



PERSONAL PROFILE

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|---|---|
| Name | Dr.T.MEGALA |
| Designation | ASSISTANT PROFESSOR |
| Department | INFORMATION TECHNOLOGY |
| Primary discipline (Area of interest) | SOFTWARE TESTING DATA STRUCTUREAND ALGORITHM |
| Educational qualification | MCA,M.TECH,PH.D |
| Additional qualification (SET/NET/CISR/JRF) | |
| Gender | FEMALE |
| Date of birth | 10.02.1988 |
| Contact number | 9789722271 |
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| Address for communication | 11,Perumal kovil street, Pallipudupattu,mandagapattu post, villupuram |

CAREER PROFILE

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|--|------------------------|
| ACADEMIC EXPERIENCE | |
| Total years of teaching experience (Both UG & PG) | 1 year 6 months |
| Years of teaching experience (UG) (In current institution) | 6 months |
| Years of teaching experience (PG) (In current institution) | NIL |
| Years of experience in current academic rank | 1 year 6 months |
| Previous academic rank (if yes, mention the details) | 1 year 6 months |
| Research experience (Excluding PhD) | NIL |
| Area of specialization | Optimization technique |
| RESEARCH GUIDANCE | |
| Number of Ph.D. guided | NIL |
| Number of M.Phil. guided | NIL |
| Number of UG – projects (Project work must have been documented as dissertations) | 5 |
| Number of PG – projects (Project work must have been documented as dissertations) | 3 |
| RESEARCH & PUBLICATIONS | |
| Number of articles published in web of science indexed journals | 2 |
| Number of articles published in Scopus indexed journals | 1 |
| Number of books authored | |
| Number of book chapters published | 1 |
| Number of editorials published | 1 |
| Number of communications/letters published | NIL |
| Number of monographs | NIL |
| Number of course materials published | NIL |
| Number of funded research projects | NIL |
| Number of scientific innovations guided | NIL |

EXTENSION ACTIVITIES

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|---------------------------------|---------------------------------|
| Number of seminars organized | International: 1 National: 1 |
| Number of seminars attended | International: National: |
| Number of workshops organized | International: National: |
| Number of workshops attended | International: 3 National: |
| Number of conferences organized | International: National: |
| Number of conferences attended | International: 4 National: 4 |

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| Number of faculty induction/development programmes organized | International:nil National:nil |
| Number of faculty induction/development programmes attended | International:3 National: |
| Number of refresher/orientation programmes organized | International:nil National: |
| Number of refresher/orientation programmes attended | International:nil National: |
| Number of certificate/training programmes organized | International:nil National: |
| Number of certificate/training programmes attended | International:nil National: |
| Number of invited presentations/participations | NIL |
| Number of participations in national events/professional bodies | 2 |
| Number of international visits | NIL |
| Memberships in university bodies | NIL |
| Memberships in government bodies/meetings/societies | NIL |
| Memberships in non-government bodies/meetings/societies | |
| Number of awards received | International: National: |
| Number of citations received | 1 |
| Honorary memberships | |
| Honorary fellowships | NIL |
| Number of consultancy work | NIL |
| ADDITIONAL RESPONSIBILITIES (held in the current institution) | |
| Co-ordinator of any committees/cells (If yes, mention the name alone) | NAAC Criteria 4 Co-ordinator |
| Member of any committees/cells (If yes, mention the name alone) | NIL |
| Any other achievements | NIL |

DETAILS OF RESEARCH AND PUBLICATIONS:

List of Journal:

Megala.T and K.Vivekanadan, "Cost Cognizant History Based Prioritization of Test Case for Regression Testing Using Immune Algorithm", International Journal of Intelligent Engineering and Systems, Vol.11, No.1, 2018 ,pp.221-228(scopus Indexed)

[2] Megala.T and K.Vivekanadan, "Multi-Objective Test Case Prioritization Using Improved Pareto - Optimal Clonal Selection Algorithm" , 3D Research,(ESCI ,springer)

