

Faculty Profile

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Academic Background

Degree	University	Year
Ph.D	Anna University	2019
M.E	Anna University	2008
B.E	Avinashilingam Deemed University	2004

Courses Taught

- Design Patterns
- Object Oriented Programming (C, C++, Java, Python)
- Software Engineering
- Data Structures

Research Interests

- Design Patterns
- Model Transformation
- Auto code Generation

Most recent Publications

- Exploration of IOT based intelligent traffic management system, Test Engineering and Management, published online on April 2020,
- "An automation framework design for secure software development", Software: Evolution and Process, Published online on 01 August 2019. DOI: 10.1002/smr.2213 [Impact Factor : 1.305]
- "A design pattern structure specification to extract statistical report ", International Journal of Innovative Technology and Exploring Engineering, June 2019.
- "Ngs short read alignment algorithms and the role of big data and cloud computing ", International Journal of Innovative Technology and Exploring Engineering, May 2019. "Gradual shot boundary

detection using SVM optimization technique and HOG feature “, International Journal of Recent Technology and Engineering”, April 2019.

- “Model transformation using logical prediction from sequence diagram: an experimental approach”, Journal of Cluster Computing, <https://doi.org/10.1007/s10586-017-1618-5> [Impact Factor: 1.8]

Projects Guided

- Improvising the UML activity profile to obtain a business security model
- An automated approach for diagnosing inconsistencies in software design models.
- Automated correction of ‘design rule violations’ in source code using logical abduction.
- ‘Semantic Model Checking’ annotated services.
- A UML/MARTE detection of starvation and deadlocks at the design level in a concurrent system.
- Measuring code quality by using ‘temporal property miner’ and code quality metrics.

Significant achievements:

- Completed NPTEL certification on problem solving techniques.
- Awarded as an effective IQAC coordinator of the department in 2014.
- Projects guidance was given for two international interns from German and Kazakhstan.