



P R E S E N T S



BUILDING

भारत™

SAMPAARK

INNOVATION BOOT CAMP  
IN CIVIL ENGINEERING

2025 - 2026

SUPPORTED BY



Office of the Principal Scientific Adviser  
to the Government of India

HACKATHON PARTNER



INITIATIVE PARTNERS



ACADEMIC PARTNER



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## **Note from the Chairman, Building Bharat Sampaark Innovation Boot Camp**

It is with great satisfaction that I reflect on the Building Bharat Sampaark Innovation Boot Camp in Civil Engineering 2025-26, an initiative aligned with the national vision of Viksit Bharat by 2047. This program was thoughtfully designed to shape future civil engineers of India. It focused on inculcating innovative thinking, better understanding of industry relevant insights & trends and challenges, strengthening their ability to think innovatively and helping to build an appreciation of their evolving role in building India's infrastructure.

The strength of the program lay in its well-curated, industry-aligned content, reflecting current trends, latest practices, use of technologies, and real-world challenges. Developed through close collaboration between industry and academia, the content exposed participants to practical insights, hands-on learning, and meaningful engagement with domain experts. The residential program was held at IIT Gandhinagar, IIT Kanpur, and IIT Madras – perfect venues that created a highly stimulating academic environment for learning, innovation, and collaboration.

I would like to acknowledge the immense contributions of our industry leaders and academic partners who played a pivotal role in designing the relevant content, mentoring students, and encouraging them to think innovatively while addressing real-world infrastructure challenges. Their commitment ensured that the program remained both forward-looking and grounded in practical application.

The program witnessed high level of engagement from students, reflecting their eagerness to learn, engage with industry, and contribute meaningfully to India's development journey. Sessions saw participants come up with many questions and interactions with industry experts. The Hackathon saw students explore innovative problem-solving abilities, combining their ingenuity and technology. Their enthusiasm and active participation across the program underscore the immense potential of our young talent in shaping the future of infrastructure.

It is evident that the program has created a strong foundation for nurturing innovation-driven, industry-ready civil engineers, who will actively participate in supporting the vision of Viksit Bharat 2047

### **Prof. Santanu Chaudhury**

Chairman, Building Bharat Sampaark  
Innovation Boot Camp in Civil Engineering  
(2025-2026)





## **Note from the Director General Association of Infrastructure Industry (India)**

Aligned with the vision of Viksit Bharat 2047, the Building Bharat Sampaark Innovation Boot Camp in Civil Engineering, organized by the Association of Infrastructure Industry (India), was designed to nurture innovation and strengthen the capabilities of aspiring civil engineers from AICTE-approved institutions, IITs, and NITs.

I am pleased to report the successful completion of the 2025–26 edition.

We extend sincere gratitude to our partners, including NIUA, AICTE, the Office of the Principal Scientific Advisor, NITI Aayog – Atal Innovation Mission, JSW, and leading industry and academic institutions such as IIT Gandhinagar, IIT Kanpur, and IIT Madras. Their collaboration ensured a meaningful and impactful program.

The boot camps received an overwhelming response, with over 2,000 registrations and around 550 participants from 316 colleges attending the three intensive residential programs. Notably, nearly 30% of participants were women, reflecting growing gender diversity in civil engineering.

A key highlight was the hackathon, which attracted over 175 innovative ideas from 480 students, addressing real-world infrastructure challenges. Supported by industry leaders and academia through mentorship and masterclasses, the initiative fostered rich learning and innovation.

We remain committed to expanding this platform to build future-ready civil engineers for India's growth.

### **Dr. Rajaneesh Dasgupta**

Trustee & Director General - Association of Infrastructure Industry (India)  
National Director - Building Bharat Sampaark







## **Note from the National Coordinator, Building Bharat Sampaark**

The Building Bharat Sampaark Innovation Boot Camp was implemented as a structured, multi-stakeholder initiative to create a direct interface between civil engineering education and the practical requirements of India's infrastructure sector. The programme was designed to deliver an immersive, application-oriented learning experience through a residential format across leading academic institutions.

The programme structure was designed to ensure consistency in delivery while allowing contextual flexibility across locations. Sessions were delivered through a combination of masterclasses, panel discussions, town halls, and interactive engagements, led jointly by industry practitioners and academic experts. This format enabled focused knowledge transfer, exposure to current industry practices, and meaningful interaction between stakeholders.

A key operational component was the Hackathon, which was integrated across all three editions. The Hackathon received over 175 submissions, with participation from more than 480 students. The process was supported by a structured mentoring framework and a multi-stage evaluation mechanism, ensuring transparency and alignment with real-world infrastructure requirements. Execution of the programme required coordinated planning across multiple stakeholders, including institutional partners, industry contributors, academic collaborators, and participating colleges. The delivery across three IIT campuses was achieved through standardised processes, aligned communication, and on-ground operational management, ensuring consistency in participant experience and programme quality.

In parallel, outreach and engagement efforts were undertaken through institutional networks, digital platforms, and media channels, contributing to strong visibility and participation. These efforts helped position the initiative as a credible national platform for civil engineering students seeking industry exposure.

Overall, the programme has established an effective model for structured industry-academia engagement, demonstrating the viability of immersive, problem-led learning formats. It provides a scalable foundation for future editions aimed at strengthening the preparedness of civil engineering graduates for India's evolving infrastructure landscape.

### **Smt. Manisha Jhunjunwala**

Trustee - Association of Infrastructure Industry (India)  
National Coordinator - Building Bharat Sampaark





# Executive Summary

## Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026

The Building Bharat Sampaark Innovation Boot Camp for Civil Engineering, organized by the Association of Infrastructure Industry (India), is conceptualized as a strategic initiative aligned with the national vision of Viksit Bharat by 2047. The program aims to nurture future-ready civil engineers by fostering innovation, strengthening ideation capabilities, and enhancing awareness of the evolving demands of India's infrastructure sector.

The program comprised of 3-days residential boot camps hosted at IIT Gandhinagar (December 2025), IIT Kanpur (February 2026), and IIT Madras (April 2026). The program received an overwhelming response, with over 2,000 students expressing interest, of which approximately 550 students were selected to ensure a high-impact learning experience.

Participants engaged in masterclasses, interactive sessions, and hands-on activities designed to encourage innovation and collaboration. A central component of the program was the Hackathon, which saw over 175 idea submissions and participation from more than 480 students in presenting solutions. The hackathon successfully encouraged students to apply innovative thinking to real-world civil engineering challenges, combining engineering, technology, and human ingenuity to industry needs, addressing realworld infrastructure challenges.



The program brought together over 26 industry leaders and over 26 eminent academic experts to deliver a well-curated, industry aligned curriculum focused on real-world challenges, emerging technologies, and practical problem-solving. The strong engagement from industry and academia was instrumental in the program's success. Sessions included masterclasses, deep-dive sessions, fireside chats, townhalls and panel discussions where the industry experts and academia shared real-world insights, industry practices, challenges and expectations from upcoming civil engineers.

