

Information Brochure

Geotechnical Engineering



Water Resource Engineering



Transportation Engineering



Environmental Engineering



Structural Engineering



DEPARTMENT OF CIVIL ENGINEERING

VISION

TO DEVELOP BEST SKILLED CIVIL ENGINEERS WITH INNOVATIVE MIND AND OF GLOBAL PERSPECTIVE; WHO HELP OUR NATION TO DEVELOP CIVIL SOCIETY.



MISSION

TO EDUCATE THE STUDENTS IN THE SENSE OF INVENTION, DESIGN, EMPLOYMENT AND ENTREPRENEURSHIP AND MAKE THEM COMPETENT FOR SUCCESSFUL PROFESSION.

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Civil Engineering Laboratories

Message From Head of Department

"Learn together grow up together"

The Department of Civil Engineering at S. B. Patil College of Engineering, Indapur was established right from the inception of the institute, in 2009. Since then Civil Engineering Department has contributed not only in academic excellence but also in research development. This brochure has given brief information about physical amenities, expertise faculty and research education. The varied research initiatives and special programs helps the student of department of civil engineering to excel in competitive professional life. The department provides testing/consulting services for Quality check, Design, and Audit of various Civil Engineering Projects for many Private Construction Agencies and also for Government of Maharashtra Projects.

The details provided in document will be of great use to our graduating students and recruiters to have a common platform to share best of each other. This will be also useful to students seeking admission in civil Engineering and also facilitate the industries or organization for better placement of students. I can assure on behalf of my faculty colleagues and staff will continue to strive for achieving grater height in academics and research that will help in building good nation.

We heartily welcome you to interact regarding Civil engineering and wish you all the best for your bright future in civil engineering.

- Prof. R. B. Ghogare



Prof. R. B. Ghogare
Associate Professor
(H.O.D)

RATIONALE

•Civil Engineering Programme is designed to produce the graduates with sufficient theoretical knowledge, practical experience and design skills that will enable them fit into any area of Civil Engineering practice

• This programme offers students a wide range of civil engineering courses such as structures, geotechnical engineering, traffic and highway engineering, water /wastewater and construction management

PROGRAMME STRUCTURE

The duration of the programme is eight (8) semesters (equivalent to 4 academic years).The processing of Examination will be done at the end of each semester

General Courses in Civil Engineering:

- Building Technology and Material
- Strength of Material
- Surveying
- Geotechnical Engineering
- Concrete Technology
- Fluid Mechanics
- Structural Analysis
- Environmental Engineering
- Water Resource Engineering
- Transportation Engineering
- Structural Design (RCC, Steel, Prestressed)
- Earthquake Engineering

PROGRAMME EDUCATION OBJECTIVES (PEOs)

1. To educate and train the students so that, they can work and contribute to the infrastructure development being undertaken by Government and private sector or any other companies.
2. To educate and train students in such as a way that, they can pursue higher studies to contribute in the teaching profession/ research and development of civil engineering and other allied fields.
3. To train students in such a manner that, they should function effectively in the multicultural and multi-disciplinary groups for the sustainable development and growth of civil engineering field and profession.



PROGRAMME SPECIFIC OUTCOMES (PSOs)

A graduate of the Civil Engineering Program will able:

PSO1: To create innovative designs with advanced construction materials through research and development.

PSO2: To identify the need of the present era and build the projects like housing, waste management, irrigation, use of renewable energy etc. for a sustainable environment.

PSO3: To plan and design stable structures by analyzing the effects of natural calamities like earthquakes, landslides etc. including disaster management.

PSO4: To apply basic knowledge of project management to the real time construction projects.

PROGRAMME OUTCOMES (POs)

PO1: Engineering Knowledge

Apply knowledge of civil engineering to actual projects and complex engineering problems

PO2: Problem Analysis

Identify, formulate, review and analyze complex engineering problems to design, construct, operate & maintain infrastructure facilities

PO3: Design/development of solutions

Identify the solutions for complex engineering problems and design system components or processes that meet the specified needs in accordance to public health and safety.

PO4: Conduct investigations of complex Problems

Use research-based knowledge and research methods to identify, formulates, and solve complex civil engineering problems.

PO5: Modern tool usage

Either create or select and apply appropriate techniques, resources, and modern tools necessary for engineering practices

PO6: The engineer and society

Apply professional knowledge of engineering practices for healthy, safety and legal practices of civil engineering.

