

PROGRAM BROCHURE

CEPT
UNIVERSITY
| FACULTY
OF TECHNOLOGY

BACHELOR'S IN CIVIL ENGINEERING





Table of Contents

Shaping the Future of Construction and Infrastructure in our Cities	03
About CEPT University & Faculty of Technology at CEPT University	04
What is unique about Programmes at FT?	05
Bachelor's in Civil Engineering	07
Dean's Message	08
Program Chair's Message	09
Core Competencies	10
Course Curriculum	12
Electives & Summer Winter School	19
Teaching Team	20
Visiting Faculty	21
Learning Environment & Campus Life	22
Student Activities	23
Awards and Recognitions	24
Career Opportunities	26
Alumni Testimonials	28



Shaping the Future of Construction and Infrastructure in our Cities



The world is evolving faster than ever before. Rapid urbanisation and other global mega trends will necessitate housing as well as social, transportation, and utility infrastructure. The engineering and construction sector has a long way to go, especially in the light of looming climate change threats and technological breakthroughs. The construction industry is also critical to our country's development, and is expected to grow much more in the coming years. According to Invest India (National Investment Promotion & Facilitation Agency), the construction industry in India is expected to reach \$1.4 Tn by 2025.

- **13 % of India's GDP will be contributed by the Real Estate Sector by 2025.** (SOURCE: Indian Services Portal, Department of Commerce, Ministry of Commerce and Industry, Sector Overview-Constructed and Related Engineering)
- **Second Highest employment generating sector in India.** (SOURCE: Knight Frank-RICS report)
- **3rd Largest construction market globally by 2025.** (SOURCE: Economic Times)
- **\$4.5 Tn worth investments required in infrastructure sector in India by 2040.** (SOURCE: Economic Survey)

Growth in the construction industry will greatly contribute to the advancement of future cities in India and will require adoption of smarter, more sustainable, resilient, and innovative infrastructure and real estate solutions, as well as the development of a new generation of talent. We will need a new cadre of skilled professionals globally who will meet expanding needs of development.

About CEPT University

Established in 1962 CEPT University is focused on understanding, designing, planning, constructing, and managing human habitats. Its teaching programs are designed to build thoughtful professionals and its research programs aim to deepen the understanding of human habitat. CEPT University also undertakes advisory projects on human habitat.

CEPT University has been recognized as a Centre of Excellence by the Government of Gujarat. CEPT's alumni are leaders in their respective fields in private practice, consulting firms, government organisations, multilateral institutions, and academic institutions across the world. The University comprises five faculties- Faculty of Architecture (FA), Faculty of Planning (FP), Faculty of Technology (FT), Faculty of Design (FD) and Faculty of Management (FM).

Faculty of Technology at CEPT University

CEPT established the School of Building Science and Technology (SBST) in 1982 that focuses on issues concerning Planning, Design, Construction & Management of Human Habitats.

With the Indian construction industry expanding rapidly and multifold, there is an increasing need for efficient and qualified professionals to sustain this growth. Our programmes lay the foundation for students to engage in the dynamics of the industry and understand the construction and design process. With a strong foothold on fundamentals and well-rounded exposure, students step out well-equipped to plan, design and construct human habitats.

SBST has now been renamed as Faculty of Technology (FT). FT offers a total of 5 programmes:

- Bachelor's in Civil Engineering (Honors) - (BCE)
- Master's in Building Energy Performance - (MBEP)
- Master's in Construction Engineering & Management -(MCEM)
- Master's in Geomatics - (MGeo)
- Master's in Structural Engineering Design - (MSED)

What is unique about Programmes at FT?

Studio Based Pedagogy:

- o Teacher Student Ratio 1:8
- o Creative Problem Solvers
- o Innovative Engineers

Pre-Admission Scholarships

Earning while Learning

Study abroad

- o HFT Stuttgart University, Germany
- o IPCB, Portugal
- o Polimi University, Italy
- o Polis University, Albania
- o University of Melbourne, Australia

Practical Training

Cutting edge Library and workshops

NABL accredited laboratory

- o Engineering Materials
- o Earthquake engineering
- o Fluid Mechanics
- o Geotechnical Engineering
- o Concrete Technology
- o Non-Destructive Testing
- o Surveying & Levelling
- o Building Energy efficiency
- o Environmental Engineering
- o Conservation lab.

