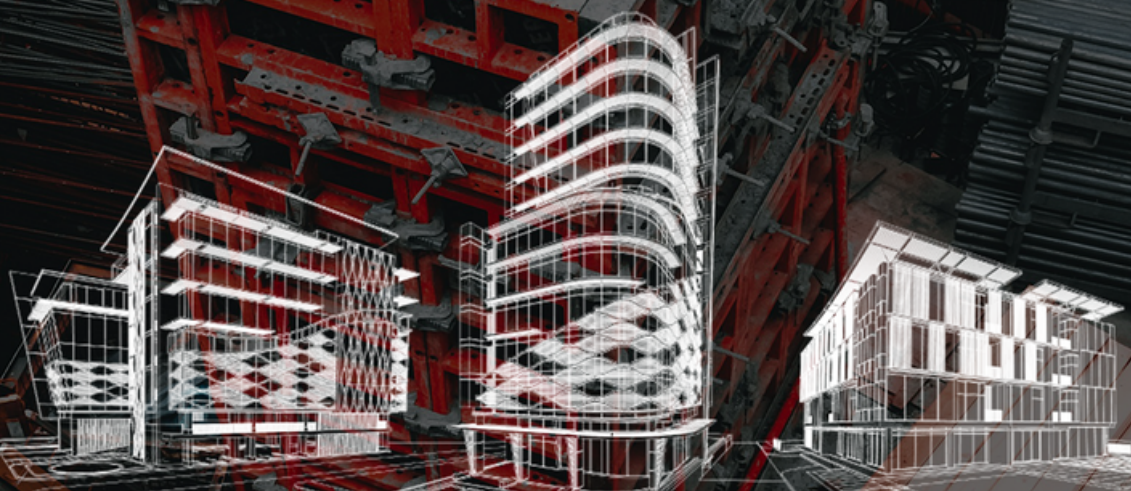
बी0 आई0 टी0 सिंदरी, धनबाद, झारखण्ड

B.I.T. Sindri, Dhanbad, Jharkhand

(Higheer Technical and Skill Development, Govt. of Jharkhand)

SANRACHNA '24



DEPARTMENTAL MAGAZINE

PRESENTED BY

ASSOCIATION OF CIVIL ENGINEERS

(DEPARTMENT OF CIVIL ENGINEERING)

ACIEVEMENTS | PLACEMENTS | LABORATORY | WORKSHOP

PATRON
Dr. Pankaj Rai
(DIRECTOR)

CO-PATRON
Dr. Jitu Kujur
(HOD Civil Engg. Dept.)

PROF. IN-CHARGE
Prof. P.K. Sharma
(Associate Prof.)

www.acebits.in

ABOUT B.I.T. SINDRI

The primary aim of the institute is to cater to the requirements of the country for technological manpower for development and research programs comparable to the best in the world. The college today offers B.Tech courses in 10 disciplines of engineering, namely Mechanical, Electrical, Metallurgy, Production, Chemical, Electronics and Communications, Civil, Mining, Computer Science, and Information Technology.

The college has top-notch amenities, which include multimedia auditoriums, seminar rooms, a state-of-the-art, well-stocked, rich e-library, well-equipped modern laboratories, and a campus-wide network.

The college has various co-curricular activities, fully residential hostels, good sports facilities, and a never-dying zeal of staff and students that paves a path for the pursuit of excellence. They provide a pleasant, intellectually stimulating, proactive, and conducive environment for students to feed their curiosities and interests and help them prepare for professional, academic, and social life.

VISION OF THE INSTITUTE

To provide the valuable human resources for the industry and society through the excellence in technical education and scientific research for the sustainable development.

MISSION OF THE INSTITUTE

- To offer state-of-the-art Undergraduate, Postgraduate and Doctoral programs.
- To generate new knowledge by quality research.
- To undertake the collaborative projects with industries and society.
- To develop human intellectual capacity with its fullest potential.
- To solve the problems of society through innovation in technology.

ABOUT CIVIL ENGINEERING DEPARTMENT

1957 saw the founding of the Department of Civil Engineering. Soil mechanics, foundation engineering, and structural engineering are available as specialisations in the department's undergraduate and postgraduate programmes. Additionally, the department provides sufficient space for R&D activity, which is essential for the state's economic development. The Civil Engineers undergraduate and postgraduate students are introduced with the latest softwares in civil engineering fields with the help of our Compute lab and receive training. Under the leadership of faculty members supported by the state government, the department has flourished and a healthy department-student activity is established.

VISION OF THE DEPARTMENT

To facilitate the continuous enhancement of technical expertise in civil engineering with ethical and moral values to meet global challenges in the field of research and development for sustainable growth.

MISSION OF THE DEPARTMENT

To produce complete Civil Engineers by:

- Imparting the advance knowledge and modern technology.
- Promoting quality education, research, and consultancy for industrial and societal needs.
- Developing leadership qualities.
- Promoting human values, ethical and moral responsibility.

INTROCUCTION TO ASSOCIATIONN OF CIVIL ENGINEERS

The Association of Civil Engineers, B.I.T. Sindri established in 2017 is an assortment of individuals who aim to acquaint you with the latest trends in the Civil Engineering field. It is an initiative taken by keen Civil Engineering students of B.I.T. Sindri to broaden their horizon of their knowledge of the aforementioned field. Our patrons are Dr. D. K. Singh, Director, Bit Sindri and Dr. Jitu Kujur H.O.D of Civil engineering department, B.I.T. Sindri.

VISION OF ACE

To promote the scholars and researchers to think towards the area of sustainable development, safe and resilient structure with the help of our activities.

MISSION OF ACE

ACE BITS aims to enlighten students, scholars and researchers of the most recent advancements in the Civil Engineering field.

MESSAGE FROM PATRON :

DR. PANKAJ RAI

(DIRECTOR B.I.T. SINDRI)

"BIT Sindri embodies a haven for learners, fostering a profound thirst for knowledge and a genuine eagerness to learn. As part of a pioneering institution with national acclaim, we pride ourselves on delivering comprehensive technical education, blending academic excellence with practical skills. Congratulations to the esteemed Civil Engineering Department. I extend my best wishes to the dedicated students and faculty, confident in their ability to continue excelling and making significant contributions to the field."

MESSAGE FROM CO-PATRON :

DR. JITU KUJUR

(HOD CIVIL ENGG. DEPT.)

"I wish to express my appreciation and thanks to the professors and students whose many long hours of efforts in organizing activities made this association get significance and its true worth. I extend heartfelt gratitude to the professors and students whose dedicated efforts and countless hours organizing activities have bestowed significance upon this association, revealing its true worth. Together, we've achieved remarkable milestones and created enduring memories. Thank you for your unwavering dedication and passion."

MESSAGE FROM PROF. IN-CHARGE :

PROF. P.K. SHARMA

(ASSOCIATE PROF. CIVIL)

"I deeply appreciate the unwavering commitment of professors and students who dedicated countless hours to organizing activities. Their efforts have bestowed genuine meaning upon our association, fostering a strong community and creating invaluable experiences. Thank you for your hard work and contributions, which have left a lasting impact on us all."

MESSAGE FROM ASSISTANT PROF. IN-CHARGE :

PROF. PRASHANT MALVIYA
(ASSISTANT PROF. CIVIL)

I hope this message finds you well. I wanted to take a moment to express my deepest gratitude and appreciation to the students and faculty members for their invaluable contributions to our academic community.Thank you for your tireless efforts and contribution in different types of activities and events.I would like to extend my heartfelt thanks to all of you.

DR. NISHIKANT KISKU
(ASSISTANT PROF. CIVIL)

I want to express my sincere gratitude to the professors and students whose unwavering dedication to organizing activities has truly enriched our association. Through their tireless efforts, we've cultivated a tight-knit community and shared invaluable experiences. Your hard work and contributions have made a lasting impression on all of us. Thank you for your commitment.