PO7: Environment and sustainability

Understand impact of developing infrastructure on environment and assess its severity and identify alternate solutions for sustainable development

PO8: Ethics

Apply ethical principles to become a responsible professional and good human

PO9: Individual and team work

Effectively work as an individual or as a member or a leader on multidisciplinary sectors

PO10. Communication

Communicate effectively on complex engineering activities with the engineering community and society at large to comprehend and write effective reports and make effective presentations

PO11: Project management and finance

Demonstrate knowledge and understanding of the engineering and management principles and apply these to real work, as a member or a team leader, to manage projects effectively.

PO12. Life-long learning

Able to engage in independent and life-long learning in the broadest context of technological change

FACULTY PROFILE

Sr.No	Name of Staff	Qualification	Designation	Experience (Yrs)
1	Prof. R.B.Ghogare	B.E. Civil ,M.E.[CM], Ph.D pursuing	Associate Professor	14.5
2	Prof. Mrs M.V.Gaikwad	B.E. Civil, M.E.[Structures], Ph.D pursuing	Associate Professor	12.5
3	Prof. P.R. Admile	B.E. Civil, M.E.[Structures]	Assistant Professor	10.5
4	Prof. Mrs. S.M.Baral	B.E. Civil, M.Tech.[Geotech], Ph.D pursuing	Assistant Professor	7.6
5	Prof. M. B. Katkar	B.E. Civil ,M.E.[CM]	Assistant Professor	10
6	Prof. S.M. Kale	B.E. Civil, M.E.[Structures]	Assistant Professor	9.6
7	Prof. S.V. Bankar	B.E. Civil ,M.E.[CM]	Assistant Professor	11
8	Prof. Mrs. V. S. Bere	B.E. Civil, M.E.[Structures], Ph.D pursuing	Assistant Professor	3.8
9	Prof. A.B.Rupanvar	B.E. Civil ,M Tech.[CM]	Assistant Professor	2
10	Prof. A. A. Burungale	B. E. Civil , ME (Structure)	Assistant Professor	3.5
11	Prof. A. A. Ingole	B. E. Civil , ME (Structure)	Assistant Professor	5.5
12	Prof.S.V.Jadhav	B.E. Civil , ME (Structure)	Assistant Professor	1.5
NON- TEACHING FACULTY				
1	Mr. Ghuge A. N	B.Sc., B.Ed.	Lab Assistant	7
2	Mr. Nikam M M	Diploma CE	Lab Assistant	5
3	Mr. P.P.Mohite	MCVC, B.Com	Lab Assistant	13.5
4	Mr. Jadhav S.D.	B.A	Attendant	7.9

Infrastructure Facility

Sr. No.	Name of the Lab	Total cost inclusive all taxes (Rs.)	Lab Area in Sq m
1	Fluid Mechanics	599902.00	81
2	Transportation Engineering	323377.00	81
3	Strength of Materials	1858381.00	81
4	Concrete Technology	985287.00	81
5	Civil CAD (Computer) Lab	785869.50	44
6	Civil (Computer) Lab II	6,78,694.00	44
7	Engineering Mechanics	164448.00	81
8	Geotechnical Engineering	915387.00	81
9	Surveying Lab	1347109.00	81
10	Engineering Geology	317430	81
11	Environmental Engineering	1662835.00	81
12	Drawing Hall	200932.00	88
	TOTAL	9160957.50	905



ACHIEVEMENTS OF DEPARTMENT



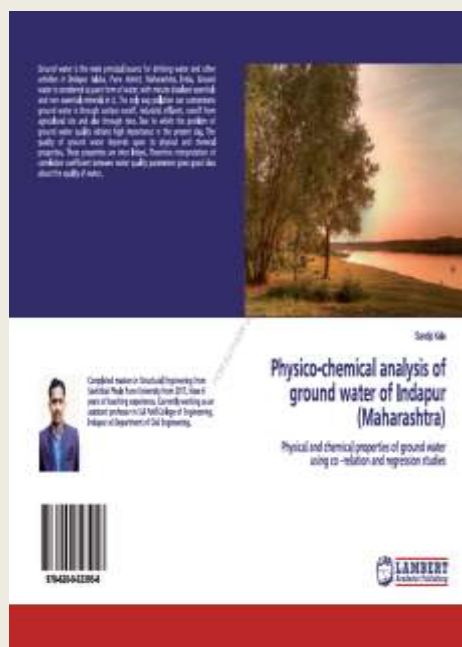
Research Contribution: Publications

The Faculties of Civil Engineering Department are always enthusiastic in research work & actively publish their research in International / National Journals or Conferences. Some have published books in good Publications .



