

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

Sharad Institute of Technology college Of Engineering Yadrav, Ichalkaranji

" STHAPATYA VAARTA "

THE BIENNIAL NEWSLETTER OF CIVIL ENGINEERING DEPARTMENT

(2018-2019)

Vol: 04 ISSUE: 02



INSIDE THIS ISSUE

- 1) HOD's Message
- 2) DAAB Committee
- 3) Department Activities
 - a. Guidance beyond curriculum.
 - b. Knowledge off The Campus.
 - c. FDP- 1) Research Opportunities 2) Expert talk
 - d. Our Toppers
 - e. Project Beyond Curriculum
 - f. Final Year Projects
- 4) CESA Activities So far
- 5) The Personality : Elattuvalapin Shreedharav
- 6) Techno Page:
 - a. Photovoltaic glaze
 - b. Modular Construction
- 7) CESA Committee.
- 8) News Letter Committee.

HOD's Message



Dr. B. S. Patil

I am very happy to publish this issue of departmental news letter Sthapathya Vaarta. This issue is a reflection of the activities happened in the department in last semester. The credit of combining most of activities in the form of such news letter goes to the editorial team of students. On behalf of my department I am also thankful to executive director Hon.Shri Anil Baghane & Principal Dr. S.A Khot, who are keeping us motivated all the time. Last but not least I am also very thankful to my departmental faculty member & supporting staff for doing each & everything. They did to contribute the success of the department.

DAAB committee:

Sr. No.	Name of person	Designation
1	Dr. B. S. Patil	Head of Department
2	Mr. S. A. Patil	Secretary, Academic Coordinator
3	Prof. Dr. S. N. Tande	Other Academic Institute Faculty
4	Prof. Dr. R. V. Raikar	Other Academic Institute Faculty
5	Mr. S. S. Deshpande	Industry Person Civil Engg.
6	Mr. Nitin Patil	Industry Person Civil Engg.
7	Mr. Shrenik Patil	Parent
8	Mr. Y. S. Patil	Programme Coordinator
9	Dr. K. A. Bhagate	Senior Faculty
10	Mr. S. S. Chougule	Senior Faculty Member
11	Mr. R. M. Garud	Senior Faculty Member and T.E Class Teacher
12	Mr. S. S. Magdum	S. E. Class Teacher Member
13	Mr. R. V. Jugdar	B. E. Class Teacher Member
14	Miss. Kshitija Balwan	Alumni Member
15	Mr. Vijay Kalu Khot	Alumni Member
16	Miss. Supriya Kharade	Current student B.E. Class Member
17	Mr. Rushikesh Jadhav	Current student T.E. Class Member

Departmental Activities:

Guidance beyond Curriculum:

1. "Preparation of Competitive Examinations". Mr. S. B. Kumbhar guided the students of civil department on date : 21/08/2018
2. "Opportunity for Civil Engineers in Climate Change, Sustainability and Responsible Investment Era...". Mr. Mangesh Gupte guided the students of civil department on date : 25/08/2018
3. "Awareness to Cyber Crime" Mr. P.A. Patil guided the students of civil department on date : 28/08/2018
4. "Developing Entrepreneurial Mindset" Mr. Vinay Magdum guided the students of civil department on date : 30/8/2018
5. "Introduction to Biology in Engineering" Prof. M.S.M. Ali guided the students of civil department on date : 8/9/2018
6. "Awareness to Design Competition on Auto Cad" Mr. Dhaval Bagavade guided the students of civil department on date : 25/9/2018

Knowledge off the campus

Sr. no.	Place/ Site visited	Subject
1	Water treatment plant ichalakaranji	Environmental engineering 1
2	Chandoli Dam and Power station	Fluid Mechanics2
3	Aditya Birla Cement (Ratnagiri)	Building Planning & Design
4	Mining Site Hospet (Karnataka)	Geology
5	Almatti Dam	Water Resorce Engineering 1
6	Sharad Agriculture College (jainnapur)	Water Resorce Engineering 1
7	SIT Polytechnic Yadrav	Design Steel Structure
8	KATP Tardal	Building Planning & Design
9	Mirkarwada jetty	Transportation Engineering
10	Lokmanya Balgangadhar Tilak Airport, Ratnagiri	Transportation Engineering
11	R.D.Sawant pvt .Ltd, Ratnagiri	Building Planning & Design



Ratnagiri Airport



Mirkarwad jetty

Faculty Development Programme(FDP):

1) FDP Pedagogy Initiative

A lecture series on different topics related to academics and other was organized by the Expert Talkdepartment from 13th to 17th November, 2018. The resource person

Dr.K.Ravi,

Professor (Adhoc),SITCOE

Dr.Mangesh Gupte

Consultant, Primove Infrastructure Devpt.Consultants' Pvt .Ltd.Pune

Dr.D.G.Kulkarni,

HOD,MBA Department,KLECEAT,Belagavi

Dr.Dinesh Hiremath,

Associate Professor, Department of CSE,Jain College of Engineering,Belagavi

Prof.Anil Surve

Assistant Professor,Department of CSE,
Walchand College of Engineering,Sangli

Course contents:

- Effective Teaching Methods
- Class handling
- Teaching/Learning Tools
- Hunger for Teaching
- Stress Management
- Avenues for Research Funding
- Research tips and Techniques
- Funding Agencies
- How to Write a Research Proposal
- Digital Initiatives in Higher Education
- Use of ICT Tools



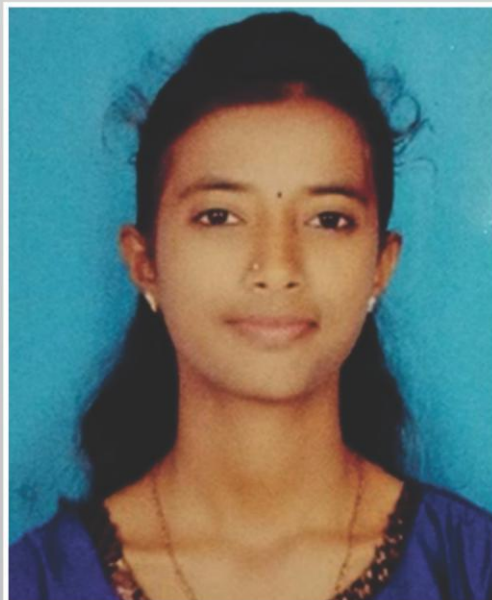
2. STTP-“Skill Enhancement On Software Microsoft Project” In Association with “CAAD CENTER” 15-octomber 2018 to 20 octomber-2018.



Our Proud Toppers



Patil Aishwairya Mahavir.
B E (Civil)



Ekata Ishwar Katti.
T E (Civil)

Projects beyond curriculam-Mini Projects:

Title	Guide
Energy efficiency building	Mr. P R Jagtap
Use of crush sand in concrete	Mr. Y S Patil
Traffic controlling system using GIS & GPS	Mr. Y S Patil
Planning of residential building on auto cad	Mr. S S Chougule
RMC plant	Mr. S S Magdum
Route zone treatment for polluted water	Mr. S A Patil
Planning of building on auto cad	Mr. M A Dhatunde
Stake out using total station	Mr. S S Chougule
Automatic highway system	Mr. S S Magdum
Door lamination	Mr. M B Pendhari
Provisional	Mr. M B Pendhari
Planning of commercial building on auto cad	Mr. S A Patil
Earthquake hazardous zone literature review of Koyna Reservoir area using GIS & GPS	Mr. M A Dhatunde
Container house	Mr. S S Chougule
Way of reducing residual chlorine	Mr. R M Garud
Earthquake resisting building	Mr. M B Pendhari
Structural audit	Mr. A B Patil
Case study on crack	Mr. S S Chougule
Model of green building using 3d max software	Mr. M B Pendhari
Water absorbing concrete	Mr. A B Patil

Projects beyond curriculum-Mini Projects:

Title	Guide
Market survey	Mr. R M Garud
Constituents of cement	Mr. A B Patil
Use of 3d printer	Mr. S S Chougule
Water absorbing concrete	Mr. A B Patil
Material cast by using plastic	Mr. A B Patil

Final Year Projects:

Designing a flyover bridge from tilak chowk to Mahasatta chowk, Ichalkaranji	Mr. S.S.Magdum
Partial replacement of ingredients of concrete and its impact on properties of concrete	Mr. S.S.Magdum
Use of recycle rubber and plastic in construction	Mr.M.B.Pendhare
Erathquake analysis of RCC building with different irregularities.	Mr.M.B.Pendhare
Use of GGBS as a partial replacement of cement in concrete.	Mr. S.S.Chougule
Design of Geodesic Dome using Software.	Dr K A Bhagate and Mr S S Chougule
Stabilisation of black cotton soil using plastic waste.	Mr S A Patil
Stabilisation of soil using geosynthetics	Mr S A Patil
waste water treatment by wetland	Mr R M Garud
Study of Bricks made from Plastic Waste	Mr R M Garud
To design a biogas plant for SITCOE canteen	Mr. M.H.Mota
To study the precast temporary structures	Mr A B Patil & Mr. R V Jugdar
Precast concrete components using plastic waste.	Mr. R V Jugdar

The personality:

Elattuvalapil Sreedharan:



Born: 12 June 1932 (age 86)

**Karukaputhur, Madras Presidency, British India
(now in Pattambi Taluk Kerala, India)**

Other names: Metro Man

Alma mater: Government Victoria College,
Palakkad, Kerala University
College of Engineering,
Kakinada, Andhra Pradesh (JNTUK)

Occupation: IES (IRSE) Officer (Retd.)

Elattuvalapil Sreedharan is an Indian civil engineer and a retired IES (IRSE) officer popularly known as the 'Metro Man'. He is credited for changing the face of public transport in India with his leadership in building the Konkan Railway and the Delhi Metro while he served as the managing director of Delhi Metro between 1995 and 2012. He was awarded the Padma Shri by the Government of India in 2001, the Padma Vibhushan in 2008, the Chevalier de la Légion d'honneur, in 2005 by the French government and was named one of Asia's Heroes by TIME magazine in 2003. Sreedharan was appointed by the former UN Secretary General Ban Ki-moon to serve on the United Nations' High Level Advisory Group on Sustainable Transport (HLAG-ST) for a period of three years in 2015. He is also a member of Mata Vaishno Devi Shrine Board.

Childhood & Early Life

E. Sreedharan was born on 12 June 1932 in Karukaputhur in the present-day Pattambi taluk, Palakkad district of Kerala state. His primary education was from Government Lower Primary School Chathannur near Pattambi in Palakkad district. He completed his education at the Basel Evangelical Mission Higher Secondary School and then went to the Victoria College in Palghat. He later-on completed his Civil Engineering degree from the Government Engineering College, Kakinada, Andhra Pradesh, presently known as JNTU.

Photovoltaic glaze:

Building integrated photovoltaic (BIPV) glazing can help , by turning the whole building envelope into a solar panel. Companies such as Polysolar provide transparent photovoltaic glass as a structural building material, forming windows, façades and roofs. Polysolar's technology is efficient at producing energy even on north-facing, vertical walls and its high performance at raised temperatures means it can be double glazed or insulated directly. As well as saving on energy bills and earning feed-in tariff revenues, its cost is only marginal over traditional glass, since construction and framework costs remain, while cladding and shading system costs are replaced.



Modular Construction

Modular construction is increasingly popular where a building is constructed off-site using the same materials and designed to the same standards as conventional on-site construction. It limits environmental disruption, delivering components as and when needed, and turning construction into a logistics exercise. It also has strong sustainability benefits, from fewer vehicle movements to less waste. With up to 70 per cent of a building produced as components, it allows a move towards “just in time” manufacturing and delivery. In use in the United States and UK, Chinese developer Broad Sustainable Building recently completed a 57-storey skyscraper in 19 working days using this method.



CESA Committee:

Faculty co-ordinator
Mr. R.V.Jugdar

President
Akshay Mane

Vice President
Kaushik Shaha

Treasurer
Aditya Shinde

Secretary
Jayvardhan patil

CESA Activities:

CESA Re-Installation
Teachers day
Guru Pournima
Water testing camp
Nirmala collection



Newsletter Committee:

Faculty Coordinator



Mr. R. B. Satpute

The publication of this newsletter gives us immense pleasure. I am happy to see the progress of the department since the first issue. The student's initiative, participation and coordination in departmental activities over the last semester and also their efforts in publishing the issue gives us boost to escalate our ambition for the departmental activities. I am very much thankful for the efforts taken by the departmental faculty, students and also for the support of our beloved Executive Director, Principal and all the faculty members of the department. I wish bright success to all students for the current semester.

Student Coordinator (Mr. RushikeshJadhav)

I am honored to work as chief coordinator of civil departments newsletter. Its my immense pleasure to publish our departments third newsletter which highlights departmental success and focus on future development. I take an opportunity to thank my entire faculty , coordinator and volunteer students and non teaching staff for their valuable support and help in publishing this newsletter.

Committee members:

1. Aditya Shinde

2. Satej Patil

3. Sumit Shridhar Kininge

4. Rotit Jalandar Patil

5. Rajesh Hanmant Ingale

6. Rushikesh Rama Jadhav



Vision of Civil Engineering Department

To be a centre of excellence in various sub branches of Civil engineering like Structural and Environmental engineering to prepare professionally competent engineers with lifelong learning attitude for the accomplishment of evergrowing needs of society.

Mission of the Civil Engineering Department

To prepare technically and professionally competent engineers by imparting quality education through effective teaching learning methodologies and providing stimulating environment for research and innovation.

To develop professional skills and right attitude in students that will help them to succeed and progress in their personal and professional career.

To imbibe moral and ethical values in students with concern to society and environment.

Quality Policy of Civil Department

At our department, we will strive for excellence in civil engineering education in order to develop professionally competent civil engineers by creating congenial and discipline environment involving all stake holders and adopting continuing improving standards.

Program Educational Objectives (PEOs)

PEO I: Demonstrate capabilities to develop optimal solution to the real world engineering problems by applying theory based practical approach of engineering and related engineering disciplines.

PEO II: Exhibit professional skills, ethical attitude and sensitivity towards society and environment.

PEO III: Engage in lifelong learning for successful adaptation to technological changes.



" STHAPATYA VAARTA "

THE BIENNIAL NEWSLETTER OF CIVIL ENGINEERING DEPARTMENT