ASSOCIATION OF CIVIL ENGINEERS TEAMS

01. Counseling Team
02. Alumni Relation Team
03. Designing Team
04. Development Team
05. Editorial Team
06. Sports and Cultural Team
07. Gate - ESE Forum
08. Secretarial Team - Admin work
09. Marketing Team
10. Ideation Team
11. Industrial Relation Team
12. Research & Project Application
13. Social media team
14. Public Relation Team
15. Sponsorship Team
16. Operational Team

CORE MEMBERS: OFFICE BEARERS 2023-24

PRESIDENT
Mr. Adarsh Kumar

SECRETARY
Mr. Akash Bhushan

VICE PRESIDENT
Mr. Sourav Anand
Miss. Uma Dutta

JOINT- SECRETARY
Mr. Ashish Ujjwal Thakur
Miss. Shabnam Kumari

TREASURER
Mr. Rajan Kumar

JOINT TREASURER-
Mr. Harsh kr. Chourasia

EVENTS AND PROGRAM HEAD
Mr. Sahabuddin Ansari

PUBLIC RELATION OFFICER
Mr.Abhimanyu Kumar

MARKETING HEAD
Miss. Amisha Rani

ALUMNI IN-CHARGE & JOINT PRO
Mr. Sumit Kumar

TECHNICAL HEAD
Mr. Dharmveer Mahtha

CREATIVE HEAD
Mr. Sushanto Shekhar

RESEARCH AND DEVELOPMENT HEAD
Mr. Rohit Kumar

EDITORIAL HEAD
Mr. Aditya Kumar

GATE & ESE FORUM HEAD
Mr. Jitendra Rajwar

SPORTS HEAD
Mr. Hritam Swami

CORE MEMBERS: IN-CHARGE 2023-24

COUNSELLING TEAM
Suman Toppo
Ashish Jha

ALUMNI RELATIONS TEAM
Kunal Kumar Ram
Rajshree
Rudra Pratap

EDITORIAL TEAM
Lakshmi Kumari
Sagar Saurabh
Abhipriya Dubey
Ayushi Kumari

DEVELOPMENT TEAM
Gautam Kumar
Aditya Anand

SPORTS AND CULTURAL TEAM
Prabhat Kumar Ravidas
Saurav Kumar Verma

IDEATION TEAM
Anurag Kumar
Sakshi Mishra
Prince Michael Milton

RESEARCH AND PROJECT APPLICATION TEAM
Khusboo Mehta
Sakshi Dhan

SOCIAL MEDIA TEAM
Aditya Anand
Sagar Saurabh

INDUSTRIAL RELATIONS TEAM
Prince Michael Milton
Shruti Roy

OPERATIONAL TEAM
Amarnath Upadhyay
Lakshmi Kumari
Sanya Deo

SPONSORSHIP TEAM
Anurag Kumar
Saurav Kumar Verma
Rudra Pratap

DESIGNING TEAM
Ajay Mahato
Gautam Kumar
Mehar Talat

MARKETING TEAM
Prabhat Kumar Ravidas
Shruti Roy

GATE - ESE FORUM
Sagar Kumar Saw
Shivam Misra

PUBLIC RELATIONS TEAM
Vicky Kumar
Dimple Kumari

COORDINATORS 2023-24

Abhay Kumar Mahato
Abhishek Thakur
Abhinav Gaurav
Anjali Vishnupriya
Aryan Kumar
Bikash Kumar
Chandan Dev
Deepak Kumar
Deepak Prakash
Divyanshu kumar
Divyanshu Kr. Singh
Harsh Kumar Harsh
Harshita Kashyap
Hritik Kochar
Jai Prakash Oraon
Jaydeep Kumar
Komal Khalkho
Kuwar Singh
Manish Kumar Mahato
Muskan Prakriti
Nitish Oraon
Pradeep Kumar Mahato
Prince Kumar
Priyanshu Kumar
Rahul Kalindi
Rahul Kumar
Ravi Ranjan Kujur
Riya Gari
Riya Gupta
Sahil Bharti
Sharban Kumar
Shipra Kumari
Shubam Kr. Pandey
Shubam Kr. Singh
Sumit Kumar
Sushant Abhishek
Sneha Raj
Upen Mahato

FACULTY MEMBERS

Dr. Jitu Kujur
Associate Professor &HOD
kujur.civil@bitsindri.ac.in

Prof. Sanjay Kr. Shukla
Adjunct Professor
skshukla.civil@bitsindri.ac.in

Dr. U.K. Singh
Professor
uksingh.civil@bitsindri.ac.in

Dr. M. Rajnarayan Ray
Associate Professor
maya.civil@bitsindri.ac.in

Dr. B D Yadav
Associate Professor
bdyadav.civil@bitsindri.ac.in

Prof. Sheo Kumar
Associate Professor
skumar.civil@bitsindri.ac.in

Prof. P.K. Sharma
Associate Professor
pksharma.civil@bitsindri.ac.in

Prof. Nishikant Kisku
Assistant Professor
nkisku.civil@bitsindri.ac.in

FACULTY MEMBERS

Dr. Sumit Kumar
Assistant Professor
sumit.civil@bitsindri.ac.in

Dr. Komal Kumari
Assistant Professor
komal.civil@bitsindri.ac.in

Prof. Nipen Kumar Das
Assistant Professor
nipenkdas.civil@bitsindri.ac.in

Prof. Prakash Kr Orang
Assistant Professor
prakashcivil548@gmail.com

Dr. Abhijit Anand
Assistant Professor
abhijit.civil@bitsindri.ac.in

Prof. Iqbal Sheikh
Assistant Professor
iqbal.civil@bitsindri.ac.in

Prof. Saroj Meena
Assistant Professor
saroj.civil@bitsindri.ac.in

Prof. Prashant Malviya
Assistant Professor
prashant.civil@bitsindri.ac.in

LABORATORY

We have well equipped labs for the wide range of studies for surveys and analysis of all the Civil Engineering Undergraduates and Postgraduates teachings and researches. They include varieties as follows -

- **Structural Lab**
- **Cement Concrere Technology Engg. Lab**
- **Building Materials & Construction Engg. Lab**
- **Transportation/ Highway Engg. Lab**
- **Adv. Soil Mech. Lab**
- **Soil Mech. Lab**
- **Environmental Engg. Lab**
- **Computer Lab**

STRUCTURAL LAB

Structural Lab provides knowledge of Fundamental research into the strength, fatigue resistance, serviceability, and safety of various structures.
Some Instruments used in the laboratory are Dial gauge, drawing board etc.

CEMENT & CONCRETE TECHNOLOGY LAB

Concrete and materials testing Lab is used to determine the physical properties of building construction materials like cement, fine and coarse aggregate. Students can design the mix, make the specimens and test their respective strengths

BUILDING MATERIALS & CONSTRUCTION ENGG. LAB

The Building Material Technology Lab is essential for civil engineering students, offering crucial equipment for material analysis such as the Compression Testing Machine, Pycnometer, Measuring Cylinder, and Specific Gravity & Water Absorption Test Apparatus with electronic balance.

TRANSPORTATION/ HIGHWAY ENGG. LAB

Highway & Transportation Lab does Quality Assurance and Quality Control tests for the Roads and Traffic engineering enables students to learn and prepare road improvement plans to enhance road safety. Instruments used in the lab includes Los Angeles Machine, Impact Testing Machine, etc.

ADV. SOIL MECH. LAB

Geotechnical Engineering Lab helps the students to get the idea of mechanics of soil and rocks with the help of instruments like Casagrande apparatus, Pycnometer etc and its applications to the development of human kind.

SOIL MECH. LAB

In our soil mechanics lab, we discover texture, density, moisture, compaction, and strength through experiments on soil which is crucial for civil engineering projects' foundation design and construction quality assurance.

ENVIRONMENTAL ENGG. LAB

The Environmental Engineering Lab in the Civil Engineering Department is essential for studying environmental factors. Students utilize advanced instruments to analyze water, wastewater, and air quality, contributing to advancements in environmental science.

