

AI Research Project 2021-2022

Title of the Project	Applicant Name	Total Amount
Predicting effect of missense variants associated with acute myeloid leukaemia (AML) using machine learning via extended amino acid and nucleotide features	Dr. K.S.Santhy, Professor, Dept of Zoology	39,000
Detection of Multi-Class Artefacts in Endoscopic Images Through Deep Learning Architectures	Dr. B. Sargunam (Professor and Head) Dept of ECE	39,000
Pharmacokinetic and physicochemical properties of potential depilatory agents	Dr. P. Lalitha, Dept of Chemistry	33,000
Artificial Intelligence based Adaptive Learning tool for Tamil Grammer	Dr. M. Kavitha, Assistant Professor & Dr. B. Rani, Assistant Professor Dept of Tamil	39,000
Synthesis and Computational Studies of Anticancer activity of fused 2-amino-1,3,4-thiadiazole derivatives	Dr. V. Sharulatha, Assistant Professor, Dept of Chemistry	81,000

Intelligent Techniques Using Meta Analysis in the management of Leukaemia	Dr. R. Nirmaladevi, Assistant Professor, Dept of BCBT	39,000
Design, construction and analysis of portable gamma radiation detector using Arduino	Dr. N. S. Rajeswari, Assistant Professor (SG), Dept of Physics & Dr. V.Bhuvaneshwari, Teaching Assistant	116,000
Design of AI embedded business processes for Digital Marketing for Small and Medium enterprises	Dr. P. Chitramani, Professor and Dean, Dept of Business Administration	33,000
Optimisation and modelling of functional carbon materials from biomass for energy storage applications	Dr. A. Prithiba, Assistant Professor, Dept of Chemistry	71,000
Novel Artificial Intelligence Biosensor- "Nutrient Analyzer"	Dr.P A.Raajeswari, Assistant Professor(SG), Dept of FSN	----
Identification of potential inhibitors for AgrC protein of Staphylococcus aureus using machine learning algorithm	Dr. M. Rajeswari, Assistant Professor, Dept of BCBT	89,000

AI based potential Gene Identification Tool using Intergrated approach for Cervical Cancer Datasets	Dr.S.Sumathi, Assistant Professor, Dept of BCBT & Dr. M. Krishnaveni, Assistant Professor, Dept of CS	39,000
Image Analysis of Groundnut Pests using Artificial Neural Network	Dr. C.A. Annapoorani, Assistant Professor, Dept of Zoology & Dr. M. Thilagu, Assistant Professor., Dept of CS	64,000
Automatic method for classification of grasshopper using convolutional neural network	Dr. K. Manimegalai, Professor, Dept of Zoology & Dr. M. Madhivadhani, Senior Technical Assistant, Dept of CS	39,000
Detection and mitigation of Malicious Insider Threats in Cloud Environment using Machine Learning Methods	Dr. G. Padmavathi, Professor, Dept of CS & Dr, D. Shanmugapriya, Head and Assistant Professor, Dept of IT	----
TN Forts Buddy "Explore the Unexplored forts in Tamil Nadu"	Dr. S.Dhanabagiyam, Assistant Professor & Dr. K. Sathiyabamavathy, Assistant Professor, Dept of Tourism	21,000
Development of Chatbot for Cultural festivals of India: Cultural Festive Pick (CFP)	Dr. Bindu V T, Assistant Professor, & Ms.Manimegalai Prasad, Teaching Assistant, Dept of Tourism	39,000

Design and Implementation of Artificial Intelligence Based Machine Learning Algorithm for Plant Herbarium Species Identification	Dr. R. Karthiyayini, Assistant Professor, Dept of Botany	61,000
IoT enabled plant monitoring system	Dr. S. Amutha, Assistant Professor, Dept of Botany	36,000
AI based Environmental Monitoring System for Mushroom Cultivation	Dr. M. K. Nisha, Assistant Professor, Dept of Botany	36,000
Exploitation of Artificial Intelligence in the Detection, Identification and Prediction of Pathogenicity of Bacterial Starins for the Control of Food Borne Infections	Dr. D. Kavitha, Assistant Professor, Dept of BCBT	109,000
Banking 4.0: Accelerating the customer's to adopt innovative banking technology	Dr. P. Sasirekha, Assistant Professor, Dept of Commerce	27,000
Detection of Stored Grain Pests and its Classification Using Machine Learning and Deep Learning Techniques	Dr. G. Maheswari, Assistant Professor, Dept of Zoology, Dr. N. Valliammal, Assistant Professor, Dept of CS & Dr. G. Sudhamathy, Assistant Professor, Dept of CS	79,000