



**Bharatiya Vidya Bhavan's
Sardar Patel College of Engineering
MUNSHI NAGAR, ANDHERI (WEST), MUMBAI-400 058.**



53rd ANNUAL DAY REPORT

Addressed by Head of Civil Engineering Department

I am pleased to present **53rd ANNUAL DAY REPORT** of Department of Civil Engineering. The Institute has started in 1962 and has now completed 52 years. In 2012 we celebrated a Golden Jubilee year. In this 52 years of journey Institute as well as Department of Civil Engineering is well known in India for UG, PG and Ph. D. Program. In addition to UG, at present department running One M. Tech. program in Construction Management with intake capacity of 18 and Ph. D. Program with intake capacity of 45. At present **20 number of Students are doing their Ph. D. in Civil Engineering Department.** Apart from preparing the students to qualify for purely academic demands, special efforts are being made continuously to enable them to face the challenges of the competitive world. It's a matter of great importance to us that the students who pass out from our portals should carry forward the values they have inherited, excel in whatever they do and be role models in the society.

Department Achievement during year 2015-16:

Innovative process is complex and very difficult to design. However, by creating conducive environment it can be accelerated. We all know that first step in innovation is to identify the innovator. With the help of Subject Board members and Academic Board Members, Department of civil engineering designed the scheme of PG program such that it will motivate student to be involved in research, which result in increase of research activities of department considerably, about 35 numbers of research papers were published by M. E. and PhD Students under the guidance of various supervisors in year 201516. At **present there are 08 PG and 07 PhD teachers approved by the University of Mumbai.**

This year also we have organized "SPECTRA" technical event in Jan 2016. The objective of the event was to encourage UG and PG students towards research. About 30 number of research papers presented in the field of Civil Engineering and 15 numbers of models displayed by the students of all over India. In addition to this 10 number of guest lecturers were delivered by Industry expert on various topics.

Department has completed number of consultancy project in the area of Geotechnical Engineering, Environmental Engineering and Hydraulic Engineering costing about 20 Lakhs.

● **Academic Activities during year 2015-16:**

1. Department of Civil Engineering organized following two courses,

Sr. No.	Types of Course	Topic	Date	No. of Students Attended
1	Soft skills development	Introduction to the Primavera	March/April,2016	34
2	Soft skills development	Introduction to the MSP	March/April,2016	34

2. Department of Civil Engineering organized following Two workshops/Training's,

Sr. No.	Types of Workshop /Training	Topic	Association with	Date	No. of Students/ Faculties Attended
1	Software Training	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	12 April, 2016.	9
3	Workshop	Workshop on “Demonstration of Global Education Software package (Stormgems, Sewergems,Watergems)”	Bentley System	28 Aug, 2015	50

3. Department of Civil Engineering organized following Guest/ Industrial Expert Lecture for Students,

Sr. No.	Name of Expert\ Organization	Title	Date	Class
1.	Dr. Benjamin Jones (Asst. Professor, University of Nottingham)	Concept of energy efficient ventilation of buildings	11 Feb,201 6	B.Tech, T.Y.B.Tech S.Y.B.Tech
2.	Er. U.M.Paranjpe (Trustee-Jalvardhini	Use of Ferrocent & fiber cement in water conservation	27 Jan, 2016	B.Tech, T.Y.B.Tech

	Pratisthan)			S.Y.B.Tech
3.	Dr. Amulya Sahu (DOMS, Bombay ophthalmologist assocaition)	Journey from Confusion to Clarity	18 Jan ,2016	B.Tech, T.Y.B.Tech S.Y.B.Tech
4.	Prof. B.A.Metri (Dean, International management institute) New, Delhi	Construction management: quality, issues & challenges	23 July,201 5	B.Tech, M.Tech (CM)
5.	Mr. Kimir Mahajan	Application of Newton-software for quality estimation & project management	15 oct,201 5	B.Tech, M.Tech (CM)
6	Mr. Nikhil Pimputkar (Dy.Manager, J K Cement,) Mumbai	Cement-white & gray concrete technology	19 oct ,2015	B.Tech, T.Y.B.Tech S.Y.B.Tech
7	Prof. Gopal Rai (Executive officer, dhirendra group of company)	Retrofitting of Structures	14 sep,201 5	B.Tech, T.Y.B.Tech S.Y.B.Tech
8	Mr.R.Ramkrishnan (Add. Chief Engineer,JNPT) Mumbai	Project formulation & role of consultant	15 sep,201 5	B.Tech, M.Tech (CM)
9	Mr. Sanjivan Joshi	Disaster Management in general & Business continuity planning	8 Aug,201 5	B.Tech, T.Y.B.Tech S.Y.B.Tech
10	Mr. D.S.Joshi	Practical usage & advantage of hot deep galvanized rebar	11 Sep,201 5	B.Tech, T.Y.B.Tech S.Y.B.Tech

