

## **Best Practices of the Institution**

### **Best Practice – 1**

#### **1. Title of the Practice: Eco-friendly initiatives with flora and fauna**

#### **2. Objectives of the Practice:**

We have recognized the following objectives for the practice

1. To promote awareness on environmental issues among the students, staff, and society.
2. To keep rare and medicinal/herbal plants on the college campus
3. Oxyzon to create awareness on the importance of air purifying plants
4. To study and maintain Flora and Fauna in the college campus
5. To upkeep and implement “Swachh Bharat Abhiyan” for healthy India

#### **3. The Context:**

Healthy life starts with clean environment. The main aim of the exercise is to impart strong impact on environment cleanliness. The awareness provided should make the person more responsible and concern for the environment problems.

The campus is a residence for birds such as peacocks, mynah, seven sisters, humming birds, sparrows, different types of butterflies and insects etc. Teaching and Learning practices are held in our eco-friendly campus. The campus has lush of green landscaping with beautiful lawn and garden along with pavements. Many big trees existing on campus provide shelter to many birds. Palmyra palm and coconut tree which are grown around the college campus afford a natural shelter for birds like Parakeets, Indian rollers, Sparrows, Pigeons, Baya weaver birds and Bats. Weaver birds build nest and hatch their eggs on these trees. Parakeets and Indian rollers lived in the trunk of the tree. Birds such as king fisher bird, silver bills, palm swifts, quails, weaver birds, cranes lie over the trees and they are observed. Reptiles like Chameleons, snakes, lizards, scorpions are sheltered near the roots.

#### **4. The Practice:**

We have undertaken a program of labelling the plants on the college campus. The presence of 159 varieties of medicinal plants and 85 varieties of trees in the college develops beautiful campus with Lawns, Ornamental garden, Botanical garden, Herbal garden, Eco garden and OxyZon as well as Neem, Tamarind, Amla, Jamun, Arjuna, and Teak trees etc.

Ministry of AYUSH has provided 200 herbal plants sampling such as Aloe Vera, Tulsi, Mexican mint, Sweet basil and shoe flowers for maintaining at the campus. Vermicomposting units are also available in the campus. The objective is to create awareness of the solid waste management and recycle solid waste from the college campus and produce economically important Vermicomposting. The college has preserved Flora and Fauna in the campus.

#### **5. Evidence of Success:**

**This best practice has proven to be successful through the following activities:**

Through periodical tree plantations, The Flora and Fauna on the campus has been enriched and it further leads into eco-friendly campus.

OxyZon is the place which contains air purified plants is located inside the campus. Purified air obtained from OxyZon surely reduces the stress level of everyone and it keeps on refreshing their minds. It further helps everyone to be active by inhaling the pure oxygen acquired from the air purified plants such as Aloe Vera, Holy Basil, Sweet Basil, Mexican Mint.

Awareness campaign for the plastic-free campus through signboards/display boards made campus plastic free. Vermicomposting units help us to convert solid waste into organic fertilizers which minimizes the solid waste in the campus.

Through workshops/ seminars/expert lectures/ NSS/CSS/Eco club activities, students are made aware of environmental issues.

Mushrooms, insects, plants and trees in the campus are documented by conducting **Mycophotography competition and Entomography competition.**

#### **6. Problems Encountered and Resources Required:**

While carrying out this practice, following problems are encountered by the college.

- ✓ Greens initiatives are exciting but they are quite challenging assured with determination from all the stakeholders.
- ✓ Green Campus initiative is reasonably expensive practice. It needs a professional advice and investment of resources.

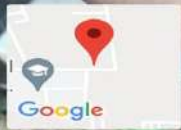
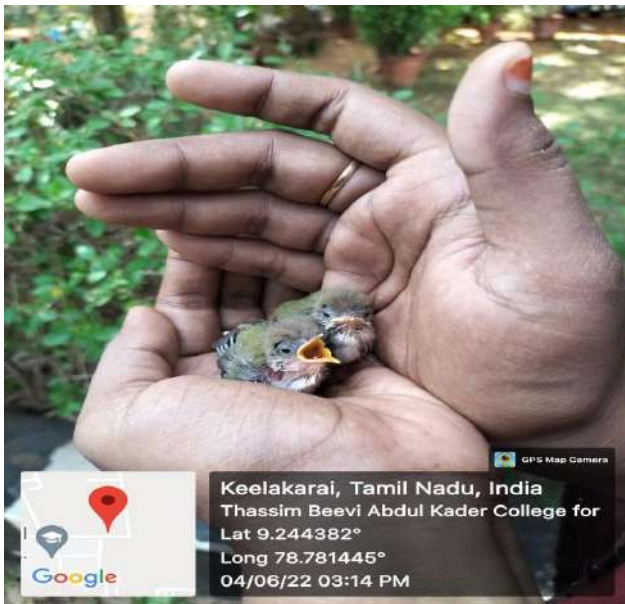
#### **OxyZon**



