

Faculty Profile

Rexie J A M, M.E., (Ph.D)

Assistant Professor,

Department of Computer Science and Engineering

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Academic Background

Degree	University	Year
Ph. D.	Karunya Institute of Technology and Sciences	Pursuing
M.E	Anna University Coimbatore	2008 – 2010
B.E	Manonmaniam Sundaranar University	1997 - 2001

Courses Taught

- Data Structures
- Analysis of Algorithms
- Theory of Computation
- Python Programming
- Compiler Design
- Object Oriented Programming in C++
- Programming in C

Research Interests

- Optimization of Pattern Matching Algorithms
 - Analysis of DNA sequencing
 - DNA Sequence Alignment
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Most recent Publications

- J.A.M.Rexie, Kumudha Raimond, Mythily M, Kethsy Prabavathy, “NGS Short Read Alignment Algorithms and the role of Big Data and Cloud Computing” International Journal of Innovative Technology and Exploring Engineering 8(9), pp. 967 - 971
- J.A.M.Rexie, Kumudha Raimond, “Evolution of Methods for NGS Short Read Alignment and Analysis of the NGS Sequences for Medical Applications” Lecture Notes in Computational Vision and Biomechanics 31, pp. 135-142, Jan 2019
- Mythily M, Valarmathi M L, Anand Deva Durai C, Rexie J A M, “An Automation framework design for secure software development” Journal of Software: Evolution and Process” July 2019, 31(10), e2213
- A. Devi Priya, D. Brindha, J.A.M. Rexie, K. Ranjeethapriya and J. Granty Regina Elwin “IOT Based Cardiac Rhythm Monitoring System Using Geolocation and Automation” Indian Journal of Science and Technology Feb 2020, 13(5), 597 – 6

Projects Guided

- Top K Answers for Keyword Querying using Indexes
- Forecasting Demands for Perishable Items
- Mining Frequent Itemsets using Compact Pattern Tree Structure
- A Novel Approach for Metadata Editors Development of Geographic Information Resources
- Range Query Processing in Hefty Spatial Database
- Security in Prediction of Private Information on Social Networks
- Inferring Semantic Properties of Sentences by Mining Syntactic Parse Tree
- Continuous Monitoring of Distance based Range Queries