



KARNATAK LAW SOCIETY'S

SHRI VASANTRAO POTDAR POLYTECHNIC

KLS CAMPUS, TILAKWADI, BELAGAVI - 590 006

(Recognized by Govt. of Karnataka & Approved by AICTE, New Delhi)



## DEPARTMENT OF CIVIL ENGINEERING

### E-NEWS LETTER -2024-25

#### Institute Vision

To Make Vasantryao Potdar Polytechnic, Belagavi Stand Out as an Institution of Excellence in Building Technical Skills and to Create Individuals of Outstanding Character, Caliber and Entrepreneurial Skills.

#### Institute Mission

To Train Students of Vasantryao Potdar Polytechnic, Belagavi to Become Creative and Innovative Engineers while Imbibing in them Engineering Ethics and Professionalism, thus Empowering them to serve Human Kind.

#### Civil Dept. Vision:

The Department of Civil Engineering shall stand out to impart knowledge and excellence in civil engineering and technology with a global perspective so as to make the students ethically strong engineers to build the nation.

#### Civil Dept. Mission:

- To train the students of department of Civil Engineering to have high caliber technical skills.
- To encourage the students with high ethical values.
- To prepare the students to face the challenges of the future.

#### Message from Chairman

At VPP our quest for excellence continues through various initiatives that will help our students place themselves on a career path, that does justice to their capacities and motivation. I look forward for your suggestions and ideas for raising the bar.

-Shri. U.N.Kalkundrikar

#### Message from Principal

To impart quality education and bridge the industry-institution gap, VPP has established a Centre of Excellence which runs programmes to cater the needs of the students. Memorandum of understanding with the industries is established which helps the students in persuading internship programmes.

To help students get admitted in reputed Engineering colleges, VPP conducts NATA and DCET classes for the students of final year. Your suggestions are most welcome.

-Ms. Shridevi S. Malaj

#### Editorial Board Members

##### Staff Coordinators:

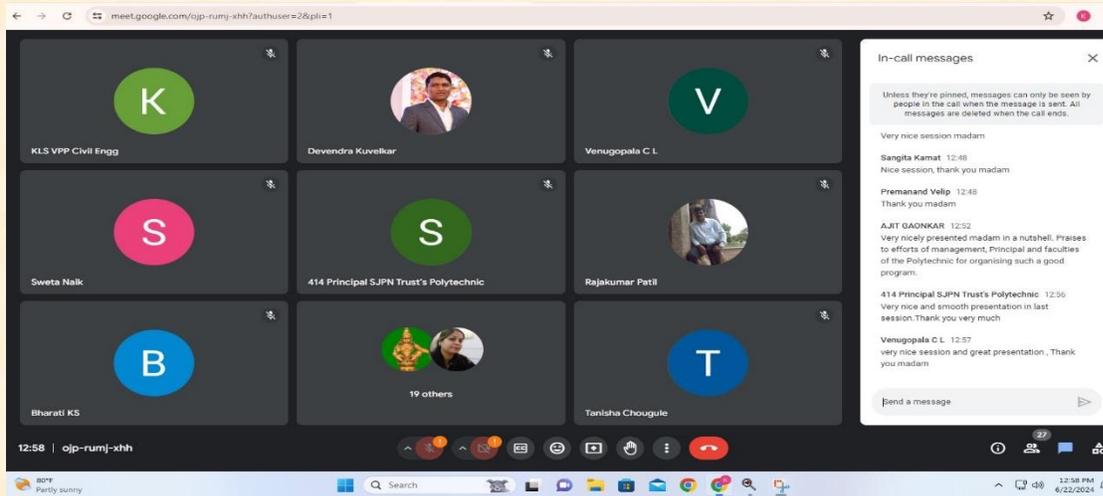
- 1) Mrs. Laxmi Angadi  
(HOD/CE)

##### Student Coordinators:

- 1) Vishal Junjwadkar
- 2) Suraj Yalaji
- 3) Pruthviraj Cholapache
- 4) Sai kakitkar

DEPARTMENT ACTIVITIES

- Ms. Laxmi Angadi and Ms. Seema S. were the resource persons for the Five Days ISTE approved National Level Workshop on “Awareness on NBA Accreditation” from 18-22nd June-2024