4. Department of Civil Engineering signed following MoUs,

Sr. No.	Name of Organisation	Areas
1	SPFU and IIT Bombay	Unnat Maharashtra Abhiyan- Water Resource Sector
2	Bentley Systems	Software database collaboration in Environmental Engineering

5. Department of Civil Engineering organized following events for students,

Sr. No.	Name of the Event	Nature of Event	Date	No. of Students Attended
1	SPECTRA-2016	Technical Power Point Presentation	Jan,2016	20

6. Department of Civil Engineering organized following Industrial Visits for students,

Sr. No.	Name of Industry/Event	Faculty Incharge	Date	Class
1	Water Treatment Plant, Bhandup, Mumbai	Dr. H.S.Jeswani	16 March, 2016	T.Y.B.Tech
2	Rashtriya Chemicals and fertilizers, Mumbai	Dr. H.S.Jeswani Prof. A.N.Ghadge Prof.S.J.Kumbhar	9-10 Oct, 2015	B.Tech
3	“the Big 5Construct India 2015 exhibition”	Dr.P.G.Gaikwad Prof. Kshitija N. Prof.P.D.Singh	7 Sep,2016	B.Tech

● **Academic Achievement during year 2015-16:**

Excellence in academics is the requirement of any good department and Institute. It can be measured in terms of results and placement of the students in campus interview. The statistics in terms of results shows that maximum numbers of students completing their graduation in four years, about 25 % of the students join their higher studies in India and Abroad and remaining students placed in various companies through campus interview. Our staff taking all possible effort to provide the best technical knowledge to UG and PG students. Also, they took possible effort for organizing lectures form Industry Expert.

A. The result and placement summary for year 2015-16.

	FYB.Tech	SYB.Tech	TYB.Tech	B.Tech	M.Tech (CM)
Number of students registered in year 2015-16	67	79	74	80	18
Number of students passed in year 2015-16	52	54	66	74	16
Percentage passing	77.61	68.35	89.19	92.50	88.89

Number of Students Placed	---	---	---	43	07
Percentage Placement (%)	---	---	---	68.25	38.19

B. The placement & higher studies summary for year 2015-16.

	B.Tech
Number of students registered in year 2015-16	63
Number of Students Placed	43
Percentage Placement (%)	68.25
12 number of students qualified the GATE – 2016 Examination and likely to join for their M. Tech. Program.	
08 number of students applied for MS program in reputed universities and likely to join for their higher studies in year.	

C. Students Publication in year 2015-16

Sr. No.	Name of Student	Class	Published in Journal	Published in Conference
1	Poonam Raikar	M.Tech (CM)	1	1
2	Shekhar Jadhav	M.Tech (CM)	1	1
3	Sourabha Borole	M.Tech (CM)	1	1
4	Shubham Bhaire	B.Tech	-	1
5	Saurabh Aamlani	M.Tech (CM)	1	-
6	H.A.Shinde	M.Tech (CM)	1	-
7	Nishant Mane	M.Tech (CM)	-	1
8	Pranav Sudhir Kulkarni, Ali Akbar Bohra, Aditya Jayant Bhatambrekar,	B.TECH	-	1
9	Kaustubh Borole, Ashmita Sengupta, Abhishek Sarkar,	B.TECH	-	1
10	Pratik Patil,	B.TECH	-	1
Total				13.

● Faculty Achievement during year 2015-16:

The strength of the Department can be measured in terms of faculties. Department is having highly qualified, motivated and experienced faculties. Most of them completed their Ph. D. from the Institute like IITs.

