Innovative Research Projects to the faculty (Minor Projects) including Student Internship/ Stipend to develop AI Databases

Projects	No. of Research Proposals	Financial Grant Sanctioned
Faculty	14	Rs. 50,000/- for each Research Project
Students	15	Rs. 15,000/- for Internship (each month Rs. 5000/- for 3 months)

➢ In Faculty Research Projects,

Patents/ Publications	Status
3 Patents	Filed
10 papers	Published in Scopus Journals

Faculty Projects

Title of the Project	Name of the Project Investigator	Title of the Project	Name of the Project Investigator
Machine learning algorithms for predicting toxicity of flavonoids	PI - Dr.M.Siva Parvathi Co-PI - Dr. D. Sujatha	AI-based QSAR approach for Predicting Cysteine Inhibition: A Tool for Drug Discovery	PI - Dr. Shaheen Begum Co-PI - Dr. Shiva parvathi
Automated Early Detection of Diseases in Tomato plants and Yield Prediction from images using Deep Learning Techniques.	PI - Ms. Neelima Pannem Co-PI - Ms. B. Uma	Automatic Diagnosis of Shoulder Pain using Deep Learning Technics	PI - Dr. P. Bhargavi
AI for Legal Learning	PI - Prof. T. Sitakumari Co-PI - Dr. G. Indira	Artificial Intelligence derived Artemisinin drug compound acts as effective candidate against SARS-CoV-2 receptors: An in-silico study to combat COVID-19	PI - Dr. P.Josthna Co-PI - Dr. K.R.Padma
Discovery, synthesis and Biological evaluation of Anticancer agents using Artificial Intelligence tools.	PI - Prof. G. Rajitha		
In silico molecular docking and quantum computational studies of Tangeretin and its derivatives in amelioration of obesity and related immunodeficiency	PI - Dr. K. Sai Sruthi Co-PI - Dr. V. Manjunath	Detecting Alzheimer's using Artificial Intelligence: Representation guidelines in Media	PI - Dr. N. John Sushma Co-PI - Prof. T. Tripura Sundari
Design and characterization of bioscaffolds for bone tissue engineering applications- A computational and experimental study	PI - M. Vidyavathi Co-PI - B. Sony	Detection of fish bacterial diseases using artificial intelligence	PI - Dr. B. Kishori
		Prediction of Antibiotic Potential of Sesquiterpenes by Artificial Intelligence	PI - P. Uma Maheswari Devi Co-PI - K. Usha Rani
Detection and Prevention of Several Diseases in Pomegranate fruits using Artificial Intelligence and IOT.	PI - Mr. M. Munisankar, Co-PI - Mr. E. Ramesh	Sustainable agricultural production using AI and Bio-fertilizers.	PI - Dr. Ravuri Jaya Madhuri Co-PI - Mrs. Z. Mary Swaroopa

Student Internships

Project Title	Name of the Student	Project Title	Name of the Student
Identification of Microorganisms using AI smart Microscopy	Yalavarthi Sindhu **Mentor:** Dr.R. Jaya Madhuri,	Early Diagnosis of gestational Diabetes Mellitus using AI	M. Vaishnavi **Mentor:** Dr. B. Kishori
Detection of PCOS using convolutional neural network.	V. Yamini **Mentor:** Dr. P. UmaMaheshwari	Discovery of Anticancer agents by virtual screening using Structural Protein-Ligand interaction fingerprints.	M. Vidya Rani **Mentor:** Prof. G. Rajitha
Analysation and identification of various clinical sample using artificial intelligence	Mirapa. Indira **Mentor:** Dr. Ch. M. Kumari	Virtual Guide using Artificial Intelligence	Jenice B **Mentor:** Mr. RAMESH BABU.E
Finding link between genes and diseases through AI	S. Monika **Mentor:** Dr. R. Jaya Madhuri	Intellectual property rights	S. Pranava krishna **Mentor:** Dr. Madhuri Paradesi
Developing a Model in Python to Predict Covid Cases Accurately using Machine Learning Algorithms	Sadivay Aswani **Mentor:** Dr. N. V. Muthu Lakshmi	Developing an Application for Controlling & Monitoring Home/Office Electrical and Electromechanical Devices based on Artificial Intelligence with Internet of Things Technology.	Shaik .Shalima **Mentor:** Dr. N.V. Muthu Lakshmi
AI for Diabetes	V. Jahnavi **Mentor:** Dr. K. Gnaneswari		
Artificial Intelligence Based Monitoring system of Water Quality Parameters	Yegi Naga Sai Harshitha **Mentor:** Prof. P. Uma Maheswari Devi	Effects of Nanoparticles(Al_2O_3)-Dispersed Aloe Vera biodiesel blends on the emission characteristics, combustion and performance of a CI diesel engine	Bonndu Chidrupasai **Mentor:** Dr. J. Venkatesu Naik
To Detect Mycobacterium Tuberculosis By Convolutional Neural Network (CNN)	Harshini Tirupathi **Mentor:** Dr. P. Suvarnalatha Devi	The Compressed Air Powered Car	P. Rishitha **Mentor:** Dr. J. Venkatesu Naik