

S No.	Category	Project ID	Title of project
1.	Animal Sciences	AS12	A study on mortality rate of buffalo calves in district shahjahanpur
2.	Animal Sciences	AS22	The Efficacy Of The Suction - Bait Trap In Controlling Bactrocera cucurbitae (Melon Fruit Fly) In The Agricultural Fields Of Cheriyaathekanam Of Ernakulam District
3.	Behavioural Sciences	BE5	DETOX {No Addiction, Under any Condition}
4.	Behavioural Sciences	BE7	A Card and Board Game to Reduce Gender-Based Implicit Biases using Perspective-Taking and Counter Stereotyping
5.	Behavioural Sciences	BE15	A Deep Learning Approach to Analysing Handwriting & Predicting Personality
6.	Biochemistry	BI58	A Simple, Non invasive, Point of Care, Low cost, Polynomial-derived Colorimetric Device, using Reactive Oxygen Species-induced Lipid Peroxidative Changes in Saliva, to assess the Risk of Oral Pre-cancerous lesions and Oral Squamous Cell Carcinoma in Chronic Smokers
7.	Cellular and Molecular Biology	CB3	A NOVEL PEPTIDE DRUG AS THERAPEUTIC FOR SICKLE CELL ANEMIA
8.	Cellular and Molecular Biology	CB31	Human Ancestral Global Migration Based on Analysis of Mitochondrial D-Loop of Students from the United World College
9.	Cellular and Molecular Biology	CB37	Early detection of cancer
10.	Cellular and Molecular Biology	CB38	Detection of hepatocellular carcinoma using MU-3
11.	Cellular and Molecular Biology	CB40	Cytokines levels (pro and anti-inflammatory) in healthy Indian subjects and the respective levels in activated T-cell supernatants

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12.	Cellular and Molecular Biology	CB49	Catharanthus roseus: An effective Epigenetically repressing weed derivative for obesity
13.	Chemistry	CH19	Novel and Innovative Chemical Strategy for Mosquito Repellent, Scented and Antibacterial Textiles
14.	Chemistry	CH33	Pectin based smart nanocomposites for higher water retention in soil, sustainable nutrient release for plant growth and total Cr removal efficiency in wastewater
15.	Chemistry	CH50	MAKING TRANSPARENT WINDOWS FROM WOOD
16.	Computer Sciences	CS100	Flood Risk Prediction Using Machine Learning and Optimization Algorithms
17.	Computer Sciences	CS113	Machine learning based approach to identify devices, measure and reduce power consumption and carbon footprint
18.	Computer Sciences	CS114	Using Artificial Intelligence to analyse the behavior of a crowd and avoid stampedes
19.	Computer Sciences	CS140	Classification of Near Earth Asteroids through Machine Learning using Logistic classification
20.	Computer Sciences	CS146	FACIAL RECOGNITION BASED INTELLIGENT E-LEARNING PLATFORM WITH DECENTRALIZED STORAGE
21.	Computer Sciences	CS147	Fishiotherapy
22.	Computer Sciences	CS17	Periphery Sweep algorithm: Conquering A* algorithm at graph traversal solutions
23.	Computer Sciences	CS2	A convolutional approach to using Artificial Intelligence to save lives.

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24.	Computer Sciences	CS3	Smart Junction
25.	Computer Sciences	CS33	ARDUINO N.F.C. READER-DRIVING LICENSE DETECTOR IN VEHICLES TO REDUCE THEFT AND UNDER-AGED DRIVING
26.	Computer Sciences	CS37	Predicting Optimal Hyper Parameters for a Neural Network given Dataset Statistics
27.	Computer Sciences	CS38	Digitization of Student Performance Report Card using Cloud Computing
28.	Computer Sciences	CS4	Arcnet: A Hierarchical Peer-to-Peer network
29.	Computer Sciences	CS40	A High-Performance Unhackable, Nature Inspired Database Cloud Application; MendelDB
30.	Computer Sciences	CS463	A formal grammar generation procedure for domain specific vocabulary applications and optimizing speech recognition and voice control
31.	Computer Sciences	CS464	A Novel method for Improving Image Reconstruction Using Hidden Markov Models
32.	Computer Sciences	CS53	Analytic Assessment of Neural Network Architectures for the Prediction of Crypto Market
33.	Computer Sciences	CS55	Active Learning and its Application in the Analysis of Scientific Data: Predicting Mie Scattering by Nanoparticles
34.	Computer Sciences	CS57	Multiplexed virtual classrooms - Deploying 3D AR - VR gaming technologies for edutainment
35.	Computer Sciences	CS59	Management of Stray Dog Vaccination using Machine Learning

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36.	Computer Sciences	CS112	Automated detection of traffic congestion in videos by image entropy analysis for city monitoring systems
37.	Computer Sciences	CS81	Cost- effective Non-deterministic Random number Generator (CeNdRn) based on an Innovative Entropy Source
38.	Computer Sciences	CS97	Positively Identifying Species Using Convolutional Neural Networks and Hypernetworks to Aid Wildlife Conservation Efforts
39.	Earth and Planetary Sciences	EA18	Mrunamaya
40.	Energy and Transportation	ET134	Farmer friendly bicycle mounted with agro implements to cultivate crops management
41.	Energy and Transportation	ET91	An Innovative Device To Replace The Electrical Energy: A Copper Insulated Stove Geyser To Conserve Surrounding Emitted Heat Energy From The Gas Stoves
42.	Energy and Transportation	ET99	Harvesting Mechanical Energy from Everyday Sources
43.	Engineering: Electrical and Mechanical	EE171	O.T.A.S - A SELF TARGETING SYSTEM FOR HAND HELD WEAPONS
44.	Engineering: Electrical and Mechanical	EE18	Giznotech
45.	Engineering: Electrical and Mechanical	EE59	Automatic Walking Aid
46.	Engineering: Materials and Bioengineering	EN51	INNOVATIVE APPROACH TO STOP THE INJURIES CAUSED DUE TO SOMNAMBULISM (SLEEPWALKING)