Computer lab

- o Auto Desk Products
- o ArcGIS
- o Bentley Education Suite
- o ENVI
- o ERDAS
- o Design Builder
- o Light Stanza
- o Primavera
- o ETABS

What is unique about Programmes at FT?

Collaborations:

Student chapters

- o IAStructE
- o IC-American Concrete Institute
- o IEEE-GRSS
- o Indian Plumbing Association

Industry

- Artocrete Possible Collaborative Initiatives
- ESRI India
- Godrej Properties
- Indian Institute of Public Health (IIPH)
- Indian Space and Research Organization
- NeoGeo Technologies
- Oizom Instruments
- Pixxel Pvt. Ltd.
- Shivalik Groups
- Swaneer Projects Pvt. Ltd.
- Vikram A Sarabhai Community Science Centre (VASCSC)
- Visilean Cloudbased Solution Providers

1500 + Alumni making an impact in the industry – leaders in their respective fields in private practice, consulting firms, government organizations, multilateral institutions, and academic institutions across the world.

Note : Curriculum is subject to change to cater the challenging problems of the industry and society.



Bachelor's in Civil Engineering

The five-year Bachelor's in Civil Engineering at CEPT University is a unique engineering program focused on problem-solving and technological innovation in various fields of civil engineering. It is situated within an ecosystem of allied disciplines like architecture, planning and management all of which focus on built environments.

This is the only engineering program in India that emphasises on studio-based teaching pedagogy. Small groups of students engage with real-life problems under the guidance of studio tutors. The 'studio' constitutes the bulk of the academic credits in any given semester. It is supported with mandatory courses, electives and skill-enhancing workshops aimed at expanding conceptual and analytical abilities of students. Students also have the opportunity to engage in various professional chapters such as the IAstructE and Indian Plumbing Association (Student Chapter, Ahmedabad), to meet and learn from industry professionals and engage with peers.

The faculty in the program comprises highly experienced academicians with excellent academic and professional vigour. Apart from the full-time faculty members, visiting professors and practising professionals from the industry regularly teach studios and courses bringing practical experience to the classroom.

The Bachelor's in Civil Engineering program also has a strong network of 1500+ alumni who are making an impact in the construction sector in India and abroad. The network gives students a chance to get in touch with them about future career prospects through the student- Alumni Interaction platform.

Degree offered: B.Tech (Honors) Civil Engineering

Dean's Message



Dr. Aanal Shah

Dean

Faculty of Technology

CEPT University offers teaching programs, aimed to build thoughtful professionals, where the students are engaged with studios offering well-designed life- like problems. This objective is realized by collaborative work of eminent practicing professionals and faculty members of the university. Faculty of Technology is one of the five faculties of CEPT University offering an undergraduate program of B.Tech (Hons.) Civil Engineering.

The program is a highly reputed program across India and is training students to be civil engineers for the future. Students of this program emerge as problem identifiers and problem solvers, innovative engineers with creative thinking and are trained to work with interdisciplinary fields. They are exposed to a wide array of studios and courses allied to the areas of materials, building services, construction technology, structures, environmental engineering, transportation engineering and geo-technical engineering. Students are exposed to professional field for about 18 weeks and their ability of self-learning is achieved by doing independent research study in the last year of their program. It is indeed a matter of pride to see that the Graduates from this program have embarked upon the professional journey as entrepreneurs, consultants, structural designers, construction managers or academicians. Some of them have chosen a path of higher studies and research. If you are passionate about improving the built environment in our cities and want to pursue an exciting career in the rapidly growing construction, real estate, and infrastructure sector, then this program is for you!

Program Chair's Message



Tushar Bose

Program Chair

Bachelor's in Civil Engineering

Globally, there are fundamental shifts in the construction industry landscape. Urbanization is expected to charge growth in emerging markets. With urbanization, the issue of climate change will continue to escalate as a driving force behind construction decisions. driving force behind construction decisions. enhance efficiency. Artificial intelligence (AI) and software systems are increasingly being employed across engineering and construction value chain.

