



Vidyavardhini's College of Engineering & Technology

Department of Civil Engineering



A Brief Report on *A Panel Discussion on “Bridge the Gap”*

Event Details: Panel Discussion at VCET, Vasai, arranged by Civil Department.

Duration: 31st March, 2023.

Venue: Vidyavardhini's College of Engineering & Technology, Vasai West.

Introduction

The Department of Civil Engineering at Vidyavardhini's College of Engineering & Technology organized a thought-provoking Panel Discussion on "Bridge the Gap" on 31st March, 2023. The event aimed to bring together experts and professionals from the field of civil engineering to discuss and address critical gaps, challenges, and opportunities in the industry.

Agenda and Participants

The event featured a diverse panel of experts, including renowned civil engineers, architects, project managers, and educators. The agenda included discussions on various topics related to the field of civil engineering, with a focus on bridging gaps and promoting innovation.

Key Highlights:

1. **Inaugural Address:** The event began with a welcome address by Dr. Ajay Radke, Head of the Department of Civil Engineering, emphasizing the importance of bridging gaps in the industry for its continued growth and development.
2. **Panel Discussions:** The panel discussions were thoughtfully structured, covering a wide range of topics, such as sustainable infrastructure, emerging technologies, regulatory challenges, and industry-academia collaboration.
3. **Interactive Sessions:** The audience actively participated in the discussions, asking questions and sharing their experiences and insights.



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4. **Guest Speakers:** Distinguished guest speakers provided valuable insights into the industry's future trends, emphasizing the need for innovative solutions to address existing gaps.
5. **Networking Opportunities:** Attendees had the chance to network with the panelists and fellow participants, fostering collaboration and knowledge sharing.
6. **Closing Remarks:** The event concluded with closing remarks by Dr. Ashutosh Dabli, Associate Professor, encouraging all stakeholders to continue working together to bridge gaps and drive progress in the field.

Conclusion

The Panel Discussion on "Bridge the Gap" was a resounding success, providing a platform for in-depth discussions and meaningful interactions among experts, educators, and students in the field of civil engineering. The event highlighted the importance of addressing industry challenges and working together to create a more sustainable and innovative future for civil engineering.

Acknowledgments

The Department of Civil Engineering would like to express its gratitude to all the panelists, guest speakers, participants, and the organizing committee for making this event a success.



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❖ Some Glimpses:





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Mr. Viren Chandanshive
Staff-In-charge
IGBC Student Chapter

Dr. Ajay Radke
H.O.D. Civil



A Brief Report on
PRODUCT SHOWCASE 2022
By Civil Department at VCET, VASAI

Event Details: PRODUCT SHOWCASE at VCET, VASAI, arranged by Civil Department in 2022.

Duration: 23rd September, 2022.

Venue: Vidyavardhini's College of Engineering & Technology, Vasai West.

Introduction

The Product Showcase 2022 (Exhibition) is organized by students and various engineering products are showcased to create the advancements taking place in the respective fields/industries. Also, it helps the Exhibitors to publicize their products & create new channel partners through this Product Showcase. This exhibition provides a platform to our students to interact with industry persons as well it creates the awareness of the recent industry advancements in the field of civil engineering.

Main Objectives of conducting this Product Showcase are as follows:

- (1) Exposure of advancements in the industry to the students.**
- (2) Industry Interaction with students for better understanding of practical world.**
- (3) To fill the gap between the theoretical concept and practical applications.**
- (4) Inviting interested Companies/Industries for Recruitments/Internships or any kind of short trainings for Civil Engineering Students.**



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❖ **Staff Involved:**

Sr. No.	Name of Faculty	Committee	Responsibilities
1.	Dr. Ajay Radke	Head of Department	To co-ordinate with the IGBC co-ordinator and supervise the event.
2.	Mr. Viren Chandanshive	IGBC Staff In-Charge	To supervise the IGBC students for organising the events.

