

Annual Report of Civil Engineering Department for the Academic Year 2021-22

I am delighted to present the Annual Report of Civil Engineering Department for the academic year 2021-22.



1) ACADEMIC PERFORMANCE

The students showed excellent performance in University examinations. Result of SY, TY and Final year classes for April/May 2021 Examination are as follows:

a) Performance in University Examination

• Rankers of the Class:

The classwise rankers are as follows:

Final Year (Civil)

Rank	Name of Student	Marks (Percentage)
I	Gaikwad Vaishnavi Ramchandra	96.85
II	Dharashivkar Umera Samreen Aejaz Ahmed	95.04
III	Baghban Md Alqama Rajasaheb	93.92
IV	Shinde Yash Rajesh	92.75
V	Vijapure Junaid Zakir Hussain	90.53

TY (Civil)

Rank	Name of Student	Marks (Percentage)
I	Javanjal Prajwal Prabhakar	98.46
II	Gugal Shubham Suresh	98.43
	Jogdankar Asharani Laxman	
	Mashale Pradeep Ramesh	
III	Dhotre Shriniwas Sidram	98.29
IV	Jadhav Snehal Gorakh	98.04
	Inamdar Eshwar Satyanaryan	
V	Katve Ritik Rajendra	98.00
	Dyavershetti Abhishek Shrihari	

SY (Civil)

Rank	Name of Student	Marks (Percentage)
I	Kadam Neha Sanjay	91.64
II	Shaikh Md Ayan Altaf	91.24
III	Sajid Daud Tamboli	91.20
IV	Barbade Swaraj Kedar	90.60
V	Pawar Amol Revan	90.36

b) Performance in GATE Examination

i) **GATE-2022:** Extra classes were conducted in the month of December and January by the faculty members of our department to guide the students for GATE-2022 Examination. **Two students** qualified **GATE-2022** Examination. The details are as follows:

Sr. No.	Name of Student	Marks
01	Ritik Rajendra Katve	95.36 %
02	Shruti Ambadas Yemul	86.31%

C) Selection of Students through Competitive Exams

Following students Qualified MPSC Engineering Services Examination and joined the Government organizations.

Sr. No.	Name of Selected Student	Department	Designation
1	Swaminath Pujari	PWD	Assistant Engineer-I
2	Pavan Benjarpe	PWD	Assistant Engineer-II
3	Megha Gheradi	WRD	Assistant Engineer-II

2) RESEARCH FUNDING

a) The department has received grant in aid from **Maharashtra Pollution Control Board (MPCB), Mumbai for A. Y. 2021-22** for monitoring Ambient Air Quality (AAQM) of following cities. This funding has been received through State Ambient Air Monitoring Programme (SAAMP). The details are as follows.

Sr. No.	Name of City	No. of Stations	Total Grant (in Lakhs)
1	Solapur	02	8.4
2	Barshi	03	9.73
3	Pandharpur	01	7.08
4	Osmanabad	03	9.73
Total Grant			34.95

b) **Dr. V. K. Patki and Dr. S. S. Jahagirgar** received grant of Rs. **10.44 Lakh** from IIT, Bombay for the Project “**Engagement of IIT Bombay for Detailed Study to Prepare Detailed Project Report (DPR) of the Loknete Baburao Patil Agro Industries Ltd. Angar, Mohol, Solapur District**”

The main objective of this project is to determine the Environmental damage caused due to spillage of spent wash from biodigester.

3) FACULTY PUBLICATIONS

Our Institute motivates Faculty members to publish their research in National and International Journals. The details of publications are as follows.

1) **Maske R. G.** Shubham Jadhav (2021) “Experimental Study of Partial Replacement of Cement by Metakaolin and Fly ash,” International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume 8, Issue 12 December 2021 (**Springer Publisher, Scopus Indexed**).

2) **Maske R. G.** Swati P Ghodake (2021) “Comparative Analysis Of G+8 Structure With And Without Floating Column,” International Journal of Creative Research Thoughts (IJCRT), ISSN: 2320-2882, Volume 9, Issue 9 September 2021, Retrieval Number: paper_id/IJCRT2109323 (**Springer Publisher, Scopus Indexed**).

