

Annual Report Civil Engineering Department for the year 2024-25

Introduction

The Civil Engineering Department has been in existence since the establishment of this institute. The department has excellent infrastructure and is AICTE-approved. Apart from the undergraduate programme, postgraduate programmes in construction management and structural engineering are offered. The department is approved by the University of Mumbai for the Ph. D. programme, with an intake capacity of 45. In addition, the department has been selected as a QIP centre by the AICTE. AICTE provides financial assistance for three years to the research scholars registered under QIP. In the year 2024-25, UG Programme in Civil Engineering (WP) was started with an intake of 30 and the PG programme intake was increased to 24 for Post Graduate Programme in Civil Engineering with Structural Engineering and Construction Management. NBA compliance for UG Civil Engineering Programme is submitted in December 2024.

Present Status of Intake in Civil Engineering Department

Year of Establishment	1962	
No. of Programmes Offered	06	
Name of Programmes and Intake	B. Tech. Civil Engineering	60
	B. Tech Working Professional	30
	M. Tech. Construction Management	24
	M. Tech. Structural Engineering	24
	Ph. D. (Civil)	45
	Ph. D. (Civil) under QIP	02

NBA Accreditation

Undergraduate Civil Engineering Programme	Accredited till 30.06.2025
Post graduate Civil Engineering Programme with Structural Engineering	Accredited till 30.06.2026

Department Activities

NEP 2020 was implemented for 2nd year UG and PG with Regulation 2023 scheme with regulation 2023 scheme. NAAC accreditation visits for college took place in November

2024. 5 tenure based faculty were appointed for PG programmes of the department. The details of other activities are mentioned as follows.

- Site Visits arranged : 13 (Bhandup treatment Plant UG , Coastal road Visit , IFAT (UG), Skyway RMC Plant (Kurla), Bhandarkar Dam (UG) and Underground metro Tunnel Line 7A PG (CM), CIDCO water tunnel project Tunnel (PG SE), RMC (Harsh Construction) (CM) Govardhan Eco Village (CM and SE), Metro Girder Casting Yard (PGSE) Project Land Survey Project for SY BTech (3 days) and Working Professional (3 days), BMC and CT Harsh Construction, Shriyan Heights for CPRF foundation at Charkop were conducted.
- Lectures and Workshops arranged: 8 Guest Lectures and 6 workshops (6 days Primavera and BIM, EPANET and Jaltantra (02 numbers), CANDY SOFTWARE (2days) 4 days GIS, GPS, Skill based course on Life cycle Assessment (24 hrs) .

Faculty Achievements

Special Achievements

- Dr Murudi's student Neelam Petkar was awarded PhD degree in 2024-25. He is working in several AICTE, DTE, State Govt. and University committees.
- Dr Nagrale is working as part of several committees of AICTE, DTE and State Govt. Dr Nagrale Project batch students reached top 70 out of 270 projects in Aavishkar
- Dr Bage is working as member of several committees of state govt. AICTE and DTE
- Dr. A.R. Kambekar has guided PhD student Ms. Shweta Patil and she has been awarded PhD degree in Civil Engineering of Mumbai University during 2024-25 and Dr. A. R. Kambekar has examined PhD Thesis of Dr. BAMU Chatrapati Sambhajinagar, Shivaji University Kolhapur, SPPU Pune University, PAH Solapur University and DBATU Lonere. He was invited to deliver expert lectures at various AICTE approved FDPs/ ISTE-STTPs at different places. He is a member of several committees of AICTE and various Universities.
- Dr Hansa Jeswani's BTech project batch reached to top 10 of Mumbai University out of 270 projects in Aavishkar and she examined PhD thesis in Dept of Civil Engineering, Maharaja Sayajirao University. She gave lectures at 4 FDPs
- Dr P Gaikwad's batch secured People's choice award in Aakar, IIT Bombay
- Dr Raskar Phule's Project batch students reached top 70 out of 270 projects in Aavishkar. She has given training at SSVPS Dhule as part of MoU with them. Students from Saboo Siddik interned under her as part of MoU. Also she has delivered several lectures in FDPs. Her BTech student presented a paper in IIT Jammu Conference
- Dr Ghadge completed the DST SERB project successfully and also
- Dr Kshitija published paper with her students in Springer Nature.
- The work order for 2 major consultancy projects of MPSC and MBMC were given to CED Dept.