Active mentorship, discussions and knowledge-sharing added to the rigorous learning. The esteemed host institutions ensured a robust learning environment. The enthusiastic participation and positive feedback from students underscored the program's relevance and impact. Overall, the boot camps successfully established a scalable model for shaping the future civil engineering minds through industry-connect in an out-of-classroom set up, fostering innovation and innovative thinking. It actively contributed towards building a pipeline of skilled, future-ready civil engineers committed to contributing to India's infrastructure growth and the vision of Viksit Bharat by 2047.





# Program Overview

## Building Bharat Sampark Innovation Boot Camp In Civil Engineering 2025-2026



Against the backdrop of rapid transformation within the infrastructure industry in India, and its expanding footprint to meet the Viksit Bharat mission by 2047, the Building Bharat Sampark Innovation Boot Camp for Civil Engineering aims to cultivate a future-ready cohort of civil engineers equipped with innovative thinking, practical problem-solving capabilities, and a strong appreciation of the evolving demands of India's infrastructure sector.

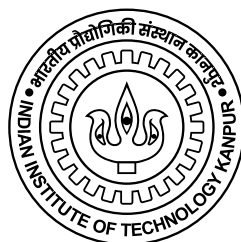
The initiative addresses the critical need to infuse the acumen of innovative thinking amongst the upcoming young civil engineers, equip them with industry-led insights and expose them to real-world industry challenges. It brings together leading practitioners from the industry and premier academic institutions to deliver a structured, high-impact learning experience for the students, rooted in real-world application. It encourages students to think innovatively by actively engaging them in industry-led mentoring and solving real-world industry challenges by participating in a civil-engineering Hackathon.

2025 - 2026 Boot Camps comprised 3-days residential boot camps, hosted at **IIT Gandhinagar, IIT Kanpur, and IIT Madras.**

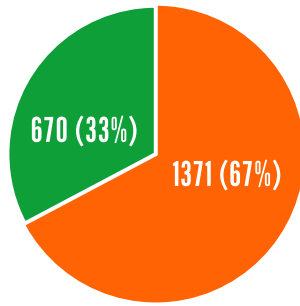
The program saw an overwhelming response from students, who benefitted from leading industry experts and eminent academia, sharing knowledge through expert-led masterclasses, industry mentoring sessions, panel discussions, fire-site chats and a structured hackathon. The content was curated to reflect contemporary industry challenges and emerging trends. Participants engaged directly with real-world problem statements, applying engineering principles alongside creative thinking and latest technology, including AI and Machine Learning to develop practical solutions for the hackathon.

By fostering meaningful industry-academia collaboration, the program provided students a platform with direct exposure to sectoral insights, meaningful interactions while strengthening their impact as future contributors to nation-building.

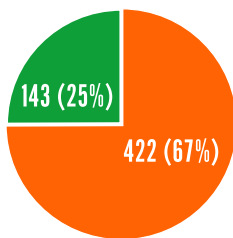
## ACADEMIC PARTNER



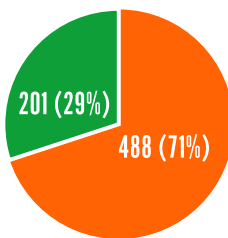
**OVERALL RESPONSE: 2041 TOTAL REGISTRATIONS  
ACROSS 3 BOOT CAMPS**



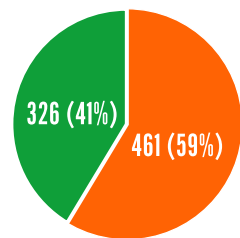
**565 Registrations for IIT Gandhinagar, Dec 2025**



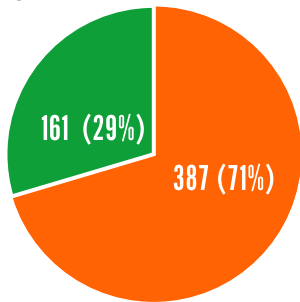
**689 Registrations for IIT Kanpur, Feb 2026**



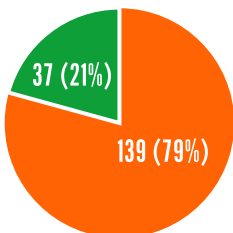
**787 Registrations for IIT Madras, Apr 2026**



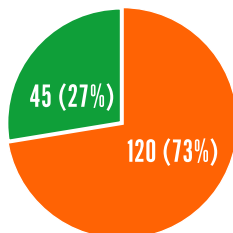
**Attendance split: 548 Across the three boot camps**



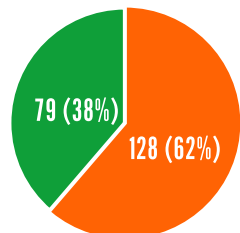
**Attendance split: 176 at IIT Gandhinagar, Dec 2025**



