



Vidya Vikas Mandal Pathrud's,
Shankarrao Patil Mahavidyalaya, Bhoom
Department of Botany

Botany is a one of important branch of basic science it is also considered mother of all science and it is called plank biology or phytology botany is the study of plant life and one types. he is one of the important branch of biology modern botany is bored multinational subject include most advanced area of Science and technology our departments provide platform for both traditional and advance knowledge in the subjects the teaching faculty is highly qualified department has species classrooms well equipped laboratories and listen involvements in The laboratories near about 30-40 students can perform practical at time in the department to fulfill students first about gaining knowledge we provide departmental library facilities.

Aims of departments

1. The department of Botany trade and offers basic understanding of plant science and the scientific method
2. Establishment of collaborations between botany and all the live academic disciplines
3. To encourage botany out rest to the local community
4. Learning about the practicing the shape and responsible application of plants in a different area
5. Use of sustainable development of resources in plantation to conserve nature in an out of campus.

2. Establishment of the departments

Vidya Vikas Mandal Pathrud established Shankarrao Patil Mahavidyalaya 1984. it is a matter of great pride and honor to lead Shankarrao Patil Mahavidyalaya, Bhoom at the historic locations Vidya Vikas Mandal was established by founder chairman with commitment provide

quality education to the students from remote village institutions and academic excellence and social Justice through education

Shankarrao Patil Mahavidyalaya has become a center of academic activity in this region college begin with art and commerce faculties in 2004 Faculty of science was also introduce the college is permanently affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

5. ACHIEVEMENT OF DEPARTMENT IN BRIEF

Maintained Beautification of campus for every year (2017-2022)

For adornment of the college campus by Plantation ask veried flowering and ornamental species in the central part and peripheral region of college. development of different garden like mango garden, Guava garden, Indian Rose garden, cherry plantation, Hedges plantation and border avenue plants primly tree hybrid roses, amarlead, Pyrostegia, bogainvillia, Nilumbo, bryophylum, Asparagus, ocimum, Ashoka etc.

Developed Medicinal Plant Project

Our body department have developed a unique special medicinal plant garden which has acquired large area in a part of the department's in eight different medicinal plants species prepared in seed bed and get propagated transplanted in the subsequent space of the gardens approximately 38 number of plant species get planted shall identified planted with their Norman clacher and oon the entry of the doors the information apart each plant their medicinal use gives in her tax chart All in are as follows first he more failure said came cooler abelie Ness third potato syndrome Ford Down syndrome shaped turn on syndrome 6 clear filters 6 sickle cell anemia

Helps in Identification of plant species to common man

The nomenclature and identification of any plant species should be carried by studying in the basic knowledge of systematic botany opening by use of different flora of that region it is also useful for the enhancement of knowledge of students of B.Sc dear syllabus basically usually different flora of region like flora of western graze flora of Marathwada floor of British India floor of Marathwada like that use the referring the identification of local vernacular plant species and

find out the total systematic history of the plants from heavy to economic purpose of areas using their distinguished Lee characters morphine characters anatomical features and a key is used properly finding the generic and species level education for the local peoples

7. SWOC ANALYSIS (Strength, Weakness, Opportunities, Challenges.)

i) Strength

- Students involved in the projects
- Maintaining beautification of campus
- Through extension activities set up soil testing laboratory.
- Assessment through tests, tutorial, groups discussion & Seminars.
- Departmental library.
- Medicinal Plants developed under poly house. Departmental Library with research level books and journals.
- Departmental Herbariums with huge collection of plant specimens.

ii) Weakness

- 100% Attendance not yet achieved

iii) Opportunities

- PG course in Future will be started in the Present Department.
- Introduction of certificate course in bio-fertilizers

iv) Challenges

- Fully Contribution towards society is still awaited
- Creation of employable students, Creation of environmental awareness among the students.
- Tie-up with industries for placement.
- Collaboration with industries and national research laboratories for promotion of research through linkage.

8. FUTURE PLAN (Short Term and Long Term)

- P G course in Botany
- Opening of Research center
- Development of Consultancy in Water Analysis
- Extension of Departmental Library.
- Extension of Medicinal Plant Project.
- Development of Floriculture under Poly house
- Extension of soil testing laboratory.
- To introduce need based vocational courses such as, Biofertilizer & nursery techniques.
- To organize national level seminar on Biodiversity and its conservation.
- To submit proposal for funding of major/minor research projects.
- To strengthen research lab with additional equipment's.