3) **V. K. Patki, Madhuri Ingale**, Umakant Chanshetti (2021) “ Nanofibers Synthesized from Jawar Stem (Agro-Waste) for Removal of Cr(VI) from Aqueous Solution” International Journal of Environmental Analytical Chemistry, July 2021,Page 1-14. (Taylor and Francis, SCI, SCIE and Scopus indexed)

4) **Veeresh A Salimath, S. R. Kulkarni** (2021) “Stabilization of Black Cotton Soil by Using Plastic Granules as a Subgrade Material” International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 12 | Dec 2021 (Scopus Indexed).

4) FACULTY ACHIEVEMENT

On the occasion of Teachers’ day, Institute felicitates faculty members who have shown excellent performance throughout the Academic year. **Dr. V. K. Patki** was honored with **Best Teacher** award from the Department of Civil Engineering for the Academic Year 2021-22.



5) INDUSTRY - INTITUTE INTERACTION

a) Testing and Consultancy Activity

Civil Engineering Department is having highly qualified faculty members in all specializations and has the state-of-art laboratories. The department offers Testing and Consultancy services in the following areas-

- Testing of Materials (for Buildings and Roads)
- Concrete Mix Design
- Surveying with Total Station
- Soil Testing and Geotechnical Investigations
- Proof Consultancy for Structural Designs
- Water and Waste Water Testing

Total Earning from Testing and Consultancy for the AY 2021-22 is **11.85 Lakhs**.

b) Industrial Training of the Students

All S.Y & T.Y (Civil) students have undergone 30 days Industrial Training during vacation at various construction sites. This training helped the students to get industrial exposure.

c) Department Advisory Board (DAB)

Civil Engineering Department has formed Department Advisory Board (DAB) and conducted meeting of all DAB members on 10th Oct. 2021. Following are the member of the DAB Committee.

Sr. No.	Name of DAB Member	Designation	Name of Institute/Company
1	Dr. J. B. Dafedar	Principal	NKOCET, Solapur
2	Dr. V. K. Patki	HOD	NKOCET, Solapur
3	Dr. Katta Venatrammana	Professor	NITK, Surathkal
4	Dr. S. Shrihari	Professor	NITK, Surathkal
5	Dr. Bakul Rao	Professor	IIT, Bombay
6	Dr. G. R. Munavalli	Professor	WCE, Sangli
7	Dr.K.S.Gumaste	Professor	WCE, Sangli
8	Er.Rajesh Bhate	Director	Raje and Bhate Associates Pune
9	Er. Prakash Bajaj	Director	IEI Belapur, Navi Mumbai
10	Er. Satish Nawale	Dy. Director	Shinde Developers,Pune
11	Er. Pravin Solamon	Director	IEI Belapur, Navi Mumbai
12	Er. Om Darak	Practicing Engineer	Secretary, ISSE, Solapur
13	Er. Sidhant Pawar	BIM Trainer	Thinktech Engineers, Pune
14	Er. Rohan Shiral (Alumni)	Deputy Engineer	Mumbai Metro Rail Co. Ltd.
15	Er. Ravi Shetti (Alumni)	Senior Engineer	Aspire Projects & Services Oman

d) MoU with Industries

Dept. of Civil Engg. has signed MoU with following industries to bridge the gap between industry & academia.

- Maharashtra Pollution Control Board, Mumbai for Ambient Air Quality Monitoring of Solapur
- Maharashtra Pollution Control Board, Mumbai for Ambient Air Quality Monitoring of Pandharpur, Barshi & Osmanabad
- Unity Multicons Pvt. Ltd., Solapur
- Vasant Vihar Reality Pvt. Ltd., Mumbai
- Maheshwari Constructions Pvt. Ltd., Solapur
- Computer Help Structural Engineering & Software developers, Mumbai

6) INSTITUTE SOCIAL RESPONSIBILITIES (ISR) ACTIVITY

The departmental Faculty members have delivered sessions at various polytechnics for their students development. The details are mentioned in the following table.

