



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd.u/s 3of UGC Act 1956, Category A by MHRD [now MoE]

Re-accredited with an A++ Grade by NAAC CGPA 3.65/4, Category I by UGC

Coimbatore-641043, Tamil Nadu, India

Centre for Machine Learning and Intelligence

PG Main Project

S. No	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	Real -time Error identification and nutrient analysis for solwearth system through video processing and sensor technology	23PCS006 S. Srina	II M.Sc., CS	E.Rathipriya	Dr. Subashini P

PG Mini Project

S. No	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	EEG Brain Signals for Emotion Classification using Recurrent Neural Networks	24PAI001 Jayasree K	I M.Sc.AI	-	MS. Sathya
2	Deep Learning based Expression analysis of Regulatory Genes for Plant Growth and Défense under mVOC Exposure	24PAI002 Keerthika R	I M.Sc.AI	S.Aiswarya	Dr. Linda Sherin
3	Dental Radiography Analysis for Age Estimation in Forensic Odontology using Deep Learning.	24PAI004 Najiya Abdulsalam T	I M.Sc.AI	-	Dr. Jennyfer Susan M B
4	AI -driven analysis of mVOC Structure-Function Relationship for Enhancing Plant Growth and Environmental Sustainability	24PAI004 Nishanthini S	I M.Sc.AI	S.Aiswarya	Dr. Linda Sherin

5	An association between fingerprint patterns with blood group and lifestyle based diseases	24PAI005 Pavithra K	I M.Sc.AI	S.Aiswarya	Ms. Sathya
6	Theft Detection in Electricity Consumption using Optimized Ensembled model with XAI Visualization	24PAI006 Sathiya Pandi D	I M.Sc.AI	-	Ms. Esaivani M
7	Emerging Malware attack detection using Machine Learning Techniques	24PAI007 Sri karishma S	I M.Sc.AI	-	Ms. Esaivani M
8	Security Based Intrusion Detection using Optimized Quantum Convolutional Neural Network	24PAI008 Thanusha T	I M.Sc.AI	-	Dr. Jennyfer Susan M B & Ms. Sathya
9	A Machine Learning Method to Identify Genetic Variants Potentially Associated with Osteoarthritis	24PAI009 Yazhini P	I M.Sc.AI	-	Dr. Linda Sherin
10	Classification of Osteoporosis based on SNP using Machine Learning	24PAI010 Susmi K	I M.Sc.AI	-	Dr. Subashini P
11	AI Chatbot for CMLI	24PCA004 Chellamsree C	I MCA	S.Aanisa	Dr. Krishnaveni M
12	AI Music Tutor for Visually Disabled Students	24PCA011 Gayathiri J	I MCA	Dr. R. Janani	Dr. Krishnaveni M
13	AR application to Learn Tamil Sign Language	24PCA033 Sivasakthi V	I MCA	S.Aanisa	Dr. Krishnaveni M
14	Mental health Therapist chatbot	24PCA012 Harini D K	I MCA	Dr. R. Janani	Dr. Krishnaveni M
15	A Study on Mathematical Biology in Computer Application	Sailaja S 24PCA031	I MCA	-	Dr. Subashini P
16	A Study on Linear algebra in Computer Application	Dhanasri B 24PCA006	I MCA	-	Dr. Subashini P
17	Robust Tomato Disease detection using CNN-VIT	K.Muthu marieshwari	I MCA	E.Rathipriya	Dr. D. Mathivadhani



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UG Main Project

S. No	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	AI-Driven Portal for Traditional Handloom Weaving Patterns	Ms. Grace Beulah .E, Ms. Karthika .K, Ms. Sanaa .S,	III B.Sc.	Dr. R.Janani	Dr. Krishnaveni M
2	E-tongue for beverage flavour profiling and quality analysis using Machine Learning	K.Deepika S.Vani V.Indhu ilakkiya	III B.Sc	E.Rathipriya	Dr. Krishnaveni M
3	Interactive QR Driven 3D online Shopping Mobile App	R.Archana J.M.Charumathi A.Farveen Banu	III B.Sc	Dr. R.Janani	Dr. D. Mathivadhani
4	Speech to Text Translator for Baduga Language using Deep Learning Model	22UCS043 S. Sindhuja 22UCS043 S. Suganya 22UCS020 M. Kalaivani	III B.Sc	Dr. R.Janani	Dr. D. Mathivadhani
5	Augmented Reality based Chemylab for School Education	Sowndharya.B - 22UCS044 Sruthi.M - 22UCS045	III B.Sc	S. Aanisa	Dr. Krishnaveni M



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PhD Research

S. No	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	Risk Prediction of Non-alcoholic Fatty Liver Disease using Machine Learning	Shanthini M S 23phbtf003	PhD	Dr. R.Janani	Dr. S. Velvizhi, BCBT
2	Automated detection of ALL and CML using Convolutional Neural Network- an IoMT based approach	Udayadharshini S	PhD	Ms.S.Aiswayra	Dr.R. Nirmaladevi, BCBT