



#SOETEQUITY
Newsletter Edition

ENGINEERING^{PLUS+}

FORTNIGHTLY
NEWSLETTER



ADAMAS
SCHOOL OF ENGINEERING AND
TECHNOLOGY

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Dear Reader,

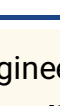
Welcome to the fourth issue of **#SOETEQUITY** fortnightly newsletter! This newsletter is designed to bring to you a wide range of engineering and technology-related information in the form of informative videos, blogs and webinars. In this issue, we focus on one of the most advanced and emerging fields of knowledge- **'Infra-Tech: Infrastructure Related Technology'**.

Infra-tech is an amalgamation of infrastructure and technology. It includes various domains like energy generation and distribution infrastructure, water and waste infrastructure, smart materials, etc. The importance and use of Infra-tech can be further understood by looking at the current challenges that the construction and infrastructure sector faces.

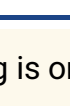
For your reading pleasure in this issue, we are discussing on Infra-tech from multiple perspectives. 'Subscribe' this newsletter if you find it valuable and share it with your colleagues, friends and family members. We are keen to know about your reading preferences. So, kindly let us know about it. There is an option for your feedback at the end of the newsletter.

Happy Reading!

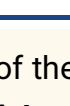
-Editorial Team **#SOETEQUITY**



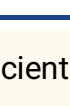
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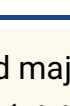
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#ExpertTalk

Civil Engineering is one of the ancient and major branches of Engineering. **Dr. T. Senthil Vadivel, Head of the Department (Civil Engineering)** shares his academic and research experience to enhance the skills and direct the young generation towards a new growth in the field of Civil Engineering.



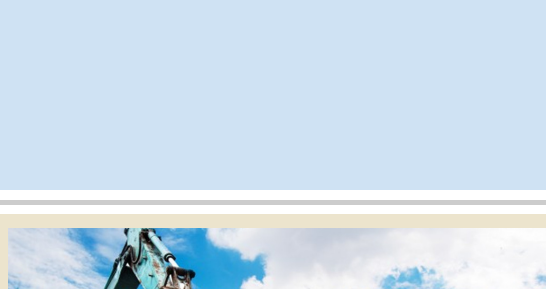
#EducationPlus



An Insight of Career Perspectives in Construction Industry

Building Construction have always been admired career options for students. Abundant varieties of skills are required for construction industry which implies portentous career perspectives. The career paths of budding engineers can be diversified once they specialized in their area of interest. Large opportunities are there in construction industry to make a start-up company and become boss for their own business. This industry exhibits different forms of career paths covering various aspects of construction activities.

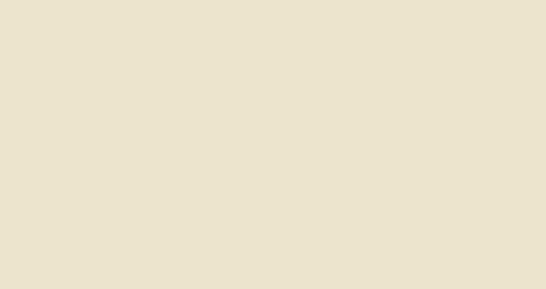
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Scope of Structural Engineering

Structural engineering is the field of engineering that deals with the structural integrity and strength of a building or structure. Structural engineering is a specialty of civil engineering that ensures the structures are safe, stable and don't collapse under applied loads. It is mainly focused on analysis and design of the structure.

[Read more](#)



Geo-Technical Engineering - The Technical Tale of Soil

Civil Engineering structures are identical from ancient age, due to its large size and unique look. But, the irony always been seen that, a general visitor never notice about its base, which provide sufficient support and balance the structure, safely over hundreds of decades. Yes, the base or in Civil Engineering terminology the 'Foundation'. There are many wonderful structures all over the world and their foundations are magnificent as well, due to its art of execution, design complexity and gigantic dimensions. The structures from seven wonders...

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Mechanism of Deterioration of Concrete based Structures or Systems and Remedies

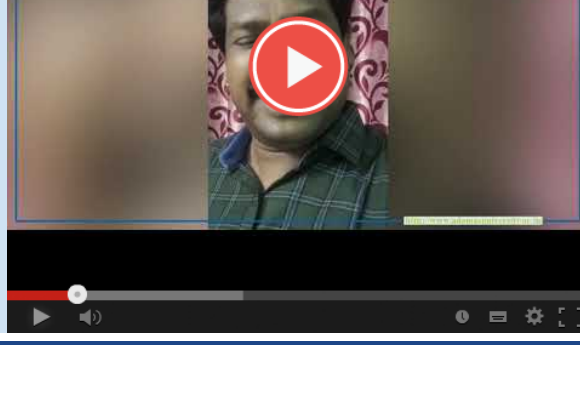
In the civil engineering field concrete is a construction materials is extensively used in construction work. Generally it is mixture of cement, fine aggregate (normally termed as sand) coarse aggregate (termed as stone chips or broken stones), water and some times admixture. It is used to develop or construct different type of structures or systems. These structures are generally two types, they are P.C.C and R.C.C. P.C.C stands for Plain Cement Concrete and R.C.C stands for Reinforced Cement Concrete...