**Attendance split: 165 at IIT Kanpur, Feb 2026**



**Attendance split: 207 at IIT Madras, Apr 2026**



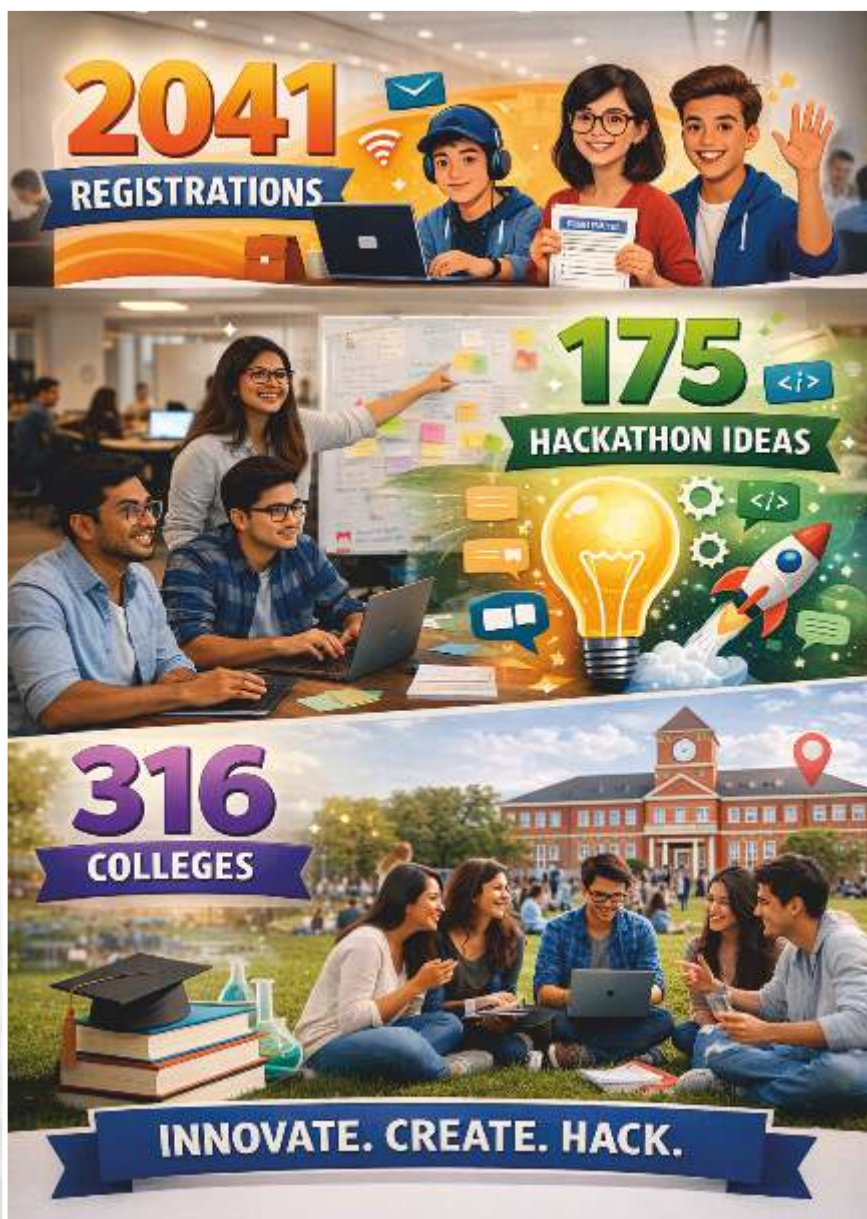
 FEMALE  MALE

# Participation Overview

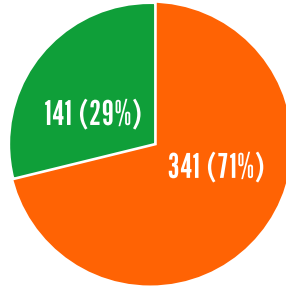
## Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026



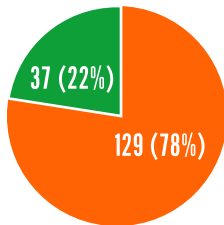
An overwhelming response across the three Boot Camps, the program received an overwhelming response from students. Over 2000 students registered to participate in the initiative, underscoring the enthusiasm to learn in an industry-connect set up, outside the regular curriculum. Over 30% of the students were female students – an encouraging sign of inclusiveness in the civil engineering discipline, which would be crucial in shaping the future of infrastructure in India. Owing to limited seats, close to 550 students were shortlisted to attend the program, who came from 316 colleges across India.



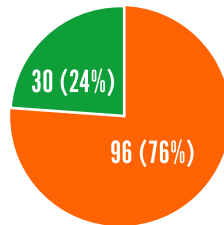
482 Hackathon Participation across three boot camps



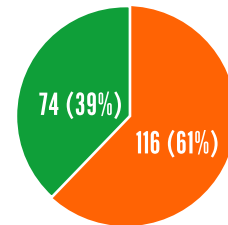
Hackathon participation split of 166 at IIT Gandhinagar



Hackathon Participation Split of 126 at IIT Kanpur



Hackathon Participation Split of 190 at IIT Madras



■ FEMALE ■ MALE



# Hackathon Overview: Industry Relevance

## Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026



The Hackathons at the program were designed under the Chairmanship of Dr.Keshav Bharadwaj Ravi, IISc Bengaluru .to connect participants to industry's real-world challenges. Jointly developed by industry experts and academia, it encouraged students to think of solutions innovatively, combining human ingenuity and technology.

HACKATHON THEMES	PROBLEM STATEMENTS	
INNOVATION IN CONSTRUCTION QUALITY	SMART QUALITY MONITORING	MATERIAL QUALITY CERTIFICATION
INNOVATION IN CONSTRUCTION SAFETY	PREDICTIVE SAFETY ANALYTICS	
INNOVATION IN CONSTRUCTION SUSTAINABILITY	SUSTAINABLE CONSTRUCTION MATERIALS	WATER AND ENERGY EFFICIENCY
INNOVATION IN INFRASTRUCTURE ASSET MANAGEMENT	SUSTAINABLE ASSET MANAGEMENT	POLICY AND GOVERNANCE INNOVATION
INNOVATION IN CONSTRUCTION RESILIENT INFRASTRUCTURE	DISASTER - RESILIENT DESIGN AND CONSTRUCTION	MATERIAL AND CONSTRUCTION TECHNOLOGY FOR RESILIENCE

The Hackathon saw over 480 students participate, with 47 students across 14 teams winning in the three boot camps . Eminent jury panel, comprising of industry experts and academia, evaluated the ideas, guiding students on their entries. The evaluation was done through a specially developed Jury app, ensuring transparency.

### JURY MEMBERS

**Dr. Keshav Bharadwaj Ravi, IISc Bengaluru**

**En. Nikhil Joshi, JW Consultant**

**Prof. S R Gandhi, IIT Gandhinagar**

**Dr. Hariharan Subramanyan, TATA Projects**

**En. Rucha Watve, JW Consultant**

**Ar. Siddharth Kothare, Adani Airports**

**Shri Arun Senthilraj, SSDF**

**Prof. Gaurav Srivastava, IIT Gandhinagar**

**En. Mukul Dehadrai, JW Consultant**

**Dr. Priyapratim Patra, JSW Cement**

**Prof. Pranab Mohapatra, IIT Gandhinagar**

**Dr. Manish Kumar, IIT Gandhinagar**

**Dr. L.R.Manjunatha, JSW Cement**

**Prof. Sudhir Misra - IIT Kanpur**

**Dr. Meheebub Rahaman - NIUA**

**Dr. Suparno Mukhopadhyay, IIT Kanpur**

**Dr. Victor Rana Shinde - NIUA**

**Dr. Pravin Kumar Ashish, IIT Kanpur**

**Dr. Surender Singh, IIT Madras**

**Smt. Visakha Shankar, IIT Madras**

**Shri Kamesh Karra, JSW Infra**

**Smt. Harini Santhanam, TLC2**

**Smt Tamali Bhowmick, TLC2**

**Shri Vikram Srinivasan, Saint Gobain Research India**





# Hackathon Winner

## Building Bharat Sampark Innovation Boot Camp In Civil Engineering at IIT GANDHINAGAR (2025-2026)



The Hackathon winners were proudly announced, celebrating ground breaking ideas and practical solutions for India's construction sector. The winning teams demonstrated innovation, sustainability, and technical excellence, reflecting the spirit of Viksit Bharat 2047 and inspiring future-ready civil engineering leadership nationwide progress.

Theme	Team Name	Winners Name
Innovation in Infrastructure Asset Management	InfraTech	Hemraj Metkar, Bhavana Vijay Mali
Innovation in Construction Quality	CivilEra	Shubham Solanki, Jatin Patidar, Jitendra Singh Rathore
Innovation in Construction Safety	Vaibhav & Team	Vaibhav Purushotham, Vishnu Manikandan, Vijay Harikrishnan
Innovation in Construction Sustainability	Naamearth	Nivedya NV, Asif Khan A, Reyhan S
Innovation in Construction of Resilient Infrastructure	Hemant	Hemant Dhakad

# Congratulations





# Hackathon Winner

## Building Bharat Sampark Innovation Boot Camp In Civil Engineering at IIT KANPUR (2025-2026)



The Hackathon winners were proudly announced, celebrating ground breaking ideas and practical solutions for India's construction sector. The winning teams demonstrated innovation, sustainability, and technical excellence, reflecting the spirit of Viksit Bharat 2047 and inspiring future-ready civil engineering leadership nationwide progress.