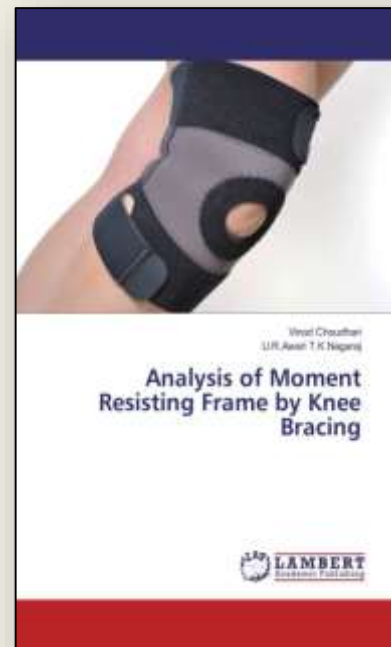
Prof. Admle P. R

[**Publisher:** LAP LAMBERT
Academic Publishing and Tech
Max publ.]



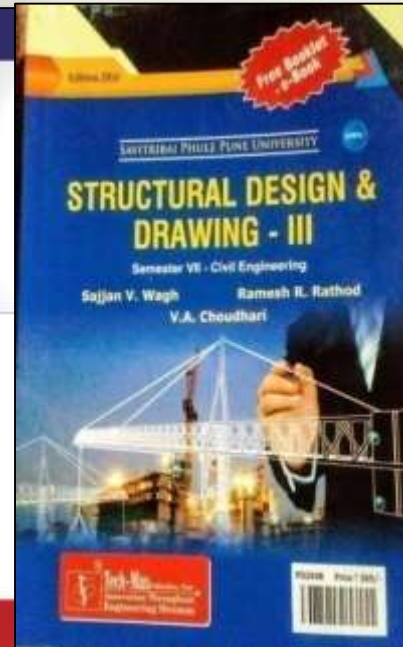
Prof. Kale S. M

[**Publisher:** LAP LAMBERT
Academic Publishing and Tech
Max publ.]



Prof. Choudhari V.A.

[**Publisher:** LAP LAMBERT Academic
Publishing and Tech Max publ.]



ACHIEVEMENTS OF DEPARTMENT



FACULTY ACHIEVEMENT

Academic Year	Research Publication	Book/ Chapter Publication	Workshop/ STTP organised	Workshop/ STTP Attended
2022-23	3	1	03	27
2021-22	1	0	03	40
2020-21	01	03	11	33
2019-20	09	05	04	34
2018-19	02	17	06	18
2017-18	09	01	08	36
2016-17	03	00	05	09
Total	28	27	40	197

ACHIEVEMENTS OF DEPARTMENT

RESEARCH & DEVELOPMENT: Research Grant Received



Sr. No.	Year	Name of the Principal Investigator/Co- Investigator	Title of the Project	Amount Sanctioned in Lakh
1	2019	Dr. P. D. Nemade/ Prof. M. V. Gaikwad	MODROB- Rural (Modernization & Removal of Obsolescence Rural) for Geotechnical Engineering Laboratory	15.73667
2	2018	Dr. P. D. Nemade/ Prof. S. S. Kavathe	Gunvatta Sudhar Yojana (tool Makers Microscope & double disc polishing machine)	1.67
3	2018	Prof. Megha Lawand	Introduction to Geospatial Technologies for Civil Engineering	1
4	2016	Dr. P. D. Nemade/ Prof. P. R. Admile	SPPU research Grant scheme (2016-18) (BCUD)	1.7
5	2013-2015	Dr. P. D. Nemade/ Prof. S. S. Bansode	Solid Waste Management and GIS based Transportation. A case study of Indapur Taluka Pune District. (BCUD)	2
6	2012-2014	Dr. P. D. Nemade/ Prof. S. S. Bansode	Analysis and Investigation of Heavy Metals in Ground Water of Indapur Taluka of Pune District (BCUD)	2.3
Total				24.4

ACHIEVEMENTS OF DEPARTMENT

STUDENT ACHIEVEMENT



AY 2022-23

EXTRA CURRICULAR/ SPORT ACHIEVEMENT

Basate Omkar S Representing Pune District Zonal Sports Committee in the Inter Zonal Tournamen of Savitribai Phule Pune University in the Soft Ball held at Agasti College, Akole in AY 2022-23