[3] Megala.T and K.Vivekanadan, " History Based Multi Objective Test Suite Prioritization in Regression Testing Using Genetic Algorithm" ,International Journal on Future Revolution in Computer Science & Communication ISSN: 2454-4248,Volume: 3 Issue: 11.pp.129-135, 2017

[4] Megala.T and K.Vivekanadan,"Hybrid test case selection and prioritization for Regression Testing", International journal of dynamic and control system".Vol.10, Issue:07, pp.1516-1523,2017

[5] Megala.T and K.Vivekanadan,"Requirement Based Multi Objective Test Suite Prioritization in Regression Testing Using Clonal selection Algorithm ", International Journal of Intelligent Engineering and Systems .

[6] Frederick Fernandez and T.Megala, "A comparative survey on Optical Burst Switched Network Simulators", International Journal of Computer Science and Information Engineering, December 2012.

[7] Frederick Fernandez and T.Megala, "Research directions in Optical Burst Switching: Challenges and Issues", International Journal of Computer Technology and Applications, 2013 Volume 4, Issue 2,March-April 2013 Edition.

[8] Frederick Fernandez and T.Megala, "Class of Service based OBS Multicast Traffic Routing Considering Node Capabilities", International Journal of Information Processing, Volume 8, Issue 1, pp.53-63, 2014, Elsevier Publisher. (Elsevier)

[9] Frederick Fernandez and T.Megala, "A novel Burst assembly architecture for QoS provisioning in Optical Burst Switched multicast communications", International Journal of Information Computer Science and engineering Technology, Volume 4, Issue 7, pp.883-889, 2013. Web of Science / SCI / SCIE Scopus UGC Others Total 2 1 1 6 10

[10] Megala.T and D.Udaya "Identifying Corona virus using Novel Clonal selection Algorithm ", International Journal of Intelligent Engineering and Systems (communicated)

[11] T.Megala and Udaya.D, "Challenges and Issues in software testing", International Journal of Computer Technology and Applications.(communicated)

LIST OF CONFERENCES

[1] T.Megala, P.Chandini, K.Vivekanandan,"Automatic Generation of Basis test Path using Clonal selection algorithm",5th IEEE International conference on Information, Communication and Embedded systems", february

2016,ISBN:978-1-5090-2552-7.

[2] T.Megala , Moganti kashiyap, K.Vivekanandan, "An adaptive levy mutation for Clonal selection algorithm", ACM international conference on Information, International conference on informatics and analytics,2016

[3] T.Megala ,Moganti kashiyap, K.Vivekanandan,"Automatic test data generation using modified genetic algorithm", Sixth International conference on contemporary engineering and technology, 2018

[4] N. Sreenath, Frederick Fernandez and T.Megala, "Parameterization of Virtual Source Multicast OBS Nodes based on QoS Constraints", IEEE proceeding of International Conference on Information, communication and Embedded systems, pp.93-97, February 2013, Chennai, Tamil Nadu, India .

[5] Frederick Fernandez and T.Megala, "A brief survey on network simulators for TCP over OBS communications", proceeding of National Conference on Internet and Web Service computing, pp.1, July 2012, Pondicherry Engineering college, Puducherry, India.

[6] Frederick Fernandez and T.Megala, "An Abstract overview on optical switches in OBS communications", proceeding of National Conference on Robust and Resilient Networks (NCORRN'13),March 2013, Pondicherry Engineering college, Puducherry, India.

[7] N. Sreenath, Frederick Fernandez and T.Megala, "Differentiated Service For Virtual Source Based Optical Burst Switched Multicast Traffic Routing", Seventh International Conference on Communication Network, Bangalore, India

[8] S. Balamurugan, E. Gurumoorthi, T. Megala and S. Ashviny, Analysis and Design of Minimum Spanning Tree by Euclidean Plane, Proceeding of National Conference Techcon'14 held at IFET college on 5th April 2014

DETAILS OF EXTENSION ACTIVITIES:

DETAILS OF ADDITIONAL RESPONSIBILITIES: Tutor of first year IT, NAAC 4 criteria head

DETAILS OF OTHER ACHIEVEMENTS:

