



EVS Students (Environmental Studies)

Theme: Sustainability • Green Campus • Community Engagement

1. Significance of the Project

- Enhances **indoor air quality** and reduces pollutants.
 - Promotes **eco-conscious behavior** among students.
 - Creates a **visually appealing and calming learning environment**.
 - Encourages students to take **ownership of sustainable practices**.
 - Acts as a **hands-on extension of environmental education**.
 - Aligns with **Green Campus Initiatives** and **Swachh Bharat Abhiyan** goals.
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2. Process and Implementation Plan

Step 1: Orientation & Sensitization

- Conduct an awareness session on the **benefits of indoor plants** and their role in improving the environment and mental health.

Step 2: Plant Selection

- In collaboration with a **local nursery**, select low-maintenance, air-purifying indoor plants such as:
 - Snake plant (*Sansevieria*)
 - Money plant (*Pothos*)
 - Spider plant
 - Peace lily
 - ZZ plant (*Zamioculcas zamiifolia*)

Step 3: Group Formation

- Divide students into **eco-groups or green squads** for different campus zones (classrooms, library, corridors, labs).

Step 4: Setup & Plantation

- Each group contributes a set of plants with pots (can use upcycled containers to encourage reuse).
 - Labeling of plants with **botanical names, benefits, and care instructions**.
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3. Maintenance Plan

- Weekly plant care rota assigned to students.
- Record-keeping of watering, sunlight exposure, and plant health.
- Monthly inspection/reporting by faculty or eco-club leaders.
- Use of **organic compost** from college waste, if available.

4. Expected Outcomes

- Greener, healthier indoor environment across the campus.
 - Student participation in sustainable living and biodiversity awareness.
 - Development of responsibility, teamwork, and environmental stewardship.
 - Potential for research projects or data logging (growth rate, air quality index, etc.).
 - Enhanced aesthetics and positivity within the institution.
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5. Community and Nursery Collaboration

- Tie-up with **local nursery** for:
 - Bulk plant procurement at subsidized rates.
 - Student field visit to learn about local flora.
 - Workshops on plant care and urban gardening.
 - Involve **community volunteers or RWAs** to replicate this model in homes.
 - Share excess plants or cuttings in community drives.
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Optional Add-ons

- **QR code** tagging of each plant linking to student-created videos/blogs.
- Inter-departmental competition on “Best Maintained Green Zone.”
- Integration into **NAAC green audit** or college sustainability reporting.

-  **How the Green Belt Plant Project Engages Students Physically & Mentally**

Physical Involvement

1. Active Participation

- Students physically handle soil, pots, and plants—getting hands-on experience during plantation and care.
- Rotational duties like watering, pruning, and repositioning plants keep students **active and moving**, breaking the sedentary routine.

2. Eco-Club Tasks

- Participation in campus green audits, plant health monitoring, and compost preparation involve **on-ground action**.

3. DIY Plant Decor

- Creative activities like making eco-friendly pots, painting plant containers, or designing plant tags involve **fine motor skills and creativity**.

Mental & Emotional Engagement

1. Stress Reduction & Focus

- Greenery in classrooms has been shown to **reduce stress, improve mood**, and **boost concentration**.
- Caring for plants builds **mindfulness and emotional regulation**.

2. Responsibility & Ownership

- Assigning plant care duties gives students a sense of **ownership and accountability**.
- They feel **valued and trusted**, which improves self-esteem and emotional well-being.

3. Environmental Connection

- Encourages **eco-consciousness**, helping students relate classroom concepts to real-world environmental issues.

4. Collaborative Learning

- Team-based plant care promotes **teamwork, communication, and problem-solving**, making learning more dynamic.

During Class Hours

- 5–10 minutes at the beginning or end of class can be used for:
 - Quick check ups on plant health.
 - Reflective journaling or discussion about plant growth and observations.
 - “Green Talks” – short student presentations on plant benefits or eco-facts.
- Ideal for **EVS, Chemistry, and even soft skills sessions**.

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- Connect to topics like:
 - **Photosynthesis, transpiration, plant classification (Biology/EVS)**
 - **Carbon footprint reduction (Environmental Chemistry)**
 - **Sustainability and waste management (EVS projects)**

Benefits of Keeping Plants in Corridors (as an Environmentalist Initiative):

✓ 1. Improved Air Quality

- Plants **absorb carbon dioxide** and release oxygen.
- They **filter pollutants**, dust, and toxic gases from the air (like formaldehyde, benzene).
- Result: Fresher, cleaner air for students and faculty.

✓ 2. Noise Reduction

- Green plants **absorb and deflect sound waves**.
- Helps reduce **ambient corridor noise**, creating a more peaceful academic environment.

✓ 3. Temperature Regulation

- Plants help **cool the surroundings** through **transpiration**.
- Corridors with plants feel cooler and more comfortable, especially in summer.

✓ 4. Psychological and Health Benefits

- Greenery promotes **mental well-being**, reduces stress and eye fatigue.
- Increases **concentration, productivity, and mood** of students and staff.

✓ 5. Environmental Awareness

- Demonstrates a **live example** of sustainability.
- Encourages students to adopt **eco-friendly habits** in daily life.

✓ 6. Biodiversity Support

- Attracts **beneficial insects** like butterflies or bees (if flowering plants are chosen).
- Contributes to **micro-ecosystems** within urban areas.