SEMINARS/ WORKSHOP ATTENDED

Sr No	Name of Student who attended	Title of the program	Duration
1	Takmoge Vishal Subhash	Work Ethics & Corporate Etiquette (UDEMY Course)	19 Nov 2022
2	Shraddha Rajkumar Swami	Webinar on Renewable Energy courses developed in line with the European Project EMTEU Energy Management Technician in Europe	December 2022
3	Choudhari Samadhan Shashikant	Webinar on Renewable Energy courses developed in line with the European Project EMTEU Energy Management Technician in Europe	December 2022
4	Kare Sourabh Bajrang	Webinar on Renewable Energy courses developed in line with the European Project EMTEU Energy Management Technician in Europe	December 2022
5	Khatake Sarita Samadhan	Webinar on Renewable Energy courses developed in line with the European Project EMTEU Energy Management Technician in Europe	December 2022
6	Mane Mangesh Kashinath	Webinar on Renewable Energy courses developed in line with the European Project EMTEU Energy Management Technician in Europe	December 2022
7	Mayuri Raosaheb Gaikwad	Webinar on Renewable Energy courses developed in line with the European Project EMTEU Energy Management Technician in Europe	December 2022
8	Shirke Shivraj Nivrutti	Webinar on Renewable Energy courses developed in line with the European Project EMTEU Energy Management Technician in Europe	December 2022
9	Takmoge Vishal Subhash	One week SFDP on “Application of Softwares in Civil Engineering” organised by Dept. of Civil Engineering, SBPCOE, Indapur	26 th to 30 th december 2022

ACHIEVEMENTS OF DEPARTMENT

STUDENT ACHIEVEMENT



AY 2022-23

SEMINARS/ WORKSHOP ATTENDED

Sr No	Name of Student	Title of the program	Duration
10	Kare Sourabh Bajrang	One week SFDP on “ Application of Softwares in Civil Engineering” organised by Dept. of Civil Engineering, SBPCOE, Indapur	26 th to 30 th december 2022
11	Thobare Saurav H	One week SFDP on “ Application of Softwares in Civil Engineering” organised by Dept. of Civil Engineering, SBPCOE, Indapur	26 th to 30 th december 2022
12	Jagtap Rohan C	One week SFDP on “ Application of Softwares in Civil Engineering” organised by Dept. of Civil Engineering, SBPCOE, Indapur	26 th to 30 th december 2022
13	Yadav Shashikant R	Five Days VAP on AutoCad, Sketch-Up, Etap organised by Bright Path Computer Institute, Indapur in Association with SBPCOE	10 th to 14 th Oct 2022

STUDENT PAPER PUBLICATION

Sr No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	Experimental Study of Behavior of Conventional Concrete with Egg Shell Powder and Egg Yolk, Egg White	1. Akash R. Nanaware, 2. Aditya M. Kamble, 3. Aatish A. Sathe 4. Suraj D. Mhasawade	Journal of Civil & Environmental Engineering	August 2022	ISSN: 2165-784X

ACHIEVEMENTS OF DEPARTMENT

STUDENT ACHIEVEMENT



AY 2022-23

Sr No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
2	"Application Of Water-Soluble Polymer In Cement Concrete Mixes Ordinary Type	1. Miss. M. S. Kulkarni 2. Miss. A. S. Shinde 3. Miss. K. E. Thorat 4. Miss. M. N. Khatake	International Research Journal of Engineering and Technology (IRJET)	July 2022	e-ISSN: 2395-0056
3	Performance of Concrete by Partial Replacement of Alccofine and Fly Ash	1. Mr. VaibhavKharade 2. Mr. Nikhil Deshmukh 3. Mr. Kapil More	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	July 2022	ISSN (Online) 2581-9429