With these changing trends, the industry is going to need people with higher order thinking and innovative skills to create cost- effective, user friendly, sustainable and financially viable solutions in high paying jobs and entrepreneurship ventures. Solution oriented engineers with domain knowledge about the industry, ranging from finance, technology to management, will be required. Strong communication and problem solving abilities will become very valuable.

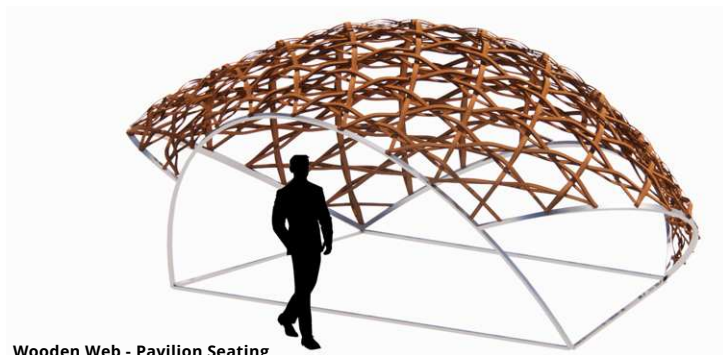
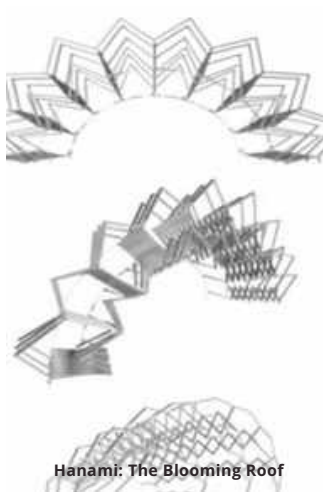
The program prepares young aspirants to become future engineers, who can respond rapidly to the latest industry trends. We encourage innovation and design thinking in our studio based learning. Our students are competent to collaborate with interdisciplinary teams as a result of the exposure they gain within the CEPT ecosystem, interacting with other built-environment professionals. At the end of the 5 years, our graduates are equipped with the essential knowledge, expertise and key skill-sets required to succeed in the diverse career paths they may chose and are prepared to make a significant impact in the industry.

Core Competencies

The role of engineers in the construction industry is changing to meet the demands of the future. The program's learning pedagogy is geared toward equipping young professionals with necessary skills needed to meet the sector's problems and changing dynamics.

At the end of the 5 years, students develop expertise to solve complex engineering problems and work across various streams.

IPR registered to date under the BCE program: 10 projects, 26 students.





Course Curriculum

SEMESTERS –I & II

CEPT FOUNDATION PROGRAM (CFP):

Students go through a foundation program, which is a unique feature of undergrad education, where all first-year students from Architecture, Design, Planning, and Technology study together for the first year. This allows fresh minds to think beyond boundaries and learn across disciplines. CFP focuses on the basics and builds on the abilities to work with freehand and technical drawing, understanding and representing spaces in perspective, digital representation, surveying and mapping, and material testing. CFP introduces students to working with different materials in workshops, from wood and metals to 3D printing. The CFP also emphasises two-semester training in building communication skills through reading, writing, and comprehension workshops, thereby gearing up the students of CEPT University for professional practices.

SEMESTER –III

1.SOLID MECHANICS

The course aims to teach the importance of the strength of materials with respect to civil engineering, analysis and design. It introduces the students to the concepts of engineering, mechanics of materials, and the behaviour of solid objects i.e., deformable bodies in terms of stress and strain when subjected to external loads.

2.APPLIED MATHS

The course focuses on building numerical skills that will be used during the entire course of study. The course covers calculus and its applications, matrices, linear programming, probability and statistics, introduction to three-dimensional geometry, and graph theory.

SEMESTER –IV

3. STRUCTURAL ANALYSIS

The course introduces students to the concept of overall structural stability, the theory of structural analysis, and methods of structural analysis. It also involves rigorous calculus and mechanics of solids to compute the structure's response in terms of internal forces, stresses, support reactions, and deflections. The results of the analysis will define the structure's suitability for use.

4.CONSTRUCTION TECHNOLOGY

The course introduces the students to the elements of a building. It starts with discussions on types of buildings and structures, site investigations, types of foundations, excavation planning and techniques, building components, their types and associated terminology – roof, floor, doors, windows, staircases, and an introduction to tools and equipment for construction.