❖ **BE Co-ordinators**

Sr.No.	Name of the Student	Post
1	Tanmayee Tele	President
2	Adarsh Pal	Vice-President
3	Hardik Vora	Treasurer
4	Atish Pradosh	Sponserhip Head
5	Sakshi Pashte	Creative Head
6	Varun Valia	Technical Head
7	Ujala Yadav	Data Management Head
8	Roshani Salunkhe	Publicity Head
9	Kanchan Chauhan	Publcity Head
10	Raj Naik	Industry- Intitute Interaction Head
11	Jay Jadhav	Task Force Head



❖ **Industries Participated in Product Showcase**

The industries participated in the Product Showcase 2022 and their products that are related to Civil Engineering are listed below:-

- 1. Vedantrik Enterprises-**
 - a) Rebound hammer
 - b) halfcell potentiometer machine
 - c) anvil
- 2. Asian Paints-** Paints
- 3. Future Interior**
- 4. Optic Vyu-** Construction Cameras
- 5. Shree Precast-** Precast+Paver block
- 6. Tiki Tar Danosa India Pvt. Ltd-**
 - a) Water Proofing Ranges
 - b) Bituminous Membranes
 - c) Acoustic Insulation
 - d) Thermal Insulation
 - e) Geo Textiles
 - f) Synthetic Membranes
- 7. Krishna Conchem-**
 - a) Repair mortar
 - b) Corrosion protective coatings
 - c) Rust Converters
 - d) Inhibitors
 - e) Epoxy grouts
 - f) Fibre wrapping system
 - g) Anti-Carbonation Coatings
 - h) Sacrificed anodes
 - i) Sustained Release Caplets



8. AkzoNobel India Ltd. (Dulux)-

- a) Dulux aqua tech waterproofing Ranges
- b) Dulux Exterior Emulsions
- c) Dulux interior Emulsions

9. A Tech IT Company-

- a) Websites
- b) Andriod apps
- c) Digital Marketing

10. Genesis Infoserve-

- a) Software Licensing
- b) BIM consulting
- c) IT Solutions

11. HIL Ltd – Plumbing Solutions including

- a. CPVC
- b. UPVC
- c. Column pipes
- d. SWR
- e. Pressure Pipes

❖ **Outcome and Key Parameters of Product Showcase 2022- Nirmiti:**

➤ **Importance of Industry-Institute Collaboration:**

Such events plays critical role in collaboration between academic institutions and industries plays in the overall development of both sectors. Also, emphasized that such partnerships bridge the gap between theoretical knowledge acquired in classrooms and practical application in real-world scenarios.

➤ **The key points highlighted include:**

Enhancing the relevance of education by aligning it with industry needs. Providing students with hands-on experience through internships, projects, and industrial visits

➤ **Mutual Benefits:**

Industries gain access to fresh ideas, emerging talent, and research expertise, while academic institutions receive real-world insights, funding opportunities, and the ability to update their curriculum to meet industry demands.



➤ **Product Showcases and Knowledge Transfer:**

The importance of organizing events like product showcases in the context of industry-institute collaboration. Product showcases provide a platform for industries to exhibit their latest innovations and technologies to students, faculty, and researchers. These events facilitate knowledge transfer and expose students to cutting-edge developments in their field of study. Students gain practical insights by interacting with industry professionals, observing product demonstrations, and participating in discussions. Such showcases inspire students by demonstrating how classroom learning translates into real-world applications. They encourage entrepreneurship and innovation among students by showcasing success stories and startup opportunities.

➤ **Networking and Career Opportunities:**

Additionally, Product showcases offer excellent networking opportunities for students. Meeting industry representatives, exploring potential internship and job openings, and establishing contacts for future collaboration are some of the tangible benefits of attending such events.

➤ **Encouraging Student Participation:**

Encouraging students to actively engage in organizing and participating in product showcases and similar events. Which experiences not only enhance their resumes but also contribute to their personal and professional growth.

❖ **Conclusion:**

The Civil Engineering Product Showcase was a successful event that highlighted the latest advancements in the civil engineering industry. The products and technologies showcased promise to shape the future of infrastructure development, emphasizing sustainability, efficiency, and safety. The event facilitated valuable interactions among professionals and paved the way for potential collaborations that can drive progress in the field. Civil engineers and industry stakeholders should keep a close eye on these innovations as they continue to transform the landscape of civil engineering.

❖ **Some Glimpses:**







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Mr. Viren B. Chandanshive
IGBC Staff In-Charge

Dr. Ajay S. Radke
Head of Department



A Brief Report on NIRMAAN 2022-23

Event Details: NIRMAAN 2022-23 at VCET, Vasai, arranged by Civil Department.

Duration: 31st March & 1st April, 2023.

Venue: Vidyavardhini's College of Engineering & Technology, Vasai West.

