening our students' skills as part of their overall personality development. I congratulate all the team members and contributors of this Newsletter for bringing out such a beautiful Newsletter. Walk with those who feed your mind with motivation to further your mission. Wake up hungry for success every day; your drive for success must match the ferocity of a hungry lion attacking his prey every morning. An educated person without morals is like a room without windows. I think that morals are what ground us as a society, and without morals we would have no light to guide our educated minds. We, at Sandip Foundation, strive to make our students reliable technocrats and trustworthy citizens of India. My staunch faith and conviction is that our students would carve a niche in their career and life by going lineage and heritage through this temple of learning. I would like to take this opportunity to reiterate that there is no substitute to hard work in any venture. Therefore, it should be our endeavour to give our best in our areas of responsibilities and aim at achieving excellence for our institution. I wish all success to this venture.

**HON'BLE DR. SANDIP N. JHA**  
**Chairman, Sandip Foundation**

### Vision of Department

To impart value-based state of the art knowledge in civil engineering and to serve the society by nurturing research, innovation and entrepreneurship

### Mission of Department

- ❑ **M1:** To build a concrete bond with all stakeholders for holistic development of society.
- ❑ **M2:** To develop an ecosystem to emulate research in civil engineering domain.
- ❑ **M3:** To nurture innovative approach and entrepreneurship skills to pursue excellence in all facets.



## Principal, SITRC, Nashik

### From Principal Desk

“A dream is not that which you see while sleeping, it is something that does not let you sleep! “Dr. A.P.J. Abdul Kala. We, at SITRC, Nashik believe in the same philosophy. SITRC, Nashik started its journey to produce world class technocrats with competent skills in various technologies for serving the society. Our every effort ensures that we achieve our goals. Competent faculty is our asset. Each and every team member is passionate in achieving our goal. We always motivate our faculties to be an active part of our team. Nature is our friend here in the pleasant environment of Sandip Foundation. It rejuvenates the body, mind and intellect of our students as well as staff members. The aim behind all our co-curricular and extra-curricular activities is to provide an impetus to our young minds to explore new dimensions of life and to do innovation in their field. Some people think in terms of problem, some people think in terms of solution. We, at SITRC, Nashik , insist our students to be a problem solver. Students are motivated to make some mini and micro projects to utilize their knowledge practically. This is a platform to showcase their creativity. To increase employability of our students, certain Skills Development Programs have been introduced and implemented effectively by our institute. Due to globalization, liberalization and privatization, there is a cut throat competition in the market. We, by imparting practical knowledge to our students, make them industry ready. So the skill set gives them confidence to withstand the competitive world. Come, feel the difference. Rejuvenate mind and intellect. We assure quality education at its best at SITRC, Nashik and Sandip Foundation.

**SITRC, Nashik**

**Prof. (Dr.) M. M. Patil, Principal, SITRC, Nashik**

### Vision of Department

To impart value-based state of the art knowledge in civil engineering and to serve the society by nurturing research, innovation and entrepreneurship

### Mission of Department

- ❑ **M1:** To build a concrete bond with all stakeholders for holistic development of society.
- ❑ **M2:** To develop an ecosystem to emulate research in civil engineering domain.
- ❑ **M3:** To nurture innovative approach and entrepreneurship skills to pursue excellence in all facets.



Message from  
**HOD Civil Engineering Department**

### From HOD's Desk

I welcome you all to Civil Engineering Department, the institution which has set the benchmark for quality teaching learning process. The institute strives to provide the world class faculties and facilities so that we will see you all blossom into empowered and sensitive human being. Education is the manifestation of love and my most cherished possession. It drives away the ignorance and through illumination it emboldens a man to a righteous thought and action. It energizes a society and enables a man to earn his living with respect and praise. In order to accomplish our vision and mission, we are prepared to take as much effort as possible for the betterment of academic scenario in India. Our institute cares for the individual development of each and every student. We follow the mentor system under which each class is put into multi-prolonged web of a teacher. We accord prime importance to the behavioral discipline, moral integrity and cognitive developments of our students. Our faculties strive to teach not only academic programs but also life skills needed for students.

