

REPORT ON GREEN CAMPUS INITIATIVES

P.E.S. College of Science, Arts & Commerce is highly committed towards creating and maintaining green campus. The College has made efforts to create awareness and to promote sustainable and eco-friendly practices among various stake-holders.

The College has taken following measures to achieve the objective of green campus

➤ **Restricted Entry of Automobiles**

The entry of automobiles is restricted inside the College campus. Only vehicles of students, staff and various authorities are allowed inside the Campus. Vehicles of general public are not allowed inside the Campus. Students, staff and various authorities have to park their vehicles in the designated parking area. Automobiles are not allowed into the administrative and academic areas.

➤ **Use of Bicycles / Battery Powered Vehicles**

Though the total extent of the College campus is 03.00 acres, the accessible area (other than Hostels, Playground) for the students and staff for regular academic activities is less.

➤ **Pedestrian Friendly Pathways**

The College has utmost concern towards the safety and convenience of pedestrians. Hence, pedestrian friendly pathways have been built using interlocking pavers. Further, the comfort of pedestrian friendly pathways is augmented by restriction of vehicular movements within the Campus.

➤ **Ban on the Use of Plastics**

As stated earlier, the College is committed towards maintaining green campus. There are two types of plastics. They are


- (i) single-use plastic
- (ii) reusable plastic.
- (iii) To encourage of Paper and Cloth Bags.

Single-use plastic is more detrimental to the environment when compared to reusable plastic. Hence, use of single-use plastic is banned in the Campus. Further, the College has urged the various stake-holders to reduce use of reusable plastic as much as possible.

➤ **Landscaping with Trees and Plants**

The campus is covered with lush green garden. Several initiatives have been undertaken by the College to beautify the Campus with trees and plants. There are plenty of flower-bearing, fruit-bearing and shade-giving trees and plants within the Campus.

There are 15 varieties of trees and some plants in the Campus. The College is committed to increase the number of trees and plants in the following years. The natural landscape predominates the Campus with a rich biodiversity of flora which is taken care of by a dedicated team of staff. Utmost care is taken to leave the flora and fauna in our campus undisturbed. A continuous monitoring of the biodiversity is carried out by students and staff.


IQAC Co-ordinator
PES College of Science, Arts
& Commerce, Mandya.


Principal
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Arts & Commerce, MANDYA.



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M.C. Road, Mandya, Karnataka – 571 401

Dr.H. Anilkumar, M.A.,Ph.D,
Principal

Affiliated to University of Mysore
Accredited by NAAC with 'A' Grade

POLICY ON

ENVIRONMENTAL CONSCIOUSNESS AND SUSTAINABILITY ON GREEN CAMPUS INITIATIVES

The awareness and practice with respect to environmental consciousness and Sustainability issues are of paramount importance in creating and maintaining clean, safe and green environment. In this regard, all stake-holders have to adopt sustainable and eco-friendly practices. In this specific policy on various aspects of environmental consciousness and Sustainability are stated in the ensuing paragraphs.

1. Vehicle Movement Policy

Vehicle movement within the Campus will not only create pollution but also disturbs the academic and administrative environment. It also possesses threat to the safety of various stake-holders. Hence, the Vehicle Movement Policy of the College is as follows:

- a. Vehicles shall not be allowed into academic and administrative areas.
- b. Staff and students shall park their vehicles in the designated parking area only.
- c. Outsiders' vehicles shall not be allowed inside the Campus.

2. Use of bicycle is not necessary because we don't have large/wide campus

3. Policy on Plastic Ban

Plastic is posing huge environmental threat. Banning all types of plastic is not practically possible. Hence, the Policy on Plastic is as follows:

- a. Single use plastic shall be banned inside the College campus.
- b. Use of reusable plastic shall be reduced as much as possible.
- c. Instead of Plastic bags, we encourage to use of paper or cloth bags.

4. Policy on Paper Usage

As paper is manufactured from trees and it requires huge amount of water in the manufacturing process. Further, carbon contained in the paper gets released into the environment when paper is used to make compost. Hence, Policy on Paper Management is as follows:

- a. Use of paper shall be reduced by adopting appropriate technology.
- b. Single side papers shall be used wherever possible.