SEMESTER –V

5.ENVIRONMENTAL ENGINEERING

The course provides students with an understanding of the significant aspects of the Environment, related acceptable standards and management. The details of air and noise pollution and management, solid waste management, and water and wastewater treatment processes are covered within this course.

6.FLUID MECHANICS

The course introduces students to principles of fluid mechanics and their application to civil engineering domains. The course covers properties of fluids, fluid statics, mechanics, and dynamics, including the measurement of pressure, velocity, and flows in fluid systems.

SEMESTER –VI

7.GEOTECHNICAL ENGINEERING

The course focuses on concepts of geotechnical engineering, including soil mechanics (types of soil and their behaviour under different exposure conditions), in-situ testing, and field and laboratory investigations of soil and foundation design.

8.TRANSPORTATION ENGINEERING

This course imparts basic concepts of Transportation engineering including road and other transport systems (surface, water, air), geometric design of roads, road pavements, urban public transport system, traffic survey methods and forecasting, traffic control devices for intersections and midblocks, pedestrian and cycling facilities, traffic signal designing, road safety engineering, and accident investigation.

SEMESTER – VII & VIII

9.REINFORCED CONCRETE STRUCTURES: CONSTRUCTION AND DESIGN

This course enables students to design a reinforced concrete structure as per the Indian regulations, Loads and load transfer path, interpretation of forces (shear, bending, axial force) subjected to various elements of a structure and subsequently, their analysis, design and detailing as per standard norms is dealt with. Students are also acquainted with the construction process of Reinforced Concrete Structures through a site visit, thus facilitating their understanding regarding the implementation of the design practice.

10.STEEL STRUCTURES: CONSTRUCTION AND DESIGN

This course teaches students the fundamental principles of analysing, designing, detailing, and constructing steel structures as per the Indian regulations. The course covers steel metallurgy, properties of structural steel, design of tension members, compression members, flexural members – laterally supported and laterally unsupported, column, column base, and connections between these elements – bolted and welded. Students are also acquainted with the construction process of Steel buildings through a site visit, thus facilitating their understanding regarding the implementation of the design practice.

11.BUILDING MATERIALS AND METHODS FOR ENERGY EFFICIENCY

The objective of this course is to sensitise the students to the energy scenario of buildings and how building construction and materials can significantly change the energy requirement for air conditioning in the indoor environment. Students learn about the fundamental concepts of heat transfer, which are necessary to understand the interaction of the building envelope with the interior and exterior environments.

12.BUILDING SERVICES

This course provides an understanding of services such as Mechanical (HVAC), Electric, Plumbing, Fire Protection, and Building Automation that are essential for the effective performance of a building or a facility. The principles of design, load calculations, capacity determination, and standard engineering practices are discussed through various case studies.

SEMESTER – IX & X

13. CONSTRUCTION PROJECT MANAGEMENT

This course covers three main aspects of project management: Planning, Organizing, and Controlling. The course imparts knowledge about project management theories, tools, and techniques as applied construction projects to achieve completion with time, cost, quality, and safety objectives.

14. ADVANCED CONSTRUCTION TECHNOLOGIES

The course is offered to introduce advanced construction processes, cutting-edge technologies incorporating mechanization, and tools currently involved in constructing projects through case studies. The course plan is divided into three modules - High-rise construction, Bridges and Metro construction, and Road construction.

15. DIGITAL TECHNOLOGIES

The course introduces students to new digital technologies wherein they work on an individual building/infrastructure project and understand the concepts of virtual design and construction processes. Digital technologies like Building Information Modelling (BIM) are explored for practical solutions to engineering tasks through virtual design and construction and exploring collaboration with other professionals and users for presentation and information exchange.

16. QUANTITATIVE ANALYSIS TECHNIQUES

The students in this course are introduced to quantitative methods for data analysis. The course introduces measures of central tendency, dispersion, and probability. Then, it delves into inferential statistics and introduces various tests. Simple Linear Regression is also covered during the latter part of the course.

PROFESSIONAL TRAINING

After successful completion of the 3rd year of the program, students undertake professional training in one of the remaining semesters. This training can be taken in any national or international organisation, on-site, or in a consultant's office. Through this approach, the abilities for knowledge creation and attitude of lifelong learning are inculcated in the students, giving them the freedom to chart their professional path.