✔ 7. Aesthetic and Educational Value

- Visually pleasing; improves college ambience.
 - Can be used as a **learning resource** for botany, ecology, and sustainability-related discussions.
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As an Environmentalist, You Gain:

1. **Practical implementation** of green concepts you learn
2. A **visible commitment to sustainability**, enhancing your image as an eco-leader.
3. **engagement** in environment-related projects (e.g., plant care, monitoring growth).
4. A small yet impactful step toward the **UN Sustainable Development Goals (SDGs)**, especially SDG 13 (Climate Action) and SDG 15 (Life on Land).
5. Opportunity to form a **Green Club** or **Eco-Committee** around this initiative.

Welcome to Our Green Corridor!

An Initiative by the Department Environmental Studies

A **Green Corridor** is a space enriched with **live plants** to promote a healthy, peaceful, and eco-friendly environment within our college premises.

Why Plants in the Corridor?

- ✔ **Cleaner Air:** Plants absorb CO₂ and pollutants, releasing fresh oxygen.
- ✔ **Noise Reduction:** Natural sound barriers for a more focused learning environment.
- ✔ **Cooling Effect:** Plants naturally regulate temperature through transpiration.
- ✔ **Mental Wellness:** Greenery reduces stress, improves mood, and boosts concentration.
- ✔ **Biodiversity Support:** Encourages eco-balance and invites small pollinators.

Learning by Living Green!

This corridor is a **living classroom**. Students will learn about:

- Sustainable development in action
 - Plant biology, climate awareness, and green chemistry
 - Environmental stewardship and daily eco-practices
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Be a Green Guardian!

- Do not pluck leaves or flowers.
 - Watering by student volunteers
 - Observe. Learn. Share. Be inspired!
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Let's grow together — for a cleaner, greener future.

Best Plants for Corridor (All-Season, Summer-Hardy, Low Maintenance)

1. Areca Palm (*Dyopsis lutescens*)

- **Air purifier gives** a tropical feel.
- Thrives in indirect sunlight.
- Needs watering 2–3 times/week in summer.

2. Snake Plant (*Sansevieria trifasciata*)

- Super tough and survives heat and low light.
- Excellent **oxygen-producing plant**, even at night.
- Water only once a week.

✓ 3. Spider Plant (*Chlorophytum comosum*)

- Very easy to grow, tolerant of heat and shade.
- Removes carbon monoxide and other pollutants.
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- Needs minimal care.

✓ 4. Aloe Vera

- Medicinal plants thrive in sun and partial shade.
- Very low water requirement.
- Perfect for summer, heat-tolerant.

✓ 5. Money Plant (*Pothos*)

- Grows well in water or soil.
- Can climb or hang; great for corridor walls.
- Needs only moderate watering and light.

✓ 6. Rubber Plant (*Ficus elastica*)

- Attractive large leaves; good air purifier.
- Can tolerate both bright and low light.
- Needs weekly watering in summer.

✓ 7. ZZ Plant (*Zamioculcas zamiifolia*)

- Survives neglect, perfect for corridors.
- Glossy leaves don't require frequent watering.
- Tolerates low light and heat.

✓ 8. Bougainvillea (in pots, optional)

- Bright flowers, very heat-resistant.
- Needs a sunny spot and occasional trimming.
- Good for vibrant color in sunny corridors.

Tips for Corridor Planting:

- Use **medium-to-large pots with drainage holes**.
- Choose **self-watering planters** if possible.
- Place trays under pots to avoid mess.
- Rotate plants occasionally for even growth.
- Create a **watering schedule** (especially in summer).

Plant Name	Features	Light Needed	Watering
Snake Plant (<i>Sansevieria</i>)	Hardy, survives low light, air purifier	Low to medium	Once a week
Spider Plant (<i>Chlorophytum</i>)	Fast-growing, removes indoor air pollutants	Medium	2–3 times/week
ZZ Plant (<i>Zamioculcas zamiifolia</i>)	Glossy leaves, survives neglect, low-light tolerant	Low to medium	Once in 7–10 days
Peace Lily (<i>Spathiphyllum</i>)	Beautiful white flowers, removes toxins	Low to medium	Keep soil moist
Aloe Vera	Medicinal, handles indoor heat and dryness	Bright indirect	Every 5–7 days
Money Plant / Pothos (<i>Epipremnum</i>)	Climbs or trails; easy to grow in water or soil	Low to bright	Every 4–5 days
Areca Palm	Adds greenery and cools air naturally	Indirect sunlight	2–3 times/week

Rubber Plant (<i>Ficus elastica</i>)	Glossy leaves, removes indoor pollutants	Medium light	Weekly
Philodendron	Heart-shaped leaves, purifies air	Indirect light	When soil dries
Aglaonema (<i>Chinese Evergreen</i>)	Colorful foliage, very low light tolerant	Low to medium	Once a week

"Be the reason your campus breathes fresher air."

– Start with one plant, and let the change grow.

Dear Students,

A heartfelt thank you to each one of you for your enthusiastic participation in the Green Belt Indoor Plant Project. 🌱

Your active involvement, creativity, and sense of responsibility have truly brought life, color, and purpose to our classrooms and campus. Every plant you've cared for is a step toward a cleaner, greener, and more conscious world—and you made it happen!

You've not only learned to nurture nature but also shown what teamwork and environmental responsibility look like in action. Your contribution will continue to inspire others and leave a lasting impact on our learning spaces.

Keep growing, keep greening, and remember:

"The change begins with you."

With appreciation and pride,

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