Papers/Book Chapters Published by Faculty Members in Scopus index journals/Conferences or Books

The following table shows the papers published by faculty in scopus index conference/journals

S No	Name of faculty	No. of Papers and Book Chapters published
1	Dr. Mohan Murudi	2
2	Dr Abhinandan Bage	1
3	Dr. Ajay Kambekar	3
4	Dr. Pravinchandra Gaikwad	3
5	Dr. Hansa Jeswani	2
6	Dr. Reshma Raskar	2+1 Book Chapter
8	Dr. Kshitija Nadgouda	2
10	Prof. Shweta Patil	1
11	Prof. Ankit Asher	1
Total		19

Invited Lectures delivered by faculty in other campuses/colleges/industry

Dr Kambekar delivered 3 invited lectures in various places in Maharashtra related to topics as varied as NEP to genetic algorithm. Dr Jeswani delivered 4 invited lectures 1 at Maharaja Sayajirao University related to importance of Environmental Engineering and Job scope of environmental engineering and 3 in various colleges in Mumbai related to Green Club activities. Dr Raskar-Phule also delivered 3 invited lectures in Maharashtra and conducted training related to GIS in Maharashtra and Gujarat. Dr Nadgouda delivered lecture on Geotechnical Engineering in Maharashtra

Journal Reveiwers

Dr Ajay Kambekar (21 journals), Dr Hansa Jeswani (02 journals), Dr Reshma Raskar Phule (02 journals), Dr. A. N. Ghadge(02 journals) and Dr Kshitija Nadgouda (01 journal) are reviewers of scopus indexed journals.

Special Committee Member

Dr Ajay Kambekar is a BOS member of Mumbai University, SVKMs MPSTME, SBM Polytechnic, DBATU state technical University. He is also an academic Audit Committee Member and Research Committee at DBATU and Amity University (Panvel).

Dr Kambekar, Dr Jeswani and Dr Raskar Phule have organised competitions in SPCE under the aegis of UMA/UBA, Green Club and Sustainability and Green Initiative respectively.

Testing and Consultancy

Most of the teaching faculty such as Dr Murudi, Dr Nagrale, Dr Bage, Dr Kambekar, Dr Gaikwad, Dr Jeswani, Dr Raskar-Phule, Dr. Ghadge, Dr Nadgouda, Prof. Snehjit, Prof. Deshpande and Prof. Asher are involved in testing and consultancy. The special consultancy taken up last year was related to MCGM, MBMC, NABARD, PWD and total revenue generated in past year is 1.8 Cr INR.

FDP/NPTEL courses completed

Dr Jeswani, Dr Raskar-Phule and Dr Nadgouda 5 Faculty development programmes such as ATAL and NPTEL courses with total courses completed as 5 for the year.

Student/Alumni Achievements

Mr Ayush Jaiswal (2023-24) has secured 220 rank in Civil Engg. Mr Jagrut Savani of (2018-19) batch and Mr Ram Sawani (2002-03) for a 3 Crore funding in Shark Tank for Savani Heritage. Also Hemant Chavan of 2013-14 CED batch is pioneer in pickleball introduction in India and got a deal in shark tank India worth 1 crore. Apart from its other achievements of present students are as follows:

- No. of students who qualified GATE-2024: 02 students (Third Year), 9 students (BTech)
- No. of students who got Campus Placement(2024-25) : 22 (BTech) (average package is 6.5 lpa), 7 MTech (CM), 6 MTech (SE) (Avg .Package 7.5 lakhs)
- GRE, TOEFL and IELTS given and got their institutes : 02 (2024-25) and 05(previous batches)
- Workshop organised through Civil Engg. Association : 04
- Expert Talk and Activities organized through green club: 08
- Site Visit organised through CEA : 03

Result Analysis for 2023-24

The result analysis for BTech Civil Engineering and MTech Civil Engineering with Construction Management and MTech Civil with Structural Engineering

Year	2023-24
FY BTech	%
SY BTech	84%
TY BTech	79%
BTech (Final Year)	100%
MTech 1st Year (CM)	100%
MTech 2nd Year(CM)	78%
MTech 1st Year (SE)	86%
MTech 2nd Year (SE)	80%