❖ About Nirmaan

Since its inception, Nirmaan has provided a stage for all civil maniacs to exhibit their intelligence, expertise, and abilities at the greatest level. The wide variety of contests, from technical to non-technical, such as Card Rush, Technical Poster Presentation, Clash of CAD, Urban Vision and Panel Discussions, allow for the evaluation of participants' competency levels and the determination of their logical abilities.

❖ Aim & Objective

Nirmaan aims to eliminate the communication gap between the industry and the educational system by offering a robust sharing platform. Alumni, businesspeople, entrepreneurs, and college students have a unique chance to get engaged in the advancement of sustainable development, smart building, and the promotion of new construction methods in India. NIRMAN '2022-23 was the 21st iteration of this illustrious panel discussion and the first year the festival was organized online, both of which presented unique challenges. However, it was the combined efforts and zeal of the participants, the organizing committee, student volunteers, and faculty members that made NIRMAAN '2022-23 a resounding success. Over the years, a large number of diploma, undergraduate, and industry people from many universities have attended the event.

This year, Nirmaan will undoubtedly set new records for competitiveness, enthusiasm, and energy. Nirmaan is the culmination of all of our hard work, devotion, passion, and sincere attempts to deliver you the fantastic event that everyone has been looking forward to.

The objectives of Nirmaan's initiative in providing a platform for civil engineering enthusiasts to showcase their skills and intelligence through a range of contests, both technical and non-technical:



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❖ Objectives of Nirmaan's Initiative:

1. **Promote Excellence:** To promote and recognize excellence in the field of civil engineering by providing a platform for enthusiasts to showcase their skills and knowledge.
2. **Skill Development:** To facilitate the development of practical skills, problem-solving abilities, and technical expertise among participants through a series of diverse contests.
3. **Comprehensive Evaluation:** To offer a holistic assessment of participants' competencies by combining technical and non-technical challenges, thereby reflecting a well-rounded understanding of civil engineering.
4. **Foster Innovation:** To encourage innovative thinking and creative solutions in civil engineering by presenting participants with a variety of problem-solving scenarios.
5. **Inspiration:** To inspire and motivate individuals to pursue careers in civil engineering by showcasing the exciting and intellectually stimulating aspects of the profession.
6. **Industry Relevance:** To ensure that the contests and activities are aligned with current industry trends and challenges, thus preparing participants for real-world scenarios.
7. **Knowledge Exchange:** To facilitate the exchange of ideas, techniques, and best practices among participants, educators, and industry experts, fostering a culture of continuous learning.



❖ About Events

1. Card Rush

Explores the concepts of structural engineering and how to measure the critical load, or the weight at which a structure will fail. Students learn about basic structures, how to reinforce, materials selection, and working as a team, design and build a prototype structure to hold the greatest weight.

2. Technical Poster Presentation

A platform for all those technocrats to present their research work in one of the highly competitive competitions of Technical Paper Presentation. Participants prepare their paper based on the theme and are judged on the basis of the reports as well the presentation.

Objective:

1. To encourage participation in the civil engineering research area.
2. To provide an excellent platform for the exchange of new ideas and knowledge among Academia, Industry professionals, and Research Scholars.

Topics for Technical Paper Presentation:

- | | |
|--------------------------------------------|--------------------------------------------------|
| 1. Intelligent Transportation Systems | 7. Waste water treatment |
| 2. Application of GIS in Civil Engineering | 8. Pavements constructed with recycled materials |
| 3. Green Building Technologies | 9. Wind resisting building |
| 4. Trends in Concrete Technology | 10. Smart city |
| 5. Low-cost housing technologies | 11. Sustainable Urban Infrastructure |
| 6. Waste management | |

3. Clash of CAD

India being a developing country. The scope of improvement never stops. All designing that goes into bringing life to the structure is the initial important aspect of development.



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Promoting usage of various software among students we have come up with the event Clash of CAD where they can showcase their skills on AutoCAD software.

4. Urban Vision

Urban Vision is a competition, in which teams have to develop a given town by applying knowledge of urban planning. Teams will be provided with different amenities like water supply system, power plant, fire station buildings, etc. acquired by them through auction/credit.