5. Green Policy

The College shall focus on creating green and eco-friendly campus order to be environmentally sustainable. Green campus provides home for various species of flora and fauna. Thus, it helps in the maintenance of biodiversity. It is imperative that the College evaluates its own contributions towards a sustainable future. As environmental sustainability is becoming an increasingly important issue, the role of

higher educational institutions in relation to environmental sustainability is more prevalent. Hence, the Green Policy is as follows:

- a. Green scaping of the Campus shall be carried out on regular basis.
- b. Green canopy shall be improved.
- c. Green audit shall be carried out on yearly basis.
- d. Environment audit shall be carried out on yearly basis.
- e. Implementation of Green Projects such as Terrace Gardening.
- f. Use of Eco-Friendly pots in campus.
- g. Making Botanical Garden.
- h. Plantation of trees due to various environmental functions - Inside and Outside the college Campus.


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Ref. PES/Circulars/2017-18

08 Jul 2017

**CIRCULAR REGARDING
ENVIRONMENTAL CONSCIOUSNESS AND SUSTAINABILITY ON GREEN CAMPUS INITIATIVES**

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Hence, all staff and students are hereby directed to practice the following:

1. Vehicle Movement within Campus

- Staff and students shall park their vehicles in the designated parking area only.
- Vehicles are not allowed into academic and administrative areas.
- Outsider's vehicles are not allowed into campus.

2. Ban on Plastic

- Single use plastic is banned inside the College campus.
- Reduce the use of reusable plastic as much as possible.

3. Paper Management


- Reduce use of paper, as much as possible, by adopting relevant technology.
- Use single side papers wherever possible.

4. Save green

- We plant green saplings in campus.
- Follow all the precautionary measures to protect the green. Particularly not destroyed by students, visitors and all teaching & non-teaching staff.


IQAC Co-ordinator

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Principal
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Arts & Commerce, MANDYA.

Copy to:

- All heads of various Departments
- Notice boards.
- Office



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Ref. PES/Circulars/2018-19

08 Jul 2018

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I.C. Principal
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Ref. PES/Circulars/2019-20

08 Jul 2019

**CIRCULAR REGARDING
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Ref. PES/Circulars/2020-21

10 August 2020

**CIRCULAR REGARDING
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Ref. PES/Circulars/2021-22

08 Jul 2021

**CIRCULAR REGARDING
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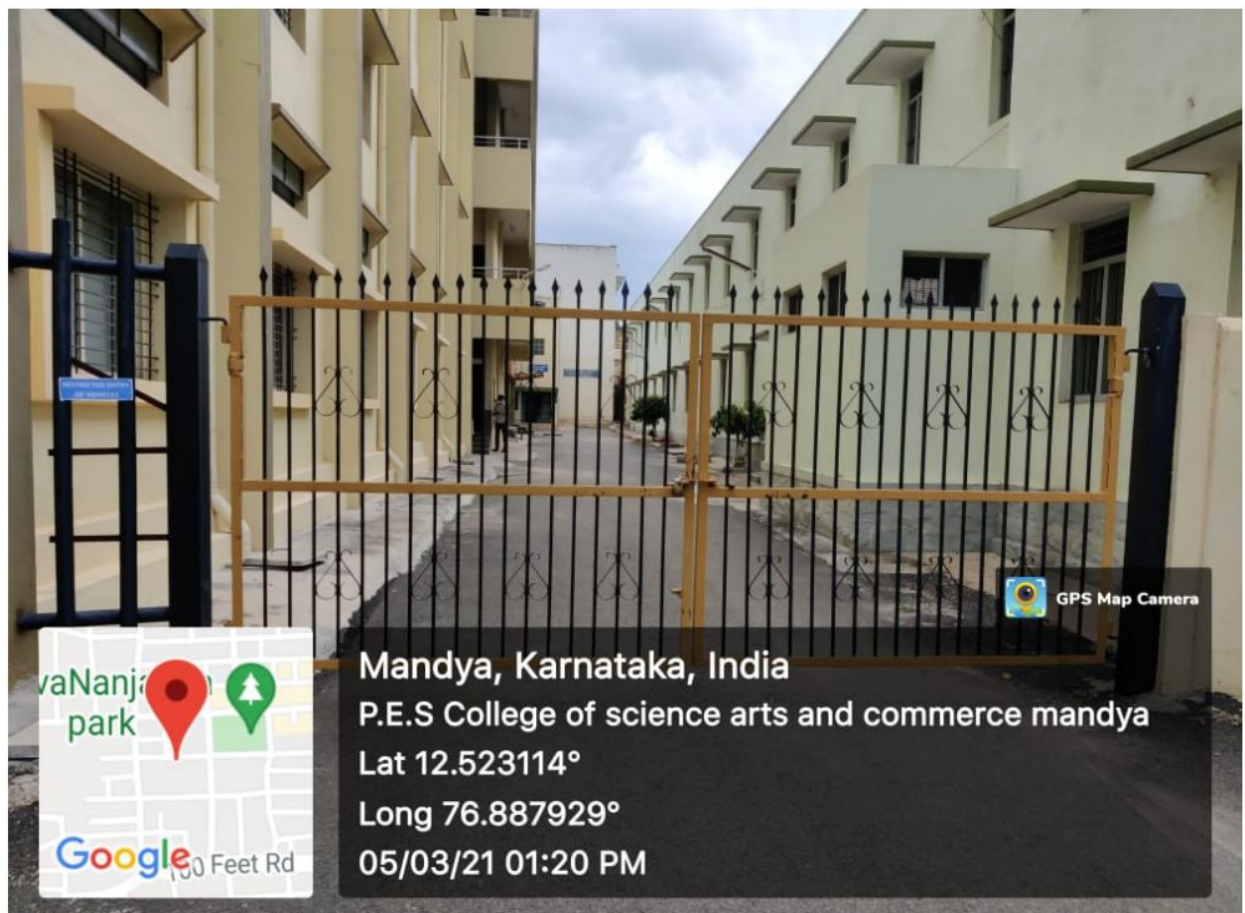
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❖ Restricted Entry of Automobiles



