



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

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

*Towards progressive civilization.....*

**CIVIL ENGINEERING DEPARTMENT**

**Report of NIRMAAN-2k16**

**Sarvajanik Education Society**  
**Sarvajanik College of Engineering & Technology**  
**Civil Engineering Department**  
**Presents**

**Events :**

- CUBO COLADA**
- JET MANIA**
- SETU SARJAN**
- WASTADIUM**
- TESORO CAZAR**

**Date: 16<sup>th</sup> & 17<sup>th</sup> September, 2016**

**Eco Echo | Story Telling | Technofie  
Tech Emporia | Youth Parliament**

**Tech Heads**  
Uday Anghan  
Jeet Donga

**Mentors**  
Pragnesh Nagekar  
Abhishek Jariwala  
Vasu Shah  
Het Desai  
Raj Naik

**Faculty Conveners**  
Prof. Minakshi Vaghani  
Prof. Ankita Parmar

Every year, Civil Engineering Department organises technical festival “Nirmaan” since 2014. Following this tradition, Nirmaan-2k16 was held during 16<sup>th</sup> -17<sup>th</sup> September, 2016. Students from our college as well as other colleges of South Gujarat region had participated in various technical events of Nirmaan-2k16. We received the chartbuster response from participants by enrolling 503 entries. Dr. Neeraj Sharma, Principal, S.N. Patel Institute of Technology, Bardoli was invited as a chief guest for the inauguration of Nirmaan-2k16. He delivered informative speech and motivated our students.

We introduced various ground-breaking events like Youth Parliament, Tech Emporia, Technofie, Story Telling, structural engineering related event namely Cubo Colada, Fluid Mechanics event like Jet Mania, Traffic Engineering related event

Tesoro Cazar, environment related events like Eco Echo and Wastadium. After completion of all the events, the winners and co-ordinators were felicitated with medals and certificates in the valedictory function which was held on 19<sup>th</sup> September 2016. Dr. S.M. Yadav, Professor, Civil Engineering Department, SVNIT, Surat has graces the valedictory function as a chief guest. Honourable faculty had discussed the importance of Techfest in engineering. He also delivered an expert lecture on hydraulic failure of bridges.

Few glimpses of events are described below.

### **Cubo Colada (85)**

It is the concrete event in which participants had prepared concrete cube and predicted the compressive strength of the cube casted. The prepared cubes were tested by applying compressive load. The difference in measured strength and predicted strength was expected to be minimum for winning the event.

### **Jet Mania (46)**

The winner team had maximum horizontal distance of jet through orifice in a single attempt using plastic sheets. Plastic sheet and adhesive were given to the students. Use of extra materials as well as cutting of sheet was not allowed.

### **Tesoro Cazar (133)**

Event was based on search for hidden objects using given clues on Traffic Engineering theme. Students had to find the treasure by finding hidden places or object in the college campus by following the series of clues. Clues given was based on TRAFFIC ORIENTATION ENGINEERING.

### **Wastadium (21)**

Prepared model of any Stadium of their choice from waste material within 4 sq feet (of any shape).

### **Eco Echo (34)**

Participants submitted CD of documentary/PPT based on Eco Friendly Environment concept.

### **Technofie (14)**

A photo of anything or scene in our college was taken and submitted to the team with proper meaning and message to society.

## Setu Sarjan (129)

Event was based on check stability of bridge (made up of papers) against maximum load and deflection . Materials like Paper, Adhesive and Cutter, etc. will be provided by us in limited quantity. Structure bearing maximum load, minimum deflection and self-weight of structure were kept as Winning criteria.

## Youth Parliament (16)

“It is better to debate a question without settling it, than to settle a question without debating it.” Event was based on argument especially in formal manner on a given current issue

## Story Telling (06)

The participants shared their incident which were tragic, humorous, had empathy or might depicted any of emotions of his / her life.

## Tech Emporia (19)

Students showed their marketing skill through selling Civil products virtually.

Our worthy sponsors are CAD Experts, Hind TV, SRK foundation and Aureate Labs.











**Thanks from Nirmaan-2k16 team**

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**Jeet Donga**