



# **Orientation Manual**

## **Civil Engineering Department, SCET**

**SARVAJANIK EDUCATION SOCIETY**  
**SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY**

DR. R. K. DESAI MARG, ATHWALINES, SURAT - 395001

**Towards progressive civilization.....**





**Contact**

**'SARVAJANIK EDUCATION SOCIETY'**

**Civil Engineering Department**

**SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY-SCET**

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## *Civil Engineering Department*

**Dear Student/Parent,**

Welcome to SCET, welcome to the road to .....progressive civilization!

‘Sarvajanik College of Engineering & Technology’ is one of the pioneer institutions in self financed technical institutions in the region, managed by the able management of ‘Sarvajanik Education Society’.

Vision & Mission of SCET is...

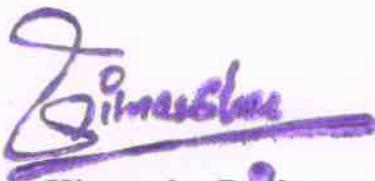
To form intellectually competent, professionally skilled, spiritually evolved, morally upright, socially responsive, culturally tolerant citizens through holistic “Sarvajanik” Technical Education for creation of progressive civilization..

At Civil Engineering Department, SCET, we strongly believe that discipline, is one of the most important qualities that a student must possess, and there is no substitute for hard work in academics. The team, CED is determined to shape a better engineer out of our students.

**Please note that attendance is compulsory in the classes from day one.**

Thanking you,

Yours truly,



**Himanshu Padhya**  
**HOD**

'SARVAJANIK EDUCATION SOCIETY'...our parent institution.



*Sarvajanik Education Society*, a premier educational institution established in Surat in 1912 with the management of just one secondary school, then known as the English school (Dhingali School – Doll's School) is today 94 years old and has under its care 33 institutions imparting education which ranges from pre-school level to post graduate instruction and which covers a wide variety of disciplines including engineering and management education. It also runs two research institutions - one for humanities and social sciences and one for environmental studies.

Right since its inception the Sarvajanik Education Society has survived and thrived, solely on the charity of philanthropic institutions and individuals. Its objective as incorporated in its constitution is to spread education among people at affordable cost. Thus, Sarvajanik Education Society is one of those rare institutions, which keep profit motive out of their operative fields and activities. Even so, it has made constant and steady progress. Thanks to the wholehearted support of its well-wishers in Surat, in various parts of India and abroad. A very large number of its former students have settled well abroad and in acknowledgement of the education they received at one institution or other of Sarvajanik Education Society, keep on extending their help, in every respect.

The Sarvajanik Education Society has always enjoyed high reputation public faith for its noble traditions of honest, transparent and democratic management. It has earned people's trust that every farthing given to it is well used for the benefit of people and the future generation.

And all this has been achieved purely through the philanthropic contributions received as a regular inflow from citizen who have nurtured the growth of the society and also from those who shaped their lives under the benign care of the various institutions of *Sarvajanik Education Society*.

## About the academic programme....

Civil Engineering Department, SCET offers a full time, 04 year (08 semesters) programme giving the degree in Civil Engineering.(B.E. Civil ) The programme/course is approved by AICTE (All India Council of Technical Education) and GTU(Gujarat Technological University).

Civil engineering is the oldest branch of the profession of engineering after military engineering. **Many of the important things in our lives that we take for granted are the product of civil engineering.**

Dams



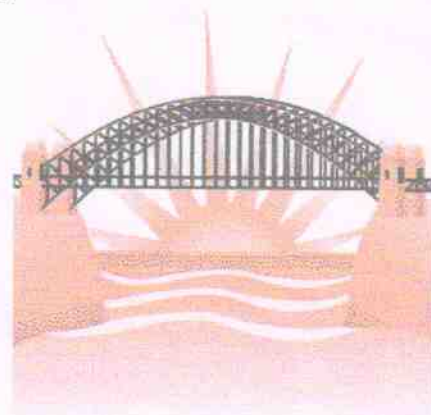
Power stations



Roads



Bridges



Civil engineering is the oldest branch of engineering which is growing right from the stone age of civilization. American society of civil engineering defines *civil engineering as the profession in which a knowledge of the mathematical and physical sciences gained by study, experience and practice is applied with judgement to develop ways to utilize economically the materials and forces of the nature for the progressive well being of man.*

Here various fields of civil engineering are listed and their scope is explained. Impact of infrastructural development on the economy of a country, the role of civil engineers in it is explained. Finally the importance of planning scheduling and construction management in civil engineering is emphasized.