❖ Pedestrian Friendly pathways



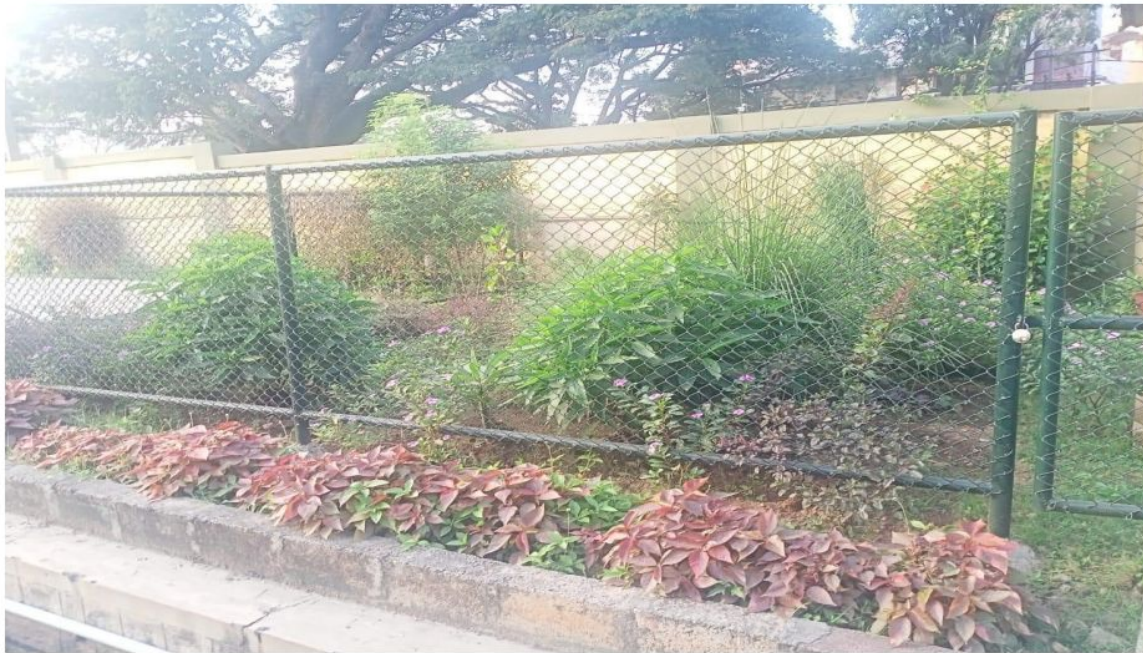
❖ Ban on use of Plastic



❖ Landscaping with trees and plants



❖ **Photo of Botanical Garden**



❖ **Photo of Terrace Garden**



Mandya, Karnataka, India
P.E.S. College of science, arts and commerce
Lat 12.525563°
Long 76.88813°
20/12/21 05:20 PM