**Dr. Jyotiprakash G. Nayak,**  
**HOD, Civil Engineering Department**

# ABOUT CIVIL ENGINEERING DEPARTMENT

The department started its operation in the academic year 2014-15 and is instrumental in providing degree granting graduate level course in Civil Engineering with the intake of 60 students per academic year. Department proudly boasts the convergence of leading researchers from all over India in the teaching faculty pool. Corporates heavyweights have taken the initiative to act as advisor to faculty members and hence the curriculum is not only research-led and cutting edge but it's also aligned to the present day requirements in industries.

Department has well equipped laboratories with ultra-modern instruments. Students of the department are enriched by guidance of highly qualified and experience faculty members. Department having active consultancy cell providing consultancy facility for soil/building material testing, field testing for civil engineering projects.

This directly helps in producing industry ready graduates who can add value in the organization right from the day one.

## **Department Information**

**Programme:- Civil Engineering**

**Year of Establishment:- 2014-2015**

**Intake Capacity:- 60**

# CIVIL ENGINEERING TOPPERS

Sr. No	Name of Student	Enrolment No	Class	SGPA	Photos
1.	Tomar Loesh Rajeshsingh	S190610064	SE	7.41	
2.	Nigal Anjali Ravindra	T190610058	TE	8.29	
3.	Sangle Harish Prakash	B190610062	BE	8.75	



# BOOK PUBLICATIONS

## Many Congratulation for Book Publications



**Authors:**

Kisan Bidkar

Jyotiprakash Nayak

**Publishers:**

Flussvernetzung

**Authors:**

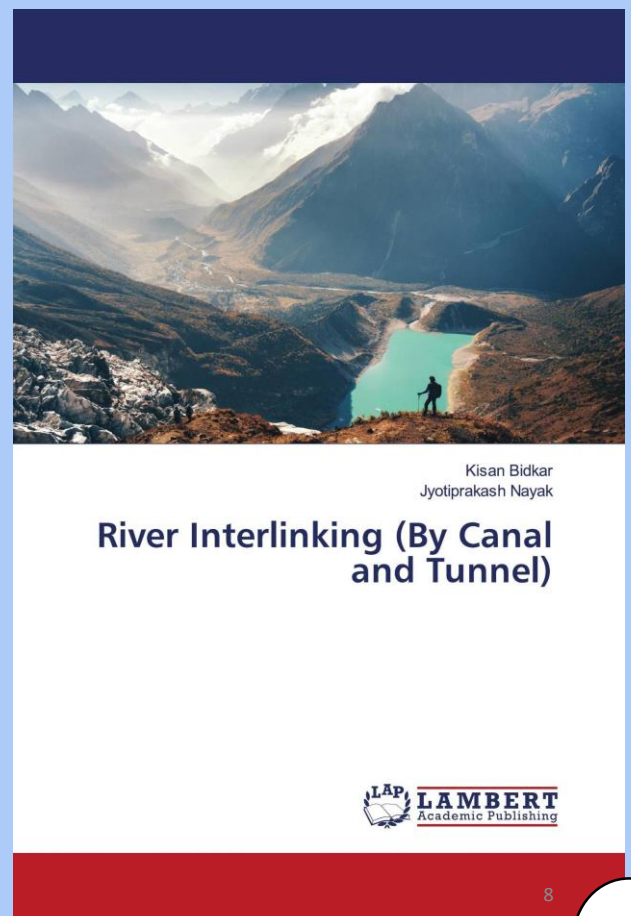
Kisan Bidkar

Jyotiprakash Nayak

**Publishers:**

LAP Lambert Academic Publishing ( 2022-07-13 )

ISBN: 978-620-4-98493-3



## PAPER PUBLICATIONS

# Many Congratulation for Publications

- Rashmi J. Nayak a, **Jyotiprakash G. Nayak** (2023) TSDC and EDX studies of pure and ferrocene doped Polysulfone, Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2023.05.650>
- **Chintaman Bari**, Ashish Dhamaniya, Satish Chandra, (2023) Drivers' Willingness to Shift Towards Electronic Toll Collection System in India, Case Studies on Transport Policy, <https://doi.org/10.1016/j.cstp.2023.101046>

