

# PAVE PULSE

Perspectives, Advancements &  
Visionary Explorations in Civil Engineering

(2024-25)

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**TULSIRAMJI GAIKWAD-PATIL**  
**College of Engineering & Technology**

Approved by AICTE, New Delhi and Govt. of Maharashtra | An ISO 9001:2015 Certified Institution  
Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur



— AN AUTONOMOUS INSTITUTE —

## Vision of the Institute

To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management.

## Mission of the Institute

To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.

To provide facilities and services to meet the challenges of Industry and Society.

To facilitate socially responsive research, innovation and entrepreneurship.

To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

## Vision of the Department

To forge learning Center of Excellence in the field of Civil Engineering.

## Mission of the Department

To promote academic and ethical development while upholding high standards.

To provide advance facilities with the skills needed to face Industry and societal challenges.

To promote socially responsible research, innovation, and entrepreneurship in the field of Civil Engineering.

To foster the holistic development of both students and faculty members by inculcating a blend of knowledge and professional work methods for overall progress.



## PEO's

Graduates will be able to

**PEO1** : Analyse and design civil engineering structures while keeping social awareness and ethical responsibilities in mind.

**PEO2** : Demonstrate leadership abilities in supporting sustainable practices in Civil Engineering.

**PEO3** : Exhibit a commitment to lifelong learning, staying updated on developing technologies and industry trends, and adjusting to the evolving world of Civil Engineering.

**PEO4** : Executing Proficiency in creative problem-solving and innovation, demonstrating an entrepreneurial attitude within the context of Civil Engineering.

## PSO's

Graduates will be able to

**PSO 1:** Competency to manage large infrastructure projects while providing safe and cost-effective project execution, along with expertise of rapid construction and project management.

**PSO 2:** Plan, execute, manage, maintain and rehabilitate civil engineering systems and processes.

**PSO 3:** Apply innovative construction and management techniques to compete with modern structural design and construction within the budget and time frame.



## PO's

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) was established in the year 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self financed Private Engineering College, which is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) Nagpur and is approved by All India Council for Technical Education, New Delhi. Also college is approved by Directorate of Technical Education (DTE), Mumbai, Maharashtra State. The Institute is Accredited with A+ (3.32 CGPA) by NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC). An Autonomous Institute affiliated to RTM Nagpur University, Nagpur.

The College offers four years UG programs in Nine disciplines of engineering viz. Bio-Technology (B.Tech), Aeronautical Engineering (AE), Computer Science and Engineering (CSE), Information Technology (IT), Electronics and Communication Engineering (ECE), Mechanical Engineering (ME), Civil Engineering (CE), Electrical Engineering (EE) Computer Science and Engineering (Data Science).

TGPCET offers Eight PG programs in engineering viz. Computer Science and Engineering (CSE), Integrated Power System (IPS), Structural Engineering (SE), Electronics and Communication Engineering (ECE), Artificial Intelligence, Machine Learning (AIML) & Mechanical Engineering design (MED), Aeronautical Engineering (AERO) and Electric Vehicle (EVT) and also offers Two years PG programs in Master of Business Administration (MBA) as well as Two years Master in Computer Application (MCA).

In addition TGPCET conducts three years Diploma programs in six disciplines of engineering such as Civil Engineering (CE), Mechanical Engineering (ME), Computer Science and Engineering (CSE) and Electrical Engineering (EE), Electronics and Communication Engineering (ECE) and Information Technology (IT).

College is located in the midst of Multimodal International Cargo Hub and Airport (MIHAN) and also in the vicinity of Butibori Industrial area, Nagpur.

This sanstha is started by the dedicated and renowned academicians genuinely committed to impart quality technical education to the students, who are aspiring for carrier in Engineering, Technology and Management.

College offers additional courses beyond syllabus to expose the students towards the industrial climate by conducting courses in C++ with PYTHON, C#.NET, Java, Oracle-SQL and Administration, CCNA, PLC SCADA, MATLAB, AUTOCAD, STAAD PRO, CREO, PHP.

