FACULTY PROFILE FOR WEBSITE

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Department		COMPUTER SCIENCE AND ENGINEERING
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Subject of Interest	:	Software Engineering, Computer Networks, Internet of Things

Publications :	:	**INTERNATIONAL JOURNAL**

1. P.Dhavakumar, N.P.Gopalan, "An efficient parameter optimization of software reliability growth model by using chaotic grey wolf optimization algorithm" International Journal of Ambient Intelligence and Humanized Computing, August 2020, Volume-8, Issue-2, pp. 3177-3178 ISSN 1868-5137 © Springer-Verlag GmbH Germany, part of Springer Nature 2020.

2. P.Dhavakumar, N.P.Gopalan, " Defect Prediction and Dimension Reduction Methods for Achieving Better Software Quality" International Journal of Recent Technology and Engineering (IJRTE), July 2019, Volume-8 Issue-2, pp. 2168 – 2179 ISSN: 2277-3878.

3. Vignesh.A, Vijay.K, Santhoshkumar.P, Balaveerakumar.R, Dhavakumar.P "IOT Based Design Of Data Acquisition Method For Future Smart Cities" International Journal of Research and Analytical Reviews (IJRAR), January 2019, Volume 6, Issue 1, pp. 1034 – 1040 E-ISSN 2348-1269, P- ISSN 2349-5138.

4. Dhavakumar P, Shankar.S, Vikram Pandi M, " Soft Computing Techniques for Enhancing Software Reliability" International Journal of Latest Trends in Engineering and Technology. Special Issue April-2018, pp. 133-140 e-ISSN:2278-621X.

5. P.Dhavakumar, N.P.Gopalan, "**Enhancing software quality using**

fuzzy logic and program slicing" International Journal of Control theory and Application. Vol 9. Issue 12, Feb 2016 with ISSN : 0974-5572.

6. N. Prakash Rajan, **P. Dhavakumar**, S. Vijayalakshmi **"Life Span Enrichment of Wireless Sensor Networks via Duty Cycle and Network Coding: A Survey"** International Journal of Engineering Research & Technology (IJERT). Vol. 3 Issue 2, February – 2014 with ISSN : 2278-0181.

7. A.Senthilnathan, P.Dhavakumar, "Optimazation of resource sharing in structured peer-to-peer networks", International Journal of Communication and Engineering. Volume 06– No.6 Issue 01 March 2012 with ISSN 0988-0382E.

INTERNATIONAL CONFERENCE

1. P. Dhavakumar, Abdulazees, Vidhya and Vijayalakshmi, (2019) Enhancing software quality using mutation analysis, International conference on Advanced Technologies in power and robotics engineering, Kumbokonam, India.

2. P. Dhavakumar, Vikram Pandi and Shankar, **" Soft computing techniques for enhancing software reliability"** proceedings of International conference on Information systems and software engineering 16 & 17th March 2108 conducted by Dept. of CSE in association with computer society of India, Meenakshi Sundararajan Engineering College, Chennai.

3. **P.Dhavakumar**, N.P.Gopalan, " **Enhancing software quality using fuzzy logic and program slicing"** proceeding of International conference on ICAIECES 2016 & ICPCIT 2016 19th – 21st May 2016 conducted by SRM University, Chennai.

4. N.Prakashrajan, **P.Dhavakumar, "Life enrichment of wireless sensor networks via duty cycle network coding"** proceedings of International

conference on SP-EMITS-14 28th March 2014 conducted by Sri Vidya College of Engineering and Technology, Virudhunagar, Tamilnadu, India.

5. A.Balajee, **P.Dhavakumar,** "**Cyber Security for Cloud Server through Countermeasure**" proceedings of international conference on Recent Computing and Communication Technologies-2014 conducted by St.Michael College of Engineering and Technology, Kalayarkoil, Taminadu, India.

6. A.Senthilnathan, **P.Dhavakumar, "Optimization of resource sharing in structured peer-to-peer networks**" , proceeding of International conference on Advanced Computing Technology (ICACT-2012) 9th to 10th March 2012 conducted by JKKN College of Engineering and Tecnology, Komarapalayam, Namakkal, Taminadu, India.

7. V.Krishnaveni, **P.Dhavakumar**, "**Multicast protocol for IPv6 with backward compatibility using bloom filter technique**", proceedings of International conference on Advance in Engineering and Technology (ICAET – 2011) May 27th to 28th 2011 conducted by E.G.S. Pillay Engineering College, Nagapattinam – 611 002, Tamilnadu, India.

NATIONAL CONFERENCE

1. P. Dhavakumar, "Error prediction techniques for improving software reliability" proceedings of national conference on Recent trends in Information Technology and Communication(NCRTIC'18), 16th March 2018. Conducted by Vellammal Engineering College, Chennai.

2. P. Dhavakumar, " Dynamic program slicing for improving software quality" proceedings of national conference on Recent trends in Information Technology and Communication (NCRTIC'18), 16th March 2018. Conducted by Vellammal Engineering College, Chennai.

3. P.Dhavakumar, " Cyber Security for Cloud Server through Countermeasure" proceedings of 3rd national conference RACCESS 2014 25th February 2014 conducted by Bharathiyar institute of

engineering for women, Deviyakurichi, Salem, Taminadu, India.

4. P.Dhavakumar " Secure authentication method for preserving selective jamming attacks" , Proceeding of first national conference on Innovations in computer information and communication NCICIC – 2013 23rd February 2013 conducted by Easa College of Engineering and Technology, Coimbatore, Tamilnadu, India.

5. P.Dhavakumar, "Programatic way of quarantin process of image processing", paper presented at the State level Intercollegiate Technical Meet, "Techno Fest – 2013" 9th February 2013. Organised by Annai group of Institutions, at Kovilecheri, Kumbokonam, Tamilnadu, India.

6. P.Dhavakumar, "Detection and counter measure of stealthy attacks in wireless Ad-Hoc network", proceedings of National conference on Computational Intelligence and Information Technology, 16th March 2012 conducted by Kings College of Engineering, Punalkulam, Tamilnadu, India.

7. V.Krishnaveni, P.Dhavakumar "Destination oriented multicast protocol for next generation internet with scalability" , proceedings of the Seventh National Conference on ACENET'11 March 5th 2011 conducted by PSNA college of engineering and technology, Dindigul-624 622, Tamilnadu, India.

Funded Projects	:	Nil
Patents	:	Nil
Awards and Achievements	:	Nil
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