



VIDYA VIKAS SHIKSHAN SANSTHA, HINGANGHAT

**VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR DIST. WARDHA 442305 (M.S.)**

(Affiliated to Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur.)

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(NAAC Accredited B 2015)

Name of activity: Plantation Program

Program Organized by: Department of Botany

Details of organization with Address: Vidya Vikas Arts, Commerce and Science College, Samudrapur Dist.-Wardha.

Date of Conduction: 27/11/2021

Participant Count: Students:- 35

Faculty:- 15

Brief Description: Plant taxonomy is one of the important factor in the syllabus of Botany, perhaps it is subject associated with the basic human needs. An identification of plants with their Latin names or binomials is still confusion to many botany students. We believe this is due to the lack of precise knowledge and practically based training. The objective of this guest lecture is that the students should learn the basics of plant identification and at least know the scientific names of the plants around their local area. Students should know the scope of plant taxonomy in various areas like commercial, pharmaceutical, landscaping, indoor and outdoor gardening etc. Therefore to fulfill these objectives, to gain a bit knowledge and clarity in concepts the guest lecture was organized entitled “Basics in plant taxonomy and field identification techniques” for the PG and UG Botany students.

The programme was inaugurated; welcome the guest and introduction speech by Vice-Principal, HOD Botany Dr. N. S. Shirbhate. The talk delivered by guest speaker Dr. S.G. Hate (Assistant professor, DRB Sindhu Mahavidyalaya, Nagpur) who effectively delivered and start his talk on brief history of botany in India and covered most important events in botany including the contribution of Theophrastus and Carolus Linnaeus. He explained the basic key features of remembering plant species, how common characters have been evolved to identify the plants. He explained his own studies on different plants, in view of plant morphology and their importance in the field of plant taxonomy. He also added knowledge of different system of classification from Linnaean, Bentham and Hooker, Hutchison, Takhtjan to present APG IV with pictorial examples. He very well explained the various morphological and reproductive characters and how these characters were used for identification of plants. At the end of session, he spoke on scope and opportunities for students in plant taxonomy in commercial, pharmaceutical, landscaping, indoor and outdoor gardening etc.

Practical session: After presentation in auditorium hall, the guest speaker along with all the students went to the field. Plant material from different families was collected and students were asked to their diagnostic characters, classification and to identify the families. The students enthusiastically participated in this session and tried to identify the plant families. The expertise was helping them to rise out the characters in the simplest way, which was liked by most of the students. Overall, this was a very fruitful guest lecture as for as academic point of view.

Outcomes of the activity:

- 1. Student understand the**
- 2. Students understand how the characters can be used for plant identification purpose.**
- 3. Students understand how to identify different plant families.**
- 4. Students knows about how to create key for identification.**
- 5. Student understands the scopes of plant taxonomy in various fields.**

Photos:




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