

Vellalar College for Women (Autonomous), Erode -12

Department of Physics

New Practicals Introduced under DBT STAR College Scheme (2019-22)

S. No.	Particulars	Beneficiaries
1.	Spectrometer – Determination of Refractive index using small angle Prism	I B.Sc Physics
2.	Post Office Box- To Find the resistance of the Given Coil of Wire	
3.	Spectrometer- Resolving Power of a Grating	II B.Sc Physics
4.	Potentiometer – Internal Resistance of a cell	
5.	BG- Comparison of EMF	
6.	Verification of Boolean Laws	
7.	Microprocessor- Biggest and Smallest element in the array	III B.Sc Physics
8.	Clipping and Clamping Circuits	
9.	Michelson Interferometer	
10.	Interfacing Ultrasonic sensor with Arduino- IoT	
11.	Interfacing LDR sensor with Arduino -IoT	

List of Equipments Procured under DBT-Star College Scheme

S. No.	Equipments Procured
1.	Cathode Ray Oscilloscope (CRO)
2.	Audio Frequency Oscillator (AFO)
3.	IC Regulated Power Supply
4.	Resistance Box
5.	Digital Multimeter
6.	Spectrometer
7.	Grating
8.	Travelling Microscope

9.	Sodium Vapour Lamp
10.	Microprocessor Kit (8085)
11.	Ballastic Galvanometer
12.	Daniel Cell
13.	Lechlanche Cell
14.	Condenser Box
15.	Scale And Telescope
16.	Potentiometer
17.	Sensitive Galvanometer
18.	Digital Ammeter
19.	Digital Voltmeter
20.	Ammeter
21.	Voltmeter
22.	Post Office Box
23.	Screw Gauge
24.	Vernier Caliper
25.	Digital Trainer kit
26.	IoT- LDR sensor
27.	IoT- Ultrasonic sensor