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#FacultySpeaks

Teaching Learning process always play like a key in every student's life.

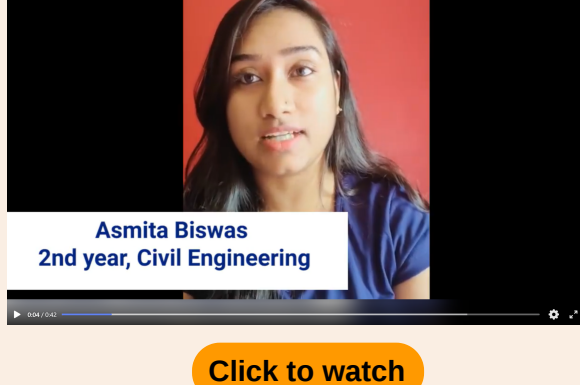
Dr. T. Senthil Vadivel, Professor & HOD, Department of Civil Engineering talks about various domains of teaching for effective learning.



#StudentSpeaks

Online education is a flexible instructional delivery system that encompasses learning via Internet. It is a form of education where students can interact with their faculties or mentors via any communicating devices like laptops, desktops, cell phones etc.

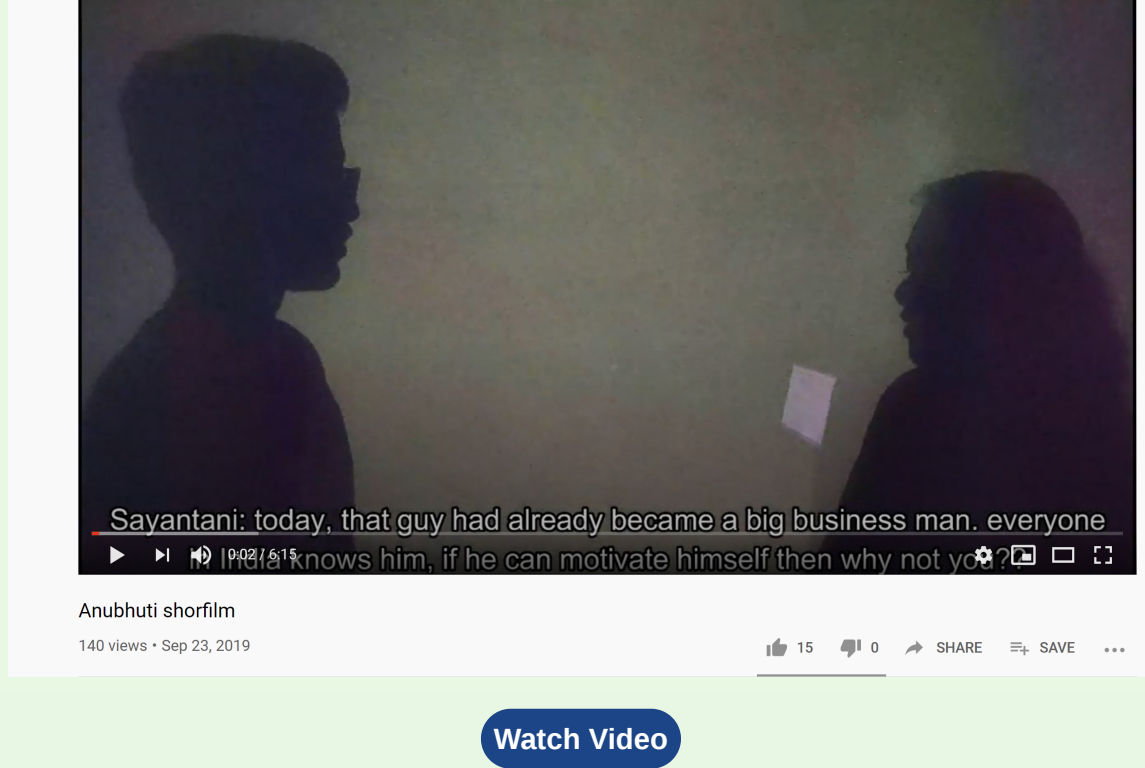
Asmita Biswas, Student, B. Tech- Civil Engineering shares her experience of online classes through various platforms at Adamas University.



[Click to watch](#)

#Student'sCorner

A Short Film "**Anubhuti**" Created by the **First Year Students of SOET**.



[Watch Video](#)

#CallForArticles

EngineeringPlus+ is looking for student authors from School of Engineering and Technology (Adamas University) who are willing to contribute short scientific or technical articles for upcoming newsletter issues. Links of any published articles/blogs authored by you can also be shared for this purpose. Please send your article/links to soetequity@adamasuniversity.ac.in mentioning your article title, name, department and year.

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