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 -2021-22

Institute Vision

To Make Vasantrao 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 Vasantrao 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.

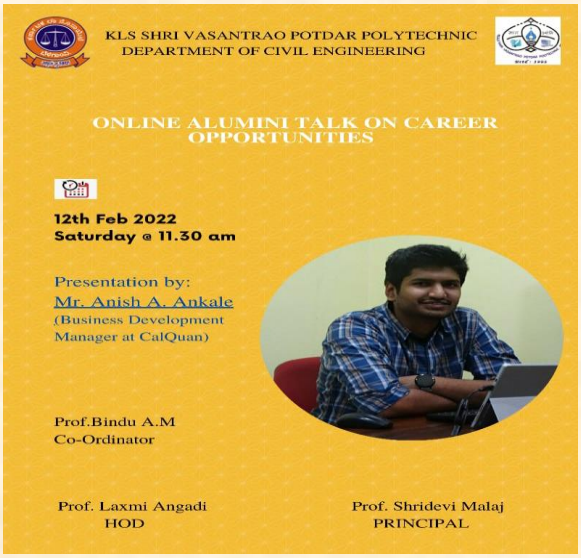
To help students get admitted in reputed Engineering colleges, VPP conducts NATA and DCET classes for the students of final year. Your suggestions are most welcome.

-Ms. Shridevi S. Malaj

- **ALUMNI TALK:**

- Alumni Talk" Alumni talk on career opportunities and new technology in Civil Engineering by Mohd. Sameer(Site engineer at Hamadal Sayah contracting IIc, Dubai) on 11/02/2022.

- Alumni Talk" Alumni talk on career opportunities by Anish Ankale (Business development Manager by CalQuan) on12/02/2022.



- Alumni Talk on 'Skills to acquire to study in abroad' by Ms. Shivani Hatti on 13 July 2022

TECHNICAL SITE VISIT:

- Ready Mix Plant Visit, Balaji Concretes Halga.-IV and VI sem students visited the plant along with staff Mrs. Laxmi Angadi and Mr. Pratik Lohar on 7th June 2022.Students gained knowledge of Automatic Process of RMC plant along with Technical Specifications.

- Students of 4th sem visited Building construction site on 9th July 2022 with staff coordinator Mr. Pratik Lohar.

STUDENT ACHIEVEMENT:

- Darshan Suppannvar and Vidyasagar Pammar 4th semester Civil Engg Students Secured 2nd place in Bridge Modelling Competition organized by SGBIT Belagavi.

- Abhishek Kamble Student of 6th Semester bagged 1st Place in Clay Modelling on the occasion of 'World Earth Day' organized by Jain College of Engineering on 5th May 2022

Academic Toppers 2021-22

FIRST YEAR TOPPER

Sl No.	Sem	Name of the Student	Total marks out of 950	Percentage	Rank	
1	I & II	Omkar Dhume	880	92.63	I	
2		Gaurav Malgaonkar	854	89.89	II	
3		Harish Hangirgekar	786	82.73	III	

SECOND YEAR TOPPER

Sl No.	Sem	Name of the Student	Total marks out of 850	Percentage	Rank	PHOTO
1	III & IV	Sanket Muttur	801	94.23	I	
2		Tejas Patil	795	93.50	II	
3		Vidyasagar Pammar	792	93.17	III	

FINAL YEAR 2021-22

Sl No.	Sem	Name of the Student	Total marks out of 1425	Percentage	Rank	PHOTO
1	V and VI	Abhishek Kamble	1323	92.84	I	
2		Abhishek Talukar	1313	92.14	II	
3		Gaurav Shahapurkar	1234	86.59	III	

Scales

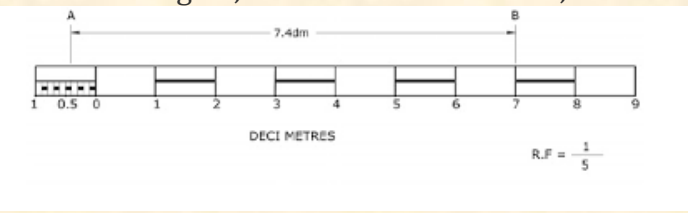
By: Mr. Abhijeet Baikerikar

HOD /CE

Drawings are not usually made full sized, for convenience it is generally necessary to draw them to a reduced level, this operation is known as drawing to a scale.
Scale is a fixed ratio that every distance on the plan bear with corresponding distance on the ground. Scale is represented by the following method.

1. One cm (1 cm) on the map represents some whole number of meters on the ground, such as 1cm = 10meters
2. Representative Fraction is ratio of map distance to the corresponding ground distance in forming representative factor both numerator and denominator must reduce to the same denomination.
   For Example: 1cm = 50 meters
   Representative Factor (R.F) = 1/50X100 =1/5000
   This shows 1cm on the map is equal to 5000mm (5 meter) on the ground.
   The scale may be stated on the map graphically or by numerical relation, it should be shown near the title of the map so that it is easily visible. On graphical scale the units of measurements should always be stated.
   The characteristics of good scale is, it should read the greatest accuracy required and it should be convenient to use.
   Various Types of Scales
   - Plain Scale
   - Diagonal Scale
   - Vernier Scale
   - Scale of Chords

   Plain Scale : A plain scale is one on which it is possible to measure two dimensions only such as units and lengths, meters and decimeters, miles and furlongs etc.



Plain Scale

Diagonal Scale: On a diagonal scale it is possible to measure three dimensions such as meters, decimeter and centimeter and yard, feet, inches.
Vernier Scale: Is a device for measuring the fractional part of one of the smallest divisions of a graduated scale. It usually consists of a small auxiliary scale which slides alongside the main scale, it was invented by Pierre Vernier in the year 1631.