

# Masters in Construction Engineering & Management

## WHY STUDY CEM?

### 1. Beyond Four Walls

The teaching pedagogy of CEPT emphasizes on the practical application of knowledge. The complete life cycle of a project is studied, and the theory involved in managing a project is supplemented with real-life examples in the studio. Further, exposure to live projects in the form of internships and expert lectures, provide limitless learning to the students, extending far beyond the four walls of the classroom.



### 2. Future Ready

Incorporating futuristic technology-dependent learning, the course of CEM ensures that the students possess the necessary software skills that are required in the industry. The knowledge of theory coupled with technical skills helps the students to adapt faster on-site and make them competent in finding the perfect blend between diverse disciplines.



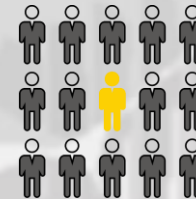
### 3. Master of all Trades

The university offers scholars a large variety of elective courses across all disciplines in the university, to widen their horizons and broaden their scope. It allows them to work on their soft skills and gives them a learning experience that goes beyond a structured classroom. The flexibility to choose a topic of their interest and to integrate it into their skillset helps them to stand out from their peers.



### 4. Guided by the Best

The students in the MCEM program are not only guided by excellent academia, but also by industry leaders associated with reputed institutes and organizations. The review, evaluation, critique, and guidance of the best from the field help mould these young minds and provides a blueprint for the institution and the students to evolve in academic prospects.



## 5. Balancing Act

CEPT University perseveres to produce students with a holistic personality. Presentations form an integral part of the curriculum, equipping the students with the much-needed soft skills along with technical know-how. The comprehensive development inculcates a sense of conceptual clarity, leadership ability, and trains the students to structure their ideas logically.

## 6. Less is Really More

Each batch of 24 students is hand-picked by esteemed panellists, from across the country, through a rigorous admission procedure. The smaller batch size helps ensure personalized interaction and focused attention from the expert faculty, grooming the students for the professional front.

## 7. Assortment of the Best

Each batch consists of students from architecture and civil engineering disciplines, with prior experience as interns and professionals in the field of construction and design. This diverse background creates a conducive environment for positive learning and productive discussion which further benefits their overall development.

## 8. A Class of its Own

CEPT has one of the richest cultural heritage and history among the best universities in the land. The culture at MCEM-FT helps the graduates become complete professionals with proficiencies ranging from technical understanding to artistic skills. Today, our alumni are some of the most sought-after executives in India and abroad. We have created some of the best leaders in the field and continue doing so every year.

## 9. We adapt!

CEPT University aims to create leaders who do not stop due to obstacles and effortlessly adapt to changes. This fundamental outlook has helped the management and students work through situations of uncertainty, such as a global pandemic, without any impact on the quality of work. Delivering the best outcome on time forms the foundation of the MCEM graduates.

# PAST RECRUITERS

SECTORS WE FIT IN:



PROJECT MANAGEMENT



ADVISORY & CONSULTANCY



VALUATION & AUDIT



CONTRACT MANAGEMENT



INFRASTRUCTURE MANAGEMENT



BUSINESS DEVELOPMENT



VDC & BIM COORDINATION



FACILITY & ASSET MANAGEMENT



DESIGN MANAGEMENT



CUSHMAN & WAKEFIELD



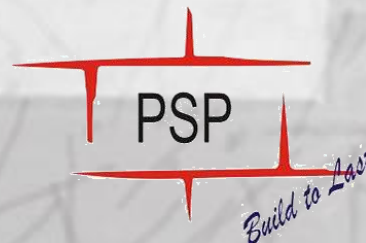
MOTT MACDONALD



MMOSER ASSOCIATES



KALPA-TARU







## JAIRAM PUNCH

Managing Director, Turner India,  
Mumbai



We are extremely pleased with the quality and calibre of students from CEPT Construction Engineering and Management. The students come with excellent attitude, relevant industry skills and working knowledge with abundant desire to learn and contribute consistently. Much of the credit goes to the faculty, curriculum and the right environment that CEPT campus provides in shaping young minds in quest of excellence. Being an alumnus of CEPT University, it gives me sense of pride and honour to be associated with the Alma Mater over the years



