

## PROFILE

### DR. A.GRACE SELVARANI

Professor & Head

Computer Science & Engineering

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### Papers published in National/ International Journals

WoS - 4 publications

h-index -1

Citations - 7

Scopus - 12 publications

h-index - 2

Citations - 27

National/International Journals - 35 Publications

National/ International Conferences - 21 Publications

1. Rajkumar R.S., Selvarani A.G., Ranjithkumar S. (2020) Comprehensive Study on Diabetic Retinopathy. In: Das K., Bansal J., Deep K., Nagar A., Pathipooranam P., Naidu R. (eds) Soft Computing for Problem Solving. Advances in Intelligent Systems and Computing, vol 1057. Springer, Singapore ( **Scopus indexed** )
2. S Kavipriya S., Grace Selvarani A. (2020) A Depth Study on Suicidal Thoughts in the Online Social Networks, Emerging Trends in Computing and Expert Technology. COMET 2019. Lecture Notes on Data Engineering and Communications Technologies, Vol 35. Springer ( **Scopus indexed** )
3. Nithya Shree T, Grace Selvarani A (2019) “A Study on Virtual Reality Design Considerations and Training Skill Applications for Children with Autism Spectrum Disorder” , International Journal of Innovative Science and Research Technology ISSN No:-2456-2165, Volume 4, Issue 12, December 2019

4. C. Induja and **A.Grace Selvarani** (2018), A Survey on Vehicle Counting – Double Virtual Line, International Journal for Research in Applied Science and Engineering Technology, Vol. 6, No. 4, pp. 4471-4473, ISSN No: 2321-9653.
5. G. Aishwariya, S. Kokilapriya, S. Adhithya, and **A. Grace Selvarani** (2017), Fingerprint Recognition for Android Application Data Retrieval , International Journal of Scientific Research in Science and Technology, Vol.3, No. 2, pp. 253-256, ISSN No:2395-6011.
6. N. Subhashri, M. VasukiPreethy, Vidhusri K.V and **A.Grace Selvarani** (2017), Image Retrieval Efficiently using Search Engine – Visual Intelligence, International Journal of Scientific Research in Science and Technology, Vol.3, No. 1, pp. 150-153, ISSN No:2395-6011.
7. N.Krithika, Dr.A.Grace Selvarani (2017) Grape Leaf Disease Identification Using Leaf Skeletons And KNN Classifications, International Journal of Science and Engineering Research (IJOSER), Vol 5 Issue 5 May -2017 pp 3221 – 5687.
8. S.K. Mouleeswaran and **A. Grace Selvarani** (2016), Hoarding Mutual Data via Security – Arbitron the Cloud, Asian Journal of Research in Social Sciences and Humanities, Vol. 6, No. 6, pp. 1527-1537. ISSN No: 2249-7315. Indexed in Google Scholar,
9. S.K. Mouleeswaran, **A. Grace Selvarani** and J. Kanya Devi (2016),Facilitating Public Audits and Data Dynamicity with Security for Data Stored in Cloud Computing, Asian Journal of Information Technology, Vol. 15, No.8, pp. 1275-1280, ISSN No: 1682-391. **Impact Factor: 0.107. Indexed in Scopus, Google Scholar**
10. B. Arthi. B, **A. Grace Selvarani** and A. Sathya (2016), Effort Estimation for Biomedical Projects from Requirements Document and Cost Driver Factors using Fuzzy Logic, International Journal of Advanced Engineering Technology, Vol. 7, No. 2, pp. 371-374. E-ISSN 0976-3945. Indexed in Google Scholar, Research Gate
11. B.Arthi and **A. Grace Selvarani** (2016), Learning Conventional Fuzzy Technique for Evaluating Software Attempts, Asian Journal of Information Technology, Vol. 15, No. 17, pp. 3306-3310, ISSN No: 1682-3915. **Impact Factor: 0.107. Indexed in Scopus, Google Scholar**
12. B. Arthi. B, **A. Grace Selvarani** and A. Sathya (2016), Software Complexity Measure from Software Requirements Document and Cost Driver Factors, Middle – East Journal of Scientific Research, Vol. 6, No. 12, pp 06-12, ISSN 1990-9233. Indexed in Google Scholar.

13. G. Harini and **A.Grace Selvarani** (2016), Off street Parking Guidance System, Indian Journal of Science and Technology, Vol. 9, No. 21, pp. ISSN: 09746846. **Impact Factor: 0.273. Indexed in Scopus, Google Scholar**
14. M. Saranya and **A. Grace Selvarani** (2016), Fundus Image Screening for Diabetic Retinopathy, Indian Journal of Science and Technology, Vol. 9, No. 25, pp. ISSN: 09746846. **Impact Factor: 0.273. Indexed in Scopus, Google Scholar**
15. B. Arthi and **A. Grace Selvarani** (2015), Simplified Software Effort Estimation Using Fuzzy Set Theory, Australian Journal of Basic and Applied Sciences, Vol. 9, No. 23, pp. 347-353, ISSN:1991-8178. Indexed in Google Scholar
16. I.Immaculate and **A.Grace Selvarani** (2015), Performance Of GRNN Classifier Used In Pap Smear Test On Cervical Cell, International Journal Of Applied Engineering and Research, Vol. 10, No. 10, pp. 24313-34322, **Impact Factor:0.130. ISSN: 0973-4562. Indexed in Scopus and Google Scholar**
17. R.S. Rajkumar and **A.Grace Selvarani** (2015), Concept Term and QoS based Selection of Web Service, International Journal of Applied Engineering Research, Vol. 10 No. 55, pp. 1906-1911, **Impact Factor:0.130, ISSN: 0973-4562 (Scopus indexed)**
18. R.S.Vishnu Durai and **A.Grace Selvarani** (2015), Load Balancing Of Tasks In Cloud Computing Environments Using Modified Artificial Bee Colony (MABC) Algorithm, International Journal of Applied Engineering Research, Vol. 10, No.7, pp.18433-18443, **Impact Factor:0.130 ISSN: 0973-4562 (Scopus indexed)**
19. S. Priya and **A.Grace Selvarani** (2015), UDDI Advertisement Centric Semantic Web Service Discovery System, International Journal of Applied Engineering Research, Vol. 10, No.55, pp.2815-2819, **Impact Factor:0.130 ISSN: 0973-4562 (Scopus indexed)**
20. N.Anand Kumar and **A.Grace Selvarani** (2015), Efficient Routing in Zig-Bee Wireless Network using Shortcut Tree Routing, International Journal of Computer Applications, Vol. 117, No. 2, pp. 23-28, ISSN:0975-8887
21. K.Kanniyarasu and **A.Grace Selvarani** (2015), Secure Multi-Party Algorithm For mining Of Association Rules In Horizontally Partitioned Database, International Journal of Applied Engineering Research, Vol. 10, No.38, pp. 28646-28651, ISSN:0973-4562.
22. S.Sathish Kumar and **A.Grace Selvarani** (2015), Improving Energy Efficiency By Using Tree-Based Routing Protocol For Wireless Sensor Network, International Journal of Computer Sciences And Engineering, Vol. 3, No. 3, pp. 201-206, ISSN: 2347-2693.

23. G. Poorani, K. Dhana Shree and **A.Grace Selvarani** (2015), A Survey on Counting and Classification of Highway Vehicles, International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 5, No. 9, pp 831-826ISSN:2277-128X.

#### **Papers published in National/ International Conferences**

1. Nithya Shree, T., Grace Selvarani, A, (2020), “Virtual Reality based System for Training and Monitoring Fire Safety Awareness for Children with Autism Spectrum Disorder” ICDCS 2020 - 2020 5th International Conference on Devices, Circuits and Systems , pp. 26-29 ( Scopus and WoS indexed)
2. N. Krithika, **A.Grace Selvarani** (2018), “An individual grape leaf disease identification using leaf skeletons an KNN classifications”, Proceedings of 2017 International Conference on Innovations in Information, Embedded and Communication Systems, ICIIECS 2017, Volume 2018-January, 30 January 2018, Pages 1-5 ( Scopus and WoS indexed)
3. C. Induja and **A.Grace Selvarani** (2017), Vehicle Detection using Active Basis Model, Proc. Of National Conference in Image and Signal Processing (NCISP’17), pp. 118-121, ISBN No: 978-93-86638-45-8.
4. G. Harini and **A.Grace Selvarani** (2016), Off-Street Parking Guidance System, Proc. Of International Conference on Innovations in information Embedded and Communication Systems (ICIIECS’16), pp. 614-617, ISBN No: 978-1-4673-8207-6.
5. B. Arthi. B, **A. Grace Selvarani** and A. Sathya (2016), Software Complexity Measure from SoftwareRequirements Document and Cost Driver Factors,International Conference on Innovations in information Embedded and Communication Systems (ICIIECS’16), pp. 39-45, ISBN No:978-1-4673-8207-6
6. M. Saranya and **A. Grace Selvarani (2016)**, Fundus Image Screening for Diabetic Retinopathy, International Conference on Innovations in information Embedded and Communication Systems (ICIIECS’16), pp. 1718-1723 , ISBN No:978-1-4673-8207-6

**(Dr. A.Grace Selvarani)**