

Vishnu Waman Thakur Charitable Trust's
Bhaskar Waman Thakur College of Science,
Yashvant Keshav Patil College of Commerce,
Vidhya Dayanand Patil College of Arts,
(VIVA College)



**Understanding
Herbarium
(CC-UH)**

VISHNU WAMAN THAKUR CHARITABLE TRUST'S
BHASKAR WAMAN THAKUR COLLEGE OF SCIENCE,
YASHVANT KESHAV PATIL COLLEGE OF COMMERCE,
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VIVA COLLEGE



DEPARTMENT OF BOTANY

IN ASSOCIATION WITH
VIVA COLLEGE HERBARIUM

ORGANISES 30 HOUR CERTIFICATE COURSE

UNDERSTANDING HERBARIUM AY 2021-22

WHO CAN ATTEND THE SEMINAR

Students or anyone interested in Herbarium or plant-based studies and has basic knowledge about plants morphology

COURSE CONTENT

Theory Modules

Plant Material Collection Techniques
Nomenclature
herbarium Preparation
Herbarium caution and care
Managing and curation
Plant Identification

Practical Modules

Field Collection
Herbarium preparation
Preparation of Taxonomic Key
Taxonomic Database
Herbarium Curation

January - February 2022

LIMITED SEATS: 40 ONLY (FIRST COME FIRST SERVE BASIS)

COURSE FEE: FREE OF COST

RESOURCE PERSON: MR. HENSAL RODRIGUES & MR. KIRAN CHAKRAL

Dr. Deepa Verma
Head, Department of Botany & Vice principal &
IQAC Co-ordinator

Mrs. Prajakta Paranjape
Vice Principal

Dr. A.P. Pandey
Principal



Late Shri. Vishnu Waman Thakur Charitable Trust's
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(Affiliated to University of Mumbai)
(NAAC ACCREDITED-'B' Grade, CGPA 2.69)

VIVA COLLEGE HERBARIUM (VCH)
Skill Development Certificate Course on Understanding Herbarium (SHSTP01)
Year: 2022

January 2022

Objective:

- To inculcate basic Herbarium Handling Knowledge
- To train in curating a Herbarium
- To teach the usage of Herbarium and its resources

VIVA College Herbarium (VCH) in association with the Department of Botany proposes a short-term skill development certificate course (Non-Credit) on Understanding Herbarium which begins from 10th January. Course Code-SHSTP01 (s= Science, H=Herbarium, STP= Short Term Program, 01- Assigned Number of the Course)

This short-term skill development certificate course aims to train the participants to obtain hands-on experience in a Herbarium

Who can Join: Students or anyone interested in Herbarium or plant-based studies and has basic knowledge about plants morphology

Batch size: 20 Participants Maximum

Course duration:

Total 30 Hrs.

01 Hrs. Introduction to course
14 Hrs. working hours for theory
21 Hrs. working hours for Practical

Course fees: NIL

**Venue: Old VIVA College Seminar hall and/or Biolab.
(or pre-decided location)**

Course Timing:

Will be decided in accordance with the participants and the resource person (tentative timing will be around 1pm)

Resource Person:

Hensal Rodrigues & Kiran Chakral



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Contact Person: Mr. Hensal Rodrigues
(8898831586), Mr. Kiran Chakral (9004230925) Asst.
Prof., Department of Botany, VIVA College, Virar (W.)
401303.

Course Content and Tentative Schedule:

Theory Component: 12 working hours

Theory	Date	Day	Duration	Topic
TI	11/01/2022	Tuesday	02 Hrs.	Inauguration Introduction: Importance and Relevance of Herbarium
TII	12/01/2022	Wednesday	02 Hrs.	Plant Material Collection Techniques: Tips and Tricks
TIII	18/01/2022	Tuesday	02 Hrs.	Nomenclature: Type concept, Shenzhen code, APG IV
TIV	19/01/2022	Wednesday	02 Hrs	Herbarium preparation: Type of herbarium sheets, drying, pressing, and mounting techniques, wet preservation, dry preservation
TV	25/01/2022	Tuesday	02 Hrs.	Herbarium caution and care: precautions for herbarium preservation, poisoning techniques and chemicals, threats and benefits
TVI	01/02/2022	Wednesday	02 Hrs.	Managing and Curating a Herbarium: Classifying and arranging material, handling specimens
TVII	02/02/2022	Tuesday	02 Hrs.	Plant Identification through Herbarium: use of flora and original protologues to identify specimens

Practical Component (through Field Visit and Laboratory sessions): 10 working hours

Practical	Date	Day	Duration	Topic
P1	08/02/2022	Tuesday	02 Hrs.	Field Collection: Field visit to learn collection techniques, Drying and preservation
P2	09/02/2022	Wednesday	02 Hrs	Herbarium preparation: complete procedure of herbarium preparation including stitching, labelling, identification, barcoding (min. 40 specimens per person)
P3	15/02/2022	Tuesday	02 Hrs	Preparation of Taxonomic Keys: Taxonomic keys as an aid for Identification



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P4	16/02/2022	Wednesday	02 Hrs.	Taxonomic Database: Using taxonomic Database for authentic plant identification, current trends in plant classification and names
P5	22/02/2022	Tuesday	02Hrs.	Herbarium Curation: Identify plants (min. 40 per person); How to resolve taxonomic complexities

Project / Assignment Component:

Based on the practical and theory, a **small project will be given to the participants** (in-group/individual) which should be conducted from **March to May**. The report of which should be submitted by the **First week of May**

Evaluation:

Attendance & active participation in Lectures & Practical's
A Project / an assignment
Presentation of the project and Assignment
Project Report from the participants (in group/individual)

(The Participants will be evaluated on the 1st week of May)

A **certificate (with grade)** will be given to the participants after successful completion of the course.

A **feedback session** will be conducted during the certificate distribution program