The college has signed MoU with Charusat University, Gujrat Dr. Panjabrao Deshmukh Krishi Vidyapeeth (PDKV), Akola and Vignan's University, Guntur to excel the academic and research capability of staff and students in the emerging fields of Science, Engineering and Agriculture.





## About us

TGPCET develops the attitude towards equality, fraternity, liberty, justice and respect for all sections of society. College has continuously risen in popularity amongst the aspiring students and parents and has become a preferred choice for taking admissions due to availability of elegant and vast infrastructure facilities, dedicated staff members, who provides holistic quality education.

The college is guided by its Advisory Committee consisting of Eminent Academician from Prestigious Institutes and also by the Renowned Industrialists. The institute works towards excellence in imparting quality technical education by motivating students to become a trend-setter to acquire Global leadership. For implementing the quality policy, an action plan is collectively prepared by the Principal and HoDs as per the vision of the Management and the Management regularly interacts with the Principal to review the implementation process of the quality plans.

ABP News had honored with an Award to TGPCET as "An Outstanding Institute (West)" in the year 2015. It also got feather in the cap in Academics by getting an Award from Big Research as "A Most Promising Engineering College" in the Vidarbha Region of Maharashtra in the year 2012.





## About Department

Department of Civil Engineering was established in 2009 with a degree course in Civil Engineering with an intake of 60 students for graduate course & later on intake of 30 students for Post graduation in Structural Engineering and 60 students for Diploma in civil Engineering. Civil Engineering is considered as one of the oldest engineering disciplines. Civil Engineering involves planning, designing and executing structural works. The profession deals with a wide variety of engineering tasks including designing, supervision and constructional activities of public works like roads, bridges, tunnels, buildings, airports, dams, water works, sewage systems, ports etc. and offers a multitude of challenging career opportunities. The Department is dedicated to consultancy, educational research, and an exposure of students to the trends of development in the field of Planning, Designing & Execution to meet the needs of the construction industry, consultancies and research organizations in India and abroad. The department of Civil Engineering in TGPCET possesses a faculty team of experienced & well-qualified professors, well acquainted with deep subject knowledge, commitment to disseminate quality & value-based education in technical subjects. All faculties work hard on student to meet the requirement of market and groom the student to be job friendly.

## Way of Learning:

Beyond the regular academic classes and activities, the department also is active in: -

1. Class room demonstrations, videos, LCD presentations of their course modules and latest trends in civil engineering supplement the curriculum.
2. A wide Scope for research & development is encouraged to provide better employment opportunities.
3. IEI student's chapter is installed through which lectures of eminent engineers, workshops, seminars and short term training programs are organized. IEI also provides funds for the research activities.
4. Field visits are arranged for the early exposure to industries for students.

## Major Groups / Areas:

1. Structural Engineering.
2. Computer Aided Analysis and Design.
3. Concrete Technology.
4. Surveying.
5. Project feasibility.

## Expertise in Research and Consultancy:

1. Analysis and Design of Structures.
2. Testing of Concrete, Building materials and Metals.
3. Concrete Composites, Mix Design etc.





**Dear Esteemed Readers,**

It is with great pleasure and pride that I extend my warmest greetings to you through the pages of this esteemed technical magazine. As the Head of the Civil Engineering Department, I am thrilled to share some of the extraordinary accomplishments that our department has achieved over the past year.

Our commitment to excellence in education and research is reflected in the numerous accolades earned by both our students and faculty members. One noteworthy achievement is the successful completion of NPTEL (National Programme on Technology Enhanced Learning) courses by a significant number of our students. This accomplishment not only showcases the dedication of our students but also speaks volumes about the quality of education and resources provided by our department.

In addition to individual successes, our department takes pride in securing copyrights for innovative research and projects undertaken by our faculty members. These copyrights not only validate the uniqueness of our contributions but also pave the way for further advancements in the field of civil engineering.

I am delighted to announce that our department has consistently produced university toppers, exemplifying the academic prowess of our students. This is a testament to the high standards we maintain in our teaching methodologies, as well as the continuous support provided to our students to help them excel in their academic pursuits.