COMPUTER LAB

CADD Lab is the latest addition of Civil Engineering Department. Systems have pre installed Design Softwares, for instance, Autodesk AutoCAD of latest version , MIDAS CIVIL and CIVIL 3D where we foster creativity and innovation in engineering.

NOTABLE ALUMNI

V.N. Choudhary
Energy professional, Former executive director, NTPC

K. Satya Narain
(1961) CMD, Engineers India Limited

Prof. Satya Mandal
Distinguished Prof. of Built Environment, Amity University

Satish Chandra Kesari (1987)
Expert Cryogenic and Air separation

Vikram Poddar
Senior Engineer, Indian Railway

NOTABLE ALUMNI

Vinay Kumar Sinha
(2002)Sub division Office, WRD, Patna

Shashi Sinha
(2005) Government of Bihar, Dept. of Water resource.

Mr.Kundan Kumar,
IFS,2009.

Mr. Anand Mohan,
PDIL, Delhi.

Dr. Sanjay Shukla,
Edith Cowan University, (Australia)

PLACEMENT STATISTICS

S.No.	Name	Roll No.	Company
1	AAKASH GAURAV	1905001	TCS - Ninja
2	AAKASH GAURAV	1905001	TSUISL
3	AAKASH GAURAV	1905001	JSW Steels
4	ABHISHEK KUMAR	1905003	Narayana
5	ABHIMANYU KUMAR SINGH	1905004	MU SIGMA
6	ABHISHEK KRISHNA	1905005	TCS - Ninja
7	ABHISHEK KRISHNA	1905005	TSUISL
8	ABHISHEK KRISHNA	1905005	JSW Steels
9	ABHISHEK KUMAR	1905006	L&T
10	ADARSH ARYA	1905007	L&T
11	AJAY KUMAR RAY	1905008	Cognizant-GenC
12	AJAY KUMAR RAY	1905008	TCS - Ninja
13	AJAY KUMAR RAY	1905008	Narayana
14	AKANSHA IRA	1905009	TCS - Ninja
15	ALOK KUMAR MAHTO	1905010	L&T
16	AMAN AAYUSH	1905011	AMNS
17	AMIM ALAM	1905012	L&T
18	ANIKET RAJ	1905015	MU SIGMA
19	ANIRBAN ROY	1905016	TCS - Ninja
20	ANIRBAN ROY	1905016	L&T
21	ANJALI KUMARI	1905017	AMNS
22	ANJANI HEMBRAM	1905018	Q Spider
23	ANKUR KUMAR	1905019	TCS - Ninja
24	ANMOL KUMAR MISHRA	1905020	Cognizant-GenC
25	ANMOL KUMAR MISHRA	1905020	AMNS
26	ANUJ KUMAR ANU	1905021	AMNS
27	ARCHANA MANDAL	1905023	AMNS
28	ARCHANA MANDAL	1905023	JSW Steels
29	ASHUTOSH KUMAR GUPTA	1905025	AMNS
30	ASHUTOSH SINHA	1905026	Capgemini
31	ASHUTOSH SINHA	1905026	AMNS
32	AVINASH YADAV	1905027	TSUISL
33	AYUSH AGARWAL	1905028	TCS - Ninja
34	AYUSH AGARWAL	1905028	Aakash Byju's
35	AYUSH VIJAYANT	1905031	Capgemini
36	AYUSH VIJAYANT	1905031	TCS - Digital
37	GOURAV ANAND	1905034	TCS - Ninja
38	HARSHIT PALLOVE	1905035	Cognizant-GenC
39	HARSHIT PALLOVE	1905035	Capgemini

PLACEMENT STATISTICS

S.No.	Name	Roll No.	Company
40	HIMANSHU KUMAR	1905036	Capgemini
41	INDU SHEKHAR DUBEY	1905039	TCS - Ninja
42	INDU SHEKHAR DUBEY	1905039	L&T
43	KANAK KUMARI	1905040	AMNS
44	KESHAR SONAL	1905042	Capgemini
45	KESHAR SONAL	1905042	AMNS
46	KRISHNA KANT KISKU	1905044	AMNS
47	Kumar Prakash	1905046	JSW Steels
48	KUMAR SANU	1905047	Capgemini
49	KUMAR SANU	1905047	AMNS
50	KUNDAN KUMAR	1905048	Narayana
51	MANISH KUMAR	1905049	Adani Group
52	MANTU KUMAR MEHTA	1905050	L&T
53	MANTU PRASAD SINGH	1905051	Cognizant-GenC
54	MANTU PRASAD SINGH	1905051	Capgemini
55	MANTU PRASAD SINGH	1905051	L&T
56	MD ARSHAD JAMALI	1905053	TCS - Ninja
57	MD SAHIL ANSARI	1905055	Capgemini
58	MD SAHIL ANSARI	1905055	L&T
59	MOHAN KUMAR SAH	1905056	TSUISL
60	MOHAN KUMAR SAH	1905056	JSW Steels
61	NAVEEN KUMAR	1905057	Adani Group
62	NILAM KUMARI	1905059	L&T
63	NISHANT KUMAR	1905060	Narayana
64	NISHANT SACHAR	1905061	L&T
65	PARAS KUMAR	1905063	L&T
66	PIYUSH KUMAR	1905064	AMNS
67	PRADEEP KUMAR MAHATO	1905066	AMNS
68	PREM KUMAR RAJAK	1905069	Capgemini
69	PRINCE KUMAR PRABHAT	1905070	KANTAR
70	Raj Rohit	1905071	Capgemini
71	RAJ ROHIT	1905071	L&T
72	RANDHIR KUMAR	1905073	Cognizant-GenC
73	RANDHIR KUMAR	1905073	Narayana
74	RAVI RANJAN	1905074	L&T
75	ROHAN ANAND	1905075	L&T
76	SATVIR KUMAR	1905077	Cognizant-GenC
77	SATVIR KUMAR	1905077	Adani Group
78	SAURABH KUJUR	1905078	MU SIGMA
79	SAURABH KUJUR	1905078	Adani Group

PLACEMENT STATISTICS

S.No.	Name	Roll No.	Company
80	SHALINI KUMARI	1905079	JSW Steels
81	SHASHIMITA GUPTA	1905080	AMNS
82	SHIBANULLAH KHAN	1905081	Cognizant-GenC
83	SHREY SHARMA	1905083	Jai Balajee
84	SUBHAM KUMAR	1905087	TCS - Ninja
85	SUBHAM KUMAR	1905087	Aakash Byju's
86	SUJAL KUMAR NIRALA	1905089	TCS - Ninja
87	SUMAN KUMAR SUMAN	1905090	TCS - Ninja
88	SURBHI BID	1905094	Capgemini
89	TARUN MODI	1905095	AMNS
90	UJJAWAL RAJ	1905096	JSW Steels
91	UJJWAL DEEP	1905097	TCS - Ninja
92	VED PRAKASH	1905098	TCS - Ninja
93	VED PRAKASH	1905098	TSUISL
94	VICKY KUMAR MANDAL	1905099	L&T
95	KAUSHIK KUMAR	1905103	TCS - Ninja
96	KESHAW KUMAR	1905104	Capgemini
97	KESHAW KUMAR	1905104	JSW Steels
98	KUNDAN KUMAR	1905106	Cognizant-GenC
99	PIYUSH KUMAR	1905111	AMNS
100	PIYUSH KUMAR	1905111	JSW Steels
101	SAURABH KUMAR	1905112	L&T
102	NIHAL RANJAN	1905113	Adani Group
103	RAMAN SAURABH	1905114	L&T
104	CHANDAN PRASAD	1905115	Narayana
105	RAHUL DEO	1905116	Capgemini
106	AMRESH KUMAR	1905117	L&T
107	SACHIN KUMAR GUPTA	1905118	Narayana
108	MUKESH KUMAR MANDAL	1905119	Q Spider
109	AJIT KUMAR YADAV	1905120	Century Ply
110	ABHISHEK PRASAD GUPTA	1805002D	Jai Balajee
111	AKSHAY KUMAR MAHTO	2005001D	AMNS
112	ANAND KUMAR SINGH	2005002D	Q Spider
113	HIMANSHU KUMAR SINHA	2005005D	L&T
114	VINIT KUMAR DUBEY	2005015D	Q Spider

ACHIEVEMENTS

1. **MITACS Globalink Research Internship**
    1. Dalhousie University, Canada
       2021
       Awarded Milan Kashyap, 2018 Batch

    2. University of Victoria, Canada
       2022
       Awarded Shashimita Gupta 2019 Batch

    3. Lakehead University, Thunder Bay
       2022
       Awarded Ashutosh Sinha 2019 Batch

2. **IFAT India** organized 6th University Challenge competition at Bombay Exhibition Centre. BIT Sindri's civil department team comprising Animesh Kumar Singh, Ashutosh Kumar and Sushanto Shekhar banged 1st position and brought glory to ACE BITS.