A. Faculties receiving Awards & Honours 2015-16

Sr. No.	Name of Faculty	Awards & Honour	Year
1	Dr. H.S.Jeswani	Selected for summer school in finance at London School of Economics.	2015-16
2	Dr. H.S.Jeswani	Delivered expert lecture on “ Environmental studies E-Waste & its management” on 23 rd march,2016 at SPIT, Mumbai	2015-16
3	Dr. A. R.Kambekar	Member of joint Research work: IITB-SPCE-VJTI & TDSC IITB for joint research work on water sector to study all aspects of rural water supply.	2015-16
4	Dr. P.P.Nagrале	Invited as a co-chair for National Conference, held at VNIT, Nagpur during 17-18 Feb, 2016.	2015-16
5	Dr. P.P.Nagrале	Delivered expert lecture on “finite element modelling of flexible pavement: A new concept” at Pillai HOC, Rasayani.	2015-16

B. Faculties Research Projects 2015-16

Sr. No	Investigator	Title of Research Proposal	Amount of Grant (in Rs./-)
1	Dr. P.G. Gaikwad	Design and analysis of Solid Waste Plant	2,06,890
2	Dr. Hansa Jeswani	Development of portable device for water disinfection using silver	2,15,000
3	Prof. Reshma Raskar	Transportation infrastructure Vulnerability and Risk Mapping for Metro Cities of India	2,25,000

4	Prof. A. N Ghadge	Effect of electrode surface area to volume of anodic chamber on performance of microbial fuel cell	2,32,000
5	Dr. Hansa Jeswani	Study of characteristics of ultra high performance concrete	50,000
6	Dr. A. R Kambekar	Experimental Analysis of SFRC and CFRC to increase sustainability of structure	51296

C. Faculties Research Publications 2015-16

Name of Faculty	Publications
Dr. Prashant P. Nagrale	03
Dr. A. R. Kambekar	01
Dr.P.G.Gaikwad	01
Dr. Hansa Jeswani	04
Dr. A.N.Ghadge	07
Prof. R.R.Raskar	02

D. Faculties attended conferences/workshops/training :

Name of the faculty	Course/ seminar/workshop Title	Arranged by	Duration
Dr.P.P.Nagrale	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.
Dr. A.R.Kambekar	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.
	Two day global submit: Indian Engineering Deans Council on engineering education	ISTE, Chennai	2-Day,31July to 1 Aug,2015
Dr.P.G.Gaikwad	Technical Aspects in Design and Construction of Bridges	SPCE,	2-Day 22-23 April, 2016

		Mumbai	
	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	12 April, 2016.
	One Day workshop on Wastewater Treatment Plant & Industrial Effluent Plant	RCF, Mumbai	9 Oct,2015
Dr.H.S.Jeswani	7 th Faculty Development Program	IIM Raipur	1-week July 13-18 ,2015
	Short term Course on Financial Management at i to be held from 17th August 2015- 21st August 2015.	IIT Delhi	1-week 17-21Aug,2015
	CII’s Advanced Training Programme on Green Building Rating Systems	CII - Ahmadabad	2-Days 17-18 Nov,2015
	5th University-Industry Congress: Global Higher Education Summit and Exhibition 2015 (CII/CO/15799/15)		3-Days 2-4 Dec,2015
	16 th Esri India User Conference 2015 and Exhibition	ESRI	2-Days 3-4 Dec,2015
	Workshop on “Demonstration of Global Education Software package (Stormgems, Sewergems, Watergems)”	Bently System	1-Day 28 Aug, 2015
	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.
	One Day workshop on Wastewater Treatment Plant & Industrial Effluent Plant	RCF, Mumbai	9 Oct,2015
Dr.A.N.Ghadge	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.
	One Day workshop on Wastewater Treatment Plant & Industrial Effluent Plant	RCF, Mumbai	9 Oct,2015
Prof.R.R.Raskar	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.
	Role of Geotechnology in Disaster Mitigation	Institution of Engineers, Bhubaneshwar	1-Day 3 Oct 2015
	National Workshop on “ Assessment and Mitigation in Liquefaction hazards for	IIT Roorkee	2-Days 27-28 Nov

	seismic microzonation		2015
	GIS for Civil Engineers	IIT, Bombay	23-27 May,2016
Prof.Kshitija N.	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.
	Transformational Leadership & Change Management	Jaipur Productivity Centre,	5- Day, 9-13 May,2016
Prof.S.J.Kumbhar	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.
	One Day workshop on Wastewater Treatment Plant & Industrial Effluent Plant	RCF, Mumbai	9 Oct,2015
Prof.P.D.Singh	Software Training on “ Quantity estimation software for Autoscan & Autosteel ”	Newton Software Pvt.Ltd	1-Day 12 April, 2016.

E. Testing & Consultancy

Testing and Consultancy: The department of Civil Engineering has taken lead in testing and consultancy works and hence generated significant revenue.

(From April – March 2014)	Testing amount in Rs.	Consultancy amount in Rs.	Total In Rs.
Civil Engineering	243500/-	297325/-	540825/-

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H.O.D
CIVIL ENGINEERING DEPARTMENT