# STUDENT ACHIEVEMENTS



Ankita Abaji  
Gangurde receiving  
award from  
Maharashtra state  
Skill Competition at  
Mumbai

Nisarg  
Bhamare  
received  
"IRONMAN"  
award at  
Kazakhstan



Nisarg Bhamare  
received "Second  
Rank" at State  
level 19<sup>th</sup> MTB  
National  
Championship by  
cycling  
Association of  
Maharashtra at  
Pune



# EXPERT LECTURES

## Jobs and Business Skill Development

**Name of Event:**

Expert lecture on Jobs and Business Skill Development.

**Date of Expert Lecture:-**

20-22/02/2023

**Resource Person:-**

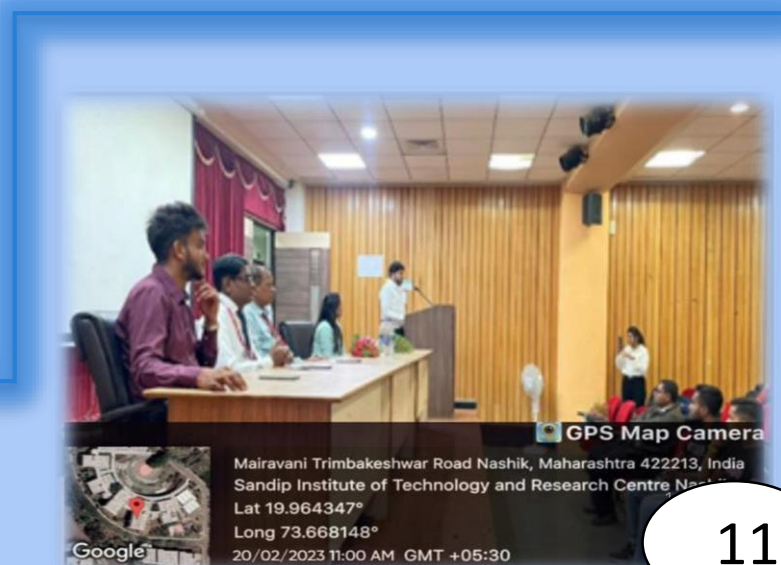
Mr. Aashlesh Nayati (Founder of Excellence Foundation)

**Participants:-**

64 Students (BE AND TE)

**Event Summary :**

Around 64 No of Civil Engg.. Students of, TE and BE Attended the Workshop. The speakers introduced the students about various aspects of Jobs and Business Skill Development. This event helps the students in lifelong learning in terms of upgrading individual skills.



# EXPERT LECTURES

## Value Added Programs

**Name of Event:**

“VAP Course-Auto Cad.

**Date of Expert Lecture:-**

07th Oct 2023 to 02nd Jan 2024

**Resource Person:-**

Dr. Swati Patil, Assistant Professor SOET, Nashik

**Participants:-**

SE Civil Students

**Event Summary :**

The primary goal of this workshop was to equip civil engineering students with essential skills and knowledge required for effective use of AutoCAD in design and drafting tasks CAD and design, encouraging peer-to-peer learning and collaboration



**CHIEF PATRON**  
Hon. (Dr.) Sandip N. Jha  
(Chairman, Sandip Foundation, Nashik)

**PATRON**  
Hon. Prof. Pramod Karole  
(Academic Facilitator, Sandip Foundation, Nashik)

**PRINCIPAL**  
Prof. (Dr.) M. M. Easli  
(Principal, SITRC, Nashik)

**CONVENER**  
Dr. J. G. Nayak  
(HOD, Department of CIVIL Engineering,  
SITRC, Nashik)

**CO-ORDINATOR**  
Prof. V. B. Patil  
(Assistant Professor, Dept. of CIVIL Engineering,  
SITRC, Nashik)



**RESOURCE PERSON**

Dr. Swati Patil  
(Assistant Professor SOET Nashik)

**Venue and Time**

Doc. Building  
Auto Cad Lab-Civil  
Department  
SITRC, Nashik  
Time: 10.00 AM To 5.00 PM

**VALUE ADDED  
PROGRAM**

On

**“AUTO -CAD”**

16.01.2023 to 21.01.2023

Organized By

Department of Civil Engineering,  
Sandip Institute of Technology and  
Research Centre,  
Nashik - 422213.