DIRECTED RESEARCH PROJECT (DRP)

DRP stands for a directed research project that is anchored by an instructor/guide that a student chooses, typically in the pre-final/final semester of studies. These projects are a part of a larger ongoing or proposed research project of the guide. Students through these projects learn to develop a research framework and undertake research independently.

STUDIOS

Studio-based learning is the mainstay of teaching and learning at CEPT. Small groups of 10-12 students engage with life-like problems under the guidance of one or two tutors. Studio units focus on building students' abilities, exposure to concepts and ideas, and developing their individuality and voice.

L1: Level 1 students undergo courses to develop basic observational, drawing, making, problem-solving, and communication skills. The students acquire these skills at the CFP.

L2: Level 2 students undertake L2 studio units that build students' abilities around: 1) Analysing and designing, 2) Constructing and specifying, 3) Planning and organising, and Building arguments and rationales.

L3: Level 3 students undertake L3 studio units focussed on thematic expertise and individual problem-solving abilities to tackle complex engineering problems and address social, environmental, and technical concerns.

Studios are offered in Structures, Infrastructure, Building services, Innovative materials, Construction Technology/ Management, and Geo-technical engineering. A few offered in the past are listed below:

Studios are offered in Structures, Infrastructure, Building services, Innovative materials, Construction Technology/ Management, and Geo-technical engineering. A few offered in the past are listed below:

Structures

- Cantilevered Structures-Form, Material, Design, and Construction
- Deployable Structures - Concepts and Explorations
- Designing spaces in Reinforced Concrete
- Designing Spaces in Steel/ Form and Structure: Steel
- Explorations in Wood: Material, Form, and Construction
- Exploring Pedestrian Bridges
- Structural Expressions in Masonry

Infrastructure

- Planning and Design of Road Infrastructure
- Engineering Urban Water Systems
- Urban Road Intersection Design and Analysis

Building Services

- MEPF: Services, Design, and Coordination
- Plumbing Design Studio
- Network Design for Water Systems

Materials

- Concrete: exploring its versatility
- Engineering Sustainability: Impact of Design, Materials, and Technologies
- FaBricks: Customising Bricks
- Waste Management Through Application in Construction

Construction Technology/ Management

- Exploring the Indigenous Construction Techniques and Reinterpreting them in the Modern Context
- Project Procurement Management
- Construction Engineering for Mass housing projects
- Industry 4.0 in Construction Technology

Geotechnical Engineering

- Geotechnical Parameters: Influencing Foundation Systems





Electives & Summer Winter School

CEPT University cherishes the individual interests and abilities of its students. Students get a chance to chart their learning paths by completing a portion of the credits by choosing from a wide range of elective courses offered at any of the five faculties at the University. It gives them a greater exposure to a wide range of disciplines related to the built- environment and an opportunity to collaborate on a multi-disciplinary campus. Students also get a chance to select from a range of travel-based courses organized as part of the Summer Winter School (SWS) programs. SWS courses differ from the regular semesters in terms of structure, approach and content. The key words that capture the spirit of SWS are experiment, variety and innovation. The courses in SWS are intense and are for short durations of between two to four weeks. Following is an indicative list of electives and SWS courses opted by our students:

* Subject to change every semester.

ELECTIVES & SWS COURSES:

- Adaptive Structures: Exploration of Kinetic roof technologies
- Air Pollution: Sources and Control Technologies
- Applied Statistics with Python and Excel
- Basics of Finance
- Cartography and Mapping
- Construction Supply Chain Management through Case-Studies
- Data Science and Machine Learning for Everyone
- Environment impact assessment for Infrastructure project perspectives of urban infrastructure
- Exploring nature-based infrastructure solutions for sustainable urban development
- Introduction to Automation and Internet of Things (IOT)
- Introduction to BIM
- Programming with Excel and R Studio
- Python for Statistics
- Real Estate and Valuation
- Smart Cities: Role of Engineering in Urban transformation
- Vernacular Structures
- Water & Wastewater Analysis

Teaching Team



Aanal Shah
(Ph.D)



Bhargav Tewar



Birva Joshi



Devanshu Pandit
(Ph.D)



Dhara Shah (Ph.D)



Dipsha Shah (Ph.D)