Furthermore, our faculty members have actively engaged in cutting-edge research, contributing significantly to the body of knowledge in civil engineering. Their research endeavors have not only garnered attention within our academic community but have also made a valuable impact on the wider field.

As we celebrate these achievements, it is important to recognize that they would not have been possible without the collective efforts of our dedicated students, passionate faculty members, and the unwavering support from the institute administration and management.

Looking ahead, we remain committed to fostering an environment of innovation, excellence, and continuous learning within our department. We are determined to build on our successes and overcome new challenges, with the ultimate goal of contributing meaningfully to the advancement of civil engineering.

I extend my heartfelt gratitude to everyone who has been a part of this incredible journey, and I invite you to delve into the pages of this magazine to explore the depth of our achievements and the promising future that lies ahead.

Warm regards,

**Dr. Snehal Abhyankar**

Head of the Civil Engineering Department

Tulsiramji Gaikwad Patil College of Engineering and Technology, Nagpur



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## Student Corner: Student Research Topics (Group-A) 8<sup>th</sup> semester

Sr. No.	Student Name	Research Project Topic	Mentor-Guide Name
1	Mayur Shankar Barapatre	3D Printing Technology in Construction Industry	Prof. Mohitsingh Katoch
2	Juhi Raghunath Ramteke	Futata Lake – Case study	
3	Gaurav Damodhar Kadate	Latest Advancements in Tunnel Building Technology	
4	Yogesh Pradiprao Kakade	Use of AI in Civil Engineering	Prof. Sanjay Bhadke
5	Tushar Satyawar Kowe	Precast Concrete Construction	
6	Chhakuli Umaji Meshram	Use of Bamboo as Building Material	
7	Mahesh Gangadhar Naktode	Uses, Features & Application of Drone Technology In Civil Construction	
8	Bhimrao Sainath Panewar	Use of Asphalt Materials in Advanced Civil Engineering	Dr. Aasif Baig
9	Shamsundar Gajanan Panewar	Traffic Analysis & Pavement Evaluation	
10	Nikhil Amirchand Patle	Green Building Technology	
11	Pranali Suresh Nindekar	Recent Advancements in Underwater Construction Techniques	
12	Neha Sahadev Rathod	Earthquake Resistant Design Techniques	Dr. Snehal Abhyankar
13	Pranay Ravindra Tekam	Latest Technologies to Improve Soil Strength	
14	Vedanti Kishor Walde	Kinetic Road Technology	Prof. Rishabh Mahure
15	Mukul Pramod Walke	Application of Automation & Robotics in Civil Engineering	
16	Shubham Nimbrao Warkade	Use of Pervious Concrete for Outdoor Paver Blocks	
17	Dnyandip Sheshrao Wasekar	Advance Earthquake Techniques	Prof. Divyani Harpal
18	Yash Pramod Yende	Modeling of Multistorey Building using BIM	
19	Sakshi Gajanan Wadekar	Solving Water logging Problem using Plastic Road	





## Student Corner: Student 1-semester Internship (Group-B) 8<sup>th</sup> semester

Sr. No.	Student Name	Internship Details	Institute Mentor Name	
1	Samyak Bansod	Deepak D. Mankar, DCRE Consulting Civil Engineer Gadchandur: Road Construction and Safety protocols	Prof. Hiteshkumar Mishra	
2	Kunal Chopkar	SHIV-INFRA Nagpur: G+6 Residential Building		
5	Chetan Atala	Nimish Patankar RCC and Steel Consultants: Design Of A G+1 Residential Building Using AutoCAD And Staad Pro		
7	Omkar Pahade	PWD Nagpur: Design and analysis of a G+5 public building		
8	Piyush Pandey	SHIV-INFRA Nagpur: G+6 Residential Building		
9	Aashay Jambhulkar	Pillewar Construction Nagpur: Duplex Buildings / Residential Buildings		
10	Sharvil Lokhande			
11	Vijay Rathod	Miral Infrastructure Kalmeshwar: LHS Project		Dr. Aasif Baig
12	Srushti Gondane	PWD Nagpur: Design and analysis of a G+5 public building		
13	Vikas Bagde	PWD Katol: Construction of Rigid Pavement		
14	Nandini Dhawale	PWD Nagpur: Design and analysis of a G+5 public building		
15	Chetan Bhojar	R. S. Construction Bhopal: G+4 Residential Building		
16	Chakor Barapatre	JP Enterprises Wadi, Nagpur: Case study on design and construction of Nagpur-Amravati road	Prof. Sanjay Bhadke	
19	Priyanshu Lanjewar	Yerne Construction PVT. Ltd Nagbhir, Chandrapur: Construction of Overhead water tank		
20	Ashutosh Wase	PWD Nagpur: Case Study of G+16 Construction of SAARTHI Boys and Girls Hostel Building	Prof. Rishabh Mahure	
21	Purshottam Fendar			
22	Shubham Sharnagat			
23	Rohit Bisen			
24	Aashishkumar Tarole			
25	Harish Bahekar			
26	Raunak Shahare			
27	KalpeshKumar Tembhare	Sarvesh Construction Gondia: Case study-Erection of warehouse		



