

# *GOVT DEGREE COLLEGE, PUTTUR*



QUALITY EDUCATION IS A GREAT TREASURE

## *BEST PRACTICE-I*

### *2024-25*

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*EARN WHILE YOU LEARN-  
CULTIVATION AND SELLING  
OF LEAFY VEGETABLES*

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*INTERNAL QUALITY  
ASSURANCE CELL  
IN COLLABORATION WITH DEPT. OF BOTANY*

## *BEST PRACTICE -I*

### **DEPARTMENT OF BOTANY**

#### **Name of the Practice: Earn While You Learn - Cultivation and Sale of Leafy Vegetables**

##### **1. OBJECTIVES OF THE PRACTICE**

- To inculcate entrepreneurial skills and self-reliance among students through hands-on agricultural activities.
- To provide students with an opportunity to earn while gaining practical knowledge of organic vegetable cultivation.
- To create awareness about sustainable farming practices and the benefits of consuming pesticide-free leafy vegetables.
- To promote the concept of "farm-to-table" within the campus community.
- To instil a sense of responsibility and teamwork in students by involving them in production, management, and marketing processes.

##### **2. THE CONTEXT**

The "Earn While You Learn" scheme was introduced to bridge the gap between academic knowledge and practical application, particularly in agriculture. The initiative sought to:

- Address the growing need for practical exposure to organic farming methods, especially for students studying agricultural or life sciences.
- Offer an innovative solution to enhance students' financial independence while honing their skills.
- Cater to the increasing demand for fresh and chemical-free vegetables among the college faculty and students.
- Overcome challenges related to the lack of available platforms for students to develop entrepreneurial and business skills in a real-world setting.

The primary challenge was to balance academic schedules with the activities of the initiative while maintaining the quality of the produce.

### **3. THE PRACTICE**

The practice was implemented as a structured program encompassing cultivation, management, and marketing activities:

#### **1. Selection of Crops:**

- Leafy vegetables like Amaranthus, Hibiscus cannabiss, Coriander, fenugreek, fenugreek, and coriander were chosen due to their short growth cycle, high yield, and nutritional value.

#### **❖ Training and Execution:**

- Students were trained in sustainable farming techniques, including organic compost preparation, seed selection, and pest management.
- Faculty members guided students on efficient use of limited space and resources for maximum output.

#### **❖ Cultivation Process:**

- A designated plot on campus was allocated for the program.
- Raised beds were prepared, and students worked collaboratively to sow seeds, water, weed, and manage pest control. Organic fertilizers, such as vermicompost, were used.

#### **❖ Harvesting and Selling:**

- Vegetables were harvested at maturity, cleaned, and packaged in eco-friendly materials.
- The produce was marketed to faculty and students on campus at affordable prices, emphasizing freshness and health benefits.
- A portion of the revenue was reinvested in the initiative, while the remaining amount was shared among participating students.

### **4. EVIDENCE OF SUCCESS**

- **Increased Engagement:** Active participation of students led to enhanced practical knowledge of agricultural practices.

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- **Positive Feedback:** Faculty and students appreciated the availability of fresh, organic vegetables at reasonable prices.
- **Skill Development:** Students acquired valuable skills, including cultivation techniques, teamwork, time management, and basic marketing strategies.
- **Sustainability:** The initiative demonstrated the feasibility of organic farming as a self-sustaining activity.
- **Economic Gains:** Students earned a modest income by selling leafy vegetables to faculty and students, thus achieving the core objective of the program.

#### **Selling Details of the leafy vegetables**

Sl. No.	Date	Name of the leafy vegetable sold	Name of the faculty purchased	Amount received (Rs)
1	03-09-2024	Amaranthus	Dr G Koteswaraiah, Principal	40
2	03-09-2024	Amaranthus	Dr P Gayathri, Lecturer in Mathematics	30
3	03-09-2024	Amaranthus	Sri. A Nageswara Rao. Lecturer in Political Science	20
4	03-09-2024	Amaranthus	Smt. Gowri, UDC	20
5	03-09-2024	Amaranthus	Smt S Padmavathi, Lecturer in Botany	20
6	03-09-2024	Amaranthus	Dr P Sujana Lecturer in Botany	40
7	03-09-2024	Amaranthus	Dr J Koteswara Rao Lecturer in Botany	20
8	03-09-2024	Amaranthus	Dr Kanderi Sreedevi, Lecturer in English	40
9	03-09-2024	Amaranthus	Sri, V Veeraiah, Lecturer in Physics	30
10	03-09-2024	Amaranthus	Sri Gnana Prakash, Record assistant	20
11	12-09-2024	Thota Kura	Dr M. Sankar Rao Lecturer on Chemistry	40
12	12-09-2024	Hibiscus cannabiss	Smt S Padmavathi, Lecturer in Botany	30
13	12-09-2024	Hibiscus cannabiss	Dr P Sujana Lecturer in Botany	40
14	12-09-2024	Hibiscus cannabiss	Dr J Koteswara Rao Lecturer in Botany	30
15	12-09-2024	Hibiscus cannabiss	Sri. A Nageswara Rao. Lecturer in Political Science	20