3. We were delighted to share that **Chanda Bharti**, a BIT Sindri graduate and Civil Engineering student, had earned the **second overall rank in the BPSC** and the top spot for female candidates. She made the entire BIT family, as well as the Royal Civil discipline, proud, and ACE BIT Sindri congratulated her for doing so.

4. ACE proudly shares the glorious result of **Ms. Prachi Apoorva**, a student of batch of 2015, triumphantly achieved **AIR 18 in the 66th BPSC** exams and was subsequently named the Sub-Election Officer. She was an all rounder. Her tenacity and diligence demonstrate the skills a Civil Engineering Undergraduate in BIT possesses.

5. **Aman Raj Singh** (2k18) has achieved a record-breaking **AIR 57 in GATE 2023**, which is an outstanding achievement and ACE BIT Sindri is happy to announce this. ACE BIT extends its sincere congratulations to him on his accomplishment .

6. **Ayush Kumar Singh** (2k17) has achieved a record-breaking **AIR 193 in GATE 2022**, which is an outstanding achievement and ACE BIT Sindri is happy to announce this.

ENTREPRENEURSHIP:

Karan Raj Mehta (2016-20 batch),Founder & CEO “Milo Doctor” (Previously Yu Medic) which is a healthcare service providing company which is making healthcare more accessible in tier 2-3 cities of the country.

WALL PAINTING COMPETITION

Date :- 23rd January , 2024

Description :- The team of wall painting from the civil engineering branch exhibited remarkable artistic skills and emerged as the WINNER of the competition. Ashutosh Kumar demonstrated exceptional leadership qualities. Rahul Kalindi showcased his impressive artistic skills.
Md. Afroz executed his unique ideas on the wall, and Sundaram contributed significantly to the team's execution of these ideas.

INTER BRANCH KHO KHO TOURNAMENT

Date :- 17th January , 2023

Description :- On the pitch ACE BITS adores the Civil Kho Kho team who displayed an outstanding performance in the "Inter Branch Kho Kho Tournament," which was hosted by The Sports Club, BIT Sindri, was a particularly memorable event for Civil Girls', who finished in the Runner-up spot!!

INTER BRANCH TUG OF WAR TOURNAMENT

Date :- 3rd September , 2023

Description :- The team of tug of war, from Civil Engineering branch showed impressive strength and teamwork and finished as runner up in inter branch tug of war competition organised by sports club BIT Sindri. The determination, team work and unwavering spirit of the team was really admirable.

INNTER BRANCH BADMINTON TOURNAMENT

Date :- 19th January , 2024

Description :- We are happy to announce the boys badminton runner up CIVIL.Your precision on the court and strategic brilliance have set a new standard.Your hard work and dedication have paid off.Your tenacity,skill,and sportsmanship throughout the tournament have been truly commendable.

EVENTS & ACTIVITIES

SATURDAY'S SHEAR

(WEEKLY POST)

Every Saturday, new developments in the field of civil engineering are announced on our social media handles to keep the students informed.

A LIVE WEBINAR

Date: 24 Oct , 2021

Description:- ACE BIT Sindri has hosted a webinar on "**Career Opportunities in Civil Engineering**" and invited **Mr.VIVEK GUPTA SIR** to share his experience & enlighten our path. He is a very well-known personality for his work in the field of education. Acknowledging some of his successes, sir was an Ex IES officer, he had secured AIR - 10. He also had AIR 17 in the GATE examination. He has done M. Tech from IIT Delhi in structure stream.He is a star educator in Civil Engineering on the UNACADEMY platform. He was is of the best teachers of Structural Engineering in India.

Webinar link :
https://youtu.be/P9QXWBfUIn8

WEBINAR

BUILDING INFORMATION MODELING (BIM)

Held on 2nd May 2022.

Speaker :- Sachin Amarnath
Founder and CEO , Skillbind Education.

ACE held this informative webinar on BIM involving the generation and management of digital representations of physical and functional characteristics of places.Sir Sachin Amarnath gave valuable insights regarding BIM.

WEBINAR

Career Opportunities in REAL ESTATE, CONSTRUCTION & FINANCE MANAGEMENT for Civil Engineers

Held on 6th Jan 2024.

Speaker :- Mr. Abhay Kumar
Director, Institute of Real Estate and Finance (I.R.E.F.)

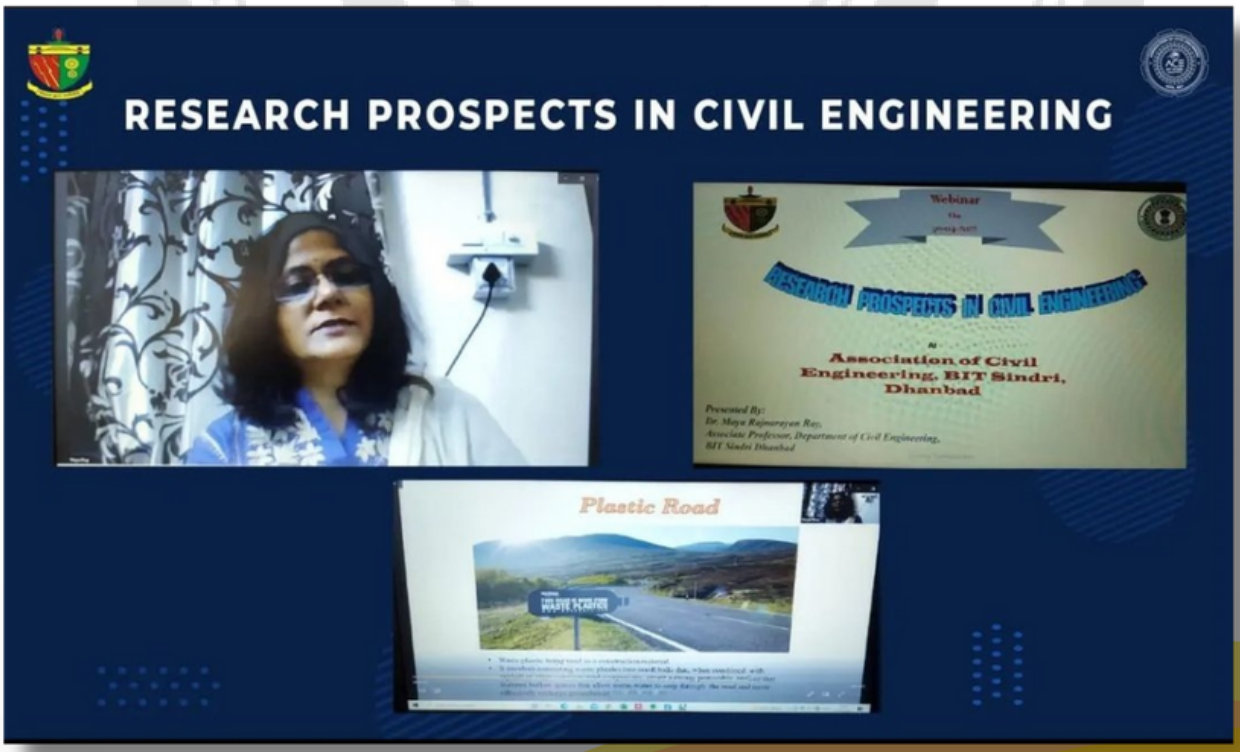
The Association of Civil Engineers (ACE) of BIT Sindri presented a thought-provoking webinar, with Mr. Abhay Kumar, Director of IREF. Mr. Kumar gave insightful information on job options in construction, finance management, and real estate.