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47.	Engineering: Materials and Bioengineering	EN53	How deaf can hear
48.	Engineering: Materials and Bioengineering	EN7	Magneto-chromatic effects in ferrofluids and their application in making tunable monochromators (narrow band pass filters)
49.	Environmental Management	EM584	Re-inventing portable shelters by studying various properties of a new and denser physical FORM of Polystyrene (PS) obtained from its polymer waste by a chemically activated physical process of dissolution
50.	Environmental Management	EM62	SWAR - Solid Waste-management Android-application Resource
51.	Environmental Management	EM7	HERMETIA SANITIZING BIOCONVERTER
52.	Environmental Management	EM9	REDUCING THE CARBON FOOT PRINT THROUGH INNOVATIVE VESSELS
53.	Environmental Sciences	EV122	Fresh lock- A Novel edible Eco-friendly coating to extend the post harvest quality and shelf life of the vegetable Brinjal (Solanum melongena) using Bilimbi (Averrhoa bilimbi) leaf extract
54.	Environmental Sciences	EV142	Biofuel production from the combination of Nerium oleander I, Euphorbia neriifolia, Lantana camera & Brassica oleracea
55.	Environmental Sciences	EV21	HERBAL PRE-TREATED ANTIFUNGAL AND ANTIBACTERIAL COTTON BIODEGRADABLE SANITARY PAD
56.	Environmental Sciences	EV368	Zebrafish as Biosensor to detect the in-vivo developmental defects upon exposure to smoke particles collected from different types of automobiles:

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57.	Environmental Sciences	EV378	ENAC- Eco-friendly Natural preservative from Anamirta Cocculus
58.	Environmental Sciences	EV379	A holistic approach to measuring noise pollution in closed spaces - objective measurement of impact on health
59.	Mathematics	MA11	The beauty of prime numbers
60.	Mathematics	MA17	STRUCTURAL PROPERTIES OF THE NETWORK OF THE BRAIN AND THAT OF THE GRAPH OF THE MOLECULE BUCKMINSTERFULLERENE
61.	Mathematics	MA27	Predicting the power of 2 in Mersenne Prime for largest prime numbers
62.	Mathematics	MA3	Prime Conjecture
63.	Mathematics	MA30	Fractal Fun
64.	Mathematics	MA38	Who Really Wins the Olympics - An alternative approach to ranking systems
65.	Medicine and Health Sciences	ME102	GATTII – WEARABLE PORTABLE MOBILITY ASSESSMENT DEVICE
66.	Medicine and Health Sciences	ME50	Effect of incorporation of guava extract to wheat flour on nutritional, sensory quality and shelf life of bread
67.	Medicine and Health Sciences	ME61	PANI/Ox-SWNT composite based electrochemical genosensor for multiplex detection of HIV and MTB specific amplified gene sequences using LAMP assay

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68.	Medicine and Health Sciences	ME70	Low-cost wearable sensor for the simultaneous detection of HPV infection and Cervical Cancer
69.	Medicine and Health Sciences	ME8	Kanna: A Novel Method for Screening Amblyopia
70.	Medicine and Health Sciences	ME91	POHA:Personal Oral Health Advisor using multimodal sensing and machine learning with smartphones and cloud computing
71.	Medicine and Health Sciences	ME36	Diagnosis of Retinopathy of Prematurity Using Deep Learning
72.	Microbiology	MI18	Biosynthesis of Silver nano particles using Breynia Vitisidaea plant extract and to test its antibacterial activity
73.	Microbiology	MI19	A NOVEL AND INNOVATIVE APPROACH AGAINST ENTEROCOCCAL DISEASE
74.	Microbiology	MI7	METAGENOMIC ANALYSIS OF THE HUMAN GUT MICROBIOTA IN ENDOSULFAN AFFECTED CHILDREN
75.	Physics and Astronomy	PH10	SEARCHING A ASTEROID
76.	Physics and Astronomy	PH28	BIODEGRADABLE INSULATOR AND PACKING MATERIAL FROM ARECA CATACHU SHEATH
77.	Physics and Astronomy	PH68	Investigating the Critical Angle for Slippage of Industrial Ball Bearings
78.	Plant Sciences	PS10	Innovative and Reusable Packaging for Plants
79.	Plant Sciences	PS2	Nanosilica-based innovative management of Spilosoma obliqua - a polyphagous pest
80.	Plant Sciences	PS34	Innovation for anti termite problem

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81.	Plant Sciences	PS82	Testing Insecticidal Activity of algae <i>Anabaena variabilis</i> against PLRV vector
82.	Plant Sciences	PS56	A computational approach to studying the stimulus response of <i>Mimosa Pudica</i>