# EXPERT LECTURES

## Career Opportunities after Engineering

**Name of Event:**

Expert Lecture on “Career Opportunities after Engineering”

**Date of Expert Lecture:-**

28.02.2023

**Resource Person:-**

Mr. R. Umapati Murthy and Mr. Shankar Wadane

**Participants:-**

All civil engg. Students

**Objectives:-**

1. Awareness about various opportunities after engineering and post-graduation
2. Introduction to various industries, PSU’s and roles for engineers from various streams.
3. Guidance about entrance examinations like GATE etc. For engineering masters programs.



# WORKSHOP

## Concrete mix design workshop

**Name of Event:**

**Concrete mix design .**

**Date of Expert Lecture:-**

08.08.2022

**Location:-**

Seminar Hall, Mechanical Engineering Department, D Building, SITRC.

**Participants:-** All civil department Students

**Objectives:-**

1. To get acquainted with Concrete Mix Design Process.
2. To understand Practical aspects of Concrete Mix Design.
3. To understand the procedure of various tests conducted on concrete.



# EXPERT LECTURES

## Essentials for Research Paper and Thesis Writing

**Title:** One Day Workshop on “Essentials for Research Paper and Thesis Writing”

**Date:** 14/04/2023

**Venue:** Online (Google Meet)

**Event Resource Person Details:** Prof. Chintaman Bari, Department of Civil Engineering, SITRC, Nashik, Maharashtra

### Event Objective:

- 1) To get acquainted with Word Processing Software.
- 2) To understand the procedure for carrying out a systematic literature review using the PRISMA methodology.
- 3) To explore the use of Mendeley software for citations and references.

**Event Summary:** Prof. Chintaman Bari explained and did hands-on practice with the participants for the use of Word software for the use of headings, captioning, headers and footers etc. Also, the procedure for systematic literature review using different databases was explained. Lastly, the use of Mendeley software for referencing and citations was delivered. The event got an overwhelming response from 72 participants comprising of Professors, Scientists, Research scholars and students mostly from Maharashtra and Gujarat region. This event helps the students in lifelong learning of preparing industrial project reports and pursuing higher education in terms of writing thesis.



**SANDIP FOUNDATION** MAAC COPA Score: 3.11

### ONE DAY WORKSHOP ON "ESSENTIALS FOR RESEARCH PAPER AND THESIS WRITING"

**Topics Covered:**

- Formatting in MS-Word (Headings, Captioning, Creating Index, Headers and Footers, and many more)
- Systematic Literature Review (with PRISMA)
- Citation and Referencing using Mendeley software (formatting same research paper for different journals)

**Registration Fees:**

- INR 200/- (Till 11<sup>th</sup> April 2023)
- INR 250/- (After 11<sup>th</sup> April, 2023)

**Resource Person:**  
**Mr. Chintaman Bari**  
(Ph. D. Scholar, SVNIT, Surat)  
Assistant Professor,  
Department of Civil Engineering  
Sandip Institute of Technology and  
Research Centre, Nashik  
Mob: 8405554794  
9422340183