Details of Lecture Conducted at Polytechnic Institutes:

Sr. No	Name of Faculty	Topic	Date	Name of Institute & Class
1	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Session on Carrier Guidance	11th Mar. 2022	Vishveshwarya Polytechnic, Latur, TY - CIVIL
2	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on STAAD Pro Software	04th Apr. 2022	
3	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on ETAB & MSP Software	22nd Apr. 2022	
4	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Session on Carrier Guidance	16th Mar. 2022	
5	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on STAAD Pro Software	18th Apr. 2022	
6	Dr. V. K. Patki	Session on Carrier Guidance	21th & 22nd Mar. 2022	SES Polytechnic, Solapur, TY - CIVIL
7	Dr. Shivaji Chavan	Session on Personality Development	23rd Mar. 2022	
8	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Session on Carrier Guidance	25th Mar. 2022	
9	Prof. D. N. Rajgiri	Session on Construction Management	30th Mar. 2022	
10	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on STAAD Pro Software	30th Apr. 2022	
11	Prof. A. Y. Kankuntla	Workshop on Experiments of Hydraulic Engg	30th Apr. 2022	
12	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on STAAD Pro Software	15th May 2022	
13	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on Soft Computing Techniques in Civil Engg.	26th Mar. 2022	SVSMDs Polytechnic, Akkalkot, TY - CIVIL
14	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on Soft Computing Techniques in Civil Engg.	29th Mar. 2022	Moulana Azad Polytechnic, Solapur, TY - CIVIL
15	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Session on Carrier Guidance	11th Mar. 2022	STC, Latur, TY - CIVIL

16	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on STAAD Pro Software	04th Apr. 2022	VDF Polytechnic, Latur, TY - CIVIL
17	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Session on Carrier Guidance	11th Mar. 2022	
18	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on STAAD Pro Software	04th Apr. 2022	
19	Dr. S. B. More	Session on Shear Strength Test for Foundation Analysis	12th Apr. 2022	SSWP, Solapur, TY - CIVIL
20	Prof. A. Y. Kankuntla & Prof. R. G. Maske	Workshop on STAAD Pro Software	12th May 2022	

7) SHORT TERM COURSE/CONFERENCE/ WORKSHOPS ATTENDED/ ORGANISED BY OUR FACULTY MEMBERS

To cope up with the recent technologies and advancement in the field of Civil Engineering, following Faculty members have attended Workshops, Seminars and Short-term training programs at various Institutes.

a) Resource Person for Conducting STTP Course

- Dr. V. K. Patki was Invited as resource person at Dr. J. J. Magdum College of Engg. & Tech., Jaysingpur to conduct a session AICTE sponsored STTP on “Machine Learning Application in Civil Engg.” Scheduled during 21th -25th Feb. 2022.
- Dr. S. B. More was Invited as resource person at Dr. J. J. Magdum College of Engg. & Tech., Jaysingpur to conduct a session AICTE sponsored STTP on “Machine Learning Application in Civil Engg.” Scheduled during 21th -25th Feb. 2022.

b) Workshops Attended by Faculty Members

- Prof. P. A. Vadnal attended One week FDP on ‘IGBC Accredited Faculty’ Conducted by MIT School of Engg., Pune (20th to 24th June 2022).
- Prof. R. G. Maske worked as **Primary Evaluator in Toyathon 2021** Conducted by AICTE and Ministry of Education Innovation cell (25th Oct. 2021)
- Prof. R. G. Maske Participated in **IGEN SDG Research Survey Project** titled – SDG-7 Impact on Indian Universities (13th March 2022)

8) CO-CURRICULAR COURSES FOR STUDENTS

The department has conducted following Add-on courses to bridge the gap between industry and academia. Following Add on courses have been conducted in the A.Y. 2020-21.

1) Prof. S. R. Kulkarni & Prof. S. M. Kale conducted One week workshop on **AutoCAD** for all SY Students. Total 125 students participated in this workshop (05th Feb. 2022 to 15th Feb. 2022).