## JATIN SHAH

National Director (Office of MD  
and Chairman India), Colliers  
International



Specialized course of M.CEM at CEPT University produce competent professionals, capable of taking on challenges and are trained to add value to the real estate industry. These students have been associated with us as employees and as interns, where they have excelled in the work assigned to them.

The key role of Design Coordinators, Development Managers, and Planning Managers is to understand the Clients' needs and students have fulfilled them in the best of their interest. Developing and impregnating strategies critical to take the project to successful completion and ensuring effective collaboration amongst all Consultants, Designers and Clients highlights the comprehensive knowledge which they have gained from the course and how easily they can relate it with the experience they continue to gain.





## ISHAN JUNEJA

Regional Client Manager  
CBRE South Asia Pvt. Ltd.

“

Being an Architect, you love to see how the building you have designed is coming up at the site. When you are learning Architecture, there are very few instances wherein you get to learn the practical aspects of building construction. Thus, to gain more practical and managerial knowledge in the field of construction, I opted for pursuing my MTech in Construction & Project Management from CEPT University.

The CPM course being offered at CEPT consists of almost all the aspects which are considered as an important part of the Construction Industry i.e., Advance Construction Technologies, Project Planning, Contract Management, Fundamentals of Real Estate, Project Finance, Facility Management, Business Development, etc. After going through this 2-year course at CEPT, I was confident enough that now I can perform any role in top-performing organizations of the Real Estate Sector.

In my current role at CBRE, I am utilizing the skills acquired at CEPT in managing business and multiple client accounts.

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## ROHIT SHARMA

Sustainability Manager & BIM Team Leader,  
Turner

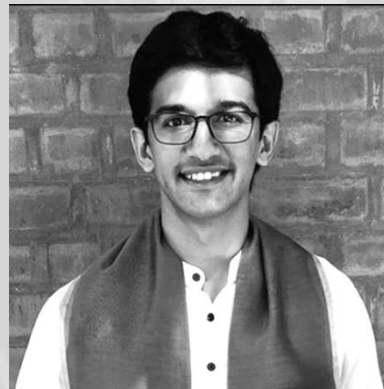
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Every journey starts from the first step, the most important thing is to have the step in the right direction. My journey in the construction industry also started with CEPT University. The most important thing is not to “learn something”, one should know “how to learn” and that is something which I learned at CEPT University.

CEPT provided me with opportunities to interact with many international professors and industry experts which further helped me to have an industry expert (CEO of Visilean) as my thesis guide. Also, it becomes very important to note -

‘which companies are regularly visiting the college for internship and placement requirements?’, I did my internship with Turner at the Statue of Unity project and later got placed with Turner Project Management India Pvt. Ltd. One thing which helped me to climb up the stairs is the solid foundation provided by the faculties of the MCEM program & I am thankful to all the staff of CEPT University for playing a very vital role in my journey.

”



## ISHAN SONI

Deputy Planning Manager, Shapoorji Pallonji  
and Company Pvt Ltd

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CEPT has a unique way to teach, nurture and impart knowledge. It isn't about the learning catered inside the four walls but about gaining insights from everything happening around you. At CEPT, an individual is free to choose the type of medium suitable and comfortable to explore his or her area of interest. Exploring the CEM course here, provided me an opportunity to have hands-on experience of ongoing construction projects, painting a real picture of a construction site, day to day happenings as well as management consultancy

services. It gave me an additional advantage while stepping into the actual world of construction and helped me achieve the key milestones of my career path.