ACHIEVEMENTS OF DEPARTMENT

STUDENT ACHIEVEMENT



AY 2021-22

SEMINARS/ WORKSHOP/ COMPETITION ATTENDED

Sr No	Name of Student who attended	Title of the program	Duration
1	Hingmire Rushikesh Dnyaneshwar	Two Week Student Internship Program On “Autocad 2d & 3d Software” Organized By Civil Engineering Department , M.V. P. S.’S K.B. T. College Of Engineering, Nashik	16th to 28th August 2021.
2	Samadhan Dattatraya Sawant	National Quiz Series 2021- Environmental Engineering Organised By Department Of Civil Engineering, D. Y. Patil College Of Engineering, Akurdi In Association With Bentley	5-8-2021
3	Nikhil Nagnath Deshmukh	Online Quiz On “Research & Technology” Hosted By Department Of Research & Development In Association With Iic And Internal Quality Assurance Cell (IQAC) On Occasion Of World Technology Day 2022.	12/05/2022
4	Thorat Akansha Kashinath	One Week Sttp On Practical Approach Of Estimation And Costing In Civil Engineering, organised by Department Of Civil Engineering, SBPCOE	12/01/2022 to 16/01/2022
5	Mane Deshmukh Shishir Pramod	One Week Sttp On Practical Approach Of Estimation And Costing In Civil Engineering, Organised By Department Of Civil Engineering, SBPCOE	12/01/2022 to 16/01/2022
6	Kharat Shahaji Baban	Online Course On “Estimation And Planning” Conducted By Civil Guruji, Civil Engineering Training Institute	28 Nov 2021

ACHIEVEMENTS OF DEPARTMENT

STUDENT ACHIEVEMENT



AY 2021-22

SEMINARS/ WORKSHOP/ COMPETITION ATTENDED

Sr No	Name of Student who attended	Title of the program	Duration
7	Kharat Shahaji Baban	Online Course On “Professional Autocad” Conducted By Civil Guruji, Civil Engineering Training Institute	29 Jan 2022
8	Kharat Shahaji Baban	Online Course On “Sturctural Analuysis & Design (Etabs)” Conducted By Civil Guruji, Civil Engineering Training Institute	2 March 2022
9	Kharat Shahaji Baban	Online Course On “Google Sketch Up” Conducted By Civil Guruji, Civil Engineering Training Institute	9 Feb 2022

STUDENT PAPER PUBLICATION

Sr No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1.	Upgrading Compressive Strength of concrete column using fiber reinforced polymer	1. Rushikesh D. Hingmire 2. Samadhan D. Sawant 3. Mansi R. Kadam	IRJET	May 2022	e-ISSN: 2395-0056 p-ISSN: 2395-0072

ACADEMIC PERFORMANCE : BE TOPPERS

Sr. No.	Year	Name of Student	Marks	% or SGPA
1	2021-22	Bhong Shivtej Dadaso	1356/1500	90.4 or 9.93
2	2020-21	Sarade Sayali Bharat	1374/1500	91.60 or 10
3	2019-20	Jadhav Vipul Vijay	1248/1500	83.20 or 9.57
4	2018-19	Devkar Sumit Bhajandas	1284/1500	85.60 or 9.8
5	2017-18	Kale Vishal Hanumant	1233/1500	82.20



Bhong Shivtej Dadaso

Sarade Sayali Bharat

Jadhav Vipul Vijay

Devkar Sumit Bhajandas

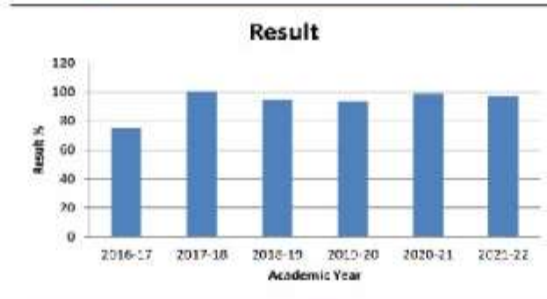
Kale Vishal Hanumant

Academic Performance : University Topper

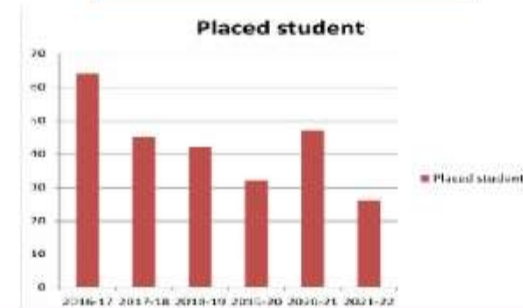
Sr. No.	Year	Name of Student	Merit List (All Branches)	Merit List (Civil Engg.)
1	2019-20	Gaikwad Amarsingh Sanjay (9.76)	10	3
2	2017-18	Devkar Sumit Bhajandas (9.78)	6	3