Theme	Team Name	Winners Name
Innovation in Infrastructure Asset Management	Shiledar's	Onkar Ranjit More, Rahul Maruti Kavade, Sayali Siddhanath Kore, Aditi Abasaheb Chavan, Sushant Dharmendra Shete
Innovation in Construction Quality	Innotecq	Devikrishna N, Neethu R Menon, Sheba Elza Sunil, Adithya Pramod
Innovation in Construction Safety	Symmetris Tech	Prathyusha Krishna V P, Lakshmi Priya B, Meenakshy G, Manha Muneez
Innovation in Construction Sustainability	Team Piezo	Krunal Rajesh Sawarkar, Anshu Sanjay Talewale
Innovation in Construction of Resilient Infrastructure	TATrakshak	Abhishek Shrikrishna Giri, Vyshakh Anand M, Srushti Sagar Sawale, Mahek Firojkhan Pathan, Nikhil Govind Bejjaram

# Congratulations





# Hackathon Winner

## Building Bharat Sampark Innovation Boot Camp In Civil Engineering at IIT MADRAS (2025-2026)



The Hackathon winners were proudly announced, celebrating ground breaking ideas and practical solutions for India's construction sector. The winning teams demonstrated innovation, sustainability, and technical excellence, reflecting the spirit of Viksit Bharat 2047 and inspiring future-ready civil engineering leadership nationwide progress.

Theme	Team Name	Winners Name
Innovation in Infrastructure Asset Management	-	NO WINNER
Innovation in Construction Quality	Akatsuki	Poovarasan E, Abinesh A, Jeevan J, Dharsan S, Surya Deepan A
Innovation in Construction Safety	SJCE	Dhanvin SP Soge, Shriya G Bhandary, Meghana G, Arpitha R, Nagarjun R Nayaka
Innovation in Construction Sustainability	EcoTherm Block	Aliya Nasrin B S, Ankit Arun, Shreya AS
Innovation in Construction of Resilient Infrastructure	Sriram	Sriram G

# Congratulations





# Sessions Overview: Industry Relevance

## Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026



The boot camps brought together industry experts and academia to jointly develop content that were current, industry relevant and valuable to students. It was designed to bring valuable insights from the real world to help students connect better and learn. They were delivered by industry experts and academia through Masterclasses, Panel discussions, Fireside chats and Townhalls.

### Panel Discussion

- Industry's challenges: How can innovation play a role in civil engineering
- Innovation in Infrastructure Designing – An Architectural Perspective for Viksit Bharat 2047
- Employability in Infrastructure Industry

### Master Class

- Challenges in Structural Designing of High-Rise Structures in India
- Mega Structures engineering the future of India
- Intervention & Adaptation of Technology for Infrastructure Development, Maintenance & Repair in India
- Traditional Knowledge and Modern Technology for Sustainable Cities
- AI: Bubble, Breakthrough, or Something Else ?
- Future of Cities – Urbanisation of India The Emerging Spectrum for Civil Engineering in India
- Artificial Intelligence and Machine Learning in Construction
- Students Today - Leaders Tomorrow
- Pavement Technology
- Technologies for Low Carbon and Lean Construction

### Town Hall

- Sustainability, Net Zero and Circular Construction
- Building Stronger Structures and Stronger Leaders
- From Classroom to Construction Site: Skills Students Must Build Today
- Identify Real Problems Worth Solving in Civil Engineering
- The Startup Journey in Civil Engineering: Opportunities, Challenges & Realities
- Innovator's Journey : From Lab to Practise - A journey of a startup
- Mental strength: What we Expect vs What we Face
- Students Aspirations and Industry Participation : Academia Perspective
- Civil Engineering challenges for the future
- New Materials for better construction

## Key Note Address : Urbanisation for Viksit Bharat@2047





# Women Participation

## Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026



The landscape of civil engineering in India is undergoing a significant transformation, not only in terms of technology and sustainability but also in the people who are shaping it. Women, who were once underrepresented in this traditionally male-dominated field, are now stepping forward with confidence, competence, and vision. Today's Indian women are no longer content with playing a passive role in nation-building; they are actively contributing to the creation of a stronger, smarter, and more resilient India—aligned with the vision of Viksit Bharat 2047.

Civil engineering, being the backbone of infrastructure development, plays a crucial role in shaping the economic and social fabric of the country. From highways and bridges to smart cities and sustainable urban planning, the sector demands innovation, leadership, and execution excellence. Women in India are increasingly proving that they possess all these qualities and more. With growing access to education, professional opportunities, and mentorship, women engineers are entering the workforce in larger numbers and making a lasting impact.

Women bring a unique perspective to civil engineering, particularly in areas such as sustainability, community-centric design, and inclusive infrastructure. Their approach often emphasizes long-term impact, safety, and social relevance. This has led to more thoughtful planning of public spaces, improved urban mobility solutions, and environmentally conscious construction practices. As India moves towards sustainable development goals, the contribution of women engineers becomes even more critical.

Moreover, women are increasingly taking on leadership roles in both public and private sectors. They are heading infrastructure companies, leading government initiatives, and driving innovation in construction technologies. Their leadership style—often collaborative, detail-oriented, and empathetic—has proven to be highly effective in managing complex, multidisciplinary projects. This shift is not only empowering for women but also beneficial for the industry as a whole.

Initiatives like the Building Bharat Sampaark Innovation Boot Camp in Civil Engineering are playing a pivotal role in accelerating this transformation. By providing a platform for young engineers to engage with industry leaders, showcase innovative ideas, and develop essential soft skills, such programs are encouraging more women to participate actively in the field. They are fostering confidence, enhancing visibility, and creating opportunities for women to lead from the front.

Encouragingly, the narrative is changing. Families are becoming more supportive, organizations are recognizing the value of diversity, and women themselves are asserting their place in the industry. The rise of women in civil engineering is not just a trend—it is a movement that is reshaping the future of infrastructure in India.

As the nation marches towards Viksit Bharat 2047, the role of women in civil engineering will be indispensable. They are not just participants but leaders, innovators, and change-makers. Their contributions are building not just physical structures, but also a more inclusive, equitable, and progressive society.

The transformation of civil engineering in India is incomplete without the active participation of women. Their growing presence and influence signify a powerful shift towards a more balanced and dynamic industry. Today's Indian women are not waiting to be included—they are stepping forward, taking charge, and building the nation with determination and purpose.

**#shebuildsshespeaks**





# Students Hosting The Conversation

## Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026



The Building Bharat Sampaark Innovation Boot Camp in Civil Engineering stands as a powerful platform dedicated to inspiring young minds to pursue and continue in the field of civil engineering, enabling them to contribute meaningfully to nation-building.

