

Shri. Shamrao Patil (Yadravkar) Educational & Charitable Trust's

**Sharad Institute of Technology  
Polytechnic, Yadrav-Ichalkaranji.**



**Program-Civil Engineering  
Newsletter (Winter-19)  
(Issue:6; Vol:I)**



## Principal's Message...



I feel very much pleased to know that Civil Engineering program is coming out with its maiden newsletter to provide a platform for student's creativity which they display in program events. I express my best wishes to their novel initiative to enhance the program performance by providing new foundation to achievements of students and faculty. I wish that they will carry on publication on flag shipping their deeds in newsletter.

## From the HOD's Desk.....



Sharad Institute of Technology, Polytechnic has always been dedicated in its effort in bringing dynamism into lives of every student. The Civil engineering program is committed to foster in its students the pursuit of individual excellence and participation in the academic, spiritual, cultural & social Activities to make them evolve as all- rounder. Learning should be based on doing things and not merely knowing things. The knowledge that you gain, the fine qualities that you imbibe and the technical skills that you learn to apply will be your major contribution to your parents, to the society and to the nation. It gives me immense pleasure to come up with yet another issue of program newsletter. I congratulate all the team members for their constant efforts in launching this news letter. I am also very grateful to our Management & Principal for their valuable support and encouragement.

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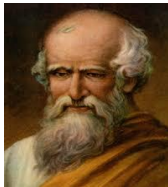
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## Faculty of Program

Sr No	Faculty name	Qualification	Designation
1	Mr.B.S. Tashildar	M.tech structure	Principal
2	Mr.A.B.Jadhav	ME CM	H.O.D
3	Mr.S.K.Bhavikatti	BE civil	Lecturer
4	Mr.P.D.Patil	BE civil	Lecturer
5	Mr.M.K.Chavan	BE civil	Lecturer
6	Mr.C.S.Desai	BE civil	Lecturer
7	Mr.P.S.Sutar	BE Civil	Lecturer
8	MS.P.V.Kalyani	BE Civil	Lecturer
9	Ms.S.D.Padwal	BE Civil	Lecturer
10	Mr.N.T.Kamble	D.C.E	Lab Asst.
11	Mr.M.S.Patil	BE Civil	Lab Asst.



## Vision and Mission of The Institute

### Vision

“To be a center of excellence in technical education by using cutting edge technology that produces competent engineers of today and tomorrow to serve the society.”

### Mission

- ❖ To impart quality education by implementing state-of-the-art teaching-learning methods to enrich the academic competency, credibility and integrity of the students.
- ❖ To facilitate a conducive ambience and infrastructure to develop professional skills and nurture innovation in students.
- ❖ To inculcate sensitivity towards society, respect for environment and promote high standards of ethics.

### Quality Policy

We at Sharad Institute of Technology, Polytechnic strive to achieve stakeholder satisfaction by providing quality education and training in science, engineering and technology in a pleasant and disciplined environment through.

- ❖ Involvement at all levels
- ❖ Up gradation of facilities and human resources
- ❖ Commitment to continual improvement

## About Program

Sharad Institute of Technology Polytechnic, Yadrav was established in 2008 and Program of civil Engineering is part of the institute since its inception. The Program activities embrace planning, design, construction and management. The Program has developed strong interaction with the construction industry. Many of the faculty members have completed their post-graduation. Besides high quality teaching Program is actively involved in consultancy. It undertakes industrial consultancy work as a part of its interaction with industry and also organizes seminars for professional interaction. Many of our alumni hold prestigious position in leading academic institutions, industry and government. The Program contributes to the interdisciplinary academic and various activities of the institute.

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### Program Educational Objectives

- ❖ The student will be able to succeed in their career by pursuing higher studies.
- ❖ The student will be able to exhibit sound foundation in domain knowledge.
- ❖ The student will be able to demonstrate professional skills through effective communication, teamwork, multidisciplinary approach and ethical behavior with concern to society and environment.

## PROGRAM OUTCOMES (POs)

- 1. Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- 2. Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
- 3. Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
- 4. Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- 5. Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- 6. Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- 7. Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

## PROGRAM SPECIFIC OUTCOMES (PSOs)

- PSO1:** Perform optimal civil engineering construction, planning and designing activities of desired quality at optima cost.
- PSO2:** Execute civil engineering construction and maintenance using relevant materials and equipments.

## Our proud, our Toppers...



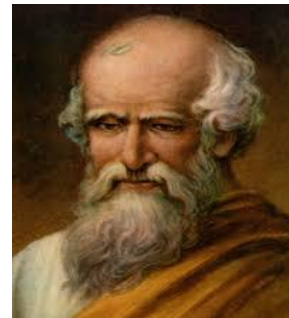
Sr. No.	Name of student	Percentage
1	Jugale Smruti Ramesh	93.60
2	Punde Rutuja Yogesh	90
3	Shinde Shankar Navnath	89.30
4	Mane Jitendra Ananda	89.30

## The Personality...

### Archimedes

**Born:** c.287 BC(aged approximately 75);Syracuse, Italy

**Died:** c.212 BC Syracuse, Italy



Archimedes was Greek mathematician, physicist, engineer, astronomer, and inventor from the ancient city of Syracuse in Sicily. Although few details of his life are known, he is regarded as one of the leading scientists in classical antiquity. Considered to be the greatest mathematician of ancient history, and one of the greatest of all time, Archimedes anticipated modern calculus and analysis by applying the concept of the infinitely small and the method of exhaustion to derive and rigorously prove a range of geometrical theorems, including: the area of a circle; the surface area and volume of a sphere; area of an ellipse; the area under a parabola; the volume of a segment of a paraboloid of revolution; the volume of a segment of a hyperboloid of revolution; and the area of a spiral.



