

Faculty Profile

Mr. S.Stewart Kirubakaran

Assistant Professor,
Department of Computer Science and Engineering
stewart@karunya.edu



Academic Background

Degree	University	Year
Ph.D	Anna University	Pursuing
M.Tech	Kalasalingam University	2012
B.E	Anna University	2010

Courses Taught

- Python Programming
- Java Programming
- Object Oriented Analysis and Design
- Operating Systems

Research Interests

- Cloud Security
- BlockChain
- Machine Learning
- Internet of Things

Patents Published and Granted

S.No	Patent Title	Date	Details
------	--------------	------	---------

1.	On-site Automated Hazardous Medical Waste Detection by Smart Sensors and Waste Categorization Technique using a Machine Learning Algorithm	09-04-2021	Patent Application Number: 202121015632
2.	Scientific Model for Predicting Change in Rainfall using Climatic Raster Data Mining	03-03-2021	Patent Number: 2021100001 Australian Patent Granted
3.	Smart Industrial Manufacturing using Low Power Wide Connectivity based INGENU Machine to Machine Approach	12-02-2021	Patent Application Number: 202141004991
4.	An Intelligent Drone for Social Surveillance	12-02-2021	Patent Application Number: 202141005231

Most recent Publications

- Published a paper titled Internet of things-based energy-efficient optimized heuristic framework to monitor sportsperson's health at Technology and Health Care, IOS Press, 28th May 2021, PP. 1-14 [DOI: 10.3233/THC-213007]
- Published a Scopus Indexed Paper in Material Today: Proceedings titled Heart disease diagnosis systematic research using data mining and soft computing techniques available online from 13th March 2021.
- Published a Scopus Indexed Paper in Material Today: Proceedings titled An Efficient Framework for Blog Recommender System available online from 16th March 2021.
- Published a paper titled IOT Enabled Privacy Preserving in Federated Hybrid Smart Grid Cloud Environment using Spark at European Journal of Molecular and Clinical Medicine during 2020. ISSN: 2515 – 8260, Volume 07, Issue 07, PP.195-202
- Published a paper titled Efficient Vehicle Parking System using Cloud-based IoT at European Journal of Molecular and Clinical Medicine during 2020 PP.2866-2871.
- Published a Scopus Indexed Paper in Test Engineering and Management titled Security of Clinical Big Data in Medicinal Servers using Cloud Server at March-April 2020 ISSN:0193-4120 (Page No:18665-18668).
- Published a Scopus Indexed Paper in Test Engineering and Management titled Privacy of Medical Big Data in Healthcare Cloud using Fog Computing Facility with Stegno and Cryptography at Volume 82 January-February 2020 ISSN:0193-4120 (Page No:6536-6539)

Projects Guided

- UG Projects: 22
- PG Projects: 04

Memberships in Professional societies

- **MIET** [Membership Number: 1100664437]
- Lifetime Membership for **IAENG** [Membership Number: 274638]

Significant achievements:

- Completed **Business Analyst** Course at Clorida Technologies, Chennai
- Completed **Google Cloud Platforms Fundamentals: Core Infrastructure** course from Coursera
- Completed **Android Certification** course at Mazenet Solutions, Coimbatore
- Completed **Core Java** Course at CMC India Private Limited