



## VILLA MARIE DEGREE COLLEGE FOR WOMEN

6-3-1089,Raj Bhavan Road, Somajiguda,Hyderabad-500082  
Affiliated to Osmania University, Management Program Approved by AICTE  
Recognised by UGC u/s 2(f), an ISO 9001:2015 Certified Institution  
Accredited with B++ Grade by NAAC



DEPARTMENT OF COMPUTER SCIENCE  
VILLA MARIE DEGREE COLLEGE  
FOR WOMEN



DEPARTMENT OF COMPUTER SCIENCE  
ORGANIZES

# MODELVERSE & E-WASTE

## MODEL MAKING COMPETITION

JUDGE

MRS. S. GAYATHRI

HOD, DEPARTMENT OF  
COMPUTER SCIENCE



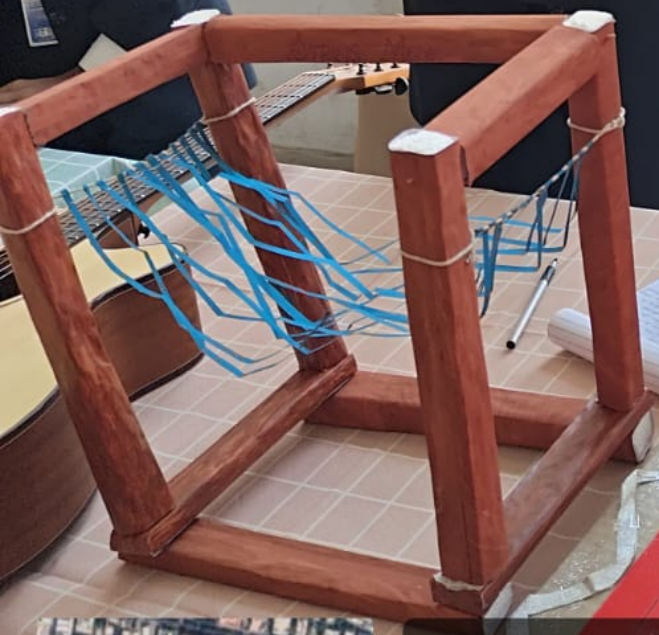
DATE: 13TH MARCH 2025

TIME: 12:30 PM ONWARDS


TARGET AUDIENCE: B.COM & B.SC FIRST YEAR







**STRING THEORY**  
String theory is a theoretical framework in which the point-like particles of particle physics are replaced by one-dimensional objects called strings. The vibrations of these strings are thought to give rise to all the particles and forces of nature.  
**Key Concepts:** Requires 10 or 11 dimensions.  
**Unification:** Attempts to unify general relativity and quantum mechanics.  
**Particles:** Higgs boson, graviton, photon, gluon, quark, lepton, neutrino, etc.

 **GPS Map Camera**

# Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India

Lat 17.421249° Long 78.459812°

13/03/2025 01:10 PM GMT +05:30










**HUBBLE'S LAW**  
 This law states that the distance to a galaxy is directly proportional to its recessional velocity. In other words, the further away a galaxy is, the faster it is moving away from us. This is evidence for the expansion of the universe.

**CONCEPT OF STANDARD CANDLES**  
 Standard candles are objects with a known luminosity, which can be used to determine their distance. Examples include Cepheid variables and Type Ia supernovae.

**DISTANCE FROM EARTH TO GALAXIES**  
 The distance to a galaxy can be determined using various methods, including parallax, standard candles, and redshift.

**TULLY-FISHER RELATION**  
 This relation states that the rotation speed of a spiral galaxy is related to its luminosity. It is used to determine the distance to a galaxy.

 **GPS Map Camera**

# Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India  
 Lat 17.421202° Long 78.459807°  
 13/03/2025 01:03 PM GMT +05:30



Google





GPS Map Camera

# Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India

Lat 17.421222° Long 78.4598°

13/03/2025 01:07 PM GMT +05:30



Google



# Binomial Distribution

In probability theory and statistics, the binomial distribution with parameters  $n$  and  $p$  is the discrete probability distribution of the number of successes in a sequence of  $n$  independent experiments, each asking a yes-no question and each with its own Boolean-valued outcome: success (with probability  $p$ ) or failure (with probability  $q = 1 - p$ ). A single success/failure experiment is also called a Bernoulli trial.

