



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 2017-18**

The Civil engineering department has been in existence since the establishment of this institute. The department has an excellent infrastructure and is AICTE approved. CED has faculty with specialization in environmental engineering, geotechnical engineering, structural engineering, transportation engineering, water resources engineering, materials engineering, Hydraulics and Fluid Mechanics, surveying, and construction engineering.

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.

#### **1. NBA Accreditation**

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

#### **2. Department Activities**

##### **➤ Organized 4 workshop by Experts from Industry.**

- 1) Three days workshop on Building Information Modeling (BIM) Software- Revit and Nevisworks “ on 18<sup>th</sup> to 20<sup>th</sup> December 2017.
- 2) Five days workshop on “Project Management Software’s – M.S. Project and Prima Vera” on 10<sup>th</sup> to 14<sup>th</sup> January 2018.
- 3) Two days Workshop on “Bridge Architecture & Inspection” 5<sup>th</sup> & 6<sup>th</sup> December 2017.  
Lectures by Dr.V.K.Raina for the students of F.Y.B.Tech & M.Tech structures.

- 4) One day workshop on “Innovations in Concrete “- RMC Ready mix (India) concrete, on 8<sup>th</sup> September 2017.

➤ **Organized 5 Training Programmes**

- 1) Organized Two Software Training Programmes in ETABS & SAFE for B. Tech (Civil) and M.Tech (Struct.) students under TEQIP.
- 2) Organized Two Software Training Programmes in STADD Pro for B. Tech (Civil) and M.Tech (Struct.) Students under TEQIP.
- 3) Organized One Software Training Programme in MIDAS for M.Tech (Struct) students under TEQIP.

➤ **UG orientation**

An orientation programme for newly admitted first year B.Tech students was held in July, 2017.

➤ **Organized 8 Guest Lectures by Experts from Industry/Institute.**

➤ **Organized Site Visit to MCGM survey project vihar lake, powai on 12<sup>th</sup> to 15<sup>th</sup> March 2018 for S. Y. B. Tech civil students.**

➤ **UMA/UBA Activities:**

SPCE is working for the development of rural India. Under UBA/UMA SPCE has been allotted work of Thane district and working for nine villages in Bhivandi and Kalyan Cluster. Dr. A. R. Kambekar is working as an institute coordinator for UBA/UMA.

**Activity 1:** Two Faculty & Two PG students, attended two days’ workshop on “Assessment of Jalyukt Shivar (Watershed) for water conservation in village areas” organized by Water conservation department Government of India, IIT Mumbai at Prof. Ram Meghe Institute of Technology & Research Badnera Amravati, Maharashtra on 04 & 05 Feb. 2018.

**Activity 2:** Total 10 research papers published in various conferences & journals.

**3. Faculty Achievements**

➤ **Attended seminar/workshops. (Total=17)**

Dr.M.M.Murudi (1), Dr. A.A.Bage (1), Dr.Prashant P. Nagrale ( 2 ), Dr. A.R. Kambekar (4 ), Dr. P.G.Gaikwad (1), Prof.A.N.Ghadge ( 4 ), Dr. H.S.Jeswani (2), Prof. S.J.Kumbhar (1) Prof. Akshata Deshpande (1)

➤ **Delivered Invited Expert Lecture/Key Notes**

**Dr.Prashant P. Nagrale (2)**

- Finite Element Modelling and Economics for Rollcrete Concrete Pavements AICTE approved Short term course in Datta Meghe College of Engineering, sector – 3, Navi Mumbai
- Economics of Rollcrete concrete pavements for Rural Roads. National Conference on Roads and Transport (NCORT), Oct. 14-15, 2017, at IIT Roorkee.

## Dr. A.R. Kambekar ( 2 )

- Delivered invited lecture on “How to prepare for institutional accreditation” on 04<sup>th</sup> April 2018 to the faculty during ISTE-AICTE-STTP at S. S. Jondhle COET Asangaon Thane, Mumbai University.
- Delivered Invited lecture to Students of Civil Engineering at Indian Institute of Technology Bombay Mumbai India on Careers in Civil Engineering on 03<sup>rd</sup> September 2017 organized by Students council of Civil Engineering IIT Bombay.

### ➤ **Number of Research Project completed / on going**

- 1) **Dr.Prashant P. Nagrale- Number of 2 Research Project completed.**
- 2) **Prof.A.N.Ghadge :- Number of 2 Research Project completed.**

### ➤ **No. of Faculty identified as Mentor: 10**

### ➤ **No. of Faculty registered for SWAYAM courses: 09 (02 Courses are completed.)**

### ➤ **Publications. (Total=45)**

Sr. No	Name of the faculty	Total
1	Dr. M. M. Murudi	09
2	Dr. A. A. Bage	04
3	Dr. Prashant P. Nagrale	06
4	Dr. A. R. Kambekar	09
5	Dr. P. G. Gaikwad	02
6	Dr. H. S. Jeswani	07
7	Dr. Reshma Raskar Phule	03
8	Prof. A. N. Ghadge	05

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

Sr. No.	Description	2017-18
1	Consultancy & Testing	Rs.57.19 Lakhs

## 4. Student Achievement

- **No. of Final year students passed for GATE-2018: 25**
- **No. of Final year students passed GRE & enrolled for Higher Education: 06**
- **No. of Final year students passed for CAT & got admission in IIM:01**
- **No. Paper Publications in Journals & Conferences: 24**
- **Workshop organised Through CEA : 01**
- **Expert Talk organised through CEA :02**