WEBINAR

RESEARCH PROSPECTS IN CIVIL ENGINEERING
Held on 30th April 2022.

Speaker :- Prof.(Dr.) Maya Rajnarayan Ray
Associate Professor ,
Department of Civil Engineering , BIT Sindri

ACE BIT Sindri organized a webinar on the subject 'Research Prospects in Civil Engineering' to educate the engineers on the information that goes beyond the pages of a book. Dr. Maya Rajnarayan Ray, a professor in the civil department, served as the keynote speaker. Additionally educating the pupils with their words were Dr.Prof.Ghanshyam, T.P.O, B.I.T Sindri.



TOPPER'S TALK

Date of event : 04/06/2023

For this session of Topper's Talk, we had **Aman Raj Singh**, Batch of 2k18-22, **GATE RANK-57**. Students openly cleared their doubts regarding GATE preparation.The session concluded with motivating energy.

TOPPER'S TALK

Date of event : 04/06/2023

TOPPER'S TALK

Date : 17/06/2022

For this session of topper's talk, we had **Ayush Kumar Singh** from batch of 2k17, **AIR-193, GATE 2022**, with us to guide the students . He addressed several kinds of doubts and queries and guidance related to GATE and other competitive exam preparations.

TOPPER'S TALK

Held on 10th August 2021

Speaker :- Prachi Apoorva
Civil Engineering (Batch 2015-19)
AIR 18(BPSC RANKER)

A live webinar with **Prachi Apoorva**, a civil engineering graduate from BIT Sindri's class 2k15 who triumphantly earned **AIR 18 in the 66th BPSC exams**, who spoke with the students about her exam-taking tactics and answered their questions.

E-CONSTRUCT '22

Date :- 11th July to 6th August 2022

Description:- Association of Civil Engineers, BIT Sindri had a gripping event E-CONSTRUCT, a platform for everyone to share with us their favorite Civil structure. Be it a magnanimous dam shielding multitudes from the dreary floods or a small bridge that makes up for some enthralling scenic beauty. The participants had to share their pictures with their favorite structure.

E- Construct ' winners :-

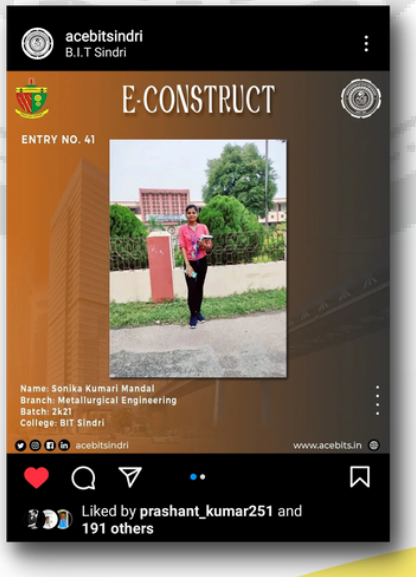
1st :- Hritam Swami, Civil Engineering, Batch 2020

2nd :- Sonika Kumari Mandal, Metallurgical Engineering, Batch 2021

3rd :- Kunal Kumar, Civil Engineering, Batch 2021

1st

2nd



3rd

E-CONSTRUCT '23

Date :- 28th June to 3th August 2023

Description:- BIT Sindri's Association of Civil Engineers hosted an engaging event, E-CONSTRUCT, inviting participants to showcase their beloved civil structures. Whether it's a grand dam safeguarding against floods or a quaint bridge enhancing scenic vistas, participants shared captivating images of their favorite structures.

E- Construct '23 winners :-

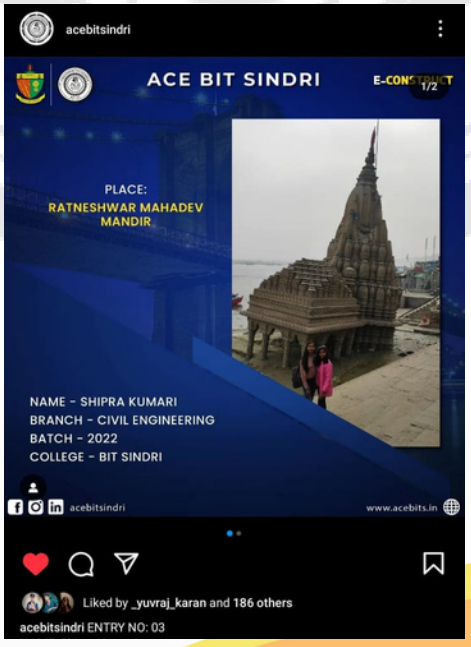
1st :- Amrit Raj, Electrical Engineering, Batch 2022

2nd :- Shipra Kumari, Civil Engineering, Batch 2022

3rd :- Mahika Barnwal, Information and Technology, Batch 2022

1st

2nd



3rd

TEACHER'S DAY

Date: 05/09/2022

ACE BIT SINDRI celebrated Teacher's Day to honor the professors of our Civil Engineering Department.

The event kicked off with a lamp lighting ceremony by our director sir along with the professors, assisted by our seniors.A speech was delivered by the Honorable Director Dr. D.K.Singh Sir. After the speech, the event was followed by poetry, songs, and speeches given by students and professors. Quiz segment was also organised for teachers where they were presented with the memento.The event ended with a questionnaire round for students.

TEACHER'S DAY

Date: 05/09/2023

Under the guidance of the Civil Engineering Society, ACE BIT SINDRI celebrated Teacher's Day with great enthusiasm and fervor to honor the professors of the Civil Engineering Department.

The event began with the lamp lightening ceremony by Prof. Ghanshyam sir (Chairman, CDC BIT SINDRI) accompanied by Dr. Jitu Kujur sir (HOD) and other professors. After that professors went along with a cake cutting ceremony. Then, Dr. Pankaj Rai sir(Director, BIT SINDRI) gave a motivational address followed by other professors. As the day unfolded students took center stage with captivating song, poetry and speech, all dedicated to our beloved mentors. Finally the event was concluded by Prof. Prashant Malviya sir by giving vote of thanks.

ENGINEER'S DAY '22

Date of the event: 15/09/2022

Description: ACEBITS organised a technical session. Prof. S C Dutta was the guest of honour for the day. He is a professor in Indian Institute of Technology(ISM) Dhanbad and a specialist in structural dynamics.He took the session sharing technical aspects of civil engineering. Later the celebration took place to commemorate and celebrate the birth anniversary of Er. Mokshagundam Visvesvaraya on the occasion of Engineer's day.

ENGINEER'S DAY '23

Date of the event: 15/09/2023

Description: ACEBITS organised a technical session.Our event had shined in the presence of distinguished guests, including the renowned Prof. Dr. S.K Gupta, Professor at IIT(ISM) Dhanbad, Dr.M.K.Chandra, Former Honorary Secretary IEI Dhanbad Local Centre and present director Techno India - Kolkata, Dr.Biswajit Paul, Honorary Secretary, IEI Dhanbad Local Centre. Later the celebration took place to commemorate and celebrate the birth anniversary of Er. Mokshagundam Visvesvaraya on the occasion of Engineer's day.