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<b>Sl. No.</b>	<b>Date</b>	<b>Name of the leafy vegetable sold</b>	<b>Name of the faculty purchased</b>	<b>Amount received (Rs)</b>
16	12-09-2024	Amaranthus	Dr V Vasavi, Lecturer in Commerce	20
17	12-09-2024	Amaranthus	Dr G Gangaiah Lecturer in Commerce	20
18	12-09-2024	Amaranthus	Dr A Sujala Swapna Smitha, Lecturer in Physics	40
19	12-09-2024	Amaranthus	Dr M Narasimhulu, Lecturer in Telugu	20
20	20-09-2024	Hibiscus cannabis	Dr G Koteswaraiah, Principal	20
21	20-09-2024	Hibiscus cannabis	Dr M Sharmila, Lecturer in Zoology	60
22	20-09-2024	Hibiscus cannabis	Dr K. Vishnu Priya, Lecturer on Chemistry	20
23	20-09-2024	Hibiscus cannabis	Dr B Vanisree, Lecturer in Hindi	20
24	20-09-2024	Hibiscus cannabis	Sri Gnana Prakash, Record assistant	20
25	20-09-2024	Fenugreek	Dr P Sujana Lecturer in Botany	40
26	20-09-2024	Fenugreek	Dr J Koteswara Rao Lecturer in Botany	20
27	27-09-2024	Amaranthus	Dr G Koteswaraiah, Principal	40
28	27-09-2024	Amaranthus	Smt S Padmavathi, Lecturer in Botany	100
29	27-09-2024	Amaranthus	Dr P Sujana Lecturer in Botany	20
30	27-09-2024	Amaranthus	Sri T Narasimhulu, Lecturer in Economics	100
31	27-09-2024	Amaranthus	Dr M. Sankar Rao Lecturer on Chemistry	20
32	27-09-2024	Amaranthus	Dr K. Vishnu Priya, Lecturer on Chemistry	20
33	05-10-2024	Hibiscus cannabis	Dr P Sujana Lecturer in Botany	40
34	05-10-2024	Hibiscus cannabis	Dr J Koteswara Rao Lecturer in Botany	40
35	24-10-2024	Radish	Dr A Sujala Swapna Smitha, Lecturer in Physics	20
36	24-10-2024	Radish	Dr K. Vishnu Priya, Lecturer on Chemistry	20
37	25-10-2024	Coriander	Smt S Padmavathi, Lecturer in Botany	50
38	25-10-2024	Coriander	Dr J Koteswara Rao Lecturer in Botany	50

### *Earn While you learn-Cultivation of leafy vegetables*

Sl. No.	Date	Name of the leafy vegetable sold	Name of the faculty purchased	Amount received (Rs)
39	21-11-2024	Hibiscus cannabiss	Dr B Chandarmouli, Principal	100
40	21-11-2024	Hibiscus cannabiss	Smt S Padmavathi, Lecturer in Botany	40
41	21-11-2024	Hibiscus cannabiss	Dr J Koteswara Rao Lecturer in Botany	40
42	21-11-2024	Hibiscus cannabiss	Dr P Sujana Lecturer in Botany	20
43	07-09-2024	Selling of all type of Vinayaka pathri collected to all the faculty		650
Total				2010

Income and Expenditure Incurred and Income generated:

**Procuring seeds -Rs 100**

**Income generated Rs 2010**

#### **5. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED**

##### **Problems Encountered:**

1. **Space Limitations:** The cultivation area was restricted, requiring innovative solutions to optimize space.
2. **Time Management:** Balancing academic responsibilities with farming activities was challenging for students.
3. **Seasonal Variability:** Weather conditions occasionally impacted crop growth and yield.
4. **Initial Resistance:** Convincing students and faculty of the benefits of organic farming required consistent effort.

##### **Resources Required:**

1. Seeds of leafy vegetables (Amaranthus, Hibiscus cannabiss, Coriander, fenugreek, etc.).
2. Organic fertilizers and tools for soil preparation.
3. Irrigation facilities such as hosepipes or rose cans.
4. Packaging materials for harvested produce.
5. Supervision and guidance by faculty members to ensure the smooth functioning of the program.

#### **Conclusion**

The "Earn While You Learn" scheme successfully combined practical agricultural training with entrepreneurship, fostering financial independence among students. The initiative not only enhanced students' skills in sustainable farming but also promoted the consumption of organic produce on campus. This program serves as an excellent model for integrating education with practical, income-generating activities. Future plans include expanding the program to include more crops and participants, thus amplifying its impact and outreach.



**PHOTOGALLERY**

**Harvesting of Leafy Vegetable**



**Bundling of Leafy Vegetable**





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### Leafy Vegetable s kept for Sale in Botany lab



### Harvesting of Hibiscus cannabiss





**Faculty purchasing of Leafy Vegetables**





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### Principal G Koteswaraiah garu purchasing of Leafy Vegetables



### Principal Dr B Chandramouli garu purchasing of Leafy Vegetables



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