



RAJENDRA MANE POLYTECHNIC, AMBAV(DEVROKH)



NEWS LETTER

CIVIL ENGINEERING DEPARTMENT

Volume 2019-2020

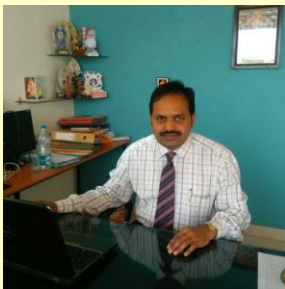
CHAIRMAN SIR MESSAGE



HON. SHRI. RAVINDRA MANE

"Education is the movement from darkness to light" .The principle objective of the PSPS Foundation is "To carry on activities for the benefits and development of residents of rural India by application of all suitable means available with focus on issues like health, literacy, non-formal education, etc."

PRINCIPAL MESSAGE



I am very happy to note that the Department of Civil Engineering of Rajendra mane Polytechnic (Ambav- Devrukh) is releasing its Newsletter enumerating the various activities and achievements of their faculty and students. We can call civil engineer as a creative artist since they builds beautiful structures, as we dream, using basic materials. We have to analyse many case studies of structure failures as they remain as a new dimension of knowledge to learn and to avoid any such failures in the future.

MR. N. B BHOPALE

Hence as Civil Engineering students should learn the subject in detail without any doubts and execute works with total care to march towards success in your profession. I have pleasure to see department is striving hard to make a mark in this Institution by way of its academic growth and consultancy work. I congratulate all the students who have put their efforts in bringing this first newsletter issue and also appreciate HOD and all faculty members for motivating their students towards this fulfilment. I wish each one of them in the Department success in all their endeavours.

—All your derams can come true if you have the courage to pursue them||

-Walt Disney

HEAD OF DEPARTMENT MESSAGE



The Civil Engineering Department was established with a prime objective to proliferate knowledge. We aim to promote Civil Engineering by providing the much-needed practical exposure to the students through its regular activities like academic curriculum, technical seminars, research symposium, talks on ongoing research practices throughout the globe and many other related topics from distinguished practitioners.

MR. N. B BHOPALE Collaboration between the department and industry is important for the advancement of engineering teaching and research. With this aim, to give our students some practical insight into Civil Engineering, we organize several visits throughout the year to ongoing construction sites thus giving them a chance to interact with key personnel of the industry.

Student of Civil Engineering Association, organizes different events to provides a platform to budding civil engineers to create, innovate and learn various aspects of civil engineering through competitions, events.

–The elevator to success is out of order. You'll have to use the stairs, one step at a time.¶

-Joe Girard

VISION

“ To develop highly competent civil engineering technocrats.”

MISSION

1. To excel in imparting extensive knowledge in Civil Engineering prescribed by MSBTE Diploma curriculum.
2. To prepare the students with knowledge and necessary technical skills required for higher education, Job and to be successful entrepreneurs.
3. To develop ethics and values among the students to create socially and environmentally conscious technocrats.
4. To develop all round personalities of the students for imparting lifelong learning.

DEPARTMENTAL GOAL

“Imparting quality education to the students and to produce dedicated professional Civil engineer with a spirit of national character and international standards and to make the Department a Centre of Excellence in industrial research and development”

SALIENT FEATURES OF THE DEPARTMENT

- Offering Diploma in Civil Engineering: since 2010 with (60 Intake capacity)
- The laboratories of the department have been modernized with additional of state-of-art instruments and equipment.

-There are only two lasting bequests we can hope to give our children. One of these is roots, the other, wingsll. – Hodding Carter

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– Take time to deliberate; but when the time for action arrives, stop thinking and go on. || -Napoleon Bonaparte

DEPARTMENTAL LABORATORIES



MECHANICS OF STRUCTURE

The main target of the study is to clarify the process of load distribution and deformation and time dependent change of strength and serviceability of structures.

CONCRETE TECHNOLOGY

The laboratory allows the students test to assess the various fresh and hardened concrete properties that many affect the performance of concrete member.



GEOTECHNICAL ENGINEERING

Integral part of soil mechanics and foundation engineering a proper evaluation of soil samples and analysis of test results.



–Quality is more important than quantity. One home run is better than two doubles.‖

SURVEYING



PUBLIC HEALTH ENGINEERING



Department undertakes consultancy and testing activities as follows.

- Testing of different construction materials such as Steel, Concrete, Soil, Aggregate, Pipes etc.
- Design of concrete Mix.
- Planning and design of different Civil Engineering Structures Such as Buildings, Retaining walls, Water tanks, Bridge etc.
- Third party technical audits of all Civil Engineering Structures.
- Water Quality Analysis
- Sewage and effluent testing

Lab Upgradation in successive academic years

Sr. No.	Name of laboratory	Amount
1	Building construction	112320.00
2	Concrete technology	478273.25
3	Geotechnical Engineering	408300.00
4	Surveying	989740.00
5	Public health engineering	245572.13

MOU SIGNED BY DEPT. FROM LAST 3 YEARS,

Sr. no	Academic year	Name of program
1	2016-17	Soft skill
2	2017-18	Auto cad
3	2018-19	Personality development

–Everyone loves justice in the affairs of another.¶

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Academic Monitoring Remarks

Academic Year	Remark
2016-2017	Very Good
2017-2018	Very Good
2018-2019	Very Good

Academic Achievement

Academic Year	Result
2016-2017	83.92 %
2017-2018	82.92 %
2018-2019	51.75 %

EXTRA ACTIVITIES

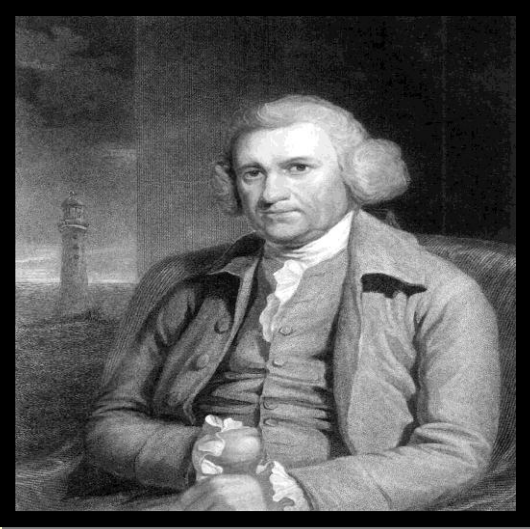


FEERO-CEMENT TECHNOLOGY

HORIZON 2K20

-Remember to enjoy being in this world, being able to do what you are doing. - Stephen Schwartz

LEGENDS OF CIVIL ENGINEERING



Portrait of John Smeaton, with the Eddystone Lighthouse in the background

Born	8 June 1724 Austhorpe, Leeds, England
Died	28 October 1792 (aged 68) Austhorpe, Leeds, England
Occupation	Civil engineer
Awards	Copley Medal (1759)

CIVIL ENGINEERING HISTORY

- In the beginning, Civil Engineering included all engineers that did not practice military engineering; said to have begun in 18th century France.
- First "Civil Engineer" was an Englishman, John Smeaton in 1761.
- Civil engineers have saved more lives than all the doctors in history — development of clean water and sanitation systems.
- Henry H. White, first KY Civil Engineering Graduate from Bacon (Georgetown) College in 1840.
- Fall of 1886, "State College" (UK) established civil engineering degree.
- John Wesley Gunn of Lexington received first Civil Engineering degree from A & M College (UK) in 1890.

"All your dreams can come true if you have the courage to pursue them" – Walt Disney

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