**Organized By:**  
Department of Civil Engineering  
Sandip Institute of Technology and Research Centre, Nashik

**Regards**  
Dr. J. G. Nayak HOD, Civil, SITRC  
Dr. M. M. Patil Principal, SITRC

**SITRC**  
SANDIP FOUNDATION'S  
INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE

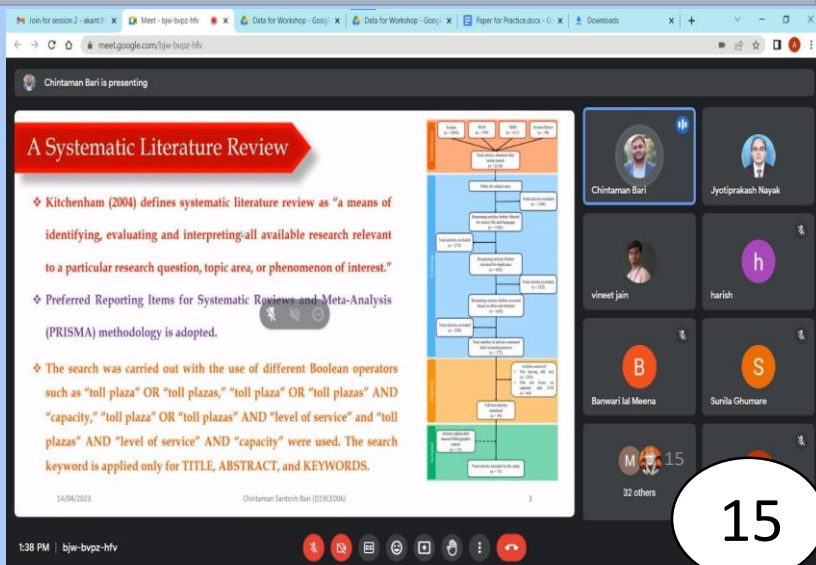
**Link for registration:**  
<https://forms.gle/54Kgdno9u64XfB67>

**Mode of Workshop:** Online (Google Meet) <https://meet.google.com/bje-bvypz-hfv>

**Modes of Payment:**  
We accept all digital modes of payment. Phone Pay or Google Pay on **8605554794**

**E-certificates to all participants will be provided**

**14/04/2023**  
10.30 AM Onwards



Chintaman Bari is presenting

### A Systematic Literature Review

◆ Kitchenham (2004) defines systematic literature review as "a means of identifying, evaluating and interpreting all available research relevant to a particular research question, topic area, or phenomenon of interest."

◆ Preferred Reporting Items for Systematic Reviews and Meta-Analysis (PRISMA) methodology is adopted.

◆ The search was carried out with the use of different Boolean operators such as "toll plaza" OR "toll plazas," "toll plaza" OR "toll plazas" AND "capacity," "toll plaza" OR "toll plazas" AND "level of service" and "toll plazas" AND "level of service" AND "capacity" were used. The search keyword is applied only for TITLE, ABSTRACT, and KEYWORDS.

14/04/2023 Chintaman Santosh Bari (20230206)

1:38 PM | bje-bvypz-hfv

Participants: Chintaman Bari, Jyotiprakash Nayak, vineet Jain, harish, Banwari Lal Meena, Sania Ghumare, M... 15, 32 others

15



# EVENTS

## Two Technical Event

**Title:** Two-days technical event “Momentum 2K23”

**Date :** 20th and 21st April 2023

**Venue:** Department of Civil Engineering and Amphitheatre, SITRC, Nashik.

### Event Objective:

To improve organization and coordination skill of the students.

To enhance competitive and team spirit of participating students.

**Event Summary:** Under “Momentum 2K23” some technical events conducted like Bridge Making, Poster Making, AutoCAD competition and Quiz competition along with a few non-technical events like Turf Cricket, Haunted Cricket, Fashion Show, Singing, Dancing and BGMI were organized.



