

**VELLALAR COLLEGE FOR WOMEN (AUTONOMOUS), ERODE – 12.**

**PG & Research Department of Botany**

**List of new practicals under DBT-Star College Scheme**

<b>S.No.</b>	<b>Particulars</b>	<b>Beneficiaries</b>
1.	i) Demonstration of Microscope ii) Demonstration of physical Balance iii) Demonstration of Sectioning iv) Demonstration of Staining and Mounting	I B.Sc., Students
2.	i) Identification of plant characters, cell structure and internal structure of plant cells. ii) Sterilization Techniques iii) Preparation of Explant iv) Callus induction v) Plant Tissue Culture Techniques.	II B.Sc., Students
3.	i) Qualitative analysis of phytoconstituents ii) Estimation of Chlorophyll iii) Estimation of Protein iv) Estimation of Carbohydrate v) Photography of plant structures vi) Biomolecular Visualization vii) Preparation of crude extracts from plants viii) Mushroom cultivation Techniques ix) Analysis of physico-chemical characters of soil x) Analysis of physico-chemical characters of water and effluents	III B.Sc., Students

**List of Equipments Procured under DBT-Star College Scheme**

<b>S.No.</b>	<b>Particulars</b>
1.	Compound microscope
2.	Dissection microscope

**List of Equipments ordered under DBT-Star College Scheme**

<b>S.No.</b>	<b>Particulars</b>
1.	Trinocular research microscope
2.	Analysis software for preparing final report
3.	Automatic solvent extraction
4.	Digital multi parameter water quality analyser
5.	TLC Instrument with high resolution camera
6.	Humidifier