ALUMNI MEET

ALUMNI MEET: On 20th November, 2022

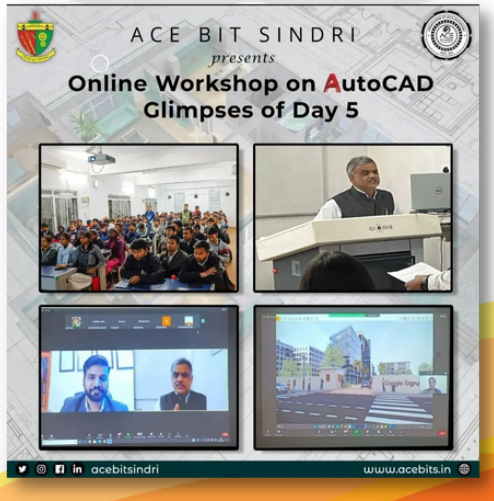
ACEBITS welcomed Alumni(Batch of 1972 and 1993) from the Department of Civil Engineering to their departmental building for a meet. We are proud to say that it was an absolute honor to meet with our alumni who shared their college, life and work experiences with us. Each of them had their own inspiring stories which glazed the fire of motivation inside the students. It was an interactive session by our Super Seniors. We are grateful to them for blessing us with such an insightful experience.

AUTOCAD WORKSHOP

Date: 15th Dec to 19th Dec , 2022

Description :- ACE BITS organised a 5-day online workshop on AutoCAD, which provided training and introduced students to the software. PTS CAD Experts Mr. Tarun and Mr. Rajat, along with managing director Mr. Prashant Kumar Saini, were the chief guests and mentors, with 10+ years of experience in the field. Discussion of AutoCAD elements, offset sections, isometric drawings, and 3-D drawings was done. The session was educational and enlightening, with interactive quiz rounds and many students winning prizes.

AUTOCAD WORKSHOP



AVLOKAN'23

Date of the event: 22/02/2023 to 28/02/2023

ACE BITS embarked on a journey to explore the marvels of science. The week featured various interactive sessions, quizzes, model making, a tribute to notable figures, and technical presentations.

It was a seven-day Science Week with the following activities:

- Updesh (Panel Discussion)
  Session 1, Session 2
  Date :- 22.02.23
  Session 3
  Date :- 23.02.23, 24.02.23
  Session 4
  Date:- 25.2.23

- Samvad (Interactive Session)
  Session 1
  Date:- 23.02.23
  Session 2
  Date - 24.02.23

- Chakravyuh (Science Quiz)
  Date:- 22.02.23

AVLOKAN'23

- Nirmaan (Model Making)
  Date:- 24.02.23

- Science-ke-Shaan (Remembering renowned Personality)
  Date:- 23.02.23

- CAD-MAN (CAD Event)
  Round 1
  Date:- 22.02.23
  Round 2
  Date:- 23.02.23

- Vitarkh(debate competition)
  Date:- 24.02.23

- Genesis (Technical-paper presentation)
  Date:- 28.02.23
  Students from different branches actively took part in this extravagant science event for scientific development of society for future prosperity.

UPDESH

UPDESH was a event under AVLOKAN'23. The panel discussion by experts on various topics like energy, climate, and technology ,etc. took through video conferencing. Professionals from various fields shared their experiences.

UPDESH was held in 5 sessions:

UPDESH Session-1
Prof.S.K Prasad
Professor & Head
Civil Engineering,
VVCE, MYSURU.
Topic:- “Geotechnical for Infrastructure”.
Date: 22.03.2023

UPDESH Session-2
Prof. (Dr.) Sanjay Kumar Shukla
Edith Cowan University, Perth, Australia.
Topic :- “Application of Geosynthetics in Ground Engineering”
Date: 22.03.23

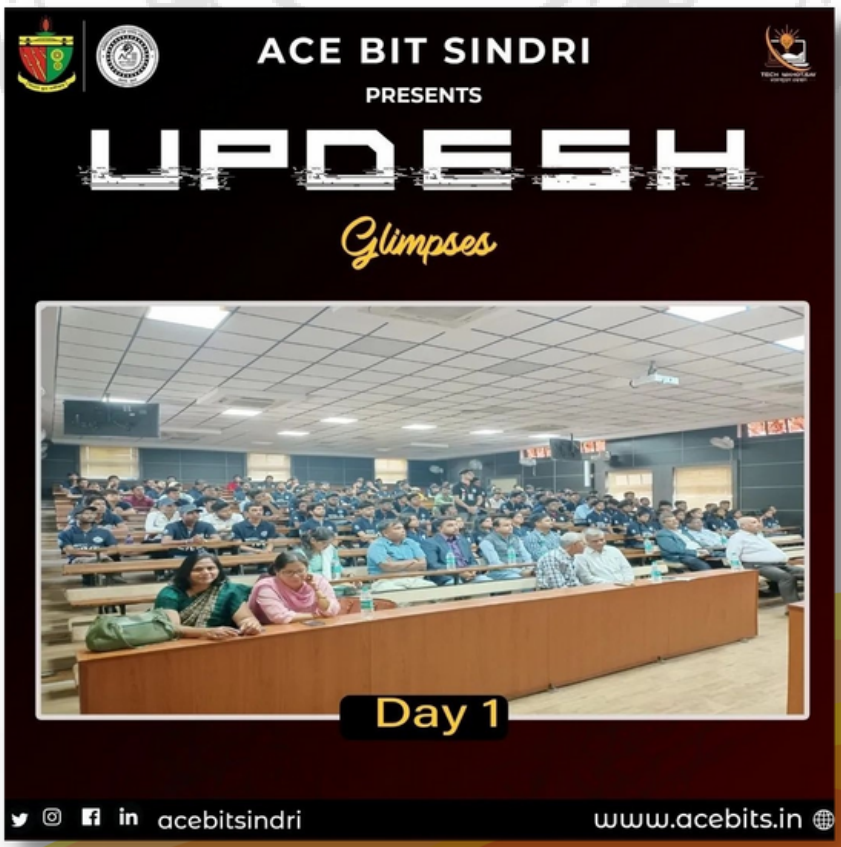
UPDESH Session-3
Dr. Sunil Kumar
Senior Scientist & Head, CSIR.
Topic:- “Environmental Engineering:-
An opportunities for Civil Engineering Stududents"
Date:23.03.23

UPDESH Session-4
Prof. N.S Maurya
Professor, Civil Engineering Department, NIT Patna
Topic :- “Green House Gas Emission from Domestic Waste water Treatment”
Date:24.03.23

UPDESH Session -5
Prof. Sanjeev Sinha
Professor, Civil Engineering Department & Dean (Academic), NIT Patna
Date : 23.03.23

UPDESH

ACE BIT SINDRI
PRESENTS
UPDESH
Glimpses
Day 1
acebitsindri
www.acebits.in


ACE BIT SINDRI
PRESENTS
UPDESH
Glimpses
Day 1
acebitsindri
www.acebits.in

SAMVAD

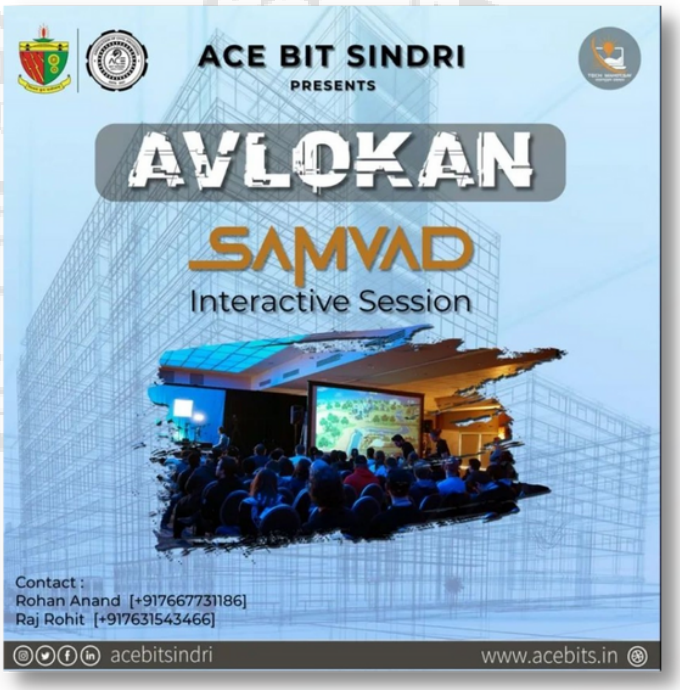
Date:23/02/2023 - 24/02/2023

Description: We invited students of schools and polytechnic colleges with professors of engineering college, researchers and experts to have an interactive session with students on the following topics in offline mode.

