GOUR MAHAVIDYALAYA
Department of Botany
ACCREDITED BY NAAC (2nd Cycle) B+

E-mail: gcbotanydept@gmail.com
www.gourmaha.org

P.O.-Mangalbari, Dist.:Malda.Pin–732142(W.B.)
Phone:03512-260547;Fax03512-260547

Plant Nursery Management: A New Way of Entrepreneurship

Department of Botany,
Gour Mahavidyalaya

GOUR MAHAVIDYALAYA
Department of Botany
ACCREDITED BY NAAC (2nd Cycle) B+

E-mail: gcbotanydept@gmail.com
www.gourmaha.org

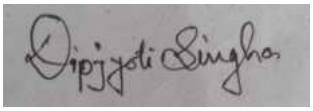
P.O.-Mangalbari, Dist.:Malda.Pin–732142(W.B.)
Phone:03512-260547;Fax03512-260547

Department of Botany,
Gour Mahavidyalaya

Title of the Activity: **Plant Nursery Management: A New Way of Entrepreneurship**

NOTICE

Department of Botany planned on Plant Nursery Management: A New Way of Entrepreneurship in our Department from 21-06-2022 to 31-12-2022. All students are asked to enroll themselves positively.



Dipjyoti Singha,
Department of Botany

GOUR MAHAVIDYALAYA
Department of Botany
ACCREDITED BY NAAC (2nd Cycle) B+

E-mail: gcbotanydept@gmail.com
www.gourmaha.org

P.O.-Mangalbari, Dist.:Malda.Pin–732142(W.B.)
Phone:03512-260547;Fax03512-260547

ABSTRACT Plant nursery business is one of the emerging businesses now days in rural area. Applications of entrepreneurship in plant nursery business enhance the knowledge of modern entrepreneurship and agro-entrepreneurship. Buying and selling of plant improve the economic position of the locality. It may help create more and more employment, create more income which may lead to improve their standard of living. This paper has tried to investigate the needs of nurseries and discuss how entrepreneur can enter in this business, how this business can generate employment and at the same time help to flourish the local economy.

Keyword: Plant, Business, Economy, Employment etc.

INTRODUCTION Nursery is a place where plants are propagated and grown to usable size. There are retail nurseries which sell to the general public, wholesale nurseries which sell only to other nurseries and to commercial landscape gardeners and private nurseries which supply the needs of institutions or private estates. Some retail and wholesale nursery sell by mail. Nurseries grow annuals, perennials, and woody plants (trees and shrubs). These have a variety of uses: decorative plants for flower gardening and landscaping, garden vegetable plants, and agricultural plants. Nurseries often grow plants in a greenhouse, a building of glass or in plastic tunnels, designed to protect young plants from harsh weather (especially frost), while allowing access to light and ventilation. Modern greenhouses allow automated control of temperature, ventilation and light and semi-automated watering and feeding. Some also have fold-back roofs to allow "hardening-off' of plants without the need for manual transfer to outdoor beds. Some nurseries specialize in one phase of the process: propagation, growing out, or retail sale; or in one type of plant: groundcovers, shade plants, fruit trees, or rock garden plants. Nurseries remain highly labor-intensive.

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Ashim Kumar Sarkar, M.A, M.Phil. ,Ph.D
732142(**W.B.**)
Principal
260547
principalgourcollege@gmail.com

P.O.- Mangalbari, Dist. : Malda. Pin -

Phone : 03512- 260547; Fax 03512-

E-mail : gour_maha@yahoo.co.in
www.gourmaha.org

SIGNIFICANCE OF THE STUDY

- **Academic significance**

Applications of entrepreneurship in plant nursery business enhance the knowledge of modern entrepreneurship and agro-entrepreneurship. How it will solve the local unemployment or generate more employment, a model may be developing in this regards. It also leads to develop the relation between plant nursery businesses with protection of environment.

- **Economic point of view**

a. Plant nursery development technique may develop a new idea in agri-business. Such business can help to develop non-traditional business for young village people as start-up business.

b. Buying and selling of plant improve the economic position of the locality. It may help create more and more employment, create more income which may lead to improve their standard of living.

c. It will also help to crate sustainable development from the point of view of environment.

OBJECTIVES OF THE STUDY

1. To know the percentage of employment generation in this particular field of nursery business.

2. To assesses effects to this business of plant nursery on the local economy.

Establishment of Units:

(a) **Name and Style:** The unit will function under the name and style of Shade-net: Nursery.

(b) **Place & Location:** The units will function at college campus of Gour Mahavidyalaya, Mangalbari, Malda. It's Communicate by road and farmers of so many Village Can easily visit Centre.

