

Vellalar College for Women (Autonomous), Erode -12

Department of Physics

DBT STAR College Scheme Projects 2020-21

S.No	Title of the Project	Name of the Guide & Designation	Name of the Students	Class
1.	Synthesis, Characterization and Antimicrobial Investigation of Graphene Oxide Nanoparticles by Sol gel Technique.	Dr. P. Anitha Assistant Professor	V.S.Anadhavarshini R.S. Amirthavarshini V. Keerthana, A.Vidhubala J.Pooja S.Saranyaa	III B.Sc Physics II B.Sc Physics I B.Sc Physics
2.	Arduino based Heart Beat Monitor using OLED Displays.	Dr. P. Anitha Assistant Professor	B.Anusha A.Devipriya S.Suganthi K.Sivasankari M. Haripriya M.Sureha K.Manushri	III B.Sc Physics III B.Sc Computer Science II B.Sc Physics I B.Sc Physics
3.	Functional and Antibacterial Analysis of Silver Nanoparticles via Green Synthesis Method.	Dr. P. Anitha Assistant Professor	S.Dhivya R.Keerhana N.Dharanipriya R.Kiruthika M.Sasipriya C. Revathi	III B.Sc Physics II B.Sc Physics I B.Sc Physics
4.	IOT Based Air Pollution Monitoring System using Arduino UNO.	Dr. P. Anitha Assistant Professor	M.Sindhu, R. Kaniga R.Tharani L.Latha T.Kavitha S.Shobika	III B.Sc Physics III B.Sc Computer Science II B.Sc Physics I B.Sc Physics
5.	Structural and Optical Properties of Ni ₂ FeAl	Dr. M. Yogeswari Assistant Professor	M. Bharani Sri M. Kanishka, S.Sabthami J.Niranjana	III B.Sc Physics

	Full Hesular Compound.		V.Nivetha	II B.Sc Physics I B.Sc Physics
6.	Smart LPG Leakage and Monitoring System with Call Alert using Arduino.	Dr. M. Yogeswari Assistant Professor	P.Divya, G. Aarthi, P.L.R.Gopika S.Rujutha, S.Kiruthika, K.Sandhiya M.Devishree	III B.Sc Physics III B.Sc Computer Science II B.Sc Physics I B.Sc Physics
7.	Design of solar based multipurpose power bank.	Dr. C. Deepa Assistant Professor	S.Nithyasri,K.Madhumathi, V.Lavanya K.Sowmiya R. Keerthana S.Usha	III B.Sc Physics III B.Sc Chemistry II B.Sc Physics I B.Sc Physics
8.	A Fundamental study on Quantum Calculus and its Applications.	Dr. C. Deepa Assistant Professor	K.Keerthana, S.Kaviya, S.Pradeepa P.R.Nivetha D. Govarthini V.Dharshini	III B.Sc Physics II B.Sc Mathematics II B.Sc Physics I B.sc Physics
9.	A Novel Synthesis of phyto-mediated copper oxide Nanoparticles and its bacterial performance against microbes	Dr. R. Bhuvanewari Assistant Professor	G.Boomika, V. Pavithra, M. Jeevitha S. P. Dharani M. Rakshaya R. Ponuthraa	III B.Sc Physics II B.Sc Physics I B.Sc Physics II B.Sc Botany
10.	Design of Automatic Hand Sanitizer using Arduino Microcontroller.	Dr. R. Bhuvanewari Assistant Professor	V. Durkadevi, S. M. Dhivya, B. Brindha, S. Sangeetha B. Brindha, A. Ramya K. Jeshadharshini	III B.Sc Physics III B.Sc Computer Science II B.Sc Physics

			S. Deepika	I B.Sc Physics
11.	Screening of antioxidant and antibacterial potential: Facile approach towards Catharanthus roseus mediated barium oxides nanoparticles.	Dr. A. P. Sudha Assistant Professor	M. Swetha, K. Soundharya, T. Janani K. Narmatha T.Nandhini M. Parkavi	III B.Sc Physics II B.Sc Physics I B.Sc Physics II B.Sc Botany
12.	Design of IOT based Bidirectional Visitors Counter.	Dr. A. P. Sudha Assistant Professor	E. Madhubala, R. Nivetha, S. Soundeswari D.Monisha S.Jeevabharathi S. Deepika, P. Sowmiya	III B.Sc Physics II B.Sc Physics I B.Sc Physics III B.Sc Computer Science