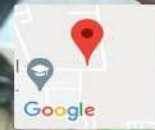
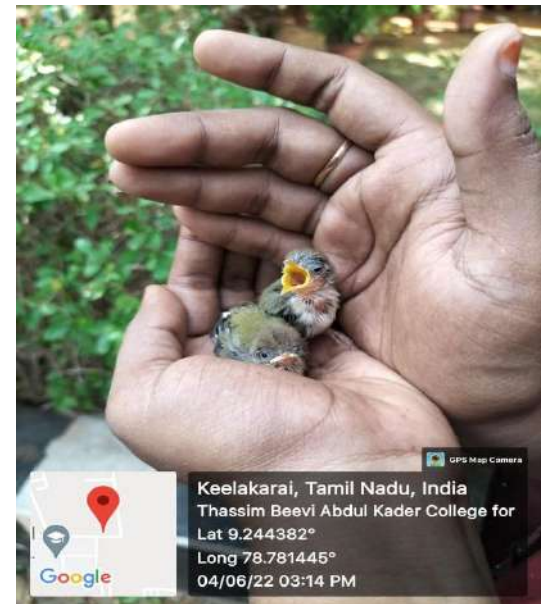
## Birds of TBAKC



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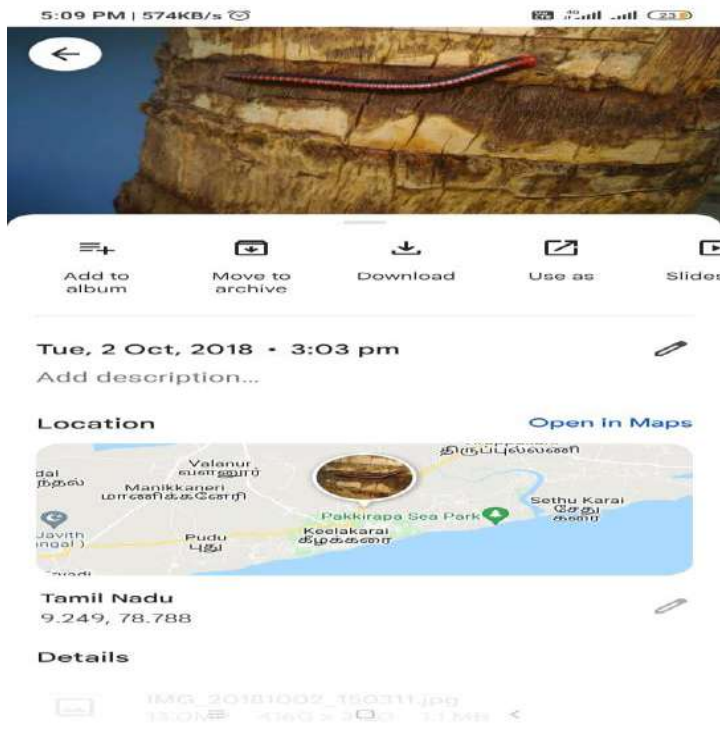


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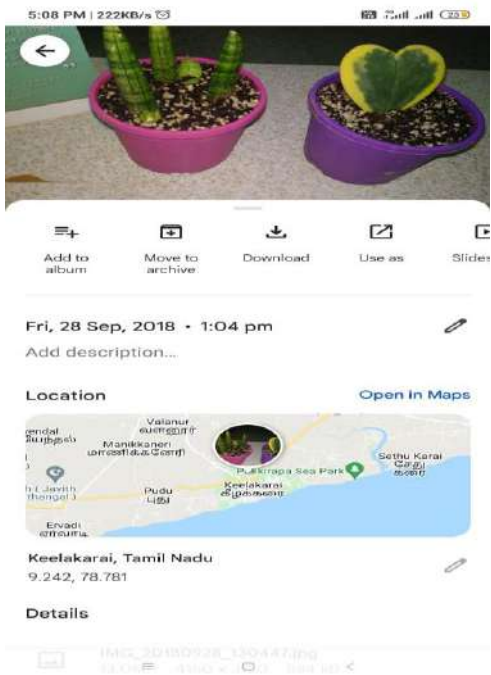
# Insects