GOUR MAHAVIDYALAYA
Department of Botany
ACCREDITED BY NAAC (2nd Cycle) B+

E-mail: gcbotanydept@gmail.com
www.gourmaha.org

P.O.-Mangalbari, Dist.:Malda.Pin–732142(W.B.)
Phone:03512-260547;Fax03512-260547

Activity 1: (Month June, 2022)

Demonstrate soil solarisation technique.

Material required: Water, harrow and polythene film of 200 gauge

Procedure

• Plough the land thoroughly with the help of a harrow during June.

• Prepare the seedbed by making it free of weeds, stumps, stones, pebbles, etc.

• Level the soil, irrigate and cover it with a black polythene film of 200 gauge for 5−6 weeks during summer.

• The side margin of the polythene film must be buried in the soil using wet soil (compressed mud) to check the loss of moisture and prevent the entry of air from beneath the polythene film.

Activity 2: (Month July, 2022)

Prepare a raised nursery bed.

Material required: Seedbed, spade, seeds, rotten farmyard manure, khurpi, watering can, mulching material (dried leaves)

Procedure

• Select a plot, which is sterilized by soil solarisation technique or with chemicals.

• Level the land and make it free from weeds, stumps, stones, pebbles, etc.

• The soil of the nursery bed is thoroughly mixed with

5−10 kg per sqm of rotten farmyard manure.

• Prepare drainage channels to drain out excess water.

• Prepare seedbeds about 15 cm high from the ground level. The width is kept 1–1.5 m and the length 3−5 m.

• A space of 30−40 cm is left between two beds in order to carry out cultural practices smoothly.

• The treated seeds are sown width-wise in lines.

• Cover the seedbeds with mulching material and water them lightly using a watering can having a fine nozzle.

GOUR MAHAVIDYALAYA

ACCREDITED BY NAAC (2nd Cycle) B+

Dr. Ashim Kumar Sarkar, M.A, M.Phil. ,Ph.D
732142(**W.B.)**
Principal
260547
principalgourcollege@gmail.com

P.O.- Mangalbari, Dist. : Malda. Pin -

Phone : 03512- 260547; Fax 03512-

E-mail : gour_maha@yahoo.co.in
www.gourmaha.org

Activity 3: (Month August, 2022)

Prepare potting media.

Material required: Sand, soil, rotten farmyard manure, pot, spade

Procedure

• Collect the required ingredients.

• Measure the volume of sand, soil and farmyard manure (FYM) as per need.

• Mix sand, soil and FYM thoroughly.

• Store the potting media in a shady place away from direct sunlight.

• Make a heap of the potting mixture for future use.

Activity 4: (Month September, 2022)

Identify different type of growing media.

Material required: Sand, compost, coir peat, vermiculite, perlite, sawdust, practical file, etc.

Procedure

• Collect different type of growing media available nearby.

• Identify and label them.

• Write the use of each type of growing media.

Activity 5: (Month October, 2022)

Demonstrate seed sowing in plug-trays.

Material required: Plug-trays (pro-trays), potting mixture, seeds and fine nozzle can

Procedure

• Clean the pro-trays. Make sure that the drainage holes of the pro-trays are not blocked.

• Fill the pro-trays with coco peat.

• Make small depressions (0.5 cm) at the center of the plugs with fingertips for the sowing of seeds.

E-mail: gcbotanydept@gmail.com
www.gourmaha.org

P.O.-Mangalbari, Dist.:Malda.Pin–732142(W.B.)
Phone:03512-260547;Fax03512-260547

• One seed is sown per cell and is covered with coco peat.

• Cover the pro-trays with a polythene sheet and keep it like that for few days or till germination starts.

• After germination (5 – 6 days), the polythene sheet is removed and water is sprinkled on the plug-trays with a fine nozzle can.

Activity 6: (Month November, 2022)

Demonstrate the potting of ornamental plants.

Material required: Pots, crocks, potting mixture, khurpi, watering can and towel

Procedure

• Select a pot as per the requirement of your plant.

• Before filling the pot, crocks of 3−5 cm must be placed at its drainage hole to avoid clogging.

• Fill the pot with 5−8 cm layer of coarse sand, leaving

2.5 cm from the rim for holding water.

• Carefully dig out a healthy and well-rooted cutting or plant from the nursery bed and place it with the ball of earth in the center of the pot.

• Fill the potting mixture all around the ball of earth, and press it firmly and uniformly.

• Water the plant with a fine nozzle can immediately after planting.

• Place the potted plant in a cool shady place for its establishment.

• Staking is also provided, depending on the plant type, for support.