The course of action and expertise of the esteemed faculties are the key assets for the system. The credit-based system, pragmatic studios, selection of electives from different disciplines and cutting-edge facilities of the campus inspired us to expand our horizon of knowledge and sharpen our skill sets while preparing us for the journey towards achieving our goals.

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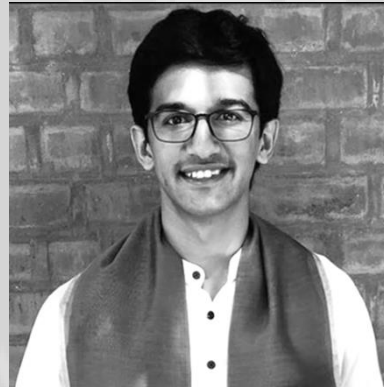
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## HARISH K.V.S

ATKINS, Assistant Project Support  
Officer

“ The CEPT MCEM course undertakes a practical studio-based pedagogy in harmony with the industry. The curriculum covers all the project life cycle stages, namely - inception, development, execution and operation & maintenance. Including contracts and finance, the course helps students effectively comprehend the bigger picture of construction project management, thereby enabling them to fit across a variety of job profiles. ”



## PORUS P. JAIN

Ernst & Young, Executive in  
Transaction & Corporate Finance

“ The construction industry might be the only industry that still values experience over talent, and that contradicts with the education system of most of the engineering institutions in India. However, the studio-based approach of MCEM combined the theoretical knowledge of techniques with the practical application of project sites and stakeholders to provide me with a holistic worldview of the industry. This prepared me for the industry by helping me understand its past and present and providing me with the knowledge, tools, capabilities and confidence to attempt to shape its future. ”



## JILAN MODI

IARCS KPMG, Associate consultant

“ CEPT University is truly one of a kind educational institute which combines all streams of build form under one roof right from architecture, interior designing to management, building energy, project management, etc. I am truly grateful and proud to say this is my alma mater. CEM is truly a complete package when it comes to producing world-class level techno managers. The course curriculum is very carefully planned covering all aspects of construction management. The able guidance of permanent and visiting faculties, ready access to a huge and rich library, regular field visits are a few advantages to mention. I must admit that CEPT has been a life-changing experience for me. ”



## RUSHIT MODI

Senior Development Manager,  
Synergy Properties

“ CEPT University is a crucible for a variety of courses that has a significant contribution to the built form in India and abroad. ”

CEM course design has very meticulously ensured the amalgamation of technical and managerial subjects for the industry. It is one of the best courses available nationwide in the subject that elevates the mindset and skillset of an engineer to managerial and leadership levels. The course holistically covers all topics from core civil engineering to finance, management, real estate, BIM, industrial software, etc. All the core and visiting faculties are extremely experienced and highly regarded in their respective fields. One of the most important benefits of studying here is interaction with the brightest minds and trailblazers in the industry who frequent visits here regardless of their tight schedules.

The unparalleled benefit of studying in CEPT is the interaction with students and faculties from across the fields of architecture, planning, interior design, technology. This helps in understanding the technicalities, mindset and approach from different professionals right in the school which is a tremendous benefit while collaborating at a later stage in professional life. Studying at CEPT was a metamorphosing experience in my personal and academic life!





## ABHIJIT LOKRE

Founder Partner, The Urban Lab



I have interacted with this batch of students and their faculty for their studio exercise in semester 1. I found their work to be of good quality. The students are trained to question established paradigms and search for solutions that can work in real life. I wish them the very best.



## SAGAR DESHMUKH

Associate Director of LEA Associates  
South Asia Pvt. Ltd. (LASA).

I'm confident in strongly recommending M. Tech. - CEM batch as "Ready to Take on Professional Challenges". While interacting with them through studios, projects and juries, I got to know about the versatility of the group. Certainly, credit goes to 'one of its kind curriculums', the guidance of best faculties and exposure to the industry makes them more than value-added candidates.



## RAJESH GANATRA

Sr. Manager - QA/QC, Monte Carlo Ltd.