- \* A fixed number of independent trials
- \* Each trial has two possible outcomes
- \* The probability of success remains constant
- \* Each trial is independent

$$f(k, n, p) = P_r(X=k) \Rightarrow \binom{n}{k} p^k (1-p)^{n-k}$$

for  $k=0, 1, 2, \dots, n$  where

$$\binom{n}{k} = \frac{n!}{k!(n-k)!}$$
$$\mu_1 = np, \mu_2 = npq$$



**BINOMIAL DISTRIBUTION**  
THE PARAMETERS

1. The experiment consists of a fixed number of trials.
2. The number of trials is denoted by  $n$ .
3. The probability of success in each trial is denoted by  $p$ .
4. The probability of failure in each trial is denoted by  $q = 1 - p$ .
5. The trials are independent of each other.

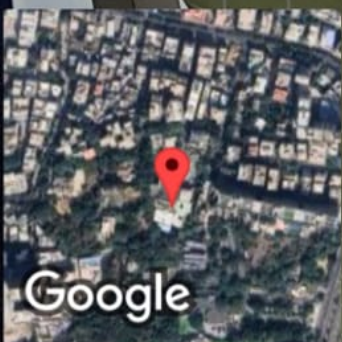
GPS Map Camera

Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India

Lat 17.421291° Long 78.459844°

13/03/2025 01:12 PM GMT +05:30

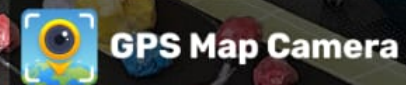




...guda, Hyderabad - 500082  
...nia University, Management Programs Approved by AICTE  
...sed by UGC u/s 2(f), an ISO 9001:2015 Certified Institution  
Accredited with B++ Grade by NAAC



...TMENT O  
...VILLA MARIE D  
...FOR W



Google

# Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India

Lat 17.42123° Long 78.459822°

13/03/2025 12:54 PM GMT +05:30







GPS Map Camera



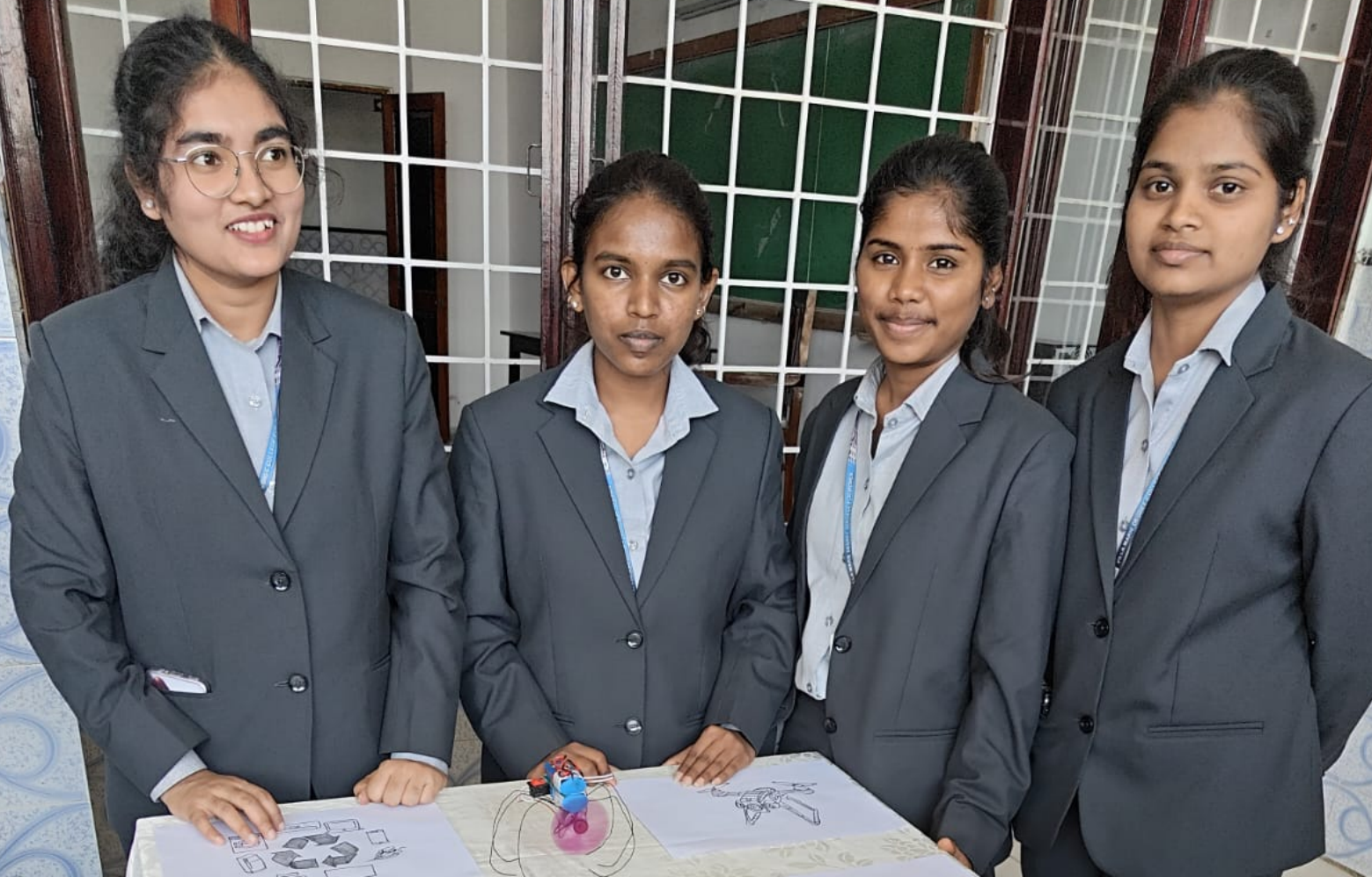
# Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India