2) Er Loni S.V. conducted One week workshop on **MS Project** for all TY Students. Total 150 students participated in this workshop (25th Jan. 2022 to 5th Feb. 2022).

3) Er. Navnath Nichare and Er. Padma Devakr conducted One day workshop on **E-Tendering** for TY Students. Total 30 students participated in this workshop (05th June 2022).

9) PURSUING NPTEL COURSES

• National Programme for Technology Enhanced Learning (NPTEL) is a joint initiative of IITs and IISc to offer online courses and certification in various domains with the motive **learn for free, pay a small fee to write an exam and get a certification**. I am happy to mention here that our students are actively participating in many NPTEL courses. The participation details for academic year 2021-22 are as follows:

Sr. No.	NPTEL Course	No. of Students Registered
1	Geosynthetics and Reinforced Soil Structures	4 (Final Year)
2	Maintenance and Repair of Concrete Structures	39 (Final Year)
3	Environmental Remediation of Contaminated Sites	53 (Final Year)
4	Remote Sensing Essentials	24 (Final Year)
5	Mechanical Characterization of Bituminous Materials	16 (Final Year)
Total		136

• Students learnt the subjects online through NPTEL platform and the credits earned in NPTEL examinations are directly transferred as per Dr. Babasaheb Amedkar Technical University, Lonere (DBATU) Credit Transfer Policy.

• Civil Engineering Department student **Miss. Jogdankar Asharani Laxman** has Awarded with **Honors/ Major Degree in Environment Engineering**. She has completed **five advanced courses** from NPTEL of **20 credits**.

10) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENTAL & INSTITUTIONAL ACTIVITIES:

There has been active participation of our faculty members in departmental and Institute level activities. The details are as follows:

Sr. No	Name of faculty	Contribution
1.	Dr. V. K. Patki	Head, Dept. of Civil Engg.
		Core- Committee member
		Grievance Redressal Committee Member
2.	Dr. S. S. Jahagirdar	Dean R&D
		Core- Committee member
		Grievance Redressal Committee Member
		AMC Coordinator
3.	Prof. S. B. More	Member of Library Committee
		Dept. NBA & NAAC coordinator
4.	Prof. S. R. Nirantar	Proctor Co-ordinator
		PTA & Parent Meet Co- ordinator
5.	Prof. D. S. Pawar	Training and Placement Co-ordinator
6.	Prof. S. M. Kale	GATE Co-ordinator & Departmental Career Counselor
		PG Co-ordinator
7.	Prof. S. R. Kulkarni	Institute Planning & Landscaping Incharge
		CESA Faculty Co- ordinators
8.	Prof. G. J. Kulkarni	Institute Infra Development Coordinator
		Sponsored Project Coordinator
9.	Prof. R. M. Thavare	Time Table Co-ordinator
		Department Test Co- ordinators
10.	Prof. F. K. Maniyar	Project Co-ordinator
		OrchiTech- 2022 Co-ordinator
11.	Prof. R. G. Maske	Industrial Training Co- ordinator
		Industry Institute Interaction coordinator
12.	Prof. D. N. Rajgiri	CESA Faculty Co- ordinators
13.	Prof. V. A. Salimath	Term work Co-ordinator
14.	Prof. A. Y. Kankuntla	ERP Co-ordinator.
		Website Co-ordinator.
15.	Prof. F.S. Kazi	Newsletter Coordinator
		Dept. Meeting Coordinator
		Virtual Lab Coordinator
16.	Prof. A. S. Jamdar	University Oral Examination Coordinator
		Student Welfare Coordinator

17	Prof. Priyanka Vadnal	Alumni Co-ordinator
		Result Analysis Co-ordinator
18	Prof. A. A. Sangave	MOU Coordinator
		NPTEL Coordinator

		Nehali Kambale
15.	Sports Co-ordinators	Pawar Sonu

11) CIVIL ENGINEERING STUDENTS ASSOCIATION (CESA) ACTIVITIES

a) CESA Committee Members:

Following students have worked as office bearers of Civil Engineering Students Association (CESA) for the academic year 2021-22.

