M.V.R. DEGREE COLLEGE
(UG And PG Courses)

(Affiliated to Andhra University)
An Institution of Priyadarshini Educational Academy)
NAAC ACCREDITED COLLEGE

Dr.V.Rama Rao, M.A.,Ph.D.,
Secretary & Correspondent

Dr.A.Balakrishna,M.Sc.,Ph.D.,
Principal

Department Of Botany

Bachelor of Science (BSc-CBZ)

Course Outcomes (COs) for Botany (CBZ)

APSCHE w.e.f.2015-2016 (revised in April 2016)

Code	Title of the paper	Outcomes
DSC 1A (TH)	Microbial Diversity, Algae and Fungi	**CO1:** Develop skills and knowledge in microbial diversity and microscopic methods. **CO2:** Be able to understand the microbial world and identify microbial diversity. **CO3:** Gain knowledge about classification of microorganisms and special groups of bacteria. **CO4:** Study, discovery and structure of different viruses and different plant diseases caused by viruses. **CO5:** Learn about the discovery, general characteristics, nutrition and economic importance of bacteria. CO6: Study and import knowledge about the occurrence, distribution, structure and life history of lower plants such as Algae, Fungi and Lichens. **CO7:** Study the structure, reproduction and life history and economic importance of different algae in the local ecosystems. **CO8:** Familiarise with the general characteristics of fungi. **CO9:** Gain knowledge about the structure, reproduction and life history of different types of fungi. **CO10:** Know about lichens-structure, reproduction and ecological & economic importance.
DSC 1A (Pr)	Microbial diversity, Algae and Fungi	**CO1:** Gain knowledge about equipment used in microbiology and safe laboratory practices like safe chemical handling, hazardous waste management and proper use of lab equipment.

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		CO2: Learn about the study of viruses and bacteria using electron photon micrographs. **CO3:** Gain knowledge about the plant disease symptoms caused by bacteria under microscope and hands on experience. **CO4:** Understand the vegetative and reproductive structures of bacteria, algae and fungi and familiarise with microscopic technique and cellular drawing. **CO5:** Advanced study of plant material infected by fungi and learning of morphology and anatomy of different thalli. **CO6:** Field visits to gain more hands-on experience. CO7: Gain knowledge on bacterial identification using gram staining methods of analysis
DSC 1B (TH):	**Diversity of Archaegoniates and plant anatomy**	**CO1:** Understanding and comparison of various Bryophytes, Pteridophytes. **CO2:** Study and importing knowledge about the occurrence, distribution, structure and life history of lower plants such as Bryophytes, Pteridophytes, Gymnosperms and wood yielding plants. **CO3:** Gaining knowledge about the phylogeny and evolutionary concepts in lower group of plants like Bryophytes and Pteridophytes. **CO4:** Understanding the classification, characteristics, ultra-structure of Bryophytes, Pteridophytes and Gymnosperms. **CO5:** Know about fossilisation and types of fossils, Bennettitales general account. **CO6:** Gain understanding about evolutionary significance of Bryophytes and Pteridophytes. **CO7:** Gain insights on geological time scale process. **CO8:** Understanding of various theories to gain knowledge of shoot and root apex organisation.

Shramikanagar, Chinagantyada, Gajuwaka, Visakhapatnam – 530 026.
Ph:0891-2512891,2516124,986661133,34,35,36,Fax: 0891-2519870
E-mail:mvrcolleges@yahoo.com,Website:www.mvreducation.com