LIST OF ORNAMENTAL PLANTS IN THE TERRACE GARDEN

<u>SL.NO</u>	<u>Scientific Name of the plant</u>	<u>ಸಸ್ಯದ ಹೆಸರು</u>
1.	Pistiastratiotes	ಪಿಸ್ತಿಯಾ ಸ್ಟ್ರಾಟಿಯೋಟ್ಸ್
2.	Asparagus officinalis	ಶತಾವರಿಅಫಿನಾಲಿಸ್
3.	Opuntia	ಒಪುಂಟಿಯಾ
4.	Pterisvittata	ತೇರಿಸ್ವಿಟ್ಟಾಟಾ
5.	Dieffenbachia seguine	ಡೈಫೆನ್‌ಬಾಚಿಯಾಸೆಗುಯಿನ್
6.	Chlorophytumcomosum	ಕ್ಲೋಫೈಟಮ್‌ಕೊಸಮ್
7.	Coleus aromaticus	ಕೋಲಿಯಮ್‌ಆರೋಮ್ಯಾಟಿಕಸ್
8.	Ocimumbasilicum	ಒಸಿಮಮ್‌ಬಸಿಲಿಕಮ್
9.	Cissusquadrangularis	ಸಿಸ್‌ಕ್ವಾಡ್ರಾಂಗುಲಾರಿಸ್
10.	Tradescantiaspathacea	ಟ್ರೇಡ್‌ಸ್ಕಾಂಟಿಯಾಸ್ಪಾಥೇಸಿಯಾ
11.	Bryophyllumpinnatum	ಬ್ರಿಯೋಫಿಲ್ಲಮ್‌ಪಿನ್‌ನಾಟಮ್
12.	Tinosporagrandiflora	ಟಿನೋಸ್ಪೊರಾ ಗ್ರಾಂಡಿಫ್ಲೋರಾ
13.	Aloe vera	ಲೋಳಿಸರ
14.	Balsam Impatiens	ಬಾಲ್ಸಮ್ ಇಂಪೇಶನ್ಸ್
15.	Piper beetle	ಪೈಪರ್‌ಬೀಟ್
16.	Pistiastratiotes	ಪಿಸ್ತಿಯಾ ಸ್ಟ್ರಾಟಿಯೋಟ್ಸ್

LIST OF FLOWERING PLANTS IN THE TERRACE GARDEN

<u>SL.NO</u>	<u>Scientific Name of the plant</u>	<u>ಸಸ್ಯದ ಹೆಸರು</u>
17.	<i>Chrysanthemum indicum</i>	ಕ್ರೈಸಾಂಥೆಮಮ್ ಇಂಡಿಕಮ್
18.	<i>Jasminum grandiflorum</i>	ಜಾಸ್ಮಿನಮ್ ಗ್ರಾಂಡಿಫ್ಲೋರಮ್
19.	<i>Gamphrenaglobosa</i>	ಗಾಂಫುನಾ ಗ್ಲೋಬೋಸಾ
20.	<i>Polianthes tuberosa</i>	ಸುಗಂದರಾಜ
21.	<i>Rosa species</i>	ಗುಲಾಬಿ
22.	<i>Tagetes erecta</i>	ಟಾಗೆಟ್ಸ್ ಎರೆಕ್ಟಾ
23.	<i>Gerbera daisies</i>	ಗರ್ಬೆರಾ ಡೈಸಿಗಳು

LIST VEGETABLE AND FRUIT PLANTS IN THE TERRACE GARDEN


<u>SL.NO</u>	<u>Scientific Name of the plant</u>	<u>ಸಸ್ಯದ ಹೆಸರು</u>
24.	<i>Manilkarazapota</i>	ಮಣಿಲಕರ ಝಪೋಟಾ
25.	<i>Mangifera indica</i>	ಮ್ಯಾಂಗಿಫೆರಾ ಇಂಡಿಕಾ
26.	<i>Zingiber officinale</i>	ಜಿಂಗೈಬರ್ ಅಫಿಷಿನೇಲ್
27.	<i>Curcuma longa</i>	ಕರ್ಕುಮಾ ಲಾಂಗಾ
28.	<i>Mexican tuberosa</i>	ಮೆಕ್ಸಿಕನ್ ಟ್ಯೂಬೆರೋಸ
29.	<i>Murrayakoenigii</i>	ಮುರ್ರಾಯ್ ಕೋನಿಗಿ
30.	<i>Carica papaya</i>	ಕ್ಯಾರಿಕಾ ಪಪಾಯಿ
31.	<i>Elettariacardamomum</i>	ಎಲೆಟೇರಿಯಾ ಏಲಕ್ಕಿ
32.	<i>Basella alba</i>	ಬಸೆಲ್ಲಾ ಆಲ್ಬಾ
33.	<i>Amorphophallus campanulatus</i>	ಅಮಾರ್ಫೋಫಾಲಸ್ ಕ್ಯಾಂಪನುಲಾಟಸ್
34.	<i>Citron lime</i>	
35.	<i>Lycopersicon esculentum</i>	ಲೈಕೋಪರ್ಸಿಕಮ್ ಎಸ್ಕುಲೆಂಟಮ್
36.	<i>Musa paradisiaca</i>	ಮೂಸಾ ಪ್ಯಾರಡಿಸಿಯಾಕಾ