- First Parents meet on 20/6/2024



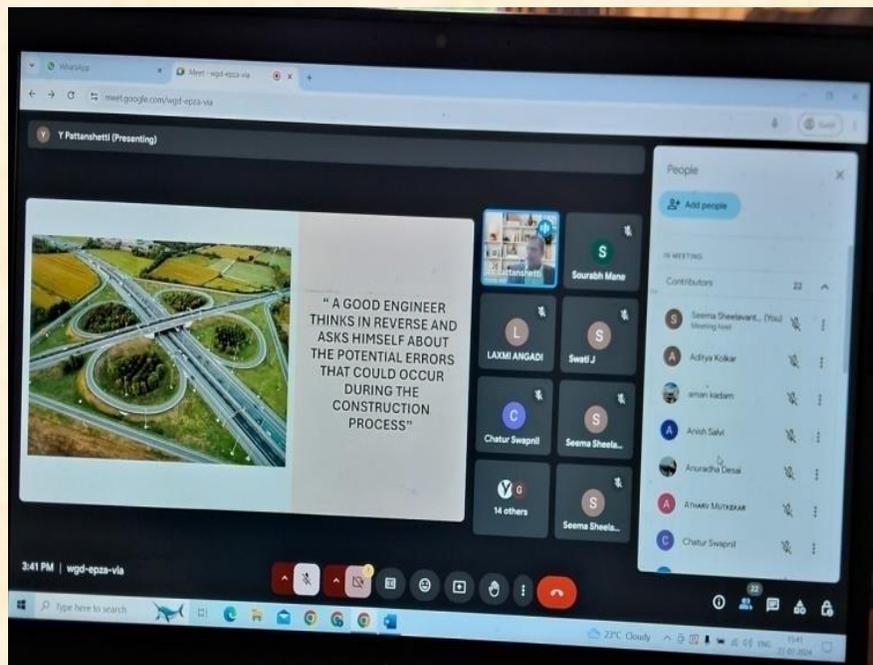
- Student Induction Programme 20/6/2024



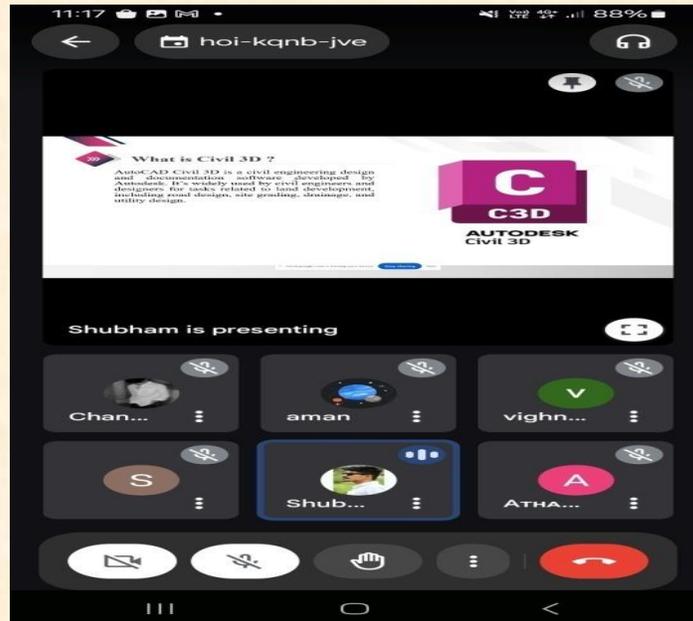
- Conducted Technical talk on “Intelligent Transportation System” by Dr. Nityananda S Kudchimath. For 3<sup>rd</sup> & 5<sup>th</sup> sem students.(22-6-2024)



- Online technical talk on “ Transportation Engineering Sector overview by “ Yuvaraj Pattanshetti” for 5<sup>th</sup> sem students.(27-7-2024)



- Online talk on “ An overview on civil 3D” by Mr. Shubham Mangle for 5<sup>th</sup> sem students.(22-8-2024)



- Demo on “ Traffic Survey” was conducted by the 5<sup>th</sup> sem students near Gogte college main gate road & Mrs. Seema Sheelvantar(lecturer) accompanied the students.(21-8-2024).



- **Technical Site Visit:**

students of 1<sup>st</sup> sem civil engineering visited “Siddheshwar Granites factory”, Khanapur & “Brick manufacturing” unit at garlungi, Khanapur. along with staff member Mrs.Swati Joshi (lecturer) & Mr.Praveen H(mechanic). Accompanied the students got the opportunity to see granite cutting finishing process, burning process of the bricks on site. (CM 20CE01T) (4-9-2024)



- All the 3rd sem students visited ongoing project site at Shahu nagar & Lakshmiपुरi layout, Belagavi and gained knowledge about building construction and drawing. (CBPD 20CE34P & 20CE33P).(30-9-2024).



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- Students of 5<sup>th</sup> semester visited the concrete road construction site near Shivaji garden Shahapur, Belagavi on 06/10/2024



- On occasion of “YOUTH DAY” Students of 4<sup>th</sup> semester visited youth convention at “Ramkrishna mission ashram” on 11-01-2025 Ms. Sunanda H & Ms. Vaidehi Yadav accompanied the students.