Topics: 1.Career choices and opportunities in the future.
2.Climate change and its impact on the environment.
3.The importance of sustainability in business and industry.
4.Understanding different types of government and political systems.
5.Understanding different types of diets and nutrition.

Samvaad got concluded in 3 sessions:

Session 1:
Guest Speaker:Prof.A S Maurya, Professor, Department of Earth Sciences, IIT Roorkee.
Topic:- “Glacial Melt Potential of Himalyan Rivers”.



Session 2:
Dr.Nityanand Singh Maurya, Professor, Civil Engineering Department, NIT Patna.

Session 3:
Prof . Sushil kr. Saraswat ,Professor & Head Chemical Engineering Department MBM University, Rajasthan.
Topic – “ THE IDEAL NEXT GENERATION FUTURE FUEL".

CHAKRAVYUH

Date :- 22/02/2023

Description :- CHAKRAVYUH : A SCIENCE QUIZ was the most intriguing session of AVLOKAN'23, organised by ACE BITS, under the TECH UTSAV of Science Week. The 6 tenacious teams advanced to the session's second round, which featured 4 engrossing segments. In addition, the whole arrangement provided by the seniors, also conyveyed the message of importance of having fun and learning from all the available resources.

Winners :-

1st :- Team Abhimanyu
2nd :- Team A CUBE
3rd :- Team Tejas

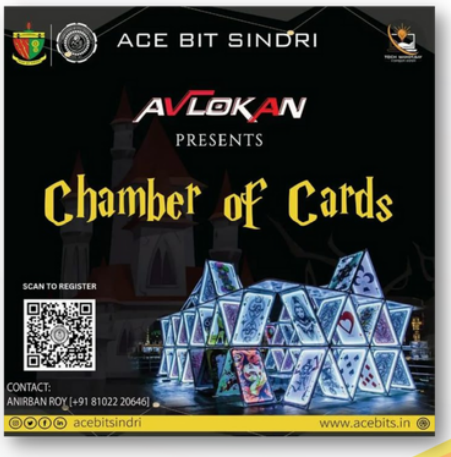
NIRMAN

Date of event : 25/05/2023

Description :- NIRMAN which was a "Model Making Competition" organized by ACE BITS under AVLOKAN'23 comprised of two segments which were Chamber of cards and Game of Truss. These were the most innovative and enthralling sessions.

"**Chamber of cards**" was a model making competition which gave an opportunity to build something ingenious and came up with an inventive model.

"**Game of truss**" was again a model making competition in which models were made up of sticks which eventually boosted the creativity of the participants.



NIRMAN

Date of event : 25/05/2023

Name of the event :- NIRMAN (A Model Making Competition)

Winners of Game of Truss
1st :-Team
Khusdil Yashin (2k20)
Abhishek Prajapati (2k22)
David Kumar Mahato (2k22)
Ajay Mahato (2k21)
Sakshi Mishra (2k21)

Winners of Chamber of cards
1st :-Team Explorers
2nd :-Team Vikalp.
3rd :- Team Furious 5

Winners of Game of Truss
2st :-Team (Trinity)
Team captain:
Akash Bhushan(2020)
Team members:
Vikram Pandey(2021)
Vishal Kumar(2021)
Harsh Kumar(2022)
Harshita Kashyap(2022)

Winners of Game of Truss
3rd :-Team (Golden Eagle)
Team captain:
Rohit Kumar (2020)
Team members:
Shashikant Mahato (2021)
Shivam Mishra (2021)
Vikash Kumar (2021)
Mehar Telat (2021)

SCIENCE KE SHAAN

Date :- 23rd February, 2023

Description:- SCIENCE KE SHAAN was another engrossing event presented by ACE BITS under AVLOKAN '23 remembering famous personalities . All brilliant minds have participated and pushed the boundaries of scientific exploration . Their passion and dedication to advancing knowledge were truly inspiring.

Winning Team members:
Abhinav Raj (2k21)
Anshuman Shekhar(2k21)
Sameer Gupta (2k21)
Harsh Kumar Saw(2k21)

Runner Up Team members:
Ayushi Kumari(2k21)
Abhipriya (2k21)
Khushbu Mehta (2k21)
Shruti Roy (2k21)

SCIENCE KE SHAAN

CADMAN

Date of event :- 28th February 2023

Description:-CADMAN was something new and exciting with the aim of creating awareness among people about science & technology. Therefore ACE BITS had organized the event to learn, enjoy and have fun with science and to nurture observing,inferring and communicating skills and dive into the interesting world of science.

Winners :-
1st - Rohit Mahato , Batch 2021
2nd - Vishal Kumar Mahato , Batch 2021
3rd - Deepak Kumar , Batch 2022

GENESIS

GENESIS - A technical paper presentation organised by ACE BITS.
This was the competition which showcased the creativity of new minds and also honed the students' skills.

Eligibility: 1st 2nd 3rd and Final Year undergraduate students.

STAGE1: Abstract Submission Round

This was an elimination round based on abstract where participants submitted abstract based on the topics provided for technical paper presentation as per the topics provided.

STAGE2: Question & Answer Round

This was the second elimination round.

Questions were asked to each group by the panel. This round was conducted online on 28th Feb 2023
Top 10 were selected for next round.

STAGE 3: Technical Paper Presentation Round

Those who got qualified in the previous stage presented their complete paper in front of judging panel in online mode on 28th Feb 2023.

Topics for the Technical Paper were given as-

1. Engineering graphitic channels for water purification
2. Properties of 3D printed concrete with systematically placed fiber reinforcements
3. Confined Masonry for the construction of Residential houses
4. Earthquake Resistant Design of Foundation
5. Sustainable materials and green buildings

GENESIS

6. Geosynthetics and Reinforced Soil structures

7. Impacts of Climate Change on Water Resources

8. Integrated Water Resources Management

9. Solid waste utilization in construction materials

10. Pavement design by using Geotextile

11. Designing Of Perpetual Pavement

12. Stability of mine overburden dump slope under rainfall and earthquake

13. Utilization of fly ash as an alternative to natural soil: Challenges

14. Feasibility study on using jute fiber for ground improvement

15. Construction of foundation in hilly area susceptible to high magnitude of rainfall

16. Application of artificial intelligence (AI) in predicting the liquefaction susceptibility of soil

After this wonderful event, ACE BITS Congratulated to all the winners in this contest for their mindfulness and talent which certainly made them stood out.

The winners were:

1st Saurabh Kumar (2k20)
2nd Khusdil Yasin (2k20)
3rd Shivam Mishra (2k21)

GENESIS

ACE BIT SINDRI
PRESENTS
GENESIS
WINNERS
1
SAURABH KUMAR (2K20)
Civil Engineering
2
KHUSDIL YASIN (2K20)
Civil Engineering
3
SHIVAM MISHRA (2K21)
Civil Engineering
acebitsindri
www.acebits.in

ACE BIT SINDRI
PRESENTS
AVLOKAN
GENESIS
Technical Paper Presentation
Contact :
Alok [+917782018118]
acebitsindri
www.acebits.in

VITARKAH

Date :- 24/02/2023

Description :- ACE BITS organised AVLOKAN '23 which comprised VITARKAH : A DEBATE COMPETITION. There were three rounds, which featured enthralling segments. The whole competition provided us with lots of knowledge and experience.This also helped the students to upgrade their skills and sharpen their minds by participating in this brainstorming segment.