**MOMENTUM 2K23**

Event Date: 20th & 21st April

Scan QR For Registration

- TECHNICAL EVENTS -			
<b>Poster Making</b> Event Coordinator- Laxmi Galwad - 9359672324 Aditi Ahire - 7757098819 Vaishnavi Gite - 7447895496	<b>Bridge Making</b> Event Coordinator- Aishwari Dhanrao - 7620674803 Vaishnavi Gite - 7447895496 Laxmi Galwad - 9359672324 Nilesh Chaudhari - 8999073928	<b>AutoCAD Competition</b> Event Coordinator- Abhishek Khurpade - 7972579812 Pooja Kapse - 89755 26365	<b>Quiz Competition</b> Event Coordinator- Anika Congurde - 8275052904 Anjali Nigal - 8007239373 Diksha Sansare - 9325136730
- NON TECHNICAL EVENTS -			
<b>Haunted Cricket</b> Event Coordinator- Nisarg Bhamare - 8554855487 Abhishek Chaudhari - 93070 21573 Pritam Pagare - 9112238126 Ankit Bhasvar - 7798684147	<b>Tug of War</b> Event Coordinator- Mihir More - 9881299666 Jidnyasa Nehete - 7410196869	<b>Short Movie Making</b> Event Coordinator- Rushikesh Burkal - 9356007917 Janhavi Dandage - 9579712368	<b>Turf Cricket</b> Event Coordinator- Anshesh Aher - 9403281069 Vivek Umbade - 9527164701
<b>BGMI</b> Event Coordinator- Rushikesh Magar - 9545386480	<b>Paper Dance</b> Event Coordinator- Ashay Patil - 8975894692 Nikita Pawar - 9403986971 Pranav Gangurde - 9175747704	<b>Dancing/Singing</b> Event Coordinator- Madhuri Wagh - 8329089073 Nikita Singh - 9922285851 Ruchita Sonawane - 9975702023 Vaibhav Patil - 93078 86281	<b>Fashion Show</b> Event Coordinator- Sai Ganjal - 7498519247 Laxmi Patil - 7507745944 Yashodeep Patil - 7767079969 Siddharth Sonawane - 9359628520

Venue - Civil Engineering Department, SITRC



# EVENTS

## Women's Day

**Title:** Celebration of International Women's Day 2023

**Date:** 08/03/2023

**Venue:** Seminar Hall, D Building, SITRC, Nashik.

**Resource Person:** Dr. Anupama Deore, Dr. Kamini Nalawade, Prof. Rashmi Nayak

**Event Objective:**

To celebrate International Women's Day 2023.

To make aware girls students about personal hygiene.

**Event Summary:** Civil Engineering Students Association (CESA) and Department of Civil Engineering has organized program to Celebrate of Women's Day 2023 in which guest lecture were arranged regarding personal hygiene for girls and some fun games were organized.



# INDUSTRIAL VISITS

## Site Visit to Hydropower Plant

**Name of Event:**

Site Visit to Hydropower Plant

**Date of Visit:-**

17.03.2023

**Visit Location:-**

DLI Power India Private Limited  
2 X 2.45 MW Darna Hydro Electric Project  
Darna Dam, Tal - Igatpuri, Dist - Nashik.

**Participants:-**

BE Civil engg. Students

**Objectives:-**

- 1. To visit Hydropower station and to know the technical details



## Dam Left Bank Canal

**Name of Event:**

Site Visit to Ganagapur Dam Left Bank Canal

**Date of Visit:-**

03.03.2023

**Visit Location:-**

Ganagapur Dam Left Bank Canal

**Participants:-**

BE. civil Students

**Objectives:-**

- 1. To study the various canal structures and their functions, suitability etc like Venturi flume, Cross Drainage works



## Nilgiribaug Water Treatment Plant

**Name of Event:**

Water Treatment Plant  
Neelam Sagar Earthen Dam  
sandip foundation

**Date of Visit:-**

27.02.2023

**Visit Location:-**

Neelam Sagar Earthen Dam.

