

Faculty Profile

Mrs. T Mathu, M.Tech., (Ph.D)

Assistant Professor,

Department of Computer Science and Engineering

mathu@karunya.edu

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Academic Background

Degree	University	Year
Ph.D	Karunya Institute of Technology and Sciences	Pursuing
M.Tech	Karunya University	2011
B.E	Anna University	2006

Courses Taught

- Theory of Computation
- Principles of Compiler Design
- Computer Organization and Architecture
- Blockchain Technology
- Artificial Intelligence for Games
- Advanced Algorithms
- Advanced Database Systems
- Database Systems
- Analysis of Algorithms
- Essentials of Information Technology
- Soft Skills

Research Interests

- Text Mining
- Natural Language Processing

- Machine Learning

Most recent Publications

- Priya, S.J., Ebenezer, S., **Mathu, T.** Prediction of parkinson's disease using local ternary pattern for gait signals (2020) Proceedings of the 3rd International Conference on Smart Systems and Inventive Technology, ICSSIT 2020, art. no. 9214266, pp. 545-549
- Prasanth, S., **Mathu, T.**, Christopher Santhosh, C., Allwin Edilbert, F. Applications of greedy algorithm in human life and the natural world (2020) Journal of Green Engineering, 10 (6), pp. 2826-2838.
- Christinal, A.H., Díaz-Pernil, D., **Mathu, T.** A uniform family of tissue P systems with protein on cells solving 3-coloring in linear time (2018) Natural Computing, 17 (2), pp. 311-319. Cited 2 times.
- Chukwuocha, C., **Mathu, T.**, Raimond, K. Design of an interactive biomedical text mining framework to recognize real-time drug entities using machine learning algorithms (2018) Procedia Computer Science, 143, pp. 181-188.
- **Mathu, T.**, Christinal, H.A., Díaz-Pernil, D. A uniform family of tissue p systems with protein on cells solving 3-coloring in linear time (2015) Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 9252, pp. 239-249. Cited 2 times.

Projects Guided

- Web based Reward Points Management System
- CSIS Tool
- Text Analytics for Chemical Entity Recognition from Biomedical Text

Significant achievements:

- British English Certificate Vantage certified during March 2014
- Oracle Database 10g Administrator Certified Associate