Activity 7: (Month December, 2022)

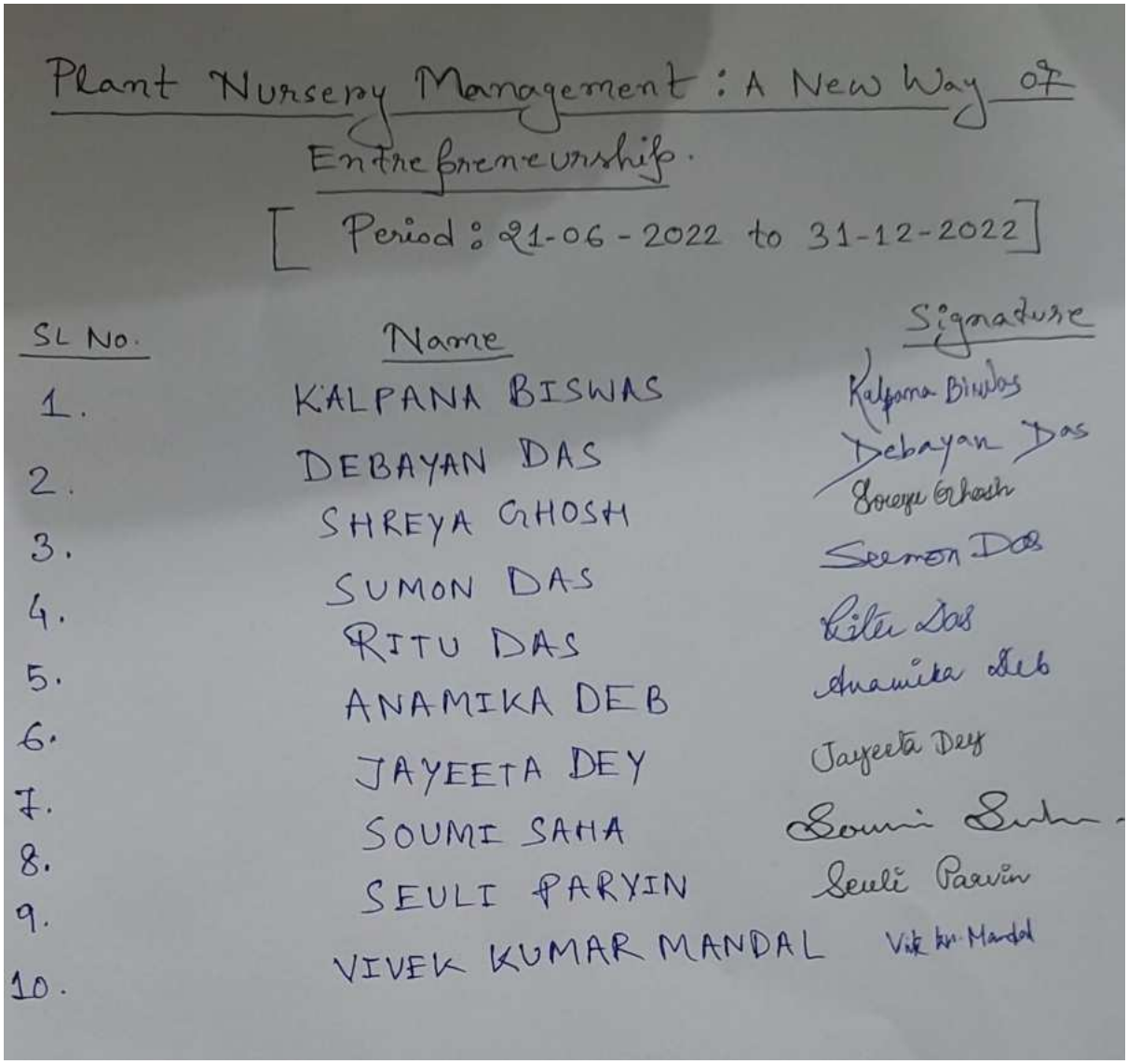
Nursery maintaining and student Progress testing

GOUR MAHAVIDYALAYA
Department of Botany
ACCREDITED BY NAAC (2nd Cycle) B+

E-mail: gcbotanydept@gmail.com
www.gourmaha.org

P.O.-Mangalbari, Dist.:Malda.Pin–732142(W.B.)
Phone:03512-260547;Fax03512-260547

Student Signature and Feedback:



Plant Nursery Management : A New Way of Entrepreneurship.

[Period : 21-06-2022 to 31-12-2022]

Sl No.	Name	Signature
1.	KALPANA BISWAS	Kalpana Biswas
2.	DEBAYAN DAS	Debayan Das
3.	SHREYA GHOSH	Shreya Ghosh
4.	SUMON DAS	Sumon Das
5.	RITU DAS	Ritu Das
6.	ANAMIKA DEB	Anamika Deb
7.	JAYEETA DEY	Jayeeta Dey
8.	SOUMI SAHA	Soumi Saha
9.	SEULI PARVIN	Seuli Parvin
10.	VIVEK KUMAR MANDAL	Vivek Kr Mandal

Abhiram Kumar Sarkar

Principal
GOUR MAHAVIDYALAYA
Mangalbari, Malda.