**Participants:-**

TE civil students

**Objectives:-**

- To study the various components of earthen dam



# STUDENT PLACEMENTS



**Mr. Sanket More**  
(SITRC-AY(2022-2023))

**AEC Digital Solution LLC**



**MR. Waghle Sham**  
(SITRC- AY(2022-2023))

**Hinduja Housing Finance  
Mumbai**



**Mr. Akshay Waghle**  
(SITRC-AY(2022-2023))

**Hinduja Housing Finance Ltd  
Delhi**



**Ms. Payal Patil**  
(SITRC-AY(2022-2023))

**MOLD-TEK Technologies Ltd  
Hyderabad**



**Ms. Nikita Kedar**  
(SITRC-AY(2022-2023))

**Vastukruti Associates  
Nashik**



**Mr. Harish Sangle**  
(SITRC-AY(2022-2023))

**MOLD-TEK Technologies Ltd  
Hyderabad**



**Ms. Bhagyashri  
Bombale**  
(SITRC-AY(2022-2023))

**MOLD-TEK Technologies Ltd  
Hyderabad**



**Mr. Sudarshan  
Balajiwale (SITRC-  
AY(2022-2023))**

**Ratna Industries  
Nashik**



**Mr. Kiran Pawar**  
(SITRC-AY(2022-2023))

**Ellora EPC Pvt. Ltd  
Nashik**

# STUDENT PLACEMENTS



**MS. Sayali Labde**  
(SITRC-AY(2022-2023))

**P.R.Engineering  
Nashik**



**MR. Roshan Ekade**  
(SITRC- AY(2022-2023))

**Ellora EPC Pvt. Ltd  
Nashik**



**Mr. Prashant Jadhav**  
(SITRC-AY(2022-2023))

**Shilpa Estates  
Nashik**



**Ms. Atharv Thorat**  
(SITRC-AY(2022-2023))

**Ellora EPC Pvt. Ltd  
Nashik**



**Ms. Atharva Patil**  
(SITRC-AY(2022-2023))

**Ellora EPC Pvt. Ltd  
Nashik**



**Mr. Rayate Pradip**  
(SITRC-AY(2022-2023))

**P.R.Engineering  
Nashik**



**Mr.Sarthak Shinde**  
(SITRC-AY(2022-2023))

**Ellora EPC Pvt. Ltd  
Nashik**



**Mr. Pratik Mokal**  
(SITRC-AY(2022-2023))

**Ellora EPC Pvt. Ltd  
Nashik**



**Mr. Digvijay Shevale**  
(SITRC-AY(2022-2023))

**P.R.Engineering  
Nashik**

# STUDENT PLACEMENTS



**Mr. Ram  
Gaurishankar  
(SITRC-AY(2022-  
2023))**

**Vijay Builders  
Nashik**



**MR. Jayesh More  
(SITRC- AY(2022-  
2023))**

**Span Buildcon  
Nashik**

## Program Educational Objectives (PEOs)

**PEO1:** To perform well in the Engineering profession as competent professionals, using contemporary technical knowledge and professional skills.

**PEO2:** To pursue higher education and demonstrate intellectual curiosity for lifelong learning.

**PEO3:** To communicate effectively and work in multi-disciplinary environments embedded with ethical values and social responsibilities.

## Program Specific Outcomes (PSOs)

**PSO1:** Apply the knowledge of basic sciences, geology and environmental science along with the conceptual knowledge of engineering sciences to illustrate the process involved in planning, analysis and design of sustainable Civil Engineering systems.

**PSO2:** Conduct laboratory experiments/ field investigations and analyze/ interpret the experimental results for appropriate conclusions and recommendations to a real-world Civil Engineering problems with a significant perspective of economy, society and environment.

**PSO3:** Demonstrate professional ethics and implement the principles of project management, business and public policy to lead the project execution as per the design requirement, with the state-of-the-art technology contemporary skills.

# EDITORIAL TEAM

**Chief Editor's:-** Dr. Jyotiprakash G. Nayak

**Editor:-** Prof. Aniket S. Patil

**Members:-**

Prof. Satish S. Barmade

Prof. Sachin W. Manjarwal

Prof. Virendra B. Patil

Mr. Kirtan Patel

Mr. Aniket Funde

Miss. Jidnyasa Nehete

Miss. Ankita Gangurde

Mr. Rushikesh Magar

**Publisher**

Civil Engineering Department SITRC, Sandip  
Foundation Nashik

# SITRC INFRASTRUCTURE



**SITRC Amphitheatre**



**SITRC Play Ground**



**Canteen**