Ganesh A. Devkar
(Ph.D)



Jyoti Trivedi (Ph.D)



Kanisha Vora



Komal Parikh



Manushi Bhatt



Minoli Shah



Minu Agarwal (Ph.D)



Rajan Rawal (Ph.D)



Rashmin Damle
(Ph.D)



Tapan Betai



Tushar Bose



Vatsal Patel (Ph.D)

Visiting Faculty

Azim Yunus Gunderwala

Senior Manager Planning | SPCL

Charmil Shah

Assistant Manager | HDFCL

Devesh Shah

Proprietor/Owner | Arise Enviro Consultants

Dhruvin Parekh

Design Engineer | VMS Eng. & Design Services Pvt. Ltd.

Dipen Mehta

CMD | Aqua Utility Designs & Management Pvt. Ltd.

Japan Shah

Proprietor | Japan Shah Consulting Engineers

Mamta Balodi

Visiting Scientist | Indian Statistical Institute Bangalore

Nikunj Dave

Director | Hemil Innovations LLP

Rajnikant Trivedi

CEO | Vibhakar J. Trivedi & Co., Chartered Accountants

Rohin Sher

Founder | StudioSher

Shamik Desai

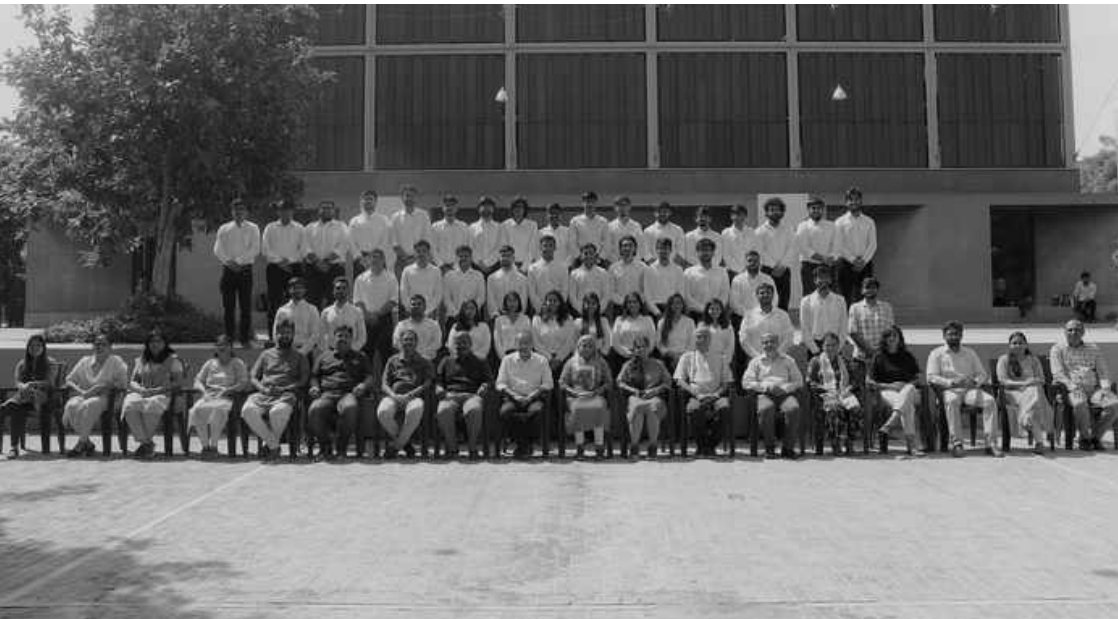
Chairman & MD | Prishma Consultants Pvt. Ltd.

Varun Yadav

Founder | ICES(EE)