Sr. No.	Post	Name
1.	President	Mrunal Gangji
2.	Vice-president	Siddhant More
3.	General Secretary	Darshan Jain
4.	Cultural Head	Ajinkya Bhosale
5.	Publicity Head	Prabhupad Putta
6.	Technical Head	Aquib Hundekari
7.	Treasurer	Yogesh Rathod
8.	Discipline Head	Saqlain Shaikh
9.	Sports Head	Daud Badeghar
10.	Cultural Co-ordinators	Rushikesh Dengale
		Tooba Ansari
		Tejas Ghadage
		Rutuja Kamble
11.	Publicity Co-ordinators	Neha Kadam
		Sajid Tamboli
		Rutuja Sathe
		Pooja Myana
12.	Technical Co-ordinators	Hafsa Dafedar
		Swaraj Barbade
		Amol Pawar
		Pramod Salukhe
13.	Anchoring Members	Tooba Ansari
		Neha Kadam
		Sajid Tamboli
		Vishakha Jadhav
14.	Discipline Members	Subham Bendre
		Roshan Rathod
		Zafar Shaikh
		Swapnil Dhullam
		Nikhil Diwane
		Khalid Shaikh
Shoiab Sagri		

b) Events Organized by CESA :

Following Expert lectures and Events were conducted for the students through the CESA.

Sr. No.	Topic	Resource Person & Date
1	The Ultimate Success	Prof. Touheed Mujawar President, Maharashtra Association of TPO for SY, TY & B.Tech. Students.(14th Sept. 2021)
2	What Next After B.Tech - 'Industry and Career'	Er. Kedar Wadekar Associate Professor, Cushman and Wakefield for SY, TY & B.Tech. Students.(11th Nov. 2021)
3	Importance of BIM for Civil Engineers	Er. Siddhant Pawar BIM Manager, BIM for SY, TY & B.Tech. Students.(15th Sep. 2021)
4	Personality Development, Skill Enhancement & Mind Training	Prof. Arshad Sayyad Software Engineer, NLP Master for SY, TY & B.Tech. Students.(27th Dec. 2021)
5	Emerging Trends in Civil Engineering	Mr. Abhijeet Patankar Regional Manager, CADD Center for SY, TY & B.Tech. Students.(11th Jan. 2022)
6	Finance Management	Mr. Avinash Mahagaonkar Director, Lokmangal Group for SY, TY & B.Tech. Students.(23rd Mar. 2022)
7	How to Prepare for GATE	Mr. Shrikant Kale Assistant Professor, NKOCET, Solapur for SY, & TY Students.(29th Mar. 2022)
8	Professional E-Tendering in Civil Work	Er. Navnath Nichare, DCE, APJ Society for SY, TY & B.Tech. Students.(5th June 2022)
9	Stability Analysis of Chimney	Dr. J. B. Dafedar Principal, NKOCET. Solapur for TY & B.Tech. Students. (2nd June 2022)
10	International Yoga Day	Ms. Vandana Shinde Yoga Teacher, Fitness Mantra for SY, TY & B.Tech. Students. (5th May 2021)

12) TRAINING & PLACEMENT ACTIVITY

Placement is one of the very important activities of the department. The placement season of department started with preparation for placement drives of MNCs like TCS, Wipro, and Infosys with rigorous efforts on aptitude and programming. Department continues its tradition of excellent placements in this academic year also. Our students got placed in reputed industries like TCS, Wipro, Infosys, Choice India, Millennium Engineers and Contractor Ltd., Shelke Group Pune etc. Campus placement drives of many companies from different sectors were organized for students in which they proved their strength and bagged total **76** offers till July 2022.