Guest lecture on “Indian Constitution” the constitution of India was prominently celebrated at KLS Vasantaro Potdar Polytechnic, Belagavi & lecture was given by Prof. Pralhad Yajurved on 25-01-2025.



- “Academic Work Exhibition” was organized at our institute on 28-01-2025 to 29-01-2025 for school students to share knowledge & Promote learning. Nearly 600 school students visited the exhibition.



- The Training & Placement cell Organized 5days workshop on 04-02-2025 for all dept 4<sup>th</sup> semester students , under Infosys CSR initiative , in collaboration with Theta Dynamics.



- Even semester (2024-2025) First “Parents Meeting” was organized on 07-02-2025 for 2<sup>nd</sup> & 4<sup>th</sup> semester students. In the meeting all the civil engg Faculties interacted with parents & discussed regarding their previous semester results and their day to day work.



• One day technical Trip to GOA was planned to 2nd & 4th semester students on 11-02-2025. Following places are visited with 35 students + 04 faculties.

Places: 1. Porvorium bypass highway  
2. Dabolim International Airport  
3. Saluam Dam

Satff :- Mrs.Laxmi Angadi(HOD)  
Mrs.Seema Sheelavantar (SSL)  
Mrs.Swati Joshi (Lecturer)  
Mr.PraveeNHarappanahalli (Mechanic).



### STUDENTS ACHIEVEMENT:

- CADD CLASH competition was held at KLE TECH DR.M S SHESHGIRI COLLEGE ,BELAGAVI . students of civil engg dept have scored 1<sup>st</sup> &2<sup>nd</sup> place in the completion

1<sup>st</sup> place: Darshan Sambrekar & Aman Kadam (VISEM)  
2<sup>nd</sup> place : Rohan Desai & Pranav Punajiche (IVSEM)



A football tournament was organized by KLS Vasantrao Potdar Polytechnic on 27th and 28th Dec 2024. Tiranga FC emerged as the winners of the tournament. Suraj Yalaji and Sohams Tarlekar from the Civil Engg. Department were part of the winning team.



An Indoor sport (chess& corrom )was organised on 15th and 16th of April 2024 by KLS Vasantrao Potdar Polytechnic . Pranav Punajiche won 2nd prize in chess From civil department



### **STAFF ARCHIEMENTS :**

- Mrs.Laxmi Angadi (HOD,CE) attended session at GIT college , An interactive meeting with Mr.Kong Xianhua honorable consul of general of people republic ,China,Mumbai. It was organized at KLS GIT college Udhyambag ,Belagavi on 05-03-2025.



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- Mrs.Swati Joshi attended one day workshop on “ Overview on universal Human values” on 31st Aug 2024 ,held at KLS GIT Belagavi.(31-8-2024).



**KLS VASANTRAO POTDAR POLYTECHNIC,BELAGAVI  
DEPARTMENT OF CIVIL ENGG  
ACADEMIC TOPPER FOR THE YEAR 2024-2025**

SL NO	NAME OF THE STUDENTS	SEMESTER	CGPA
1	PRATIK PATIL	1 <sup>st</sup> & 2 <sup>nd</sup> Sem	9.10
2	SIDDHARTH SATERI		8.85
3	PRUTHVIRAJ CHOPALACHE		8.65
1	NIKITA KANBARGI	3 <sup>rd</sup> & 4 <sup>th</sup> Sem	9.54
2	VISHAL JUNJWADKAR		9.13
3	ROHAN DESAI		8.59
1	ATHARV MUTKEKAR	5 <sup>th</sup> & 6 <sup>th</sup> Sem	9.41
2	SAURABH MANE		9.17
3	AMAN KADAM		9.00



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**THIRD YEAR TOPPER 2024-2025**

<b>Topper</b>	<b>Name</b>	<b>Photo</b>	<b>Total CGPA</b>
<b>I</b>	ATHARV MUTKEKAR		9.41
<b>II</b>	SAURABH MANE		9.17
<b>III</b>	AMAN KADAM		9.00



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**SECOND YEAR TOPPER 2024-2025**

<b>Topper</b>	<b>Name</b>	<b>Photo</b>	<b>Total CGPA</b>
<b>I</b>	NIKITA KANBARGI		9.54
<b>II</b>	VISHAL JUNJWADKAR		9.13
<b>III</b>	ROHAN DESAI		8.59



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**FIRST YEAR TOPPER 2024-2025**

<b>Topper</b>	<b>Name</b>	<b>Photo</b>	<b>Total CGPA</b>
<b>I</b>	PRATIK PATIL		9.10
<b>II</b>	SIDDHARTH SATERI		8.85
<b>III</b>	PRUTHVIRAJ CHOPALACHE		8.65



## Students Articles:-

### Article about Sigandooru Chowdeshwari Bridge

- Pruthviraj S Cholapache, 3<sup>rd</sup> sem

The Sigandoor Chowdeshwari bridge is a vital infrastructure project located in Karnataka, India, near the holy village of Singandooru in the Sagar taluka of Shivmogga district. This bridge not only enhances connectivity across the Sharavathi backwaters, but also serves as an important link to the Chowdeshwari temple, a famous pilgrimage destination.