37.	<i>Vitisvinifera</i>	ವಿಟಿಸ್ ವಿನಿಫೇರಾ
38.	<i>Psidiumquajava</i>	ಪ್ಸಿಡಿಯಮ್ ಗುಜಾವಾ
39.	<i>Moringaoleifera</i>	ಮೊರಿಂಗಾ ಒಲಿಫೇರಾ
40.	<i>Spinaciaoleracea</i>	□□□□□□□□□□□□□□□□
41.	<i>Pomelo</i>	ಪೊಮೆಲೊ

LIST OF PLANTS IN THE MEDICINAL PLANTS

Sl. No	Scientific Name of the Plant	Common Name	Kannada Name	No of Plants
42.	Adathodavasica	Adulasa	ಅಡುಸೋಗಿ	02
43.	Plumeriapudica	Bridal Bouquet	ದೇವಗಣಿಗಲು	01
44.	Callistemon citrinus	Bottle Brush	ಮುತ್ತುಗ	01
45.	Tinosporacordifolia	Giloy	ಅಮೃತಬಳ್ಳಿ	01
46.	Rauvolfiatertaphylla	Wildsnake root	ಸರ್ಪಗಂಧ	01
47.	Piper longum	Long pepper	ಹಿಪ್ಪಲಿ	03
48.	Hydrocotyleumbellata	Marsh pennywort	ಒಂದಲಗ	01
49.	Zingiberofficinale	Ginger	ಶುಂಠಿ	01
50.	Clitoriaternatea	Asian pigeon wings	ಶಂಕಪುಷ್ಪ	01
51.	Cymbopogoncitratus	Lemon grass	ನಿಂಬೆಹುಲ್ಲು	02
52.	Lawsoniainermis	Henna	ಮೆಹೆಂದಿ	01
53.	Coleus amboinicus	Indian Borage	ಸಾಂಬ್ರಾಣಿಗಿಡ	02
54.	Vitexnegundo	Lucky plant	ಲಕ್ಷ್ಮಿಗಿಡ	01
55.	Piper beetle	Beetle leaves	ವೀಳ್ಯದಲೆ	01
56.	Basala alba	Ceylon spinach	ನೀರು ಬಸಳ	01
57.	Bryophyllumcalycinum	Miracle leaf	ಪತ್ರಜೀವ	02
58.	Catharanthusroseus	Vinca plant	ಬಿಂದಿಗೆ ಹೂವು	02
59.	Hibiscus rosasinensis	Hibiscus	ದಾಸವಾಳ	01
60.	Clerodendruminermis	Indian privet	ವಿಷಮಧಾರಿ	01
61.	Aloevera	Alove	ಲೋಳೆಸರ	01
62.	Aervalanta	Mountain knot grass	ಬೀಳಿಸುಳಿ	01

63.	Alternanthea species	Gamphrena	ಒನಗನೆ	01
64.	Epilobiumbrachycarpum	Willow herb	ಬೈಚಾ ಗಿಡ	01
65.	Azadirachta indica	Neem	ಬೇವು	01
66.	Hedychium coronarium	White butterfly ginger lily	ಸುರಳಿಸುಗಂಧಿ	01
67.	Hemidesmus indicus	Indian sarsaparilla	ಸೊಗದೆಬೇರು	01
68.	Ocimum sanctum	Tulasi	ತುಳಸಿ	01
69.	Talinum paniculatum	Tincture plant	ಟಿಂಚರ್ನಸ್ಯ	01
70.	Hemigraphis alternata	Water leaf plant	ಕಾಡುಬಸಳೆ	01
71.	Ocimum album	Holy Basil	ಪವಿತ್ರ ತುಳಸಿ	01
72.	Saussurea obvallata	Sacred saussurea	ಬ್ರಹ್ಮಕಮಲ	01
73.	Vitex verazizanioides	Khus plant	ಲಾವಂಜ	02


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