Sr. No.	Name of Company	Name of Selected Student
1	Infosys	Aishwarya Nilesh Patki
		Ajinkya Bhosale
		Anjali Vyankatesh Gumate
		Apurva Shridhar Shinde
		Govardhan Konge
		Nagini Karpe
		Namrata Apparao Kadam
		Priyanks Utage
		Yusuf Tamboli
		Varsha Alsande
		Shreya Gaikwad
		2
Ankita Ligade		
Renguntla Divya Kanakraj		
3	Wipro	Apurva Shridhar Shinde
		Rehan Shaikh
		Shruti Ganesh Arkal
		Shrutik Subhash Shaharwale
		Ritik Katve
		Pratiksha Sakhare
4	Capgemini	Shrutik Shaharwale
		Yogesh Rathod
5	Choice India	Govardhan Konge
		Ganesh Bagalkoti
		Pradeep Mashale
		Prathmesh Alloli
		Ranvirsinh Bagal
6	Shree Cement	Ketan Daulatabad
		Rahul Machha
7	Winntus Formwork ,Pune	Anuradha Halnor
		Samarth Bhosale
		Sandhya Mamdyaal
		Ruchita Chimman

8	Pracyva Limited, Pune	Sushma Khajurgikar
		Gayatri Gudur
		Samarth Shivaji Bhosale
9	Kanka Aluform Fabricators	Prasad Saddalgi
10	JA Constructions	Shruti Ganesh Arkal
		Daud Badheghar
11	Suyog Construction	Ankita Nimbalkar
		Priyanks Menase
12	Unity Group	Awatade Shubham
13	Kolbro Groups	Sandip Dussa
		Prathmesh Shamsundar Raul
		Rahul Ravindra Maccha
		Rakesh Pandurang Billa
		Rohit Anant kore
		Tejas Raghunath Salunke
		Yusuf Tamboli
		Samarth Shivaji Bhosale
		Kase Chandrakant Parmeshwar
		Shubham Sunil Ekbote
		Vinesh Yadgiri Gauda
		Siddhant Netaji More
		Ritik Rajendra Katve
		Tejas Gaikwad
		Saqlain Shaikh
		Awatade Shubham
14	Shelke Group, Pune	Eshwar Inamdar
		Ankush Madur
		Prathmesh Bhokare
		Siddhant Netaji More
		Samarth Bhosale
		Prajval Javanjal
		Rahul Machha
		Viresh Gauda
		Chandrakant Kase
		Sandip Dussa
Prathmesh Raut		
15	Millennium Engineers and Contractor Ltd.	Sourabh Jamadar
		Vaibhav Nirmal
		Sujit Vanjare
		Vivek Saste
Total Placed Students		76

13) EDUCATIONAL TRIPS AND VISITS

To understand the practical aspects of Civil Engineering students have visited various sites & Industries. The details of visits are as follows:

T.Y		
Sr. No.	Educational Trip /Visit to	Accompanied by
1	Tuljai Construction Site (25th May. 2022)	Prof. D.S.Pawar (DCS-I)
2	Sewage Treatment Plant, Degaon, Solapur. (10th May. 2022)	Dr. S. S. Jahagirdar Prof. R. M. Thavare (for WWT)
3	Common Effluent Treatment Plant, MIDC Chincholi, Solapur. (10th May. 2022)	
S.Y		
Sr. No	Educational Trip /Visit to	Accompanied by
1	Water Treatment Plant, Pakani, Solapur (14th June 2022)	Dr. V.K.Patki, Prof. R. M. Thavare (for EE)
2	Water treatment plant, Soregaon, Solapur (14th June 2022)	
3	Ujani Dam (20th June 2022)	Prof.F.S.Kazi & Prof. F. K. Maniyar (WRE)

14) PG ACTIVITY

Department of Civil Engineering has changed title of PG course from Structural Engg. to Computer Aided Structural Analysis & Design from last academic year. Up till now **51** students have completed their PG in Structural Engineering from the Department of Civil Engg.

15) SOCIAL ACTIVITIES OF STUDENTS

Civil Engineering students have donated **62** bottles of blood in the blood donation camps organized by the institute in association with NSS on 25th May 2022.

(Dr. V. K. Patki)
Head
Department of Civil Engineering