## Research corner: Faculty Achievements

Sr. No.	Name of Faculty	Activity	Topic of Research	Details	Award / Prize
1.	Dr. Snehal Abhyankar	Patent	IOT Based Ultrasonic Concrete Mixing Machine	428848-001	Published
	Dr Amey Khedikar				
	Dr. Sandeep Gaikwad				
	Prof. Sanjay Bhadke				
	Prof. Divyani Harpal				
	Prof. Mohitsingh Katoch				
	Prof. Komal Meshram				
	Prof. Rishabh Mahure				
	Prof. Mrunali Makode				
	Prof. Hiteshkumar Mishra				
2.	Prof. Girish Sawai	Copy Right	Seismic response reduction of R.C. structures using multiple types of bracing framework using STAAD Pro	L- 155598/2024	Certificate
3.	Dr. Snehal Abhyankar, Dr. Premanand Naktode, Ms. Mrunali Makode	Copy Right	Seismic Activities	L-156296/2024	Certificate
4.	Dr. Aasif Baig	Online Certification	The Indian Society for Technical Education	141343	Certificate
5.	Prof. Divyani Harpal	Online Certification	The Indian Society for Technical Education	141344	Certificate
6.	Prof. Komal Meshram	Online Certification	The Indian Society for Technical Education	141346	Certificate
7.	Prof. Mrunali Makode	Online Certification	The Indian Society for Technical Education	141347	Certificate
8.	Prof. Hiteshkumar Mishra	Online Certification	The Indian Society for Technical Education	141349	Certificate



9.	Prof. Mohitsingh Katoch	Online Certification	Tech Trainers and Tester Pune	OLP/17/1	Certificate
10.	Prof. Mrunali Makode Prof. Rishabh Mahure Dr. Snehal Abhyankar	Copy Right	Analysis condition assessment and strengthening of 32 years old RCC building	L-157828/2024	Certificate
11.	Dr. Snehal Abhyankar	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
12.	Dr. Amey Khedikar	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
13.	Dr. Aasif Baig	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
14.	Prof. Sanjay Bhadke	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
15.	Prof. Divyani Harpal	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
16.	Prof. Komal Meshram	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
17.	Prof. Rishabh Mahure	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
18.	Prof. Mrunali Makode	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
19.	Prof. Hiteshkumar Mishra	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
20.	Prof. Rutuja Sawarkar	Online Certification	NEP 2020 Orientation and Sensitization Programme	-----	Certificate
21.	Prof. Sanjay Bhadke Dr. Aasif Baig Prof. Amol Barde	Copy Right	Experimental Investigation of Mechanical Properties of Concrete by Adopting Bubble Deck Technology	L-158172/2024	Certificate