### Importance of the bridge

Sigandooru, home to the revered Chowdeshwari Devi Temple, attracts thousands of devotees every year. Earlier reaching this temple involved boat travel through hilly and forested terrain. The construction of Sigandooru Chowdeshwari Bridge has drastically improved access, especially during the rain season when water levels rise.

### Historical Significance :-

1. The bridge addresses long-standing **isolation** created when the 1960s Linganmakki hydropower dam submerged local roads and villages, severing direct road links to Sigandur and surrounding areas.
2. Until recently, residents and pilgrims relied on **daytime-only barges**, risking delays, overcrowding, and tragic accidents—including one that claimed 21 lives—prompting increased calls for a permanent, safe crossing.

### Project Overview & Specifications

- **Length & Design:** Spanning approximately **2.44 km** and about **16 m wide** (11 m carriageway + footpaths), it's Karnataka's longest inland cable-stayed bridge and India's second-longest of its kind.
- **Construction Type:** An **extradosed cable-stayed cum balanced cantilever** design featuring 4 pylons, 96 cables, 164 large-diameter piles, and ~604 pre-cast box-girder segments.
- **Cost & Timeline:** Built at a cost of around ₹472–473 crore, initiated in 2018 after decades of community advocacy, completed by mid-2025.

### Benefits of this Bridge

**Improved Transportation:** Ensures all weather road connectivity.

**Boost to tourism:** easier access to the temple brings more pilgrims and boosts the local economy

**Emergency Access:** Allows quicker medical and emergency services to remote villages around sigandooru



● **Conclusion:-**

The Sigandooru Chowdeshwari Bridge is more than just a physical structure it is lifeline for the region,blending faith and progress. It stands as a testament to how infrastructure development can honour tradition while serving modern needs !

**Students Articles:-**

**Article about the Chenab Rail Bridge**

-Pratik Patil,3<sup>rd</sup> sem

The Chenab Rail Bridge, located in the northern Indian union territory of Jammu and Kashmir, stands as a testament to modern engineering and human perseverance. Spanning the deep gorge of the Chenab River near Reasi district, this bridge is not just a critical link in India's ambitious rail network but also the world's highest railway bridge, surpassing even the Eiffel Tower in height

**Importance of the bridge**

The bridge forms a crucial part of the **Udhampur–Srinagar–Baramulla Rail Link (USBRL)** project. This project aims to connect the Kashmir Valley with the rest of India via an all-weather rail line, enhancing both civilian mobility and military logistics.

**Engineering and Construction**

Constructing the Chenab Rail Bridge presented numerous challenges:

- **Topography:** The rugged terrain and deep gorges of the Himalayas made transporting materials and workers extremely difficult.
- **Weather:** Harsh winters and monsoon rains regularly disrupted progress.
- **Structural Design:** The arch bridge had to balance strength with flexibility to absorb seismic shocks and strong winds.

**Key Facts and Figures**

- **Height:** 359 meters (1,178 feet) above the riverbed
- **Length:** 1,315 meters (4,314 feet)
- **Span of Main Arch:** 467 meters
- **Construction Began:** 2004



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- **Material Used:** Over 25,000 metric tons of steel
- **Designed to Withstand:** Wind speeds of up to 266 km/h and seismic activity of Zone V intensity

### Symbol of Progress

The Chenab Rail Bridge is more than an engineering accomplishment. It symbolizes India's commitment to connecting remote regions, boosting tourism, enabling economic growth, and reinforcing national unity. As trains now traverse this towering structure, the bridge inspires awe—blending nature's majesty with human ingenuity.

### Conclusion

The **Chenab Rail Bridge** stands as a monumental achievement in engineering, symbolizing India's ability to overcome immense natural and technical challenges. Rising majestically above the Chenab River, it not only connects regions and people but also represents national resilience, strategic foresight, and technological excellence. As trains roll across its mighty span, the bridge serves as a proud reminder of what determined vision and innovation can accomplish—even in the most demanding environments.

### Student's Art Gallery