At its core, the Boot Camp emphasizes holistic development—going beyond technical knowledge to nurture well-rounded individuals. Participants are identified, encouraged, and provided with opportunities that help them evolve into not just skilled engineers, but confident and capable individuals ready to take on leadership roles.

A shining example of this philosophy was seen in the opportunity extended to select students who not only participated in the Boot Camp but also hosted key conversations and sessions. This experience significantly enhanced their confidence, communication skills, and public speaking abilities, truly embodying the spirit of the boot camp being #foraspiringcivilengineers

We proudly acknowledge and celebrate the invaluable contributions of these students:

- IIT Gandhinagar – Ms. Ritaja Roy
- IIT Kanpur – Ms. Mehar Fatima & Mr. Anurag Basu
- IIT Madras – Ms. Nivedya NV & Mr. Shashwat Kant

We also extend special recognition to Shri Krunal Rajesh Sawarkar, whose journey is particularly inspiring. From being a participant to winning the Hackathon and subsequently becoming an integral part of the organising team, his contribution exemplifies the transformative impact of the Boot Camp.

Together, these stories reflect the Boot Camp's commitment to empowering students, nurturing talent, and building future leaders who will drive the vision of Viksit Bharat 2047.

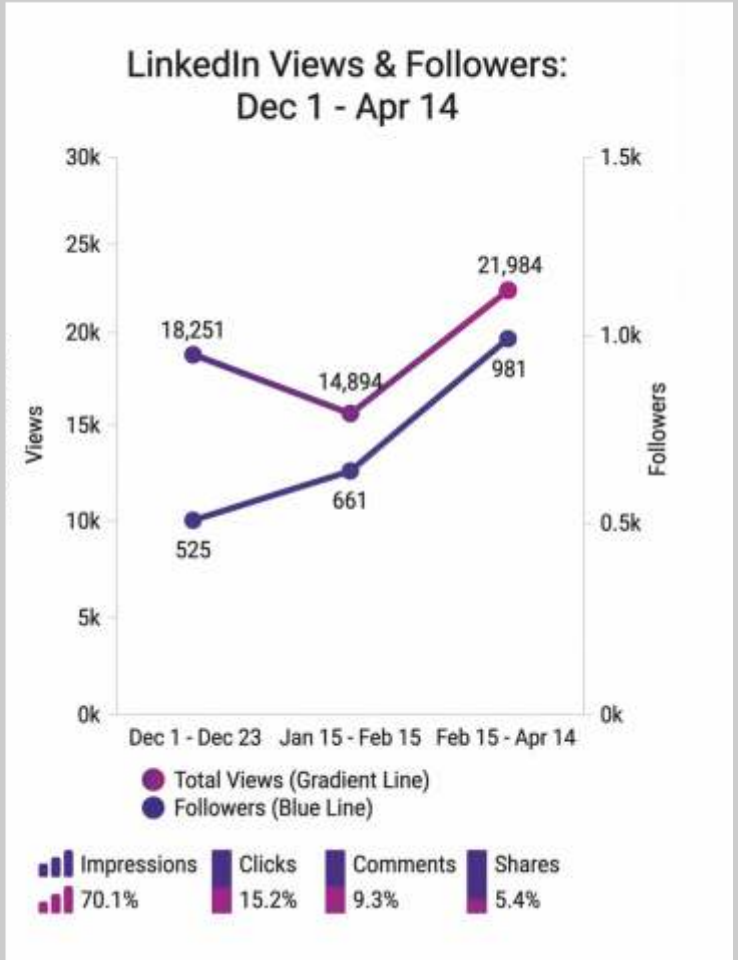
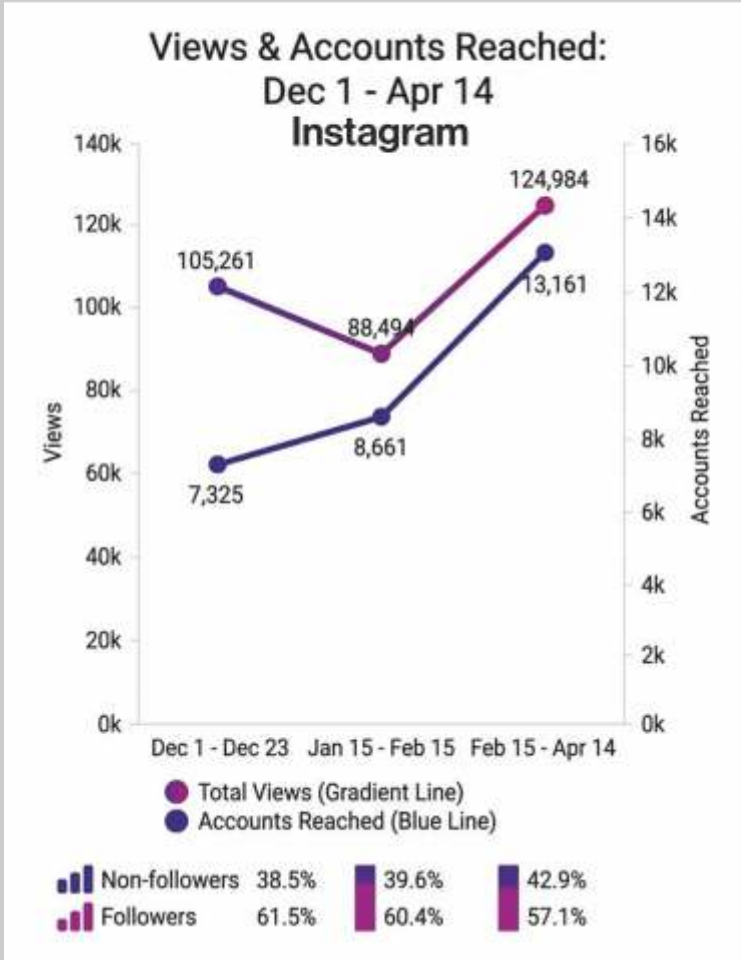
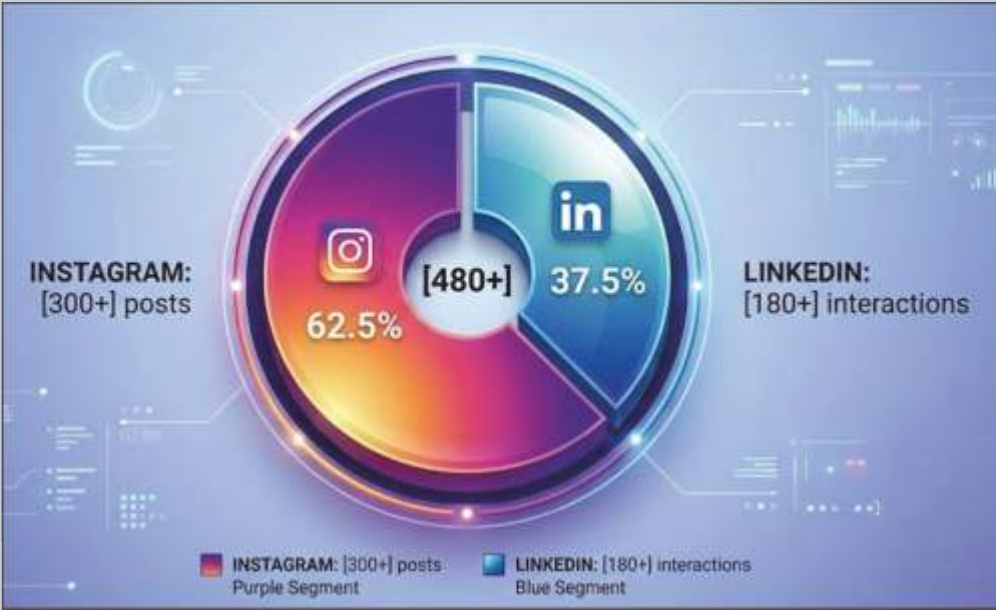




