



**Stephen Hales (1677-1761)**

Hales was born on the 17th September 1677 in Kent, and died on 4th January 1761 at Teddington, Middlesex. He was the grandson of Sir Robert Hales, Baronet (d.1693), and was thus a member of an influential county family.

Stephen Hales was one of the most famous British scientists of his time. His researches into the fundamentals of animal and plant physiology and on the nature of air provided a theoretical framework for scientists for the best part of a century. Hales was also an energetic philanthropist and conscientious clergyman. He brought practical inventiveness and scientific work to bear on the social needs of the age.

Hale's interest in scientific experiments, which dated from his Cambridge years, first came to public notice in 1719, when he read a paper to the Royal Society, to which he had been recently elected a Fellow, on the effect of the sun's rays on the sap of plants.

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**A NEWSLETTER FOR CIVIL ENGINEERING DEPARTMENT**

**VOL-1** **ISSUE-1** **SEP-2016**

**EDITOR'S VOICE:**

**Solar-passive design**

Solar passive buildings are designed to achieve thermal and visual comfort by using natural energy sources and sink, e.g. solar radiation, outside air, wet surfaces, vegetation etc. Architects and Designers can achieve energy efficiency in the buildings they design by studying the macro and micro climate of the site, applying solar passive and bioclimatic design features .



Designers can achieve a solar-passive building design by following the steps mentioned below:

- 1.Modulating the micro climate of the site through landscaping.
2. Optimizing the orientation and building form.
- 3.Adopting low energy passive cooling strategies.

**BY**

**K.SIREESHA**

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## STUDENT'S ACTIVITIES

The department of Civil Engineering students are celebrating 49<sup>th</sup> Engineer's day in our college campus. In this event, students are organizing technical events like ppt, group discussions, AutoCAD etc.

N.V.K.Prasad working as superintendent of engineer invited as chief guest in this program. He give a seminar on Environmental Engineering concept to students. He gave a practical information to students which is very useful in real life aspects. He also speaks about the importance of public health for the "Swachh Bharat."



Engineer's day is very important to civil engineers because Dr.M.Vishewarayya is a great civil engineer and government of India gave Bharata Ratna award to his great achievements in constructions field. His birthday on September 15th celebrating as civil engineers day.

## SEMINORS

The department of Civil Engineering organized a seminar in our College campus on Civil Engineering Softwares. Mr.C.Parthivan worked as L&T Assistant Manager proposed a BIM means Building Information Modelling Software. It is a best practice for 3D Modelling.



He gave a brief note on present civil engineering softwares to students. He also clarify many doubts asked by a students and also talks about construction fields how innovative methods are followed by construction companies.