



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)

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

Coimbatore - 641 043, Tamil Nadu, India

Research Project

S.No	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	Segmentation of Overlapping Cells from Microscopic Images of Sickle Cell Anaemia	N.Preetha 21pca018	II MCA	Ms.S.Aiswarya	Dr.S.N.Geethalakshmi
2	Iridology based Early Diabetic Classification Using Machine Learning Methods	J.Anandhan ayaki 21pca002	II MCA	Mrs.S.Bhuvaneshwari	Dr.M.Krishnaveni
3	Machine Learning based infant BMI prediction through Real-time Facial Images	N.Jeeva 21pca008	II MCA	Dr.R.Janani	Dr.P.Subashini
4	Tamil Voice based Educational Bot	S.Divyastri 21pcs004	II M.Sc CS	Ms.Mohana and Dr.TT Dhivya Prabha	Dr.P.Subashini
5	Forecasting Oxidative Coupling of Methane	Kamalini .D 21pca009	II MCA	Ms.M.B Jennyfer Susan	Dr.R.Vijayabhanu
6	Prediction of Blood Brain Barrier Permeability using Graph Neural Networks	Pooja Sri Saraswathi .A 21pca017	II MCA	Ms.M.B Jennyfer Susan	Dr.R.Vijayabhanu
7	Technology Enhanced Mulsemmedia Learning for Enhancing Quality of Experience	V.Suvetha 21pca025	II MCA	Ms.M.Mohana	Dr.N.Valliammal
8	Analysis of Human-Elephant Conflicts in North Coimbatore	Ms.Gowri Manohari K	II M.Sc Zoology	Ms.V.Narmadha	Dr.Manimegalai , Zoology

	Division (South india) and their IoT Sensors based Mitigation Techniques				
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Web/ Mobile Application Development Project-UG and PG

S. No	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	Web Portal for Monitoring Green Energy Production in the Deployed Solar Panel at our University	S.Safa Fathima-20ucs030 R.Sagarisha-20ucs031 V.Keerthika-20ucs016 P.Vaishali-20ucs044	III B.Sc CS	Dr.TT Dhivya Prabha	Dr.M.Krishnaveni
2	Smart Grid Monitoring Mobile Application of Solar Panel Deployed at our University	R.Malini-20ucs019 G.Vinanya - 20ucs050 G.Kaviya-20ucs014	III B.ScCS	Dr.TT Dhivya Prabha	Dr.M.Krishnaveni
3	Institution e-Governance Hostel Application	C.Kamali-21pcs006	II M.ScCS	Ms.B.Preethi	Dr.N.Valliammal
4	Institution E-Governance Leave Application	N.Shalini-21pca022	II MCA	Ms.B.Preethi	Dr.G.Sudhamathy
5	Community Health Monitoring Application	R.Chakravarthini-21pca004	II MCA	Dr.TT Dhivya Prabha	Dr.S.N.Geethalakshmi

Mini Project

S.No.	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	Evaluation of Machine Learning Algorithms For multiclass classification Using N Gram Categorization	R.Logavathani-22pca016	I MCA	Dr.TT Dhivya Prabha	Dr.P.Subashini
2	Development of Mobile Application for Empowering Tribal Education in Irula Dialect	R.S.Vasundra-22pcs009	I M.Sc CS	Dr.R.Janani	Dr.M.Krishnaveni
3	Development of CMLI Website	S.Vinisha-22pca033	I MCA	Ms.C.Sandiya	Dr.P.Subashini
4	Elephant Detection in Digital Image using Raspberry-Pi	A.Hemapriya-22pca010 K.Gowrimanohari	I MCA II MSc. Zoology	Ms.V.Narmadha	Dr.M.Krishnaveni Dr.Manimegalai
5	Mobile application for family tree	M.Niranjana-22pcs006 Anu priyanka	I M.Sc CS II MSc. Zoology	Dr.R.Janani	Dr.P.Subashini Dr.Manimegalai
6	Community DAI	J.Sona Steffi-22pca025	I MCA	Dr.TT Dhivya Prabha	Dr.P.Subashini
7	Communiy Health Nursing App	P.Surya-22pca027	I MCA	Dr.TT Dhivya Prabha	Dr.P.Subashini
8	Community Health Worker	R K Keerthana-22pca014	I MCA	Dr.TT Dhivya Prabha	Dr.M.Krishnaveni

IoT Project-UG and PG

S.No.	Title	Student Name	Class	Internal Mentor	Supervisor Name
1	3D Printed Device for Fluid Viscosity Identification	R.Yokitha-20ucs052 A.Surmi-20ucs040 V.Yamini-20ucs051 D.M. Shifa Afrin-20ucs034	III B.Sc CS	Ms.S.Aiswarya	Dr.N.Valliammal
2	3D Printed Robotic Arm to Segregate Biodegradable and Non-Biodegradable Waste	J.Nandana-20ucs022 R.Poornima Srinithi-20ucs024 R.Kannika-20ucs010 S.Anupriya-20ucs002	III B.Sc CS	Ms.V.Narmadha	Dr.N.Valliammal
3	Integrated Self Diagnostic Non-Invasive Health Monitoring Device	Narmadha N-21pbc011	II M.Sc(BCBT)	Ms.V.Narmadha	Dr Vasundara
4	Sensor Based Diagnostic Device for Chronic Obstructive Pulmonary Disease (COPD)	Lohitha.S (20UBB023) Ambikavathi.S (20UBB002)	III B.Sc Biochemistry and Biotechnology	Ms.V.Narmadha	Dr.S.Gayathri Devi