# Program Promotion Overview

The Building Bharat Sampaark Innovation Boot Camp for Civil Engineering Students was intensively promoted across engineering colleges in India, encouraging students to participate. Consistent communication and digital promotion was organized to ensure reach. A specially designed website, (<https://bbsampaark.in/>) ensured clear information, encouraging students to participate.

The program was supported through media outreach, resulting in huge media coverage. Close to 60 publications carried the news on the program, with an additional 60 online coverage. A structured and impactful social media campaign ensured awareness and engagement. Over 200,000 views were secured through engaging content.



## Civil engineering camp by IIT-K for nation building through innovation

TIMES NEWS NETWORK

**Kanpur:** IIT Kanpur recently held Building Bharat Sampaark Innovation Boot Camp in Civil Engineering.

Conceived and led by the Association of Infrastructure Industry (India), the initiative was organised in partnership with JSW Group and supported by office of principal scientific adviser to govt of India under Manthan platform.

It was in collaboration with National Institute of Urban Affairs and All India Council for Technical Education and IIT-K was academic partner. It was second

chapter of the Building Bharat Sampaark series, following its inaugural programme at IIT Gandhinagar. Boot Camp is dedicated to strengthening innovation capacity among civil engineering students through structured industry-academia collaboration.

### STRENGTHENING INNOVATION

The 3-day immersive programme brought together over 300 civil engineering students from leading institutions across India, along with distinguished faculty members and senior

industry professionals. Structured around interactive sessions, panel discussions, mentorship engagements and a Hackathon-cum-Start-up Contest, the boot camp enabled students to ideate and prototype solutions to pressing infrastructure challenges, reinforcing its role as a focused platform for applied learning and innovation in civil engineering. A defining highlight was strong participation of women civil engineering students.

Trustee and director general, Association of Infrastructure Industry (India), Dr Rajaneesh Dasgupt,

who is national director of Building Bharat Sampaark, said the programme envisioned to redefine how civil engineers are prepared for India's future. IIT-K director Professor Manindra Agrawal said, "Such initiatives help young engineers develop critical thinking, practical judgement and ability to innovate responsibly at scale."

JSW Cement CEO Nishesh Narwekar said energy witnessed at IIT Kanpur demonstrated that the next generation of civil engineers was ready to move beyond textbooks to solve real-world problems.

## India's Civil Engineering Students Step Forward at Building Bharat Sampaark Innovation Boot Camp

Kanpur: "Desh ko banana hai. Kuch karke dikhana hai" - Anuradha Kumawat, a woman civil engineering student participating in Building Bharat Sampaark Innovation Boot Camp in Civil Engineering, captured the spirit that defined the three-day national programme.

Building Bharat Sampaark Innovation Boot Camp in Civil Engineering was held at IIT Kanpur from 3-5 February 2026. Conceived and led by the Association of Infrastructure Industry (India), in partnership with JSW Group and supported by the Office of the Principal Scientific Adviser to the Government of India under the Manthan platform, in partnership with the National Institute of Urban Affairs (NIUA) and the All India Council for Technical Education (AICTE), with IIT Kanpur as the Academic Partner.

This edition at IIT Kanpur marks the second chapter of the Building Bharat Sampaark series, following its inaugural programme at IIT Gandhinagar. The Boot Camp is dedicated to strengthening innovation capacity among civil engineering students through structured industry-academia collaboration.

The three-day immersive programme brought together over 300 civil engineering students from leading institutions across India, along with distinguished faculty members and senior industry professionals. Structured around interactive sessions, panel discussions, mentorship engagements, and a



Hackathon-cum-Start-up Contest, the Boot Camp enabled students to ideate and prototype solutions to pressing infrastructure challenges-reinforcing its role as a focused platform for applied learning and innovation in civil engineering.

The scale and seriousness of the IIT Kanpur edition reflects the growing national relevance of the platform. A defining highlight of the programme was the strong participation of women civil engineering students, signalling a more inclusive and confident generation stepping forward to shape India's infrastructure future.

## बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप में सिविल इंजीनियरिंग छात्रों ने संमाली भविष्य निर्माण की जिम्मेदारी

कानपुर। "देश को बनाना है। कुछ करके दिखाना है"-अनुराधा कुमावत, सिविल इंजीनियरिंग में बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप में भाग ले रही महिला सिविल इंजीनियरिंग छात्रा ने उस भावना को अभिव्यक्त किया, जिसने तीन दिवसीय राष्ट्रीय कार्यक्रम की पहचान बनाई। सिविल इंजीनियरिंग में बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप का आयोजन 3 से 5 फरवरी 2026 तक आईआईटी कानपुर में किया गया। इस कार्यक्रम की परिकल्पना और नेतृत्व एसोसिएशन ऑफ इंफ्रास्ट्रक्चर इंडस्ट्री (भारत) द्वारा किया गया, जिसे जेएसडब्ल्यू ग्रुप के साथ साझेदारी में तथा भारत सरकार के प्रधान वैज्ञानिक सलाहकार के कार्यालय द्वारा मंथन मंच के अंतर्गत समर्थन प्राप्त हुआ। यह पहल राष्ट्रीय शहरी कार्य संस्थान (एनआईयूए) और अखिल भारतीय तकनीकी शिक्षा परिषद (एआईसीटीई) के सहयोग से आयोजित की गई, जिसमें आईआईटी कानपुर अकादमिक भागीदार के रूप में रहा। इस पहल के उद्देश्य पर बात करते हुए, डॉ. राजनीश दासगुप्ता, ट्रस्टी और महा निदेशक, एसोसिएशन ऑफ इंफ्रास्ट्रक्चर इंडस्ट्री (भारत) और नेशनल डायरेक्टर, बिल्डिंग भारत संपर्क ने कहा, "बिल्डिंग भारत संपर्क को एक राष्ट्रीय क्रांति के रूप में देखा गया है, जो यह पुनः परिभाषित करता है कि सिविल इंजीनियरों को भारत के भविष्य के लिए कैसे तैयार किया जाता है।"



