



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 2020-21

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)	Extension of Accreditation (2017-18 to 2020-21)

• **PhD awarded: -(00)**

• **Department Activities**

➤ **Organized workshop by Experts from Industry.(00)**

➤ **Organized Training Programmes(02)**

1. Software training organised on March-April 2021 on “Etab & Stadpro Software” by Dr. A.A. Bage, Prof. Ankit Asher with Naresh Mistry (BTECH/MTECH).
2. Training programme organised on April 2021 on “Design of machine foundation for industrial equipment’s” by Prof. Ankit Asher with medha moghe (MTECH).

➤ **Guest Lectures by Experts from Industry/Institute Organized (03).**

1. Guest lecture organised on 19th March 2021 on “GPR and its applications” by Prof. G. Venkatachalam, Former Professor and Head of Civil Department, IIT Bombay.
2. Guest lecture organised on 30th July 2021 on “Contract administration” by Dr. Kirti Dave/ Dr.Vandana Bhatt from Techno legal Consultant.
3. 2 Guest lectureS organised by Dr. Kirti Dave/ Dr.Vandana Bhatt from Techno legal Consultant.

➤ **Site Visit Organized by the department (00)**

➤ **Guest Lectures delivered by faculty members at other institutes: (10)**

1. Delivered expert talk in eFDP on ‘Waste to Bio-energy at Department of Life Sciences, School of Basic Sciences and Research, Sharda University, Uttar Pradesh (Dr.A.N.Ghadge)
2. Dr. A. R. Kambekar: Delivered lecture on “Creating awareness about National Education Policy 2020” under Unnat Bharat Abhiyan to the faculty, students and Administrators on 22-09-2020 through webinar.
3. Dr. A. R. Kambekar: Delivered webinar on “Creating awareness about National Education Policy 2020” under to the faculty, students and Administrators of VVPIET Solapur Maharashtra on 21-10-2020.
4. Dr. A. R. Kambekar: Delivered experts lecture on Hydraulic Machinery to the Civil Engineering students of St. John College of Engineering Palghar, (University of Mumbai) on 24-10-2020.
5. Dr. A. R. Kambekar: Delivered lecture on “Strategic Planning and Outcome Based Education” on 04th December 2020, during AICTE sponsored one week Training programme for faculty organized by SPIT Mumbai (University of Mumbai) India.
6. Dr. A. R. Kambekar: Delivered lecture on “Webinar on "National Education Policy (With a Focus on Innovation & Entrepreneurship-NEP-2020)” organized for faculty and Administrators by the Anjuman-I-Islam' Kalsekar Technical Campus - Institutions Innovation Council (IIC), New Panvel (University of Mumbai) on 03rd February 2021.
7. Dr. A. R. Kambekar: Delivered invited lecture on Introduction to ANN/GP/MT during one week FDP on "Artificial Intelligence, Machine Learning and Deep Learning for Remote Sensing, G.I.S. and GNSS Application Areas" organized at KITCOE Kolhapur Maharashtra India, on 24 and 27 March 2021.
8. Dr. A. R. Kambekar: Delivered invited lecture on Civil Engineering and Infrastructure development at Saraswati College of Engineering (University of Mumbai) Navi Mumbai on 22 March 2021.
9. Dr. A. R. Kambekar: Delivered lecture on “Webinar on "National Education Policy-NEP-2020)” organized for faculty and Administrators of SSJCTE (University of Mumbai) Asangaon Thane, Maharashtra India on 18 May 2021.
10. Dr. A. R. Kambekar: Delivered lecture on “Webinar on "National Education Policy-NEP-2020)” organized for faculty and Administrators of SS Jondhale College of Engineering (University of Mumbai) Dombiwali, Maharashtra India on 26th May 2021.

➤ **Faculty Achievements**

1. Received Indian Patent from Government of India (Patent No. 349375 date 25.10.2020) for Innovation on “Earthen material based cathode separator assembly for scalable bioelectrochemical system” (805/KOL/2013 dated 05/07/2013) (Dr.A.N.Ghadge)
2. Received Certificate of an Eminent speaker for delivered expert talk in eFDP on ‘Waste to Bio-energy(Dr.A.N.Ghadge)
3. Research Project completed development of Bio-electrically assisted microbial Reactor to reduce air pollution and energy recovery from wastewater(Dr.A.N.Ghadge)
4. Selected as Mentor at IIT, Bombay, BIG SINE proposal.

5. Dr. A. R. Kambekar Member Board of studies (BOS) Civil Engineering: SVKMs NMIMS MPSTME Mumbai (Deemed University)
6. Dr. A. R. Kambekar Member BOS Civil Engineering: SVKMs SBM Polytechnic Mumbai (Government Aided)
7. Dr. A. R. Kambekar Advisory Board member: SSJCET Asangaon Dist. Thane (Mumbai University)
8. Dr. A. R. Kambekar Advisory Board member Civil Engineering: TCET Mumbai (Mumbai University)
9. Dr. A. R. Kambekar Ph.D. PET paper setters panel member: University of Mumbai
10. Dr. A. R. Kambekar Students Mentor: IITB Alumni Students mentorship programme Cell.
11. Dr. A. R. Kambekar Committee Member (Infrastructure Planning, Execution and Maintenance Department): for review and inspection of the construction work in Fort and Kalina Campus of University of Mumbai (appointed by the Hon'ble Vice Chancellor of University of Mumbai) (Ref: CDU/01-COVID/2155of 2020-21, dated 09-02-2021).
12. Dr. A. R. Kambekar Member Research Committee Civil Engineering, Amity School of Engineering & Technology, Amity University Mumbai
13. Dr. A. R. Kambekar Member Oxygen status verification committee (April-May 2021) of Covid Hospitals in Mumbai Maharashtra (Task force member), appointed by Government of Maharashtra, Office of the Hon. Collector Mumbai city, and Director of Technical Education Maharashtra.

➤ **Faculty members attended seminar/workshops. (Total=13)**

- No. of Faculty registered for SWAYAM courses: 06
- No. of SWAYAM courses completed by Faculty: 02
- No. of workshop/FDP/Course attended by Faculty: 05

➤ **No. of Publications by faculty members: (Total=17)**

Sr. No	Name of the faculty	Total
1	Dr. M. M. Murudi	00
2	Dr.A.A.Bage	00
3	Dr. Prashant P. Nagrale	00
4	Dr. A. R. Kambekar	08
5	Dr. P. G. Gaikwad	01
6	Dr. H. S. Jeswani	03
7	Dr. Reshma Raskar Phule	00
8	Dr. A. N. Ghadge	01
9	Prof.K.Nadgouda	03
10	Prof. S.J. Kumbhar	01
11	Prof.Akshata Deshpande	00
12	Prof. Ankit Asher	00

➤ **Revenue generated by department through consultancy & Testing**

Sr. No.	Description	2020-21
1	Consultancy & Testing	48,30,000/-

➤ **Student Achievements**

- No. of Final year students passed for GATE-2020: 28
- No. of students got Placement to campus (2019-20): 13
- No. of Final year students passed GRE: 01
- No. of Final year students passed CAT: 01
- No. Paper Publications in Journals & Conferences: 00
- Workshop organised Through CEA : 00
- Expert Talk organised through CEA :01

14. **Result Analysis**

Sr. No.	Class	
1	F.Y.M. Tech (Structural)	95%
2	F.Y. M. Tech (Construction Management)	95%
3	B. Tech (Civil)	93.15%
4	T. Y. B. Tech (Civil)	80.00%

5	S. Y. B. Tech (Civil)	96.25%
6	F.Y.B.Tech (Civil)	80.82%

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H.O.D
CIVIL ENGINEERING DEPARTMENT