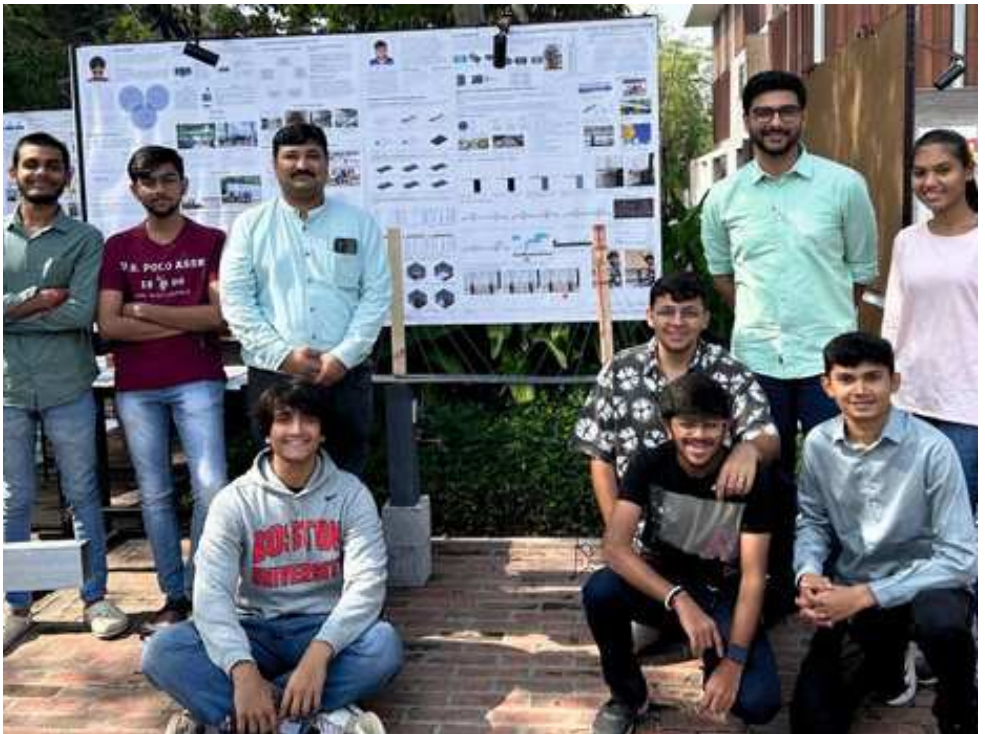
Vasav Bhatt

Principal Architect | Vasav Bhatt Architects



Learning Environment & Campus Life

The atmosphere on CEPT campus is lively and conducive to free thinking. Interdisciplinary learning is encouraged, and students get to collaborate with other built-environment professionals within the ecosystem of CEPT University. Students have access to various resources such as workshops, CEPT labs, the CEPT library, IT labs, etc. Workshops and fabrication labs are equipped with state-of-the-art machines including 3D printers and laser cutters. CEPT labs are also equipped with material testing facilities, which allow students to undertake experimental studies in structural design, concrete technology, geotechnical engineering, environmental engineering etc. The state-of-the-art library has a wide variety of books, foreign journals, and other resources available to all students, making CEPT University one of the best in the country for built-environment resources. The in-house IT support, premium printing and stationery facilities, student service office, university press and other services are some additional facilities that enhance the learning environment at the university.



Student Activities

CEPT University boasts of its multifarious and multifaceted culture on and off campus, reinforcing its image of an institute that inculcates an all-round development of its students. The multicultural aspect of CEPT University makes it possible for students to celebrate traditional and regional festivals on campus with zest. Sports competitions such as the Amity Cricket Cup, Volleyball Tournament, Box Cricket League, and others foster a positive environment, giving ample opportunities to participate. The FT also celebrates Engineer's day each year where students work around a topic to create awareness through role-play activities, lectures from eminent personalities, quiz contests etc. Additionally, students also participate in other student committee driven programs, events and competitions. FT students frequently initiate socially responsible activities such as distribution of food packets, blood donation drives, and educating children of construction workers.



Awards & Recognitions

2024

- Students secured 1st and 2nd places in the national Indian Plumbing Association competition.
- **IPR Registration:** The "Wooden Web - Pavilion Seating," designed by Student, is registered with the Gol's Controller General of Patents and Designs.
- An alumna (Batch 2016), received the prestigious Charles W. Graham '88 Graduate Fellowship at Texas A&M for her academic excellence and dedication.