## Technical Events

Sr. No.	Activity	Details of Activity	Resource Person/Address and Contact Number	Date of Conduction	No. of Participants
1	IWWA Monthly Guest Lecture Series	"Historical Water Resources Management of India"	Dr. Ashwini Mirajkar, Associate Professor, Dept. of Civil Engg., VNIT Nagpur	31.07.2024	11
2	Site Visit	Maha-Metro Bhawan Nagpur	Mr. Akhilesh Halve, DGM (CC) Maha-Metro Rail Corporation, Nagpur	02.08.2024	55
3	Forum Reinstallation, Students' Chapter Reformation, Students Felicitation & Expert Lecture	ARTEX Forum Reinstallation, IWWA Students' Chapter Reformation, Students Felicitation & Expert Lecture	Dr. O. N. Mukherjee, Chairman, Dr. P. K. Jain Vice Chairman and Dr. Isha Khedikar, Secretary (IWWA Nagpur Centre)	07.08.2024	135
4	IWWA Monthly Guest Lecture Series	Dr. A. G. Bhole Endowment Lecture on "Occurrence of Per-and Polyfluoroalkyl Substances (PFAS) in Drinking Water - Mapping, Monitoring and Mitigation"	Dr. Sudrashan Kurwadkar, Profesor, Civil & Environmental Engineering, California State University, Fullerton (USA)	20.08.2024	10
5	Industrial Site Visit	Bhandewadi Sewage Treatment Plant	Mr. Vinay Wadgaonkar (Plant Manager) & Mr. Ashish Charjan	04.09.2024	30
6	IWWA Monthly Guest Lecture Series	"Universal Human Values in Holistic Education"	Dr. Sandip P. Tatewar, Ex Professor & Head Civil Engineering Department, Government Engineering College, Amravati	04.09.2024	8
7	Guest Lecture	"Advances in Civil Engineering Softwares - BIM"	Mr. Sarang Pimpalkar and Mr. Nikhil Dhawale, Senior BIM consultants, Nagpur	13.09.2024	17





Sr. No.	Activity	Details of Activity	Resource Person/Address and Contact Number	Date of Conduction	No. of Participants
8	Site visit	CSIR-NEERI, Nagpur	Mr. Prakash Kumbhare, Senior Principal Scientist	04.10.2024	11
9	Site visit	RCC Building Construction Site, Prashant nagar, Ajni, Nagpur	Mr. Navin Tikhe and Mr. Avishdhomane, (Site Engineer) Yash Infraventures	08.10.2024	55
10	IWWA Monthly Guest Lecture Series	"Late Dr. S. S. Kulkarni Memorial Lecture" on "Structural Design of Water Retaining Structures with Case Studies"	Dr. Minal Dehadrai, Director, Aquades Structural Consultants (P) Ltd.	21.10.2024	135
11	Guest Lecture for B.Tech 1st year students	"Exploring Collaborative Educational & Research Opportunities in USA"	Dr. Sudarshan T. Kurwadkar, Professor at Department of Civil & Environmental Engineering, California State University, Fullerton (USA)	13.11.2024	10
12	IWWA Monthly Guest Lecture Series	Late Shri D. V. Date Memorial Lecture on "Circular Economy in Wastewater Treatment"	Dr. Girish Pophali, Chief Scientist, CSIR-NEERI, Nagpur	22.11.2024	30



## Students' Participation/ Achievements

Sr. No.	Name of Student	Name of Events	Details of Activity	Event Organized By / Date of Conduction	Position/ Remark	Awards & Prizes
1	Pranali Rupchand Kothekar	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE + SILVER	75 %
2	Aarya Raju Shahare	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	73 %
3	Piyush Vijay Lokhande	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	72 %
4	Kalyani Chandrakant Rambhad	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	67 %
5	Mayuri Lade	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	67 %
6	Vansh Thool	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	64 %
7	Sakshi Mukunda Ghyar	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	63 %
8	Payal Jagannath There	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	63 %
9	Shweta Baban Ramteke	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	ELITE	62 %
10	Anil Satish Modi	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	PASS	58 %
11	Aditya Prabhudas Lokhande	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	PASS	58 %
12	Sujal Mirche	NPTEL	Building Materials as a Cornerstone to Sustainability	Jul-Oct 2024	PASS	56 %
13	Ritik Digambar Meshram	YIN Kala Mahotsav 2024	Singing Competition	Priyadarshini Bhagwati College of Engineering	Participation	-
14	Ritik Meshram	ELECTRI CCA 24.0	Talent Hunt	Department of Electrical Engineering YCCE, Nagpur (23-25 August 2024)	Participation	-
15	Ritik Digambar Meshram	National Science Day	Oral Presentation Competition on Know the Science Nobel Laureates	Department of Applied Science and Humanities, YCCE, Nagpur (22 February 2023)	Participation	-



16	Ritik Digambar Meshram	AutoCAD-2D (Workshop)	AutoCAD-2D (Workshop) LERAN DELTA	Learn Delta Institute (8 <sup>th</sup> June 2023)	Completed	A Grade
17	Ritik Meshram	ICON 24.0	Talent Bling ICON 24.0 The Technical Event	Department of ETC and EE YCCE TECHFEST (23 <sup>rd</sup> , 24 <sup>th</sup> And 25 <sup>th</sup> August)	Participation	-
18	Ritik Digambar Meshram	Singing Competition (Solo)	Youth-Tech Connect 2024	Suryodaya College of Engineering & Technology, Nagpur (20-25 February 2024)	Winner	Rockstar Award
19	Mahesh Napte	Sport	43 Junior Kabaddi League Under-19 League Kabaddi Championship - 2024	Kabaddi Federation of Pune Kabaddi Federation of INDIA (2 <sup>nd</sup> -16 <sup>th</sup> August)	Winner	1 <sup>st</sup> Position
20	Aditya P. Lokhande	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
21	Piyush V. Lokhande	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
22	Hariom V. Rohankar	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-



23	Sujal D. Mirche	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
24	Ashik L. Gaupale	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
25	Aditya Lokhande	Course Certificate	Interview Skill Course Certificate	TCS Tata Consultancy Services (20 <sup>th</sup> August - 27 <sup>th</sup> September)	Participation	-
26	Pranali R. Kothekar	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
27	Pratiksha Somankar	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
28	Ayush Soni	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-





29	Rohit L. Raut	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
30	Shambhu A. Agase	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
31	Vikas S. Bhelawe	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
32	Riya M. Sewatkar	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
33	Ram A. Lande	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
34	Ritik D. Meshram	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-



35	Santosh N. Lakhade	Natural Disaster and Disaster Management	Natural Disaster and Disaster Management on 30 <sup>th</sup> August 2024	Department of Disaster Management, Relief and Rehabilitation (30 <sup>th</sup> August 2024)	Participation	-
36	Maithili Mothe	International Level Sports	International Tennis Sports	International Tennis Federation	ITF Junior Player	-
37	Ritik Meshram	ELECTRICA 24.0	Talent Hunt	Department of Electrical Engineering YCCE, Nagpur (23-25 August 2024)	Winner	3 <sup>rd</sup> Position
38	Shree Abhijit Choudhary	International Level Sport	International Cricket Sports	International Cricket	Cricket Player	-
39	Rutik Meshram	State Level Singing Competition	Akola Idol Season 3 State Level Singing Competition	Yuva Vicharpith & Department of Music, Shri Shivaji Arts, Commerce & Science College, Akola.	Participation	-

**Elite NPTEL ONLINE CERTIFICATION**  
(Funded by the MHE, Govt. of India)

This certificate is awarded to **PRANALI RUPCHAND KOTHEKAR** for successfully completing the course **Building Materials as a Cornerstone to Sustainability** with a consolidated score of **75 %**  
 Online Assignments | 20.3125 | Proctored Exam | 54.6875  
 Total number of candidates certified in this course: 1608

Jul-Oct 2024 (12 week course)  
 Prof. Anshu Thangraj, IIT Madras  
 Prof. Vijayash Mulvanujan, IIT Madras

Indian Institute of Technology Madras | swayam

Roll No: NPTEL24AR2553106134 | To verify the certificate | No. of credits recommended: 3 of 4

आर्य समाज, अकोला  
 आयोजित करण्यात आलेला  
 महाराष्ट्र शासन

**अखोला इडल**

महाराष्ट्र शासनच्या आर्य समाजाच्या, महान व पुढेकार विभागाच्या, आयोजित केलेल्या अखोला इडल स्पर्धेत यशस्वीपणे भाग घेतून प्रथम स्थान प्राप्त करून घेतले. या यशस्वी कामगिरीबद्दल, आपला अभिनंदन करतो. आपला अभिनंदन करतो. आपला अभिनंदन करतो.

अखोला इडल  
 आयोजित करण्यात आलेला  
 महाराष्ट्र शासन

अखोला इडल  
 आयोजित करण्यात आलेला  
 महाराष्ट्र शासन

**YIN कला महोत्सव 2024**

विद्यार्थी  
 In Association with  
 Focus

Participation Certificate

Mr/Ms - **RUTIK JIJAMBAR MESHRAM**

Thank you for your participation at the **YIN Kala Mahotsav 2024**. Each of you is an integral part of our YIN family, and together, we will continue to make great progress in our own community and with the YIN Strategic Planning efforts for the good of our country and the world!

Mr. Prakash Kulkarni, Head of College, Sakal Media Group, Yashoda  
 Mr. Anurag Deshpande, General Manager, (Business) Yashoda Region  
 Mr. Shyamkumar Mhatre, Senior Manager, YIN, Maharashtra

**Elite NPTEL ONLINE CERTIFICATION**  
(Funded by the MHE, Govt. of India)

This certificate is awarded to **AARYA RAJU SHAHARE** for successfully completing the course **Building Materials as a Cornerstone to Sustainability** with a consolidated score of **73 %**  
 Online Assignments | 16.2925 | Proctored Exam | 56.6375  
 Total number of candidates certified in this course: 1608

Jul-Oct 2024 (12 week course)  
 Prof. Anshu Thangraj, IIT Madras  
 Prof. Vijayash Mulvanujan, IIT Madras

Indian Institute of Technology Madras | swayam

Roll No: NPTEL24AR25533106139 | To verify the certificate | No. of credits recommended: 3 of 4

*Glory of Akola...*

**Akhola Idol Certificate**

Of Appreciation

This is To Certify That **Mr/Ms. Rutik Meshram** participated in Akhola Idol Season-3 State Level Singing Competition 2024. Organized By Yuva Vicharpith & Department Of Music, Shri Shivaji Arts, Commerce & Science College, Akola, In The Memory Of Late Shri H.B.D. Vaidudeora Bhowde (Guruji)

Dr. Prof. Harshad Chavan, Head of Department Music, Shri Shivaji Arts, Akola  
 Mrs. Smita B. Agrawal, General & In-charge, Yuva Vicharpith  
 Prof. Nitish M. Dhanraj, Head of Department Music, Shri Shivaji Arts, Akola

**43 JUNIOR KABBADI LEAGUE UNDER-19 League Kabbadi Championship - 2024**

ORGANIZED BY  
 KABBADI FEDERATION OF PUNE (Regd.)  
 KABBADI FEDERATION OF INDIA (Regd.)  
 NOC / PERMISSION BY MINISTRY OF SPORTS, GOVT OF INDIA

**CERTIFICATE**

CERT No.:

Certificate that Mr. **Maheesh Napte** S/O Smt./ Sh. **Prakash Napte** has represented state / country **Maharashtra** and participation as a Player/Coach Manager/ Official in the 43 rd Junior Kabbadi League Under-19 Junior Kabbadi League Championship from 2nd August to 16 th August at Pune. (Maharashtra)

His Team Position is **1st**

**SABIRAO CHANDERE**, President, Kabbadi Federation Of India  
**AMARJIT KUMAR**, Hon'ble General Secretary, Kabbadi Federation of India

## Faculty Achievements (Swayam - NPTEL)

Sr. No.	Name of Staff Member	Course Name	Duration	Remarks
1.	Dr. Amey Khedikar	Educational Leadership	Jul-Oct 2024 (12 weeks)	Elite + Gold
2.		Training of Trainers	Jul-Oct 2024 (12 weeks)	Elite + Silver
3.		Technical Communication for Engineers	Jul-Aug 2024 (4 weeks)	Elite + Silver
4.		Organization Development and Change in 21 <sup>st</sup> Century	Jul-Sep 2024 (8 weeks)	Elite
5.	Prof. Mohitsingh Katoch	Sustainable Energy Technology	Jul-Oct 2024 (12 weeks)	Elite (Topper - Top 5%)
6.		Basic Environmental Engineering and Pollution Abatement	Jul-Oct 2024 (12 weeks)	Elite



# Faculty Achievements (NPTEL - Glimpses)

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR AMEY KHEDIKAR**  
for successfully completing the course

**Educational Leadership**

with a consolidated score of **93** %

Online Assignments	24.38/25	Proctored Exam	69/75
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Total number of candidates certified in this course: **2236**

Jul-Oct 2024  
(12 week course)

Prof. Holimanti Barerji  
Coordinator, NPTEL  
IIT Kharagpur

Indian Institute of Technology Kharagpur

Roll No: NPTEL24HS15961053101807 To verify the certificate No. of credits recommended: 3 or 4

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR AMEY KHEDIKAR**  
for successfully completing the course

**Training of Trainers**

with a consolidated score of **80** %

Online Assignments	24.08/25	Proctored Exam	55.5/75
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Total number of candidates certified in this course: **2162**

Jul-Oct 2024  
(12 week course)

Prof. Kaushik Ghosh,  
Professor (Chemistry)  
Coordinator, IITC

Prof. Ranjana Pathania,  
Professor (CSSE)  
Coordinator, NPTEL

Indian Institute of Technology Roorkee

Roll No: NPTEL24MG888453101686 To verify the certificate No. of credits recommended: 3 or 4

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR AMEY KHEDIKAR**  
for successfully completing the course

**Technical Communication for Engineers**

with a consolidated score of **79** %

Online Assignments	21.67/25	Proctored Exam	57/75
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Total number of candidates certified in this course: **2037**

Jul-Aug 2024  
(4 week course)

Prof. Kaushik Ghosh,  
Professor (Chemistry)  
Coordinator, IITC

Prof. Ranjana Pathania,  
Professor (CSSE)  
Coordinator, NPTEL

Indian Institute of Technology Roorkee

Roll No: NPTEL24GE37S142400059 To verify the certificate No. of credits recommended: 1 or 2

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR AMEY KHEDIKAR**  
for successfully completing the course

**Organization Development and Change in 21st Century**

with a consolidated score of **64** %

Online Assignments	20.25/25	Proctored Exam	43.49/75
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Total number of candidates certified in this course: **404**

Jul-Sep 2024  
(8 week course)

Prof. Sridhar Iyer  
Head, COEP & NPTEL, Coordinator  
IIT Bombay

Indian Institute of Technology Bombay

Roll No: NPTEL24MG74S242400060 To verify the certificate No. of credits recommended: 2 or 3

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**MOHITSINGH KATOCH**  
for successfully completing the course

**Sustainable Energy Technology**

with a consolidated score of **73** %

Online Assignments	20.85/25	Proctored Exam	52.5/75
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Total number of candidates certified in this course: **898**

Jul-Oct 2024  
(12 week course)

Prof. G Umashankar  
Chairperson, Centre for Curricular Education (CCE)  
IIT Hyderabad

Prof. Anand Thangaraj  
NPTEL, Coordinator  
IIT Madras

Indian Institute of Technology Hyderabad

Roll No: NPTEL24ME144S1053101296 To verify the certificate No. of credits recommended: 3 or 4

**Elite**

**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**MOHITSINGH KATOCH**  
for successfully completing the course

**Basic Environmental Engineering and Pollution Abatement**

with a consolidated score of **72** %

Online Assignments	24.06/25	Proctored Exam	47.45/75
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Total number of candidates certified in this course: **1176**

Jul-Oct 2024  
(12 week course)

Prof. Kaushik Ghosh,  
Professor (Chemistry)  
Coordinator, IITC

Prof. Ranjana Pathania,  
Professor (CSSE)  
Coordinator, NPTEL

Indian Institute of Technology Roorkee

Roll No: NPTEL24CH53S453101324 To verify the certificate No. of credits recommended: 3 or 4

