

## DC Member Details:

Name: **Dr M. PRASANNA, M.S, PhD**

Designation: Associate Professor Senior

Department: Department of Smart Computing, School of Information Technology and Engineering

Name of the Organization / Institution: VIT[ Deemed to be University]

Place: Vellore

Pincode: 632 014

Mobile: 9994401662

E-mail:prasanna.m@vit.ac.in, drpras.psg@gmail.com

Area of Specialization: Machine Learning, Software Engineering, Software Testing, IoT, Embedded Systems, Security

Academic Experience: 20 + years

## Publication Details:

1. Pramod Mathew Jacob, Prasanna M,(2018), “Software Architecture Pattern Selection Model for Internet of Things based Systems”, IET Software, Vol.12, No.5, pp-390-396,**Thompson Reuter (0.9)**.
2. Maheshwari V, Prasanna M, “A risk -centric defensive architecture for threat modelling in e-government applications”, Electronic Government, an Int. J., 2018 Vol.14, No.1, pp.16 – 31,(**Scopus**) **Inderscience**.
3. Mani P, Prasanna M, (2017), “Validation of automated test cases with specification path”, Journal of statistics and Management Systems,Vol.20, No.4, pp535-542,(**Taylor and Francis Group**)**ESCI**
4. Mani P, Prasanna M,(2017),”Test case generation for embedded system software using UML interaction diagram”, Journal of Engineering Science and Technology, Vol.12, No.4,PP.860-874(**Scopus-ESCI**).
5. Mani P, Prasanna M,(2017),”Test case generation for Real-Time System Software using specification diagram”, Internation Journal of Intelligent Engineering and Systems , Vol. 10, NO.1, pp. 154-166(**Scopus**)
6. Prasanna M, Arunkumar T, Akshat Sharma, Nikhil Chaudhari(2017),A Real Time monitoring system for yoga practitioners, Internation Journal of Intelligent Engineering and Systems,Vol. 10, No.3, pp. 85-94.(**Scopus**)
7. Asha N, Prasanna M, (2017), Customized Services to Generate Test Suits for Testing Custom Software Application System based on knowledge reuse”, Journal of Advanced

- Research in Dynamical and Control Systems, special issue, pp. 14-20. (**Elsevier – Scopus**).
8. Prasanna M, Arunkumar T, Arunkumar S, A Mobile Application Based Smart System for Supporting Yoga Activities and Health Monitoring, Research Journal of Pharmacy and Technology, Vol10, No.11,1994-1998, 2017 (**Scopus**)
  9. Mani P, Prasanna M, (2016), A study on functional specification based test case generation for real-time systems, International Journal of Engineering and Technology, Vol.8, No.4,pp.1801-1806.(**Scopus**)
  10. Mani P, Prasanna M,(2015), A study on software based self testing for system peripherals,International Journal of Applied Engineering Research, Vol.10, No.33, pp.26968-26973.(**Scopus**)
  11. Mani T, Prasanna M,(2015), “A study on software-based self-testing(sbst) for System Peripherals”, International Journal of Applied Engineering and Research, Vol.10, No.33, 26968-26973 (**Scopus**)
  12. Tamilarasi T, Prasanna M(2015),” A systematic survey on automated test case generation from UML sequence diagram using GA and Other approaches”, AMSE Journals, France, Vol.20. No.1, pp1-20.(**EBSCO**)
  13. Priya T, Prasanna M, (2014), “A survey on Test case generation from UML State Chart Diagrams”, International Journal of Applied Engineering and Research, Vol.9, No.23, pp.22489-22499. (**Scopus**)
  14. PrasannaM,ChandranK.RandThiruvenkadamk,(2011),“Automatic test case generation for UML collaboration diagrams”,IETEjournal of research,Vol.57,No.1,pp.77-81.(**ImpactFactors- Thompson Reuter**).
  15. PrasannaM and ChandranK.R, (2009), “Automatic test case generation for UML object diagrams using genetic algorithms”, International journal of advances in soft computing and its applications,Malaysia,Vol.1,No.1,pp.19-32.(**Scopus**)