कानपुर। "देश को बनाना है। कुछ करके दिखाना है"-अनुराधा कुमावत, सिविल इंजीनियरिंग में बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप में भाग ले रही महिला सिविल इंजीनियरिंग छात्रा ने उस भावना को अभिव्यक्त किया, जिसने तीन दिवसीय राष्ट्रीय कार्यक्रम की पहचान बनाई। सिविल इंजीनियरिंग में बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप का आयोजन 3 से 5 फरवरी 2026 तक आईआईटी कानपुर में किया गया। इस कार्यक्रम की परिकल्पना और नेतृत्व एसोसिएशन ऑफ इंफ्रास्ट्रक्चर इंडस्ट्री (भारत) द्वारा किया गया, जिसे जेएसडब्ल्यू ग्रुप के साथ साझेदारी में तथा भारत सरकार के प्रधान वैज्ञानिक सलाहकार के कार्यालय द्वारा मंथन मंच के अंतर्गत समर्थन प्राप्त हुआ। यह पहल राष्ट्रीय शहरी कार्य संस्थान (एनआईयूए) और अखिल भारतीय तकनीकी शिक्षा परिषद (एआईसीटीई) के सहयोग से आयोजित की गई, जिसमें आईआईटी कानपुर अकादमिक भागीदार के रूप में रहा। इस पहल के उद्देश्य पर बात करते हुए, डॉ. राजनीश दासगुप्ता, ट्रस्टी और महा निदेशक, एसोसिएशन ऑफ इंफ्रास्ट्रक्चर इंडस्ट्री (भारत) और नेशनल डायरेक्टर, बिल्डिंग भारत संपर्क ने कहा, "बिल्डिंग भारत संपर्क को एक राष्ट्रीय क्रांति के रूप में देखा गया है, जो यह पुनः परिभाषित करता है कि सिविल इंजीनियरों को भारत के भविष्य के लिए कैसे तैयार किया जाता है।"

## बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप संपन्न

कानपुर। देश को बनाना है। कुछ करके दिखाना है। अनुराधा कुमावत, सिविल इंजीनियरिंग में बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप में भाग ले रही महिला सिविल इंजीनियरिंग छात्रा ने उस भावना को अभिव्यक्त किया। जिसने तीन दिवसीय राष्ट्रीय कार्यक्रम की पहचान बनाई। सिविल इंजीनियरिंग में बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप का आयोजन 3 से 5 फरवरी तक आईआईटी कानपुर में किया गया। इस कार्यक्रम की परिकल्पना और नेतृत्व एसोसिएशन ऑफ इंफ्रास्ट्रक्चर इंडस्ट्री (भारत) द्वारा किया गया, जिसे जेएसडब्ल्यू ग्रुप के साथ साझेदारी में तथा भारत सरकार के प्रधान वैज्ञानिक सलाहकार के कार्यालय द्वारा मंथन मंच के अंतर्गत समर्थन प्राप्त हुआ। यह पहल राष्ट्रीय शहरी कार्य संस्थान (एनआईयूए) और एआईसीटीई के सहयोग से आयोजित की गई, जिसमें आईआईटी कानपुर अकादमिक भागीदार के रूप में रहा। डॉ. राजनीश दासगुप्ता, ट्रस्टी और महा निदेशक, एसोसिएशन ऑफ इंफ्रास्ट्रक्चर इंडस्ट्री (भारत) और नेशनल डायरेक्टर, बिल्डिंग भारत संपर्क ने कहा, बिल्डिंग भारत संपर्क को एक राष्ट्रीय क्रांति के रूप में देखा गया है, जो यह पुनः परिभाषित करता है कि सिविल इंजीनियरों को भारत के भविष्य के लिए कैसे तैयार किया जाता है। प्रोफेसर मनींद्र अग्रवाल, निदेशक, आईआईटी कानपुर ने कहा, सिविल इंजीनियरिंग राष्ट्रनिर्माण की आधारशिला है, और भविष्य के इंजीनियरों को तैयार करने के लिए ऐसी तैयारियाँ आवश्यक हैं जो कक्षा की सीमाओं से कहीं आगे तक अनुभव प्रदान करें। आईआईटी कानपुर को बिल्डिंग भारत संपर्क इनोवेशन बूट कैंप जैसे मंचों को मेजबानी करने पर गर्व है, जो छात्रों, अकादमी और उद्योग के बीच सार्थक सहभागिता स्थापित करते हैं।

વિકસિત ભારત ૨૦૪૭ સાથે સુસંગત નવીનતાનું નેતૃત્વ કરતા

ભારતના યુવા સિવિલ ઇજનેરો આઈઆઈટી બિલ્ડિંગ ભારત સંપર્ક ઇનોવેશન બૂટ કેમ્પમાં નવીન વિચારોનું પ્રદર્શન

(ગૌરવ ખત્રી દ્વારા) અમદાવાદ તા. ૧૯ ઝાંઘીનગર ખાતે ૧૭થી ૧૯ ડિસેમ્બર ૨૦૨૫ દરમિયાન યોજાયેલ બિલ્ડિંગ ભારત સંપર્ક ઇનોવેશન બૂટ કેમ્પ ઇન સિવિલ એન્જિનિયરિંગનું સફળ સમાપન થયું. દેશભરના યુવા સિવિલ ઇજનેરોની ઉત્સાહભરી ભાગીદારી અને ઉત્કૃષ્ટ નવીન વિચારોના પ્રદર્શન સાથે આ બૂટ કેમ્પ એક યાદગાર માઈલસ્ટોન સાબિત થયો. માત્ર સિવિલ એન્જિનિયરિંગ

વિદ્યાર્થીઓ માટે રચાયેલ આ બૂટ કેમ્પ, ભારતના ઇન્ફ્રાસ્ટ્રક્ચર પ્રાથમિકતાઓ અને વિકસિત ભારત ૨૦૪૭ના દ્રષ્ટિકોણ સાથે સંકલિત ઇજનેરી પ્રતિભાને પ્રોત્સાહન આપતું એક અનન્ય શાસ્ત્રીય મંચ છે. ડૉ. રજનીશ દાસગુપ્તા, ટ્રસ્ટી અને ડિરેક્ટર જનરલ - એસોસિએશન ઓફ ઇન્ફ્રાસ્ટ્રક્ચર ઇન્ડસ્ટ્રી (ઈન્ડિયા) તથા નેશનલ ડિરેક્ટર - બિલ્ડિંગ ભારત સંપર્ક, એ કાર્યક્રમ દરમિયાન

જણાવ્યું: "બિલ્ડિંગ ભારત સંપર્ક ઇનોવેશન બૂટ કેમ્પ ઇન સિવિલ એન્જિનિયરિંગને ૬૦૦થી વધુ એન્ટીઓ અને ૭૦થી વધુ સુવ્યવસ્થિત હેકાથોન વિચારો સાથે અદભૂત પ્રતિભા દર્શાવે છે, જે અમારી અપેક્ષાથી ઘણો વધુ છે. આ ઉત્સાહ સિવિલ એન્જિનિયરિંગ વિદ્યાર્થીઓમાં નવીનતા લાવવાની અને ભારતના ઇન્ફ્રાસ્ટ્રક્ચર વિકાસમાં અર્થપૂર્ણ યોગદાન આપવાની પ્રબળ ઇચ્છા દર્શાવે છે. સિવિલ એન્જિનિયરિંગ પર



સંપૂર્ણ ધ્યાન કેન્દ્રિત કરીને, આ મંચ વિકસિત ભારત સાથે સંકળાયેલી સમાવર્ષનની મહત્વપૂર્ણ ખોટને પૂરી કરે છે.

તેની પહોંચ વધારવા માટે, અમે કાનપુર અને દક્ષિણ ભારતમાં વધારાની આવૃત્તિઓ યોજાશે, જેથી તમામ પ્રદેશોના વિદ્યાર્થીઓને સમાન અવસર મળી શકે અને વિકસિત ભારત ૨૦૪૭ના દ્રષ્ટિકોણમાં યોગદાન આપી શકે."

The Building Bharat Sampaark Innovation Boot Camp in Civil Engineering has garnered remarkable recognition and widespread media coverage across the country. The initiative was featured in over 59 print publications, including both national and regional newspapers, highlighting its scale and impact.

In addition, the Boot Camp received extensive visibility across more than 59 digital and online media platforms, further amplifying its reach and influence.

This overwhelming coverage underscores the Boot Camp's growing reputation as a significant platform for fostering innovation and collaboration among aspiring civil engineers. It has been widely acknowledged for contributing to the development of a robust innovation ecosystem, aligned with the national vision of Viksit Bharat 2047, by inspiring young minds to create impactful solutions for the future of India's infrastructure sector.

Newspaper clipping from 'ગુજરાત સમાચાર' (Gujarat Samachar) dated 20th December 2025. The headline reads 'વધતા અર્બનાઇઝેશન સાથે મેગા ઇન્ફ્રાસ્ટ્રક્ચર માટે દેશમાં વાર્ષિક રૂ. ૭૫ લાખ સિવિલ ઇજનેરની જરૂર : ૫૦ ટકા જ મળે છે' (With increasing urbanization, need for mega infrastructure in the country: 75 lakh civil engineers required annually, only 40% available). The article discusses the shortage of civil engineers and the need for more training and innovation in the field.

Newspaper clipping from 'જેજી મેમ્બરાણી' (Jeejee Membrani) dated 20th December 2025. The headline reads 'જેજી મેમ્બરાણીમાં 'વિભૂમ્પા' પાર્ટ સંમ્પાર્ક' નીરવણ' (Jeejee Membrani 'Vibhumpar' Sampaark Niravlan). The article highlights the success of the boot camp in providing a platform for young civil engineers to showcase their innovative ideas and solutions.

Newspaper clipping from 'સિદ્ધિ' (Siddhi) dated 20th December 2025. The headline reads 'સિદ્ધિમાં જીનિયરિંગ તુરણમાં પ્રતિય પ્રાર્દ્સી: જીજી મેમ્બરાણીમાં ૮૦૦ માણસોના પાંચકેન્દ્ર વૈભૂકકકકકકક' (Siddhi Engineering Surge: Jeejee Membrani 800 Manasos Panchakendra Vibhukakakak). The article reports on the large number of participants and the success of the boot camp in fostering innovation and collaboration among civil engineers.



## Industry Participation

### Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026



**Special Thanks to our Industry leaders for their immense contribution**

SHRI MANOJ KUMAR RUSTAGI, JSW CEMENT  
SHRI K SURYA PRAKASH, L&T  
SMT. PRIYANKA CHATURVEDI, DI CHAPTER  
SHRI ARUN KUMAR, BECHTEL CORPORATION  
DR. HARIHARAN SUBRAMANYAN, TATA PROJECTS  
SHRI PRIYARANJAN KUMAR, JSW STEEL  
SHRI VIRENDRA SINGH SUNDA, JSW  
EN UMESH JOSHI, JW CONSULTANTS  
DR. L.R.MANJUNATHA, JSW CEMENT  
SHRI MALAY KUMAR, TATA PROJECTS  
AR. SIDDHARTH KOTHARE, ADANI AIRPORTS  
SHRI B K TRIPATHI, JSW CEMENT  
SHRI SATHIYANARAYANAN MAHADEVAN, TATA PROJECTS  
EN. MUKUL DEHADRAI, JW CONSULTANT  
EN. RUCHA WATVE, JW CONSULTANT  
EN. NIKHIL JOSHI, JW CONSULTANT  
COL. ANAND KUMAR SINGH SSDF  
SHRI ASHISH GANDRE - TATA PROJECTS  
SHRI MEENAKSHISUNDARAM VN, TATA PROJECTS  
SHRI KRISHNAMOORTHY VENUGOPAL, TATA PROJECTS  
SHRI ARUN SENTHILRAJ, SSDF  
SMT TAMALI BHOWMICK, TLC2  
SHRI KAMESH KARRA, JSW INFRA  
DR. PRIYAPRATIM PATRA, JSW CEMENT  
SHRI VIKRAM SRINIVASAN, SAINT GOBAIN RESEARCH INDIA  
SMT. HARINI SANTHANAM, TLC2





## Academic Participation

### Building Bharat Sampaark Innovation Boot Camp In Civil Engineering 2025-2026



**Special Thanks to our Academic leaders for their immense contribution**

DR. DEBOLINA KUNDU, DIRECTOR - NIUA  
PROF. BRAJ BHUSHAN - DEPUTY DIRECTOR, IIT KANPUR  
PROF. RAJAT MOONA, DIRECTOR - IIT GANDHINAGAR  
DR. KALIDINDI N. SATYANARAYANA, DIRECTOR, IIT TIRUPATI  
PROF. MANU SANTHANAM, DEAN, ICSR, IIT MADRAS  
PROF. SANTANU CHAUDHURY, - IIT DELHI  
PROF. S R GANDHI, IIT GANDHINAGAR  
PROF. SUDHIR MISRA - IIT KANPUR  
PROF. PRANAB MOHAPATRA, IIT GANDHINAGAR  
PROF. SACHCHIDA NAND TRIPATHI - IIT KANPUR  
PROF. VIMAL KUMAR - IIT KANPUR  
PROF. RADHAKRISHNA PILLAI, IIT MADRAS  
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SHRI ILYAS IDRIS QURESHI, CREATIVE HEAD

SHRI DEVARSH BARBHAYA & TEAM, MEDIA

SHRI CHAITANYA PRAKASH, TRUSTEE, ASSOCIATION OF INFRASTRUCTURE INDUSTRY (INDIA)  
FOR HIS CONTINUOUS GUIDANCE ON THE PROGRAM

ALL THE STUDENT VOLUNTEERS OF  
IIT GANDHINAGAR, IIT KANPUR & IIT MADRAS



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