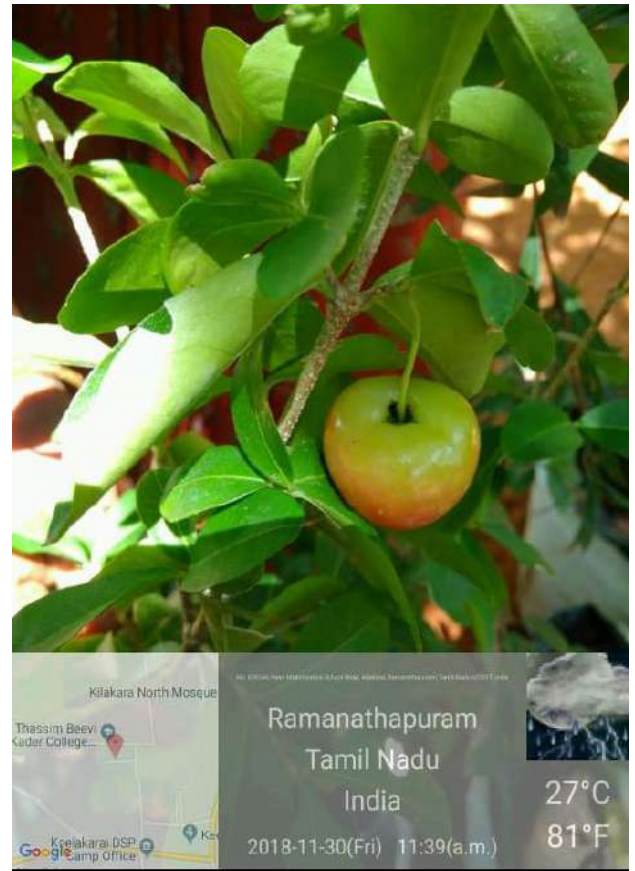
# Butterflies



# Plants



## Vegetables



## Best Practice -2

### 1. Title of the Practice

Preparation of Consumer Products by using chemical methods

### 2. Objectives of the Practice

- To improve skills for scaling up preparation of consumer products (White phenyl, Detergent powder, Vessel Cleaning powder, Candles, Sanitizer and Ink) for the cottage industry.

### 3. The Context

There are challenging issues that are mentioned below in implementing this practice.

They are:

- Making rules and designing standard operating procedures for consumer products
- Explain the concepts and its advantages to students
- Allocate extra working time during tight academic schedule
- Promote advertisements to increase consumer awareness and expectations about the benefits of consumer products and to increase the number of consumers to buy this product at reasonable price

#### 4. **The Practice**

The practice is unique in such a way that students of our institution who belong to rural areas are equipped with the knowledge to become an entrepreneur by manufacturing the products on their own. Consumer products like chalk, Hand Sanitizers, etc. are prepared and used in our college.

#### 5. **Evidence of Success**

The various consumer products prepared are given below:

Sanitizer, White phenyl, Detergent powder, Vessel Cleaning powder, Candles, and Ink .As the aforementioned products are prepared on our own and they are utilized for our college daily usage, there is no need for the amount spent on buying these products outside. It helps the institution to save certain money.

#### 6. **Problems Encountered and Resources Required**

- To equip the students to produce the consumer products like home sanitizer and soap solutions during pandemic period.
- Laboratory facility has to be upgraded to achieve a large number of consumer Products
- Students' academic time schedule restricts the students to increase the production and the promotion of products

**Students' involvement in the preparation of consumer products**









S.No	Date	Name	Department	Distribution Chemicals/thing	Lab Incharge Srgn.	Signature of The HoD.
1.	20/12/2021	K. Vasantha Rani (Preparation)	Chemistry	Sanitizer 50 litre Storage.		
2.	20/12/2022	Shella Mercy	House Keeping	200ml bottle ↓ 8		
3.	24/2/2020	Kovvathini	Tamil Hindi Arabic	150ml bottle ↓ 3		
4.	24/12/2022	Vengadeswar	English	2. bottle.		
5.	24/12/2022	Rajasthan	Maths	2. bottle.		

6.	24/12/2022	C. Keethiga devi	Microbiology	2. bottle		
7.	24/12/2022	Selvi	Computer Science	2. bottle.		
8.	24/12/2022	P. Sumathi	Commerce BBA	2. bottle.		
9.	24/12/2022	Syed Hassan Fatima	Psychology	1. bottle		
10.	24/12/2022	Sudha	Home science	2. bottle.		
11.	24/12/2022	IQAC (AFM)	IQAC	2. bottle. 1. bottle.		

Daily Rotation usage