❖ Some Glimpses:





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VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY
K.T. MARU, VASAH ROAD (W), DIST. PALGHAR-401202

DEPARTMENT OF CIVIL ENGINEERING PRESENTS

NIRMAAN 2023

Time	31st March				1st April	
9:00 AM - 10:00 AM	INAUGURATION				BRIDGE BURST	STRUCTURAL AUDIT & TESTING
10:00 AM - 11:00 AM						
11:00 AM - 12:00 PM	PANEL DISCUSSION					
12:00 PM - 01:00 PM	LUNCH BREAK				LUNCH BREAK	
01:00 PM - 02:00 PM	POSTER PRESENTATION	CLASH OF CAD	URBAN VISION	CARD RUSH		WORKSHOP
02:00 PM - 03:00 PM						
03:00 PM - 04:00 PM						
04:00 PM - 05:00 PM						

VIDYAVARDHINI'S COLLEGE OF ENGINEERING & TECHNOLOGY
K.T. MARU, VASAH ROAD (W), DIST. PALGHAR-401202

DEPARTMENT OF CIVIL ENGINEERING PRESENTS

NIRMAAN 2023

EVENTS

- CLASH OF CAD
- URBAN VISION
- POSTER PRESENTATION
- CARD RUSH
- BRIDGE BURST

PRIZES WORTH RS. 20,000*

WORKSHOP AND SEMINAR ON STRUCTURAL AUDIT AND TESTING

MARCH 31 | APRIL 01

FOLLOW US ON - @IGBC_VCET REGISTER HERE

TANMAYEE TELE: 9987444967 | ADARSH PAL: 7030346241 | HARDIK VORA: 8600578184

Mr. Viren Chandanshive
Staff-In-charge
IGBC Student Chapter

Dr. Ajay Radke
H.O.D. Civil



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A Brief Report on

Vidyavardhini's National Level Project Showcase (VNPS)

Event Details: Vidyavardhini's National Level Project Showcase (VNPS), 2022-23.

Duration: 5th April, 2023.

Venue: Vidyavardhini's College of Engineering & Technology, Vasai (w), Dist. Palghar.

Maharashtra State, India.

❖ **About VNPS**

Vidyavardhini's College of Engineering & Technology provides a platform for aspiring technical students to compete with outstanding projects from various technical institute all over the country. The Vidyavardhini's National Level Project Showcase (VNPS) is an annual celebration of the technical accomplishments of our engineering undergraduates. Students from across all the various engineering departments, participate and present their team projects through posters and prototypes (Model Presentation). VNPS introduce a capstone by culminating academic and intellectual experience through their presentation which encourages students to think critically, solve challenging problems and develop skills such as communication, public speaking, research and good teamwork & planning.

❖ **Objectives:**

- To encourage the practical knowledge of the final year students.
- To help the students to enhance their technical skills.
- To provide a platform for the students across various colleges to showcase their projects.

In summary, VNPS at Vidyavardhini's College of Engineering & Technology aims to foster a culture of excellence, innovation, and collaboration among technical students by providing a platform for them to present their outstanding projects. It serves as a capstone experience that encourages critical thinking, problem-solving, and the development of essential soft skills while celebrating their technical achievements.



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❖ Staff Involved

Sr. No.	Name of Faculty	Committee	Roles and Responsibilities
1.	Dr. Ajay Radke	Head of Department	To co-ordinate with the IGBC Students Chapter coordinator and supervise the event.
2.	Dr. Viren Chandanshive	IGBC Students Chapter Staff In-Charge	To supervise the IGBC Students Chapter students for organising the events.
3.	Prof. Jaydeep Chougale	Project Coordinator	To co-ordinate with the Project Topic quality and its novelty.

❖ VNPS 2023 Judge Details

Sr. No.	Name of Person	Designation Details
1.	Mr. Nikhil Pawar	Assistant Executive Engineer, Public Work Department, Govt. of Maharashtra, Vasai.
2.	Mr. Sachin Dhere	Owner, KASA Sanskar Management, Civil Engineering PMC, Nerul, Navi Mumbai
3.	Mr. Pranit Vitekar	Owner, Swadhin Construction, Palghar.