Result, Placement and Top Alumni

Result Analysis Chart



Placement Chart



Academic Toppers

2021-22 2020-21 2019-20 2018-19 2017-18 2016-17



Top Alumni

2021-22 2020-21 2019-20 2018-19 2017-18 2016-17



Top Recruiters



Placement : 2022-23

Sr. No.	Name of the Student	Name of the Employer	Package Received(LPA)	Program from which student is graduated
01	Omkar Deokar	T&T Infra Pune	1.8	SBPCOE Indapur
02	Samir Gaikwad	Eleation	4.2	SBPCOE Indapur
03	Imran Pathan	Eleation	4.2	SBPCOE Indapur
04	Abhishek Ranaware	Eleation	4.2	SBPCOE Indapur
05	Ajinkya Shinde	Arunodeep Infra Pvt ltd	1.8	SBPCOE Indapur
06	Nikhil Jadhav	IDSS Global Pvt ltd	1.8	SBPCOE Indapur
07	Sanket Kadam	IDSS Global Pvt ltd	1.8	SBPCOE Indapur
08	Satyajeet Game	Balson Infrastructure Pune	1.8	SBPCOE Indapur

Top Recruiters

HCC



Infosys



BNC



Eleation



Qpedura

INDOVANGE



SHREE KHODIYAR GROUP OF COMPANIES

Placement : 2021-22

PLACEMENT IN TOP MNC COMPANIES



Sonali Gholave
Wipro
8 LPA



Shankaraj Ghogare
Wipro
3.6 LPA



Akash Adsul
HCC
4 LPA



Samruddhi Ghadage
Qspider / Wipro / Infosys
3 / 3.6 / 3.6 LPA



Rahul Devale
Qspider / Indovance
3 / 4 LPA



Samadhan Sawant
ELEATION / Qspider
4.2 / 3 LPA



Sakshi Surve
ELEATION
4.2 LPA



Shrikant Salunkhe
BNC Power
1.8 LPA



Atul Lavate
Inventis Projects pvt ltd
3.2 LPA



Ketan Raskar
Inventis Projects pvt ltd
3.2 LPA



Rohan Jagtap
Khodiyar Group of Companies
2.4 LPA



Amarsinh Gaikwad
Khodiyar Group of Companies
2.4 LPA



Rohit Jadhav
Khodiyar Group of Companies
2.4 LPA



Prajwal Kadam
Khodiyar Group of Companies
2.4 LPA



Subhash Patil
Khodiyar Group of Companies
2.4 LPA



Rushikesh Hingmire
T&T Infra
1.8 LPA



Akash Nanaware
Qspider
3 LPA



Monali Khatake
Qspider
3 LPA



Aditi Deshmukh
Qspider
3 LPA



Nikhil Deshmukh
Qspider
3 LPA



Vishwajeet Bagal
Qspider
3 LPA



Shivani Vidhate
Qspider
3 LPA



Apeksha Shinde
Qspider
3 LPA



Kajal Thorat
Qspider
3 LPA

Top Recruiters

HCC



Infosys



BNC



ELEATION



SHREE KHODIYAR GROUP OF COMPANIES

MOU'S OF DEPARTMENT



Sr. No.	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration (Years)	List the actual activities under each MOU year wise
1	S G Associates Indapur	2018	5	Internship
2	Vastu Consultant, Loni Devkar, Indapur	2018	5	Internship
3	Hitesh Lahoti & Associates, Pune	2020	5	Internship
4	Bhosale Construction, Baramati	2017	5	Internship
5	KCube Consultancy Services Pvt Ltd	2015	5	Internship
6	Lagad Industries ,Baramati	2018	5	Internship
7	Mayuresh Developers ,Baramati	2018	5	Internship
8	Borade Associates ,Baramati	2017	5	Internship
9	Mukti Group Baramati	2018	5	Internship



CIVIL ENGINEERING STUDENT ASSOCIATION (CESA)



BOS chairman SPPU Pune Dr. S. N. Londhe delivered talk on the topic 'Application of ANN in Civil Engineering'



Alumina Student Mr. Ramesh Rathod along with Principal and Departmental Staff.



Blood Donation Camp



Mr. Amol Maskar (Asst. Engineer Grade I, WRD, Govt. of Maharashtra) delivered talk on 'Earth Pressure & its importance Application point of view'



Tech Infra 2017



Road Safety awareness program



Mr. Raut S.M. (RCC consultant, B. R Associates, Baramati) 'Plate Girder & Gantry Girder'



Cleaning of Daulatabad fort



Career Guidance by Mr. Kalyanji Taware

GLIMPSES OF INDUSTRIAL VISITS





Future Goals:

- To start of new **PG programs** in Civil Engineering.
- To make **MOU's** with leading industries and foreign universities.
- To motivate the students to appear for Engineering Service examinations (**IES**).
- To strengthen qualitative **Research and Consultancy** activities.



Department of Civil Engineering
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