



Bharatiya Vidya Bhavan's
Sardar Patel College of Engineering
(Government-Aided Autonomous Institute)
Munshi Nagar, Andheri (West), Mumbai -400 058



CIVIL ENGINEERING DEPARTMENT
Annual day Report 2018-19

The Civil engineering department has been in existence since the establishment of this institute. The department has an excellent infrastructure and is AICTE approved. Apart from the undergraduate course, postgraduate courses offered in construction management and structural engineering. The department is approved by university of Mumbai for the Ph. D. program with an intake capacity of 45. In addition, the department is selected as a QIP Centre by the AICTE. AICTE provides full financial assistantship for three years to the research scholars registered under QIP. Also, department can conduct number of short term courses in the area of civil engineering and complete financial assistantship will be provided by AICTE.

Dr. M.M.Murudi, took charge as a head of the Department of Civil Engineering since 27 Feb, 2018.

➤ **NBA Accreditation**

Sr. No.	Course	Accreditation
1	UG (CIVIL)	3 Years (2017-18 To 2019-20)
2	PG (CONSTRUCTION MANAGEMENET)	3 Years (2017-18 To 2019-20)

PhD awarded:

PhD awarded to the students of Dr. M.M.Murudi by University of Mumbai.

1. Mrs. Shilpalata Kewte
2. Shri. Amardeep Bhosale

PhD awarded to the students of Dr. P.H. Sawant by University of Mumbai.

1. Mrs. Kale

➤ **Department Activities**

➤ **Organized 2 workshop by Experts from Industry.**

- 1) Organized Basic concrete Mix Design workshop/Training Programme for T.Y.B.Tech students under TEQIP III on 27th & 28th November 2018.
- 2) Organized workshop on Advanced concrete Mix Design under TEQIP III on 7th & 8th March 2019.

➤ **Organized 2 Training Programmes**

- 1) Organized Software Training Programmes in ETABS for B. Tech (Civil) and M.Tech (Struct.) students under TEQIP III on 17, 18, 19 & 22 August 2018

- 2) Organized Software Training Programmes in STADD Pro. for B. Tech (Civil) and M.Tech (Struct.) students under TEQIP III on 28,29 & 30 September & 5th October 2019

➤ **Guest Lectures by Experts from Industry/Institute Organized (7).**

- 1) Guest lecture on “Deep Foundation construction for modern bridges- on 25-04-2018 by Mr. Eklakh Khan. For B. Tech (Civil) & M. Tech (structural) students.
- 2) Guest lecture on “White Cement, Wall Putty, Primaxx and Supergrip (Tile Adhesive) – By Mr. Nitant J. Shah - Senior General Manager (CTS) – J.K Cement Ltd And “History of cement & Cement Manufacturing process”- By Nikhil Pimputkar, Dy. Manager - CTSJK Cement Ltd 23-10-2018. For S Y B. Tech (Civil) students.
- 3) Guest lecture on Pre-engineered Building Interarch “ Young Builder Program” arranged on 28th September 2018 at 2.30 pm at Room no 119. Speaker; Mr. Sandeep Koul , Assistant Vice President – Sale & Marketing at Interarch Building Products Private Limited, Noida, India. For All UG (Civil) and PG (Civil) students.
- 4) Arranged guest lecture for final year students for 'Construction projects - Metro work' - Nov. 2018.
- 5) Guest Lecture on “Application of Building Information Modelling in Construction Industry” on 06th March 2019, delivered by Er. Aiyaz Qureshi. For All UG (Civil) and PG (Civil) students.
- 6) Guest Lecture on “Soil Exploration” is arranged on 28th March 2019 at 2.30 pm in Room no 119. Speaker: SHUBHADA JAGTAP Geotechnical Consultant Mumbai. For T.Y. B. Tech (Civil) students.
- 7) Guest Lecture on “ Dynamic and Integrity Testing of piles on November 2018, delivered by Mr. N.T, Chinivar from M/S Enlab Services.

8) Site Visit Organized by the department (7)

- 1) **Organized survey project to vihar lake**, powai on 05th to 08th February, 2019 for S. Y. B. Tech civil students.
- 2) **Organized** Site visit at Govardhan Eco Village at Wada for third year students under core course of development Engg. - Sept. 2018
- 3) **Organized** Site Visit at Bombay Exhibition Center, Mumbai, Big 5 Construct India Exhibition for S. Y. B. Tech. (Civil) students on 5th to 7th September 2018.
- 4) **Organized** Technical Visit to Reliance Infra Astaldi JV, Mumbai Metro Project Line 4 (Package CA-08) Mumbai, Near Kurla Station (Anik Depot) for T. Y. B. Tech. (Civil) students on 29/03/2019
- 5) **Organized** Technical Visit to IMD RMC-Colaba Mumbai, 23/08/2018 for Final Year B.Tech.(Civil) students .

6) **Organized** Technical Visit to IMD RMC-Colaba Mumbai 24/08/2018 for Final Year B.Tech.(Civil) students .

7) **Organized** sites visit of Mumbai Metro Line 3 (Underground) at four locations on 20-April 2019 for T. Y. B. Tech. (Civil) students.

1. Azad Maidan Station, 2. Siddhivinayak Station, 3. International Airport station, 4. Marol Naka station.

9) **Guest Lectures delivered by faculty members at other institutes**

• **Delivered by Dr.Reshma Raskar.**

1) 'Introduction to Geomatics Technology' at Kalsekar Technical Institute, Panvel, Navi Mumbai - Jan. 2019.

