



TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE  
COLLEGE FOR WOMEN, SURYAPET.



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## Terrace Garden/Green House Garden

### Introduction

A Group of BZC MBZC Students from TTWRDCW,SURYAPET has created a unique terrace garden on Our College Premises using compost generated from household kitchen biowaste and Green Garden leaves.

Terrace gardens are a great way to add colour and beauty to Our College TTWRDCW,SURYAPET. They can also be used as an outdoor kitchen or simply as a place to hang out during summer. The best part about terrace gardens is that they are easy to maintain and add value to Our College in many ways. They don't take up much space, but they still give you enough space for activities like gardening or entertaining guests!

Terrace gardens can be made even if you have limited or no space in your current living situation (like an apartment), since there are many creative ways that people have come up with over time when designing these types of spaces themselves

### Things to consider before starting terrace gardening.

Before We start terrace gardening, We should consider the following:

- The space available in Our College. If you have limited or no space for a garden, it's still possible to grow plants on your terrace. You can use containers and other methods to limit the size of the area in which you plant them so that they don't take over all available space on your terrace.
- The type of plants that will work best for growing indoors in pots or containers. Some people prefer certain types when growing their own indoor gardens such as cacti and succulents while others like having more options when choosing which type of flower they want to grow because they're not sure exactly what kind would look good outside yet

### Creating Greenhouse/Shade house

All this changed since last month, How?.. We decided to build a greenhouse/shade house on the terrace of Our College TTWRDCW,SURYAPET.. It is accessible by a single metal ladder. It had more than 1000 sq ft of open space. We thought it will be a great place to grow plants.. Excellent sunlight, water facility .. Awesome right?.. Wind was the only problem. But shade house overcomes it.

Met some metal grill fabricators and toyed with few ideas and finalized on one. The work started on Dec 14<sup>th</sup> 2023. Since then, Me and Our Principal madam was very busy with building our dreams. we couldn't respond to many questions on the blog for this reason.

### **Here is the greenhouse at different stages of its growth.**

#### **Day – Zero**

This is how the terrace looked. Its on top of the 3rd floor and wind is at its best here.



#### **Stage One**

Pillars made of metal pipes set in place. The dimensions of the greenhouse came out to be 24 x 21 feet. How cool is that?

#### **Stage Two**

The metal tubings on the roof completed.

#### **Stage Three**

The pillars are connected to each other by metal rods, horizontally and there are rods welded vertically as well. Here is a shot with first coat of painting done.

#### **Stage Four**

After like 10 days, the guy finally finished all the metal work and handed over the greenhouse to us. we had the New year long weekend for us to finish.

I went and purchased a shade net bundle ( 35% shade). It measured 4mx50m. But our roof is 24x26 feet. So we had to stitch six cut sheets to cover the roof.

Here you see the top rectangle is covered with the shade net. It started to get a neat look but lot more work is pending.



### Selecting plants for the terrace garden.

- Choose plants that are easy to grow. Plants with large leaves and flowers will require less maintenance than smaller, more delicate ones.
- Choose plants that are easy to maintain. The soil in your terrace garden should be well-drained and free from weeds so that you can easily water the plants when necessary.
- Choose drought-tolerant plants for a successful terrace garden! Drought-tolerant plants like sagebrush or dwarf crested iris can withstand dry conditions better than landscaping materials, such as grasses and flowers.





## Planting and maintaining a terrace garden

The first step to planting a terrace garden is choosing the right plants. You should select plants that suit your climate and require minimal care. For example, if you live in an arid area like the southern United States, avoiding flowers and other ephemeral plants that need watering daily during hot summer months would be best. Instead, choose perennials such as azaleas or fruit trees such as apples or pears that can withstand drought conditions without dying off.

springtime is ideal since most annuals will still be dormant at this time (while most perennials will have started growing). Once springtime arrives and temperatures begin rising again, though—when those annuals have grown big enough—it may be necessary for them too go into dormancy so they don't burn up by midday! If this happens then try using shade cloth draped over young trees until they're big enough not only withstand sun but also protect themselves from being consumed by hungry insects like beetles who love eating leaves off trees' branches during high heat periods like summertime here in Alabama where I currently reside.”





## Designing a terrace garden

If you want to create a beautiful terrace garden, the first step is choosing the right plants. The next thing is planting them in their proper places and maintaining them properly so they last long.

Here are some tips on how to design your own terrace garden:

- Choose plants wisely – You need to choose plants which are easy for you to take care of as well as have good growth rate and resistance against pests, diseases etc., so that your plant does not get harmed in any way by insects or other insects eating away at its leaves or roots etc.. This can be done by purchasing some seeds from one of those online stores where many varieties are available at reasonable prices (if possible).



### **Advantages of Terrace gardening:**

- Lower the indoor temperature by 6 to 8°C and save money on air conditioning.
- Lower overall heat absorption of buildings and insulate them against heat and cold.
  - The ease of obtaining safe, pesticide-free, nutritious green and fresh fruits and vegetables.
- Promotes regular physical activity, clean air, and being in nature.
- Terrace gardens increase the amount of oxygen in the air.
  - Enhancing Air Quality The presence of any greenery around is always capable of absorbing dust and other airborne toxins, which are then washed away into the drains during rainy seasons. As a result, plants serve as natural filters for dust and other toxins.so, plants purify the air in and around the garden.
  - Green roof tops with living vegetation provide green spaces, reduce urban heat islands, conserve energy, improve air quality, and increase biodiversity. Balcony and terrace gardens provide pleasure to city dwellers as well as an opportunity to improve creativity and psychological well-being. Furthermore, they alter the visual appearance of the building, providing screening from neighbours and concealing an unsightly pipeline and unappealing scenery.

### **Conclusion**

In conclusion, terrace gardening is an easy and fun way to have plants in your home and Institutions. It does require some planning and thought, but once it's set up, the results are worth all the effort!

We prepared and published this seminar abstract for BZC students' seminar research. You should do your research in addition to this information before presenting your seminar.

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