



# UNION CHRISTIAN COLLEGE ALUVA-2



Criterion 1

SSR 5<sup>th</sup> CYCLE 2023



## 1.3 Curriculum Enrichment



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SSR  
V CYCLE  
2023

DEPARTMENT OF PHYSICS	
Programme	No of academic projects
BSc Physics	35
MSc Physics	11

Department of Physics			
No	Name of the students	Reg No	PROJECT TITLE
1	Goutham Krishnan	200021037111	SONAR



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2	Krishnanjana S	200021037135	Electronic piano using IC 555
3	LAKSHMIPRIYA CS	200021037114	LPG Gas Leakage Detector using Arduino
4	ANNA ELDO P	200021037107	METAL DETECTOR
5	ATHIRA R	200021037108	Soil Moisture sensor and automatic plant watering system using Arduino
6	Greeshma Shine	200021037132	Gas Leakage Detector
7	SAMRIN FAISAL	200021037142	METAL DETECTOR
8	Hari s narayanan	200021037112	Sonar
9	Melwin T Joshy	200021037136	Solar Mobile Charger



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10	Sniya V S	200021037145	Lissajous figures
11	Naseeh Yousuf	200021037138	Automatic traffic signal using IC 555 and IC 4017
12	Rakesh Ramachandran	200021037140	Lissajous figures
13	Albin Raju	200021037123	Half adder
14	George c reji	200021037110	3bit full adder
15	Gopika Radhakrishnan	200021037131	Burglar alarm
16	Muhammed Razik M N	200021037116	Solar mobile charger
17	Samarjith Raj BP	200021037141	Lissajous figures



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18	Neha M Ashraf	200021037117	Object Counter
19	Aaromal p manoj	200021037102	Design and Construction of a Solar Mobile Charger.
20	Vyshnav.V.Kamath	200021037146	Metal Detector
21	Sandeep p s	200020037118	Li-Fi Technology
22	A ANAGHA	200021037122	LiFi
23	Melvin C Santhosh	200021037115	Object counter
24	Sooryanath t	200021037119	Half adder
25	Sneha Martin	200021037144	Object counter



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26	Abhijith C B	200021037104	Electronic voting machine
27	Thehinna Babu	200021037120	Gas leakage detector using adruino
28	Athiramol NS	200021037127	Burglar alarm
29	Shinilraj P.S	200021037143	automatic traffic signal
30	Athul K.N	200021037109	Traffic signal using IC 555
31	Fezin Puthanpurayil	200021037139	Digital thermometer and hygrometer using Arduino Uno and LM35, DHT11 sensors
32	Anjaly s menon	200021037125	Digital thermometer using Arduino and LM35 temperature sensor
33	Deteena Chacko	200021037130	Soil moisture sensor and automatic plant watering system using Arduino



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34	A ANAGHA	200021037122	LiFi using arduino and LDR sensors
35	Jerin Saji	200021037133	Gallium trioxide

## MSc Physics

1	Gayathri TU	210011013276	Synthesis and characterization of pure and doped Gallium oxide(III) by hydrothermal method
2	Alex J Thachil	210011013269	Tuning the crystallinity of Titanium Dioxide Nanotubes
3	ARYA P N	210011013274	HYDROTHERMAL SYNTHESIS AND CHARACTERIZATION OF PURE AND DOPED GALLIUM OXIDE



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4	Alene sara varghese	210011013268	Recycling of textile effluent water by photocatalytic degradation by CSTiBr <sub>3</sub>
5	Aiswarya A S	210011013267	Collective degradation of CV and MG by lead free perovskite of CsTiBr <sub>3</sub>
6	CHINNU SABU	210011013275	Recycling of textile effluent water through photocatalytic degradation by lead free perovskite of CsTiBr <sub>3</sub>
7	Sainadh C U	210011013280	Tuning the crystallinity of Titanium Dioxide Nanotubes
8	Malavika Ramesh	210011013278	Quality Analysis of edible oil using optical methods
9	Anusree Ajay	210011013272	Quality analysis of edible oil using optical methods
10	Arora Babu T	210011013273	Supersymmetry
11	Anaghananda E K	210011013270	Quantum Entanglement





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