• **Delivered by Dr.A.R.Kambekar.**

- 1) Delivered lecture on: "Construction and Infrastructure" at SVKM NMIMS Shirpur Campus on 30-03-2019.
- 2) Delivered lecture on "**Institutional participation for social commitment and Rural development**" during three days induction programme for faculty of SPCE Mumbai held at Lonawala Dist. Pune during 19-21- June 2018.
- 3) Delivered lecture on "**Applications of Civil Engineering of Civil Engineering in Rural water development and management-a case study**" during Three days short term course on "Water Resources development and management for rural sector" held during 19-21 July 2018 at Datta Meghe College of Engineering Airoli Navi Mumbai, (for faculty and students of Mumbai University)
- 4) Delivered lecture on "**NAAC Awareness: National assessment and accreditation council (NAAC) Self Study Report (SSR)**" at S.S. Jondhale COE at Shahapur Mumbai University during STTP on 4th April 2018 from 10 am to 5 pm.
- 5) Delivered lecture during 3 days short term course on '**Water resource development and management for rural sector**' at Datta Meghe college of Engineering, Airoli from 19th to 21st July 2018 on "Application of Civil Engineering in rural water development and Management – Case Studies " on 21st July 2018.
- 6) Delivered lecture on "**Scenario of Engineering Education and Role of Institutions**" during three days "FDP" from 12th to 14th August 2018 at VVPIET, SOLAPUR Maharashtra.
- 7) Delivered lecture on "**Laminar flow, Turbulent flow and Boundary layer Theory**" during FDP on Water Resource Engineering on November 29, 2018 at NMIMS MPSTME Mumbai.
- 8) Attended one day workshop on Unnat Bharat Abhiyan at IIT Bombay on 20 December, 2018.
- 9) Delivered invited lecture on "**Introduction to Offshore Engineering: Ocean and Coastal Engineering**" on 22-December 2018 during faculty development programme at SSJCET Asangaon, Thane, (Mumbai University).
- 10) Delivered lecture on "**Outcome based education leading to accreditation**" on 27 December, 2018 during faculty development programme at VVPIET, SOLAPUR Maharashtra.

11) Delivered invited experts lecture on “**Artificial Intelligence, Machine Learning and Data Mining**” on 01st March 2019 during one week Faculty development programme organized under Technical Education Quality Improvement Programme (TEQIP_III) during 23 Feb to 01st March 2019 at Government College of Engineering Jalgaon Maharashtra.

10) Number of Research Project completed / on going

- 1) Dr.P.P.Nagrале Number of 1 Research Project
- 2) Dr. A. R. Kambekar Number of 4 Research Project on going

11) Faculty Achievements

Best Paper Awards:

- The research paper “Development of feeder route system for Mumbai Metro line 2A & 7 using QGIS”, presented at Conferences on Technologies for future cities held at Pillai College of Engineering Mumbai, 8-9 January, 2019 by Anand Singh, P. Shrivastava, A. R. Kambekar and Pallavi Kulkarni has **Received best paper award**
- The paper ” Framework for Implementation of VE in Infra projects” presented at 34th INVEST International Conference organized by Indian Value Engineering Society, held at Mumbai 7th-8th Dec 2018 by Jay Pavecha and Gaikwad P G., **has received best Paper Award in 34th INVEST International Conference.**
- M. Tech Scholar, ANAM SAYED received young Innovator Award-2018 from Zee media under **Dr. Anil N. Ghadge** guidance.
- **Faculty members attended seminar/workshops. (Total=30)**

Dr.M.M.Murudi (2), Dr. A.A.Bage (3), Dr. P.G.Gaikwad (4) Dr. Hansa Jeswani (2) Prof. Reshma Raskar (3), Dr. A. N. Ghadge (1), Prof. S.J.Kumbhar (6) Prof. Akshata Deshpande (3), Prof. Pradnya Sambary (2), Dr .Shyamlee Solanki (3), Dr. J.V.Gholave (1)

- **No. of Faculty registered for SWAYAM courses: 07**
- **No. of SWAYAM courses completed by Faculty: 05**

11). No. of Publications by faculty members: (Total=39)

Sr. No	Name of the faculty	Total
1	Dr. M. M. Murudi	05
2	Dr.A.A.Bage	07
3	Dr. Prashant P. Nagrale	02
4	Dr. A. R. Kambekar	09
5	Dr. P. G. Gaikwad	03
6	Dr. H. S. Jeswani	03
7	Dr. Reshma Raskar Phule	01
8	Dr. A. N. Ghadge	08
9	Prof. S.J. Kumbhar	01

12). Revenue generated by department through consultancy & Testing

Sr. No.	Description	2018-19
1	Consultancy & Testing (STR. Lab)	Rs.2.27 Crore

13).Student Achievements

12) No. of Final year students passed for GATE-2019: 20

13) No. of students got Placement to campus (2018-19): 29

14) No. of Final year students passed GRE & enrolled for Higher Education: 05

15) No. of Final year students passed CAT:05

16) No. Paper Publications in Journals & Conferences: 39

17) Workshop organised Through CEA : 01

18) Expert Talk organised through CEA :03

14. Result Analysis

Sr. No.	Class	Percentage
1	M. Tech (Structural)	83.33%
2	M. Tech (Construction Management)	88.89%
3	B. Tech (Civil)	95.95%
4	T. Y. B. Tech (Civil)	79.75%
5	S. Y. B. Tech (Civil)	81.01%
6	F.Y.B.Tech (Civil)	66.67%

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