VITARKAH winners :-

1st :- Team Samadhaan
2nd :- Team phenomenal
3rd :- Team Pirates

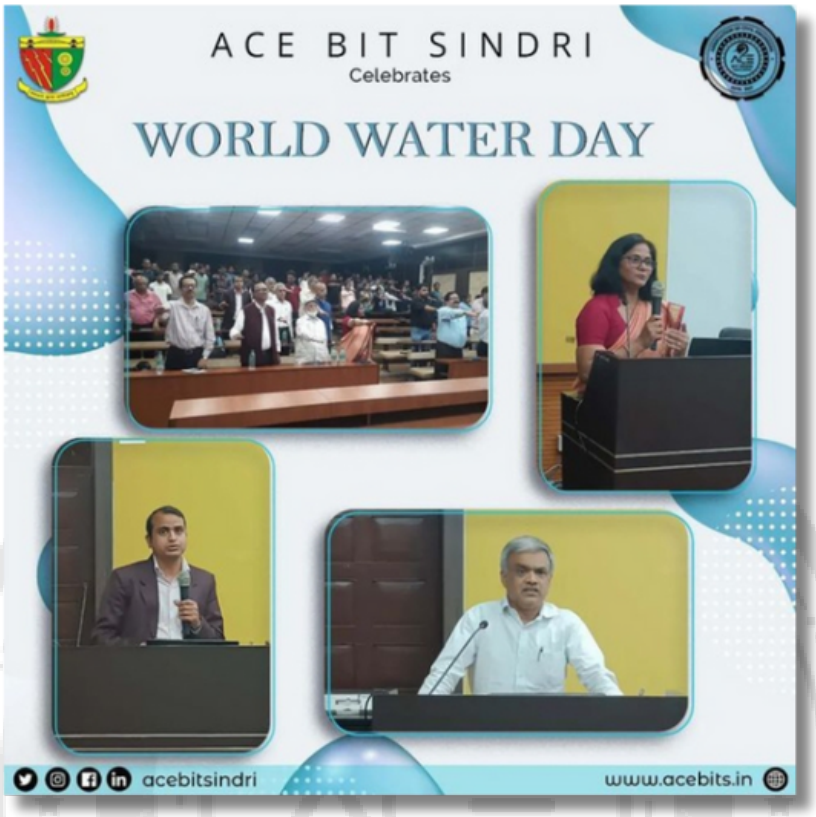
WORLD WATER DAY

DATE of event - 22/03/23

On the occasion of World Water Day, ACE BITS organized a seminar on "Accelerating Change" and "Water Conservation."

The seminar kicked off with Saraswati Vandana and a lighting lamp ceremony, followed by a welcome speech by the honourable Director, Dr. D.K. Singh. The event was graced by the Training and Placement Coordinator, Prof. (Dr.) Ghanshyam, Sir.

WORLD WATER DAY



The respected speakers of the seminar were Dr. Harinarayan Tiwari, Dr. Ratnakar Swain, Dr. Vikas Kumar Vidyarthi, Dr. D.K. Singh, Dr. Vikram Pandey, Dr. Maya Rajnarayan Rai, Prof. N.K. Das, and Prof. Iqbal Sheikh.

They discussed the present-day and upcoming challenges faced in the field water resources,highlighting their consequences and enumerating key solutions to overcome those obstacles.The session was highly insightful and helped the aspiring engineers gain information that should provide a pathway that enables sustainable development with its application.

BRAINWAVE

ACE BITS organised the most entertaining , innovative and exciting event BRAINWAVE - A conclave . It was a group discussion organized at the Civil Engineering Department for the students to engage themselves in an interesting and knowledgeable event.

Session: 1

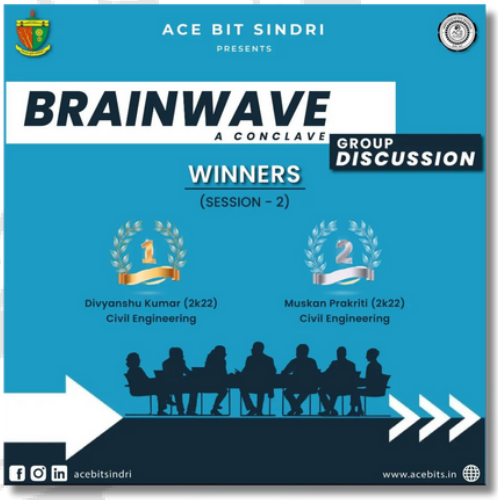
Date of event : 20/05/2023

Winners of BRAINWAVE:
Winner: Sushant Abhishek
Runner Up: Shipra Kumari

Session: 2

Date of event : 12/08/2023

Winners of BRAINWAVE:
Winner: Divyanshu Kumar
Runner Up: Muskan Prakriti



Session: 3

Date of event : 27/08/2023

Winners of BRAINWAVE:
Winner: Aditya Anand
Runner Up: Ajay Mahato and
Prince Michael Milton

BRAINWAVE

Session: 4

Date of event : 10/09/2023

Winners of BRAINWAVE:
Winner: Divyanshu Kumar Singh
Runner Up: Muskan Prakriti and
Divyanshu Kumar

Session: 5

Date of event : 02/03/2024

Winners of BRAINWAVE:
Winner: Suman Kumari
Runner Up: Tisha Khalko

PLATINUM JUBILEE LECTURE SERIES

Topic : "Behaviour of Soft Soil Reinforced with Stone Column."

Held on 8th Dec 2023.

Speaker :- Dr. Suresh Kumar
Assistant Professor, Civil Engg. Dept. , IIT BHU

ACE BITS orchestrated an enlightening lecture series.The inaugural session of this lecture series, graced by esteemed Chief Guest Suresh Kumar Sir, Assistant Professor at IIT BHU, delved into the intricate realm of soft soil reinforced with stone columns. Accompanying luminaries, Mr. Motilal Vats and Sunil Kumar Aggarwal, shared profound life experiences, emphasizing the significance of perseverance and honesty in the pursuit of success. The event commenced with a gracious bouquet presentation to the dignitaries

PLATINUM JUBILEE LECTURE SERIES

Topic : "Challenges & Career Opportunities in the current scenario."

Held on 12th Jan 2024.

Speaker :- Mr. Jitendra Tiwari
Educationlist

PLATINUM JUBILEE LECTURE SERIES

Topic : "Insights into Characterizing Materials."

Held on 18th Jan 2024.

Speaker :- Dr. Nisha Shankhwar
Doctoral Research Associate , Special Center for Nanoscience, JNU Delhi

PLATINUM JUBILEE LECTURE SERIES

Topic : "Engineering Solutions foe a Sustainable World"

Held on 4th March 2024.

Speaker :- Dr. Avinash Singh
Assistant Professor,Civil Engg. Dept. ,IIT(ISM) Dhanbad

Department Of Civil Enginering BIT SINDRI orgnising a seminar on the topic **WORLD ENGINEERING DAY FOR SUSTAINABLE DEVELOPMENT 2024** "Engineering Solutions for a Sustainable World".We are pleased to have Prof. (Dr.) Avinash Singh, Assistant Professor, Civil Engg. Department IIT (ISM) Dhanbad as our speaker for this informative session to share his experience & enlighten our path.This seminar highlights the critical role engineers play in developing innovative solutions to address global challenges such as climate change, poverty, and inequality.

ACE BIT SINDRI

ESTD. 2017

WORK EXPERINCE

Civil Engineering has served mankind since time immemorial. It has been at play since human civilization learnt to build homes, bridges and roads

60+ CORE MEMBERS

400+GENERAL MEMBERS

MOTO

Construct

Communicate

Coordinate

CONTACT US

+91-7991128157
+91-7050156310

SOCIAL MEDIA

acebitsindri

WEBSITE

www.acebits.in