2023

- Student participated in "Poster Presentation" at the prestigious International Land Use Symposium (ILUS) 2023 receives 'Best Poster Award'.
- An alumnus (Batch of 2018) coauthored a paper with Dr. Jyoti Trivedi, which was selected as the First Runner-up at ICCRIP-2023.
- Student won the National Design Competition by UltraTech Cement and led his team to victory in the Solar Decathlon India for Single Family Housing, praised for blending tradition with advanced technology.
- **IPR Registration:** Water Efficient Urinal designed by Students, registered with the Office of Controller General of Patents.
- Student, won YRE National Single Photograph Reportage and second prize in International YRE Competition 2023.
- Students secured the 2nd rank in Bentley's Structural Design (CASO DE ESTUDIO – The Case Study Competition), organised by Civil Engineering Forum , IIT Bhubaneswar.
- Students secured 1st and 3rd place in RACHNA (one of the events of XPECTO'22), organised by Science and Technology Council, IIT Mandi.
- Students developed the 'Emergency Deployable Bridge' which was patented by the Government of India
- Students won 2nd, 9th, and 10th place at the ICI-Quiz-O-Mania
- Students won 1st and 2nd place at Nirman (A National Level Symposium)

2022

- Students secured 1st place in Pragyam 2022, the annual international techno-managerial festival of NIT Trichy
- **IPR Registration:** HANAMI: THE BLOOMING ROOF, a project undertaken by a graduate of Bachelor's in Construction Technology program, Aaradhya Parakh has been registered and published by the Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India .
- Students secured 1st place in Yagachi Resort masterplan Competition organized by Snaptrude Inc., in association with Access Developers Pvt. Ltd.
- Students secured 1st place in LOGIQ, an event of AAKAR- the Annual Civil Engineering Festival of IIT Bombay.

2021

- Student awarded full scholarship to Purdue University, West Lafayette
- Student won 2nd prize at the India Skills Competition
- Student won 1st and 3rd prize at the National Geotechnical Competition 'Geovisleshana'

2020

- Student proposal on 'Celebrating the intangible essence of Ahmedabad approved for World Heritage Volunteer Program.
- Student awarded the Shardashish Interschool Fellowship for Master of Science in Civil Engineering (Concentration: Structural Engineering) at Columbia University, New York



Career Opportunities

Graduates of the program are working in multi-national design, infrastructure and construction corporations, consultancies, government agencies, academic and research institutes in India and overseas. Some of them have also started their own construction and technology ventures.





Alumni Testimonials



Gaurav Goyal

Batch 2018

The program is one of India's most unique engineering program. Since my first year, I have had site exposure which had improved my technical, practical and on-site knowledge. The studio pedagogy, which includes a specific problem statement for each lesson, aids me in analysing, designing, constructing, specifying, planning and organizing and building arguments and rational. It prepares us for becoming future-ready.



Vishesh R. Mistry

Batch 2017

The students have always been interested in learning the principles of engineering from a practical standpoint. During my first year of study, I learned the engineering. Every year, we received offers principles of civil from several studios to learn about a variety of Construction Technology subjects. All engineering sectors are quickly expanding and interdependent, and this curriculum focuses on learning in the domains of architecture and urban planning. The CEPT Campus provides the ideal atmosphere to learn and grow in a community and the culture of CEPT is iconic.



Yashvi Bhatt

Batch 2017

Our program not just focuses on the Theoretical knowledge but it also puts emphasis on the Practical knowledge . I got an opportunity to become a student intern twice on the construction site at in initial years of my study, which enhanced the understanding of the workow, site-practice, work-methodology and the relationship between theoretical and practical aspects of the construction site. Professional training helps student to get ready before entering the real world. These training helps us to understand our journey going forward in our Professional lives and to improve the academic study one have done.



Jehan Tripathi

Batch 2019

At this university, learning isn't just about textbooks; it's about hands-on experience and real-world application. The courses are structured around 4-month hypothetical projects, allowing students to design, plan, and analyze their ideas. What's truly special is the peer learning environment, where students from different years collaborate, enriching each other's understanding. The culmination is extraordinary: Industry experts join as jurors for the final assessment, providing invaluable insights. It's a recipe for success, blending theoretical knowledge with practical skills in a supportive community.



Nihal Patel

Batch 2019

The program helps in getting a hands-on experience and know the entire process which goes in designing and construction of project. The studio pedagogy adopted, enhances peer learning and team work. The curriculum focuses on providing an insight into the conceptual aptitude which an engineer would require in his professional career. My two years at CEPT has allowed me to interact with pioneers of their respective fields through different manners and allowed me to explore the subject.







UNIVERSITY DETAILS

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