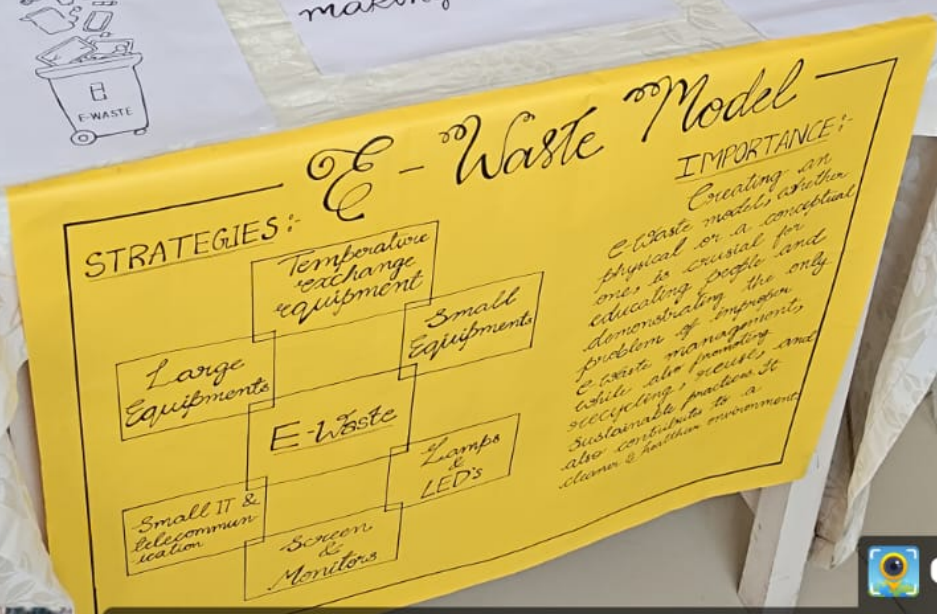
Lat 17.421216° Long 78.459817°

13/03/2025 12:56 PM GMT +05:30





Best out of  
E-Waste Model  
making competition



 **GPS Map Camera**

**Hyderabad, Telangana, India**

101, Somajiguda, Hyderabad, Telangana 500082, India

Lat 17.421217° Long 78.459814°

13/03/2025 01:03 PM GMT +05:30



Google






# Villa Marie Degree College For Women

6-3-1089, Raj Bhavan Road, Somajiguda, Hyderabad - 500082  
Affiliated to Osmania University, Management Programs Approved by AICTE  
Recognised by UGC u/s 2(f), an ISO 9001:2015 Certified Institution  
Accredited with B Grade by NAAC



 **GPS Map Camera**

## Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India

Lat 17.421292° Long 78.459903°

13/03/2025 01:22 PM GMT +05:30



Google






# Villa Marie Degree College For Women

6-3-1089, Raj Bhavan Road, Somajiguda, Hyderabad - 500082  
Affiliated to Osmania University, Management Programs Approved by AICTE  
Recognised by UGC u/s 2(f), an ISO 9001:2015 Certified Institution  
Accredited with B++ Grade by NAAC



 GPS Map Camera

## Hyderabad, Telangana, India

101, Somajiguda, Hyderabad, Telangana 500082, India

Lat 17.421244° Long 78.459796°

13/03/2025 01:26 PM GMT +05:30



Google