❖ IGBC Student's Chapter Committee Co-ordinators 2022-23

Sr. No	Post	Name of the Student
1	President	Tanmayee Tele
2	Secretary	Adarsh Pal
3	Treasurer	Hardik Vora
4	Technical Head	Varun Valia
5	Creative Head	Sakshi Pashte
6	Sponsorship Head	Atish Pradosh
7	Data Mmanagement Head	UjalaYadav
8	Publicity and Magazine Head	Kanchan Chauhan Roshni Salunkhe
9	Institute Industry Interaction Head	Raj Naik
10	Taskforce Head	Jay Jadhav



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❖ Role of IGBC Students Chapter in VNPS 2022-23

IGBC Students Chapter aims to provide a platform for the civil engineering students to manifest their technical expertise by presenting their projects in Track 5 which includes various civil engineering domains such as Concrete & structural Engineering, Construction Management, Geotechnical Engineering, Transportation Engineering, Water Resources and Environmental Engineering. The IGBC Students Chapter along with other committees such as IEEE, ISA, CSI, ISHRAE, IETA and VMEA of the institute organised Vidyavardhini's National Level Project Showcase (VNPS), 2022-23 to bring such creativity under one roof of VCET.

The following are the various activities performed by IGBC Students Chapter during the VNPS, 2022-23.

- As the work was divided between branches, all the registration related work was handled by IGBC Students Chapter. On the day of the event, IGBC Students Chapter was appreciated by all the departments for its perfect planning and management of the all the entries.
- The faculties from all the branches of VCET perform a visit to appreciate the talent and efforts of the students. The judges analysed each project very strictly and also appreciated the work of students. The faculty played a major role in guiding the students with their projects.
- The event included research & technical advancement projects in the Civil Engineering field. In total, there were 26 groups showcasing their talent & efforts. From these 26 groups, 2 groups were from other colleges.
- Few projects grabbed a lot of attention because of their topics such as Analysis of Road Pavement incorporating wireless charging, Sustainable Design and Planning of Kelthan Village etc.



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IGBC Students Chapter plays a crucial role in organizing a project showcase or exhibition in a college. Such events provide students with the opportunity to showcase their projects, research, and innovations to a wider audience, including fellow students, faculty members, industry professionals, and the general public. Here's how IGBC Students Chapter contributed to the success of such an event:

1. **Planning and Coordination:** The IGBC Students Chapter took the lead in planning and coordinating the entire event. This involves setting a date, securing a venue, creating a timeline, and delegating responsibilities to subcommittees or volunteers.
2. **Exhibitor Support:** The IGBC Students Chapter assisted participating students in preparing their project displays and presentations. This could involve providing guidelines, training, and resources to help students effectively communicate their work to visitors.
3. **Judges and Awards:** The IGBC Students Chapter organized a panel of judges to evaluate the showcased projects and distribute awards or recognitions to outstanding ones. This adds an element of competition and motivation for participants.
4. **Event Logistics:** On the day of the event, the IGBC Students Chapter managed logistics, including registration, directing attendees, and addressing any last-minute issues.
5. **Documentation and Promotion:** The IGBC Students Chapter documented the event through photos, and written reports. This content can be used to promote the IGBC Students Chapter's activities and the college's civil engineering program.



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❖ VNPS 2022-23 WINNER'S DETAILS

Major (A)	Group No	Name of Student	Project Title
Winner	4	Kevalkumar Dhaneshwar Chaudhari	Analysis of Road Pavement incorporating wireless charging
		Siddhesh Ashok Jadhav	
		Abhishek Satish Phadatare	
		Amogh Sandip Raut	
Runner-up	5	Vrushali Gavit	Development of Potholes repair system in Flexible Pavement
		Roshani Salunkhe	
		Vaishnavi wani	
		Navin Pandey	

Major (B)	Group No	Name of Student	Project Title
Winner	7	Harshad Manohar Pawar	Redesigning of Water Distribution Network by Using WaterGems Software
		Yash Naresh Bamania	
		Sachin Dayashankar Pal	
		Yash Bapurao Kadukar	
Runner-up	2	Kartik Chandrakant Govare	Repairs and Retrofitting of Bridges
		Manish Siyaram Mandal	
		Rohit Ramkumar Sharma	
		Vipul Kumar	

Minor	Group No	Name of Student	Project Title
Winner	1	Shreya Jagdish Bari	Planning and Design of Steel and RCC Bunglow
		SagunBhalchandra Parab	
		Chiraj Hareshwar Patil	
		Lingraj Hawgirao Birajdar	
Runner-up	7	Shubham Madkaikar	Powai Lake and it's Reimagination
		Krutika Shinde	



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	Snehal Kamble



❖ SOME GLIMPSES:





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Dr. Viren Chandanshive
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