## Faculty Participation

No.	Name of faculty	Name of the Training/STTP/Content Updating Programme	Place	Duration
1	Mr.B.S.Tashildar	C programming	SITP	1week
2	Mr.A.B.Jadhav	Evoution from offline toonline teaching	SPDC thane,University of mumbai	1 week
3	Mr.A.B.Jadhav	C programming	SITP	1week
4	Mr.S.K.Bhavikatti	Innovation & Upgradation in Infrastructural Technology	TEC Mumbai	1 week
5	Mr.S.K.Bhavikatti	Evaluation from offline to Online	SPDC, Thane	3 days
6	Mr.S.K.Bhavikatti	Auto CAD 2D/3D	CE SITP Yadrav	2 days
7	Mr.S.K.Bhavikatti	FDP on C++	SITP Yadrav	1 week
8	Mr.S.K.Bhavikatti	Digital Transformation in Plant Engineering	MatPO, Mumbai	1 week
9	Mr.S.K.Bhavikatti	C programming	SITP	1week
10	Mr.P.D.Patil	C programming	SITP	1week
11	Mr.M. K. Chavan	C programming	SITP	1week
12	Mr.P.S.Sutar	C programming	SITP	1week
13	Ms.P.V.Kalyani	C programming	SITP	1week
14	MS.S.D.Padwal	C programming	SITP	1week

## Faculty Paper Publications

Sr No	Name of Author	Year of Publication	Title	Journal Name	ISSN/ISBN No
1	Ms.S.D.Padwal	2020	Benchmarking to improve the inventory management system in small scale industry	International journal of scientific research in engineering and management	2582-3930
2	Ms.S.D.Padwal	2020	Application of inventory management system in small scale industry	International Research journal of engineering and technology	2395-0056
3	Mr.P.S.Sutar	2019	Use of recycled concrete aggregate for road construction	International journal of research in engineering, science and management	2581-5792

## Achievements...

### I. E.D.S.S.A.Sports

Sr.No.	Name ofTheStudent	TypeofEvent	Prize
1	Nihal Rizwan	volley boll	Runner
2	Sumit Patil	volley boll	Runner
3	Kalumbame Rohan	volley boll	Runner
4	Lale Shrenik	volley boll	Runner
5	Patil Anurag	volley boll	Runner

## Events

Sr. No.	Name ofThe Student	Venue	TypeofEvent	Prize
1	Sanket Gajabi	C.O.E Kolhapur	Auto CAD	Appreciation
2	Aalatekar Pranav	SIT Polytecnic, Yadrav	Field Master	Winner
3	Paul A. hegede	SIT Polytecnic, Yadrav	Ornate	Third
4	Ambi Krunal	SIT Polytecnic, Yadrav	Ornate	Third
5	Pragat Pachore	SIT Polytecnic, Yadrav	Technocrat	Winner



# Workshop and Guest Lectures

Sr. No.	Subject	Date	Resource Person	Class
1	Scope of Civil Engineering	28/12/2019	Mr.bajirao kamble	TY
2	Information about government exam	28/12/2019	Mr.Jitmal paladia	TY
3	Interior design	27/07/2019	Mr.Anupp.Baliphadi	SY and TY
4	Total Station	1/10/2019 to 4/10/2019	Er.Abhijeet Chavan	SY
5	Enterpernerurship Development	20/09/2019	Mr.Sanjeev R Vohra	TY



**Total Station**



**Information about government exam**

# Industrial Visits

Sr. No.	Place /Industry	Date	Class
1	Water Treatment Plant	14/09/2019	TY



## Water Treatment Plant

# CESA Activities



Guru Pournima



Teacher's Day



Teacher's Day



Visit at Flood Affected Area (Shirol)



Health Camp

## Tools You Should Know:

### STAAD Pro



STAAD Pro full form stands for Structural Analysis and Designing Program. STAAD Pro is a structural analysis & design computer program that was being developed by Research Engineers International (REL) at Yorba Linda, California in 1997. Today, STAAD Pro is one of the popular and widely used software for structural analysis and design across the globe by Civil engineers. It supports all types of various steel, concrete, and timber design codes.

Using STAAD Pro, civil engineers can design any type of structure, and later share the synchronized model data amongst the entire design team. It ensures on-time and budget-friendly completion of structures and designs related to steel, concrete, timber, aluminium, and cold-formed steel projects, irrelevant to the complexities. STAAD Pro helps structural engineers to automate their tasks by removing the tedious and long procedures of the manual methods. It allows civil engineers to analyze and design various types of structures on virtual platforms. Structural engineering firms, consultancies, various programs of construction companies, and government firms use STAAD pro extensively.

## The Great Wall of China



Location: China

Co-ordinates: 40.4319°N, 116.5704°W

Construction began: 7 Century BC

Opening date: 220 BC

Construction Cost: \$ 95 Billion

Length: 21,196 km

Media: Stones, Bricks, Lime, Tiles

The **Great Wall of China** is a series of fortifications that were built across the historical northern borders of ancient Chinese states and Imperial China as protection against various nomadic groups from the Eurasian Steppe. Several walls were built from as early as the 7th century BC, with selective stretches later joined together by Qin Shi Huang (220–206 BC), the first emperor of China. Little of the Qin wall remains. Later on, many successive dynasties built and maintained multiple stretches of border walls. The best-known sections of the wall were built by the Ming dynasty (1368–1644).

### Newsletter Committee:

Coordinator	Designation
Mr. M. K. Chavan	Lecturer
Ms. Smruti Jugale	Student