Guiding Enthusiastic and Passionate Architects and Civil Engineers has always been exciting and challenging at the same time. It was a pleasure to have a discussion on live projects with the batch of 2019-2021 as a part of their studio. Also, from my experience as their juror, I can confidently say that the students from this program understand all aspects and have 360-degree knowledge of the industry and will prove to be an asset for any organization that they join.



## SONALI DHOPTÉ

Co-founder, Technical Director,  
Excelize Pvt. Ltd.



It was a wonderful experience interacting with the students. The students had good knowledge about their field. All of them seemed interested in the sessions conducted by me as most of them had questions to ask which really gave a sense of them being attentive throughout the session. Overall a highly deserving batch I should say! My best wishes to each & every student for a bright & successful future.





## AMARNATH C.B.

Head-BIM Strategy,  
L & T Construction  
President, India BIM Association

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I was invited as Jury Member for 3rd Sem MCEM 2019-21 Batch students, I realized that students are getting equipped with the necessary skills and competencies in delivering BIM projects. These students are passionate and knowledgeable in the area of Digitalization, which is the key to Digital Transformation of the Indian AECO Sector. I like to thank the CEPT faculty for inviting me as Jury Member. My best wishes to all the MCEM 2019-21 batch students for a bright and successful future.

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## CHETAN MALI

Manager BIM Strategy, L&T Construction  
Active Member India BIM Association  
(IBIMA)

It was great to be a part of the jury panel for the studio project of master's students. I really appreciate the sincere efforts of students for their dedication, time management, and team skills and have also been able to advance these skills to the whole new augment level of leadership and as a subject matter expert for their selected project. The best thing about such a studio project is the collaboration between academia and industry which encourages the adoption of current best practices and practical applicability in industry. Project guides have put in excellent efforts to groom and make students future leaders as per industry requirements.

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## KALYAN VAIDYANATHAN

Co-Founder & CEO at Nadhi Information  
Technologies Pvt. Ltd.

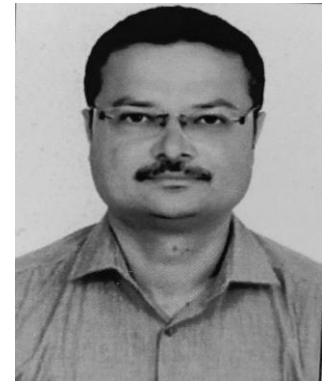
I was a Jury member for the studio project review this semester. Despite the pandemic limitations, each team had taken great effort to get real life experience in applying the latest construction technologies for virtual design and control. The students were very grounded and could relate to its practical applications and limitations when used in real life. The construction industry feels young again and there is a lot of energy and excitement to use technology and automation to push the industry forward and I look forward to interacting with these students as young professionals and they help push the industry forward.

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## AMAR SANGHVI

Project Management Consultant and  
Managing Partner, Plus9 Project  
Management Consultancy



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While interacting with the students during, studios and juries, I am Confident in recommending M.Tech CEM students as a Ready Construction Management Professional. The curriculum designed is unique of one of its kind and the students are trained to resolve real-time solutions that can work in a professional environment. I wish them all the best for their future endeavours.

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# EXPERT TALKS



## PROJECT SELECTION AND WAY FORWARD

**ABHIJIT LOKRE** | Founder, The Urban Lab



## SAFETY IN CONSTRUCTION

**SUREN VAKIL** | Vice Chairman, CRDF



## REHABILITATION OF RAILWAY LINES IN MOZAMBIQUE - MACHIPANDA LINE & SENA LINE

**PANKAJ AGRAWAL** | Rolling Stock Expert, RITES Ltd. - GEC GMRC



## BIM IMPLEMENTATION

**KEVIN MCHUGH** | Associate Director, MACE



## DESIGN AND COST MANAGEMENT FOR CONSTRUCTION PROJECTS

**JATIN SHAH** | National Director, Colliers International



## WAY FORWARD FOR DIGITAL CONSTRUCTION FOR INDIAN AEC SECTOR

**AMARNATH C.B** | President - Indian BIM Association; BIM-Head Strategy, L&T Construction



## BIM IMPLEMENTATION & ASSET MANAGEMENT

**SONALI DHOPTTE** | Co-Founder and BIM Expert, Excelize group of companies



## BIM IMPLEMENTATION

**ERGO PIKAS** | PhD Researcher, Aalto University School of Engineering, Finland

# EXPERT TALKS



## INTRODUCTION-3D LASER SCANNING FOR AS-BUILT AND STRUCTURAL MONITORING

**ADESH DHAR** | Business Segment Manager, Allterra solutions



## VALUATION OF REAL ESTATE PROPERTIES

**GIRISH SINGHAI** | Real Estate Appraiser



## FUTURE TECHNOLOGIES OF CONSTRUCTION

**LLEWELLYN ROZARIO** | Managing Director, Blinc360 Solutions Pvt. Ltd.



## MODULARISATION & DESIGN SCIENCE RESEARCH

**CECILIA GRAVINA DA ROCHA** | Lecturer, University of Technology, Sydney



## LEAN-BIM- OUT OF THE BOX: A SENSITIZATION REGARDING POSSIBILITIES TO CREATE EXTRAORDINARY VALUE TO BUILT ENVIRONMENT

**HRISHIKESH JOSHI** | Director of Business Strategy and Technology Adoption, Dave Construction and Engineering Company



## DIGITAL TRANSFORMATION OF CONSTRUCTION

**PETER DEMIAN** | Senior Lecturer, Loughborough University, UK



## EXPERT SESSION ON CONSTRUCTION OF STATUE OF UNITY

**LAVIN SAWLANI** | Project Coordinator, Turner Construction Company



## UNDERSTANDING FORMWORK PLANNING AT CONSTRUCTION SITE LOOKING AT FUTURE AHEAD

**MAULIK SHAH** | Project Head, L&T ECC



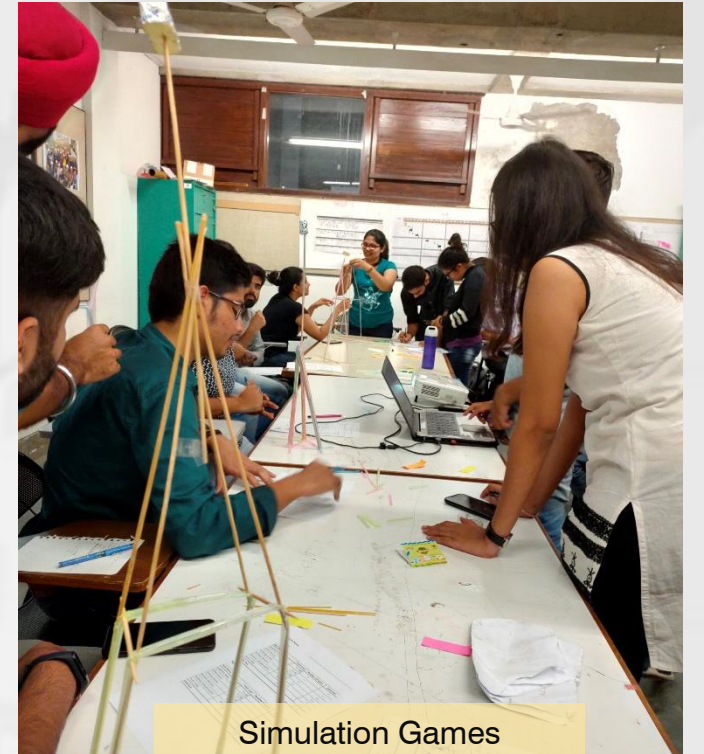
# BEYOND THE FOUR WALLS



Expert Sessions